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ERRATA

Trade-Marks Published—Serial No. 388,995, page 492, line 2, OFFICIAL GAZETTE of May 18, 1937, description of mark, before the word "dark" insert the article "a" and line 3, for "etters" read letters. Serial No. 388,994, page 493, description of mark, line 2, for "grey-green", read gray-green, and in the description of goods, line 1, after the word "Gauge" strike out the comma.

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aarons, A., Co. Inc., New Orleans, La. Preparation for the treatment of spasmodic colic in horses and mules. Serial No. 388,381; May 4. Class 6.

Affiliated Enterprises, Inc., Denver, Colo. Periodicals. Serial No. 390,012; May 4. Class 38.

Alcotone Laboratories, Denver, Colo. Preparation for the treatment of tobacco habit. Serial No. 386,621; May 4. Class 6.

Alka-Fedrin Laboratory, Los Angeles, Calif. Pharmaceutical preparation for the relief of nasal congestion, etc. Serial No. 388,489; May 4. Class 6.

Allied Stores Corporation, doing business as The Bon Marche, Wilmington, Del., and Seattle, Wash. Pocketbooks. Serial No. 390,033; May 4. Class 3.

Al's Work and Sport Store. (See Cohen, Al B.)

Aluminum Company of America, Pittsburgh, Pa. Aluminum sand mold and permanent mold castings, aluminum billets and ingots, etc. Serial No. 389,863; May 4. Class 14.

American Auto-Felt Corporation, Grand Rapids, Mich. Mattresses. Serial No. 383,564; May 4. Class 32.

American Cooler Co., Inc., New York, N. Y. Flexible metal hose. Serial No. 369,000; May 4. Class 35.

American Optical Company, Southbridge, Mass. Ophthalmic lenses and blanks for ophthalmic lenses. Serial No. 389,902; May 4. Class 26.

American Pullmatch Corporation, Piqua, Ohio. Matches. Serial No. 390,014; May 4. Class 9.

American Traveler, Inc., The, New York, N. Y. Periodical. Serial No. 388,174; May 4. Class 38.

Applegate Creamery. (See Smith, Bessie E.)

Augusta Canning Company. (See Baxter, H. C., & Bro.)

Baby Bathinette Corporation, Rochester, N. Y. Infants' and nursery furniture. Serial No. 388,223; May 4. Class 32.

Bacharach Industrial Instrument Company, Pittsburgh, Pa. Draft gauges. Serial No. 385,469; May 4. Class 26.

Barichem Laboratories, Los Angeles, Calif. Ethical preparation of barium sulphate and refined mineral oil. Serial No. 387,573; May 4. Class 6.

Barrett Company, The, New York, N. Y. Oil used in the processing and treatment of rubber. Serial No. 390,190; May 4. Class 6.

Baxter, H. C., & Bro., also doing business as Baxter Bros. Co., Snowflake Canning Company, Augusta Canning Company, and Maine Canned Foods, Inc., Brunswick, Maine. Canned corn, peas, carrots, etc. Serial No. 376,710; May 4. Class 46.

Belknap Hardware & Manufacturing Company, Louisville, Ky. Juvenile velocipedes, wagons, scooters, etc. Serial No. 386,630; May 4. Class 22.

Bellows & Company, Inc., New York, N. Y. Rum. Serial No. 390,352; May 4. Class 49.

Bireley's, Inc., Hollywood, Calif. Fruit juices for food purposes. Serial No. 387,977; May 4. Class 46.

Bireley's, Inc., Hollywood, Calif. Fruit juices for food purposes. Serial No. 387,979; May 4. Class 46.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. Serial Nos. 387,730–1; May 4. Class 23.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Rayon pile fabrics. Serial No. 375,749; May 4. Class 42.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. Serial No. 389,000; May 4. Class 42.

Bon Marche, The. (See Allied Stores Corporation.)

Borophenique Co. (See Seery, Spencer W.)

Bromfield, Innis, Greenwich, Conn. Publication. Serial No. 389,817; May 4. Class 38.

Brubaker, Vernon, Adel, Iowa. Toy wheels. Serial No. 389,602; May 4. Class 22.

Buffalo Fire Appliance Corporation, Buffalo, N. Y. Complete and parts of vehicular and portable hand mechanical fire extinguishers, etc. Serial No. 383,870; May 4. Class 23.

Butler Brothers, Chicago, Ill. Gloves and mittens. Serial No. 389,720; May 4. Class 39.

Butler Brothers, doing business as Randolph Laboratories, Chicago, Ill. Deodorants, insecticides, and moth repellents. Serial No. 390,193; May 4. Class 6.

Carroll, Walter T., Springfield Gardens, N. Y. Indoor game. Serial No. 389,500; May 4. Class 22.

Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. Serial No. 387,025; May 4. Class 46.

Chapman, A. D., & Co., Chicago, Ill. Toxic chemical. Serial No. 383,907; May 4. Class 6.

Chopak Textile Company, Inc., New York, N. Y. Rayon and acetate cloth. Serial No. 389,347; May 4. Class 42.

Clement, John S., Co., Inc., New York, N. Y. Upholstery and drapery fabrics. Serial No. 389,405; May 4. Class 42.

Clifton Manufacturing Co., Inc., Boston, Mass. Electric insulation tape. Serial No. 387,620; May 4. Class 21.

Cohen, Al B., doing business as Al's Work and Sport Store, Altoona, Pa. Overalls, work and dress trousers, hunting clothes, etc. Serial No. 386,760; May 4. Class 39.

Colonial Grape Products Company, San Francisco, Calif. Wines. Serial No. 388,706; May 4. Class 47.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. Serial Nos. 390,046–7; May 4. Class 23.

Crystex Laboratories, Inc., Chariton, Iowa. Shampoo. Serial No. 389,545; May 4. Class 6.

Day Laboratories. (See Openshaw, Elna D.)

Dietzgen, Eugene, Co., Chicago, Ill. Pens, compasses, T-squares, etc. Serial No. 389,978; May 4. Class 26.

Display Manufacturing Company, Denver, Colo. Electric display signs. Serial No. 375,202; May 4. Class 21.

Distillers Distributing Corporation, Minneapolis, Minn. Whiskey. Serial No. 390,727; May 4. Class 49.

Dixie Disinfecting Company, Dallas, Tex. Liquid cleaning preparation. Serial No. 389,122; May 4. Class 4.

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Golf clubs. Serial Nos. 389,548–9; May 4. Class 22.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Pigments for inks. Serial No. 390,107; May 4. Class 11.

Durametallic Corporation, Kalamazoo, Mich. Tool for removing packings from their boxes or packing glands. Serial No. 387,271; May 4. Class 23.

Dyersburg Cotton Products, Inc., Dyersburg, Tenn. Piece goods. Serial No. 389,728; May 4. Class 42.

Eagle Druggists Supply Co. Inc., New York, N. Y. Styptic powder. Serial No. 389,860; May 4. Class 6.

Early, Francis H., Hubbard Woods, Ill. Acoustic and thermal insulation material. Serial No. 390,203; May 4. Class 12.

11 Up Bottling Company. (See Schonhoff, John Z.)

Escondido Sheet Metal Works, Escondido, Calif. Oil burning domestic heating furnaces. Serial No. 389,238; May 4. Class 34.

Etablissements Antoine Chiris, Compagnie des Produits Aromatiques Chemiques et Medicinaux, Societe Anonyme, Paris, France. Veterinary medicine for treatment of diseases of the sheep family. Serial No. 388,494; May 4. Class 6.

Fabrikant, Louis, doing business as Louis Fabrikant Co., New York, N. Y. Knitted, rayon fabrics. Serial No. 389,412; May 4. Class 42.

Fashion Park Manufacturing Corporation, Rochester, N. Y. Coats, vests, pants, etc. Serial No. 390,269; May 4. Class 39.

Federal Process Company, The, Cleveland, Ohio. Sealing composition or cement. Serial No. 388,980; May 4. Class 5.

Fitger Brewing Company, Duluth, Minn. Maltless beverages. Serial No. 389,123; May 4. Class 45.

Frazier, Henry L., doing business as The Opalco Laboratory, McKeesport, Pa. Industrial cleaning compound. Serial No. 388,265; May 4. Class 4.

Fruit Products Corporation, Belleville, N. J. Preserved cherries. Serial Nos. 389,240–1; May 4. Class 46.

Gleason Works, The, Rochester, N. Y. Gear cutting tools and blades therefor. Serial No. 389,517; May 4. Class 23.

Gloria Yarn Company, Philadelphia, Pa. Yarn. Serial No. 389,460; May 4. Class 43.

Goldmark, Adolph, & Sons Corp., New York, N. Y. Canned fish. Serial No. 389,557; May 4. Class 46.

Goldsmith-Stoll & Co., Chicago, Ill. Fur skins and pelts. Serial No. 389,415; May 4. Class 1.

Golovin, Willard B., Inc., New York, N. Y. Periodical publication. Serial No. 383,307; May 4. Class 38.

Gutman, Julius, & Co., Inc., Baltimore, Md. Sheets, pillow cases, bedspreads, and blankets. Serial No. 389,558; May 4. Class 42.

Harrap Bros. (Sirdar Wools) Limited, Alverthorpe and Alverthorpe, Wakefield, England. Yarns. Serial Nos. 389,589–90; May 4. Class 43.

Hood Rubber Company, Inc., Wilmington, Del., and Watertown, Mass. Rubber boots and shoes, overshoes, and rubber-soled canvas shoes. Serial No. 389,609; May 4. Class 39.

Houser, J. David, doing business as The Houser Associates, New York, N. Y. Publications. Serial No. 382,355; May 4. Class 38.

Hovden Food Products Corporation, Monterey, Calif. Canned sardines. Serial No. 386,427; May 4. Class 46.

Hub Quilt Mfg. Co., Boston, Mass. Bed comforters, spreads, pillows, etc. Serial No. 389,880; May 4. Class 42.

Hurley-Johnson Corporation, New York, N. Y. Sewing thread. Serial Nos. 390,070–3; May 4. Class 43.

Illinois Canning Co., The, Hoopeston, Ill. Canned vegetables. Serial No. 388,233; May 4. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

International Filmbook Corporation, New York, N. Y. Photographic cameras and parts thereof, still and motion picture projectors, etc. Serial No. 385,099; May 4. Class 26.

Jefferson Standard Life Insurance Company, Greensboro, N. C. Column in a monthly publication. Serial No. 388,838; May 4. Class 38.

Jenco Brothers, Inc., Paterson, N. J. Rubber heels. Serial No. 387,072; May 4. Class 39.

John Wanamaker Philadelphia, Philadelphia, Pa. Glassware. Serial No. 389,001; May 4. Class 33.

Johns-Manville Corporation, New York, N. Y. Heat insulation material. Serial No. 390,216; May 4. Class 12.

Karpen, S., & Bros., Chicago, Ill. Living room chair. Serial No. 387,906; May 4. Class 32.

Kearney, James R., Corporation, St. Louis, Mo. Fuse switches. Serial No. 388,643; May 4. Class 21.

Kelsam Products, St. Clair, Mich. Compounded aqueous dispersions of rubber. Serial No. 376,216; May 4. Class 6.

King Features Syndicate, Inc., New York, N. Y. Cartoons. Serial No. 390,122; May 4. Class 38.

Kingsboro Silk Mills, Inc., Gloversville, N. Y. Knitted vests, bloomers, panties, etc. Serial No. 388,196; May 4. Class 39.

Knothe Bros. Co., Inc., New York, N. Y. Men's belts. Serial No. 388,644; May 4. Class 39.

Knox Company, The, Los Angeles, Calif. Medicated tablets. Serial No. 384,620; May 4. Class 6.

Knox Company, The, Los Angeles, Calif. Medicine for invigorating, etc., the vitality of the genital system, etc. Serial No. 384,621; May 4. Class 6.

Koch Butchers' Supply Co., The, North Kansas City, Mo. Refrigerated display cases, cooling safes, and refrigerators. Serial No. 389,202; May 4. Class 31.

Krebbiel, Junius F., Pataskala, Ohio. Pyrometric cones. Serial No. 388,780; May 4. Class 26.

Kulick, Jeannette, doing business as Mills Jewelers, Niagara Falls, N. Y. Merchandise coupons. Serial No. 390,170; May 4. Class 38.

Lacoste, Renée, Detroit, Mich. Perfumes. Serial No. 389,919; May 4. Class 6.

Lakeland Highlands Cooperative Association, Highlands City, Fla. Fresh citrus fruits. Serial No. 390,096; May 4. Class 46.

Leland, Clarence A., Denver, Colo. Toothpick-dispensers. Serial No. 388,646; May 4. Class 2.

Liberman, J., & Son, Inc., New York, N. Y. Piece goods. Serial No. 389,830; May 4. Class 42.

Lindsay, Guy W., New York, N. Y. Endives. Serial No. 383,197; May 4. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 375,891; May 4. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 388,582; May 4. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Monthly publication. Serial No. 389,925; May 4. Class 38.

Maine Canned Foods, Inc. (See Baxter, H. C., & Bro.)

Majestic Distilling Company, Incorporated, Baltimore, Md. - Whiskey and gin. Serial No. 389,882; May 4. Class 49.

Marcy, Carrie E., doing business as Marcy Ranch, Tustin, Calif. Fresh citrus fruit. Serial Nos. 390,550–4; May 4. Class 46.

Marshall, C. & E., Co., Chicago, Ill. Watch crystals. Serial No. 388,648; May 4. Class 33.

Mason Shoe Manufacturing Company, Chippewa Falls, Wis. Footwear. Serial No. 386,900; May 4. Class 39.

McCauley, J. M., & Son, Brooklyn, N. Y. Idaho potatoes. Serial No. 389,613; May 4. Class 46.

Measuring Device Corporation, New York, N. Y. Napkin containers, sugar, salt, and pepper containers, and cafeteria trays. Serial No. 387,383; May 4. Class 2.

Meat Products Company, The, Cleveland, Ohio. Dog food. Serial No. 389,743; May 4. Class 46.

Menasha Products Company, Menasha, Wis. Stickers, tabs, tags, etc. Serial No. 387,914; May 4. Class 37.

Micronizer Processing Company, Inc., Camden, N. J. Insecticides and fungicides. Serial No. 389,930; May 4. Class 6.

Midwest Metal Stamping Company, Kellog, Iowa. Miscellaneous metal stampings. Serial No. 390,125; May 4. Class 14.

Milius Shoe Company, St. Louis, Mo. Women's shoes. Serial No. 388,654; May 4. Class 39.

Mills Jewelers. (See Kulick, Jeannette.)

Millwhite Company, Incorporated, The, Houston, Tex. Silicon oxide. Serial No. 388,681; May 4. Class 1.

Milwhite Company, Incorporated, The, Houston, Tex. Natural clay of the kaolin variety. Serial No. 388,682; May 4. Class 1.

Mohican Company, The, New York, N. Y. Tomato catsup, horseradish, mayonnaise, etc. Serial No. 385,105; May 4. Class 46.

Morey Institute, Inc., New York, N. Y. Pharmaceutical and toilet preparations. Serial No. 371,774; May 4. Class 6.

Morgenstern, Felix, doing business as Morgenstern Chemical Co., New York, N. Y. Medicinal preparation for the treatment of rheumatism, etc. Serial No. 384,859; May 4. Class 6.

National Carbon Company, Inc., New York, N. Y. Receptacles. Serial No. 390,127; May 4. Class 2.

National Coast Products Corporation, Swedesboro, N. J. Canned dog and cat food. Serial No. 389,767; May 4. Class 46.

National Institute of Nutrition, Los Angeles, Calif. Nasal inhalant. Serial No. 389,143; May 4. Class 6.

National Oats Company, Cedar Rapids, Iowa, and East St. Louis, Ill. Oatmeal facial lotion. Serial No. 388,793; May 4. Class 6.

Natty Products Company, Schlater, Miss. Shoe cleaners and shoe polishes. Serial No. 389,933; May 4. Class 4.

Nickey Brothers, Inc., Memphis, Tenn. Hardwood veneer. Serial No. 387,511; May 4. Class 12.

Northern Paper Mills, Green Bay, Wis. Paper towels. Serial No. 386,572; May 4. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet paper. Serial No. 386,574; May 4. Class 37.

Oftel, Roald G., doing business as Pecto Laboratories, St. Paul, Minn. Medicinal preparation for colds. Serial No. 388,794; May 4. Class 6.

Ogilvie, Thomas F., doing business as The Political Digest, Jersey City, N. J. Periodical publication. Serial No. 389,146; May 4. Class 38.

Old Tree Chopper Remedies, Wellston, Mich. Ointments and salves. Serial No. 387,354; May 4. Class 6.

Opalco Laboratory, The. (See Frazier, Henry L.)

Openshaw, Elna D., doing business as Day Laboratories, Salt Lake City, Utah. Foot lotion, a throat gargle, a chest rubbing balm, etc. Serial No. 376,178; May 4. Class 6.

Oregon-Washington Pear Bureau, Seattle, Wash. Pear wrappers. Serial No. 383,746; May 4. Class 37.

Oringer, Sol, New York, N. Y. Fur skins and pelts. Serial No. 389,195; May 4. Class 1.

Oxygen Medicine Co., The. (See Selleck, G. Harold.)

Oxyzn Company, New York, N. Y. Piece goods. Serial Nos. 389,430–1; May 4. Class 42.

Paragon Oil Company, Inc., Brooklyn, N. Y. Liquid fuel for compression ignition motors. Serial No. 390,232; May 4. Class 15.

Paragon Oil Company, Inc., Brooklyn, N. Y. Lubricating oils, motor oils, and marine oils. Serial No. 390,237; May 4. Class 15.

Parfait Powder Puff Company, Inc., Chicago, Ill. Cellulose. Serial No. 380,018; May 4. Class 1.

Parkville Milling Co., Parkville, Mo. Animal feeds. Serial No. 389,262; May 4. Class 46.

Pecto Laboratories. (See Oftel, Roald G.)

Phillips, Ed., & Sons Company, Minneapolis, Minn. Whiskey. Serial Nos. 390,741–4; May 4. Class 49.

PlaRola Corporation, Easton, Md. Player harmonicas. Serial No. 388,205; May 4. Class 36.

Political Digest, The. (See Ogilvie, Thomas F.)

Priceless Products Company. (See Zimmer, John.)

Providence Public Market Company, Providence, Pawtucket, and Woonsocket, R. I. Fresh citrus fruits. Serial No. 388,797; May 4. Class 46.

Pure Water Service Corporation of Westchester County, Hastings on Hudson, N. Y. Natural spring mineral water. Serial No. 389,696; May 4. Class 45.

Pyramid Leather Goods Company, New York, N. Y. Children's handbags. Serial No. 390,148; May 4. Class 3.

RCA Manufacturing Company, Inc., Camden, N. J. Radio receiving sets and parts thereof. Serial No. 389,474; May 4. Class 21.

Randolph Laboratories. (See Butler Brothers.)

Raynit Mills, West New York, N. J. Knitted piece goods. Serial No. 389,526; May 4. Class 42.

Reeder and Hewitt, Lorton, Va. Cartoon strips. Serial No. 390,138; May 4. Class 38.

Resnick Bros., Ladies Handbags, Inc., New York, N. Y. Ladies' hand bags. Serial No. 389,527; May 4. Class 3.

Rexair, Inc., Detroit, Mich. Receptacles for the storage and/or treatment of garments. Serial No. 388,848; May 4. Class 2.

Riedel-de Haen, Inc., New York, N. Y. Hypnotic agent for rectal administration. Serial No. 390,025; May 4. Class 6.

Riverside Manufacturing Company, St. Louis, Mo. Dry cleaning soap. Serial No. 390,087; May 4. Class 4.

Riverside Manufacturing Company, St. Louis, Mo. Dry cleaning soap. Serial No. 390,089; May 4. Class 4.

Rossville Packing Company. (See Schlecht, L. H.)

S. & S. Soap Corporation, New York, N. Y. Soap for cleaning carpets and rugs. Serial No. 388,517; May 4. Class 4.

Samstag, Louis A., New York, N. Y. Cosmetics. Serial No. 390,242; May 4. Class 6.

Sand Springs Corporation, Williamstown, Mass. Beverages and sirups and extracts for making the same. Serial No. 389,751; May 4. Class 45.

Sanders, Florence E., Pasadena, Calif. Shoe holders and shoe racks. Serial No. 388,282; May 4. Class 32.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Saqui & Co., Inc., New York, N. Y. Play suits and culottes. Serial No. 375,174; May 4. Class 39.

Saras, Louis N., Hazleton, Pa. Game. Serial No. 386,389; May 4. Class 22.

Saygreen Inc., Cleveland, Ohio. Lotion for the treatment of head colds, etc. Serial No. 389,529; May 4. Class 6.

Schlecht, L. H., doing business as Rossville Packing Company, Rossville, Ill. Canned corn. Serial No. 389,942; May 4. Class 46.

Schloss Bros. & Co., Inc., Baltimore, Md. Suits, coats vests, etc. Serial No. 382,809; May 4. Class 39.

Schonhoff, John Z., doing business as 11 Up Bottling Company, Baltimore, Md. Beverages, and syrups, extracts, and flavors used in making same. Serial No. 388,416; May 4. Class 45.

Scientific Tablet Company, Belleville, Ill. Compressed salt tablets. Serial No. 388,850; May 4. Class 46.

Scott, William H., doing business as Scott Pump Company, Rochester, N. Y. Non-electrical reflective signals. Serial No. 387,634; May 4. Class 50.

Sears, Roebuck and Co., Chicago, Ill. Textile fabrics. Serial No. 389,621; May 4. Class 42.

Seery, Spencer W., doing business as Borophenique Co., Baltimore, Md. Gargle, mouth wash, and nasal spray. Serial No. 389,800; May 4. Class 6.

Selleck, G. Harold, doing business as The Oxygen Medicine Co., Long Island City, N. Y. Medicine for diabetes. Serial No. 389,530; May 4. Class 6.

Servad Laboratories. (See Steger, Cedric.)

Silverman, I., Frocks, Inc., New York, N. Y. Dresses. Serial No. 390,093; May 4. Class 39.

Slater, C. B., Company, South Braintree, Mass. Boots and shoes. Serial No. 375,353; May 4. Class 39.

Smith, Bessie E., doing business as Applegate Creamery, Applegate, Mich. Creamery butter. Serial No. 386,604; May 4. Class 46.

Snowflake Canning Company. (See Baxter, H. C., & Bro.)

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum oils and greases. Serial No. 389,755; May 4. Class 15.

Spalding, A. G., & Bros., New York, N. Y. Golf balls. Serial Nos. 390,098–9; May 4. Class 22.

Spang, J., Baking Company, The, Cleveland, Ohio. Bread. Serial No. 386,179; May 4. Class 46.

Spang, J., Baking Company, The, Cleveland, Ohio. Bread, cakes, coffee cakes, etc. Serial No. 386,180; May 4. Class 46.

Spanier, Fred D., Brooklyn, N. Y. Butter. Serial No. 387,146; May 4. Class 46.

Steger, Cedric, doing business as Servad Laboratories, New York, N. Y. Chemical preparation for the aid of eye-brow tweezing. Serial No. 389,271; May 4. Class 6.

Steinberger, L., & Sons, Inc., Jersey City, N. J. Beverages and sirups and extracts for making the same. Serial No. 390,142; May 4. Class 45.

Sterling Products Company, Easton, Pa. Fluid dry cleaning soap. Serial No. 388,806; May 4. Class 4.

Sun Publications, Inc., Chicago, Ill. Magazines. Serial No. 388,820; May 4. Class 38.

Sun-Valley Manufacturing Co., Boston, Mass. Ski and other sport suits, canvas ski clothing, leather sport jackets, etc. Serial No. 388,152; May 4. Class 39.

Tea Garden Products Co., San Francisco, Calif. Grape juice. Serial No. 387,356; May 4. Class 45.

Tenova Ltd., London, England. Knitted stockings and socks. Serial No. 385,160; May 4. Class 39.

Thompson, J. Walter, Company, New York, N. Y. Monthly magazine. Serial No. 390,031; May 4. Class 38.

Tinnerman, George A., assignor to Albert H. Tinnerman, Cleveland, Ohio. Locking clips. Serial No. 388,963; May 4. Class 13.

Tom Tucker Beverage Company, Pittsburgh, Pa. Beverages and syrups and extracts used in making the same. Serial No. 389,277; May 4. Class 45.

Trommer, John F., Incorporated, Brooklyn, N. Y. Ale. Serial No. 389,806; May 4. Class 48.

Tulare County Fruit Exchange, Porterville, Calif. Fresh citrus fruit. Serial No. 389,959; May 4. Class 46.

United Elastic Corporation, Easthampton, Mass. Elastic webbing. Serial No. 389,946; May 4. Class 42.

United States Cabinet Bed Co., Brooklyn, N. Y. Beds. Serial No. 387,524; May 4. Class 32.

United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. Serial No. 389,947; May 4. Class 38.

United States Rubber Products, Inc., New York, N. Y. Rubber lined tanks. Serial No. 389,758; May 4. Class 2.

Universal Optical Corporation, Providence, R. I. Ophthalmic mountings. Serial No. 388,628; May 4. Class 26.

Utility Sales Corporation, Atlanta, Ga. Permanent waving lotion. Serial No. 384,634; May 4. Class 6.

Varona, Angela, Inc., New York, N. Y. Facial creams. Serial No. 379,492; May 4. Class 6.

Vimpep Foods, Inc., Cambridge, Md. Dog food and cat foods. Serial No. 388,811; May 4. Class 46.

Vimpep Foods, Inc., Cambridge, Md. Dog and cat food. Serial No. 389,579; May 4. Class 46.

Walgreen Co., Chicago, Ill. Razor blades. Serial No. 382,404; May 4. Class 23.

Walsh, Dorothy, Chicago, Ill. Toilet cream. Serial No. 381,888; May 4. Class 6.

Weisbaum Bros., Brower Company, The, Cincinnati, Ohio. Dress shirts, pajamas, lounging and bath robes, etc. Serial No. 384,175; May 4. Class 39.

Whitewater Brewing Company, Whitewater, Wis. Beer, ales, and similar products. Serial No. 384,830; May 4. Class 48.

Williamson Candy Company, Chicago, Ill. Sandwich filler. Serial No. 388,603; May 4. Class 46.

Wincharger Corporation, Sioux City, Iowa. Prime-mover-driven electric generator combinations. Serial No. 382,736; May 4. Class 21.

Woodruff, Franklin, New York, N. Y. Motto cards. Serial No. 389,811; May 4. Class 38.

Zimmer, John, doing business as Priceless Products Company, West Palm Beach, Fla. Preparation for the treatment of burns and sunburn. Serial No. 389,951; May 4. Class 6.

Zinsser & Co., Inc., Hastings-on-Hudson, N. Y. Dyestuffs. Serial No. 390,105; May 4. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Abrams & Linden, Inc., New York, N. Y. Furs in the piece. 345,806; May 4. Class 1.

American Dirigold Corporation, The, Kokomo, Ind. Base metal pots, kettles, frying pans, etc. 345,575; May 4; Serial No. 372,198; published Feb. 23, 1937. Class 13.

American Findings Manufacturing Company, Indianapolis, Ind. Metal shoe taps. 345,622; May 4; Serial No. 384,696; published Feb. 23, 1937. Class 13.

American Nickeloid Company, Peru, Ill. Sheet metal with cardboard or fiber backing. 345,798; May 4. Class 50.

American Smelting and Refining Company, New York, N. Y. Non-ferrous metals. 345,797; May 4. Class 14.

Anderson, Hunter, doing business as Tortuga Products Company, Phoenix, Ariz. Cosmetics. 345,681; May 4; Serial No. 386,093; published Feb. 9, 1937. Class 6.

Angelo Brothers Limited, Calcutta, India. Prepared shellacs and lacs. 345,567–70; May 4; Serial Nos. 368,734–7; published Feb. 23, 1937. Class 16.

April-Cuttner Corp., New York, N. Y. Raw, dressed and/or dyed and/or blended furs. 345,749; May 4; Serial No. 386,883; published Feb. 23, 1937. Class 1.

Arakelian, K., Inc., Madera, Calif. Wines. 345,795; May 4. Class 47.

Armstrong Packing Company, to Armstrong Packing Company, Dallas, Tex., assignee. Shortening. 118,485; renewed Sept. 18, 1937.

Art Poster Company, The, New York, N. Y. Printed advertising signs. 345,580; May 4; Serial No. 373,714; published Feb. 23, 1937. Class 50.

Atlanta Paper Company, Atlanta, Ga. Paper bags and receptacles. 345,742; May 4; Serial No. 386,785; published Feb. 23, 1937. Class 2.

Atlantic Blade Corporation, Brooklyn, N. Y. Razors and razor blades. 345,764; May 4; Serial No. 387,102; published Feb. 23, 1937. Class 23.

Bass, William, Dress Corporation, New York, N. Y. Dresses. 345,696; May 4; Serial No. 386,302; published Feb. 23, 1937. Class 39.

Bay View Crushing Company, Inc., Biloxi, Miss. Crushed oyster shells for poultry. 345,793; May 4. Class 1.

Binney & Smith Co., New York, N. Y. Water colors. 345,785; May 4; Serial No. 387,490; published Feb. 23, 1937. Class 16.

Bloomingdale Bros., Inc., New York, N. Y. Shaving lotion. 345,617; May 4; Serial No. 384,239; published Feb. 23, 1937. Class 4.

Bloomingdale Bros., Inc., New York, N. Y. Dolls. 345,767; May 4; Serial No. 387,169; published Feb. 23, 1937. Class 22.

Brewing Corporation of Canada Limited, Toronto, assignor, by mesne assignments, to Regal Brewing Company Limited, Hamilton, Ontario, Canada. Ales and lager beer. 345,573; May 4; Serial No. 370,754; published Feb. 23, 1937. Class 48.

Bristol Company, The, Waterbury, Conn. Electrical potentiometers. 345,757; May 4; Serial No. 387,021; published Feb. 23, 1937. Class 26.

Brooks Oil Company, The, Cleveland, Ohio. Lubricating oil. 345,703; May 4; Serial No. 386,401; published Feb. 16, 1937. Class 15.

Brooks Paper Company, St. Louis, Mo. Bags. 345,786; May 4; Serial No. 387,494; published Feb. 23, 1937. Class 2.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Electrically operated coolers. 345,698; May 4; Serial No. 386,353; published Feb. 23, 1937. Class 31.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Metal cuspidors. 345,697; May 4; Serial No. 386,338; published Feb. 23, 1937. Class 13.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Metal cuspidors. 345,699; May 4; Serial No. 386,357; published Feb. 23, 1937. Class 13.

Burton Brothers & Co. Inc., New York, N. Y. Cotton piece goods. 345,592; May 4; Serial No. 380,096; published Aug. 25, 1936. Class 42.

C. & W. Manufacturing Co., Chicago, Ill. Permanent hair waving machines. 345,755; May 4; Serial No. 386,983; published Feb. 23, 1937. Class 44.

Cabassa, José M. G., doing business as Laboratorios Granchel, Santurce, P. R. Perfumed rubbing alcohol, cologne water, and facial powder. 345,758; May 4; Serial No. 387,023; published Feb. 23, 1937. Class 6.

Cambridge-Wheatley Co., The, assignor to The Cambridge Tile Manufacturing Company, Cincinnati, Ohio. Ceramic, clay, wall tile glazed and unglazed. 345,608; May 4; Serial No. 383,293; published Feb. 23, 1937. Class 12.

Caplan, Howard H., doing business as Davis Drug Company, Baltimore, Md. General tonic. 345,691; May 4; Serial No. 386,230; published Feb. 23, 1937. Class 6.

Cassimatis, Irineos, Gary, Ind. Toilet soap. 345,735; May 4; Serial No. 386,722; published Feb. 23, 1937. Class 4.

Celluloid Corporation, Newark, N. J. Transparent or translucent non-textile cellulosic strips and ribbons. 345,593; May 4; Serial No. 380,342; published Feb. 23, 1937. Class 37.

Charles, Peter, Nail Polish Co., New York, N. Y. Finger nail preparation. 345,682; May 4; Serial No. 386,098; published Feb. 23, 1937. Class 6.

Chicago Pharmacal Co., Chicago, Ill. Preparation for internal treatment of staphyloccus infections, etc. 345,620; May 4; Serial No. 384,576; published Feb. 23, 1937. Class 6.

Chryson's, Ltd., Los Angeles, Calif. Skin creams and skin lotions, almond tissue cream, etc. 345,595; May 4; Serial No. 380,701; published Feb. 23, 1937. Class 6.

Clement, D. M., doing business as Mid-State Laboratories, Marshfield, Wis. Salve for veterinary uses. 345,730; May 4; Serial No. 386,676; published Feb. 23, 1937. Class 6.

Cleveland Converting Company, The, Cleveland, Ohio. Polishing and buffing wheels and spacers or separators therefor. 345,621; May 4; Serial No. 384,611; published Feb. 23, 1937. Class 4.

Clover Farm Stores Corporation, also doing business as Clover Farm Stores, Cleveland, Ohio. Maltless soft drinks. 345,704; May 4; Serial No. 386,406; published Feb. 23, 1937. Class 45.

Coast Knitting Mills, Inc., New York, N. Y. Knitted piece goods. 345,789; May 4. Class 42.

Compton, Charles A., Menlo Park, Calif. Oil filters. 345,594; May 4; Serial No. 380,554; published Sept. 22, 1936. Class 23.

Connell, I. J., Laramie, Wyo. Trout flies. 345,807; May 4. Class 22.

Consolidated Cement Corporation, Chicago, Ill. Portland cement. 345,632; May 4; Serial No. 385,215; published Feb. 23, 1937. Class 12.

Consolidated Cement Corporation, Chicago, Ill. Portland cement. 345,633; May 4; Serial No. 385,223; published Feb. 23, 1937. Class 12.

Corning Olive Growers Association, Corning, Calif. Canned olives. 345,638; May 4; Serial No. 385,341; published Feb. 9, 1937. Class 46.

Covered Wagon Company, Mount Clemens, Mich. Trailers. 345,664; May 4; Serial No. 385,663; published Feb. 9, 1937. Class 19.

Cresson Products Co., The. (See Given, Louise C.)

Cu-Sol Products Corporation, New York, N. Y. Colloidal copper. 345,683–4; May 4; Serial Nos. 386,100–101; published Feb. 9, 1937. Class 6.

Darling & Company, Chicago, Ill. Prepared stock and poultry foods. 118,501; renewed Sept. 18, 1937.

Daubert and Knight, Columbus, Ohio. Medicinal preparation. 345,718; May 4; Serial No. 386,581; published Feb. 23, 1937. Class 6.

Davis Drug Company. (See Caplan, Howard H.)

Decca Records, Inc. (See Samuel, Barnett, & Sons, Ltd., assignor.)

Decoll, Inc., New York, N. Y. Hat boxes. 345,662; May 4; Serial No. 385,625; published Feb. 23, 1937. Class 2.

Destileria Serralles, Inc., Ponce, P. R. Denatured alcohol. 345,623; May 4; Serial No. 384,885; published Feb. 23, 1937. Class 6.

Dewey, Emily, doing business as Emily Dewey Studios, Lake Placid, Fla., and Lake Placid Club, N. Y. Drapery and curtain covers. 345,723; May 4; Serial No. 386,633; published Feb. 23, 1937. Class 2.

Domestic Products, Inc., Minneapolis, Minn. Dry cleaning compound. 345,635; May 4; Serial No. 385,281; published Feb. 23, 1937. Class 4.

Donshick, Jules, Oakland, Calif. Metal polish in powder form. 345,756; May 4; Serial No. 386,984; published Feb. 23, 1937. Class 4.

D'Orsay Sales Corporation, New York, N. Y. Toilet preparations and cosmetics. 345,739; May 4; Serial No. 386,762; published Feb. 23, 1937. Class 6.

Drewrys Limited U. S. A., Inc., South Bend, Ind. Beer. 345,649; May 4; Serial No. 385,510; published Feb. 23, 1937. Class 48.

Duro Metal Products Company, Chicago, Ill. Power driven woodworking machinery. 345,576–7; May 4; Serial Nos. 372,403–4; published Feb. 23, 1937. Class 23.

Eastman Kodak Co., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film. 116,125–9; renewed Apr. 10, 1937.

Electro-Chemical Supply & Engineering Co., Paoli, Pa., and Wilmington, Del. Acid-proof cement. 345,660; May 4; Serial No. 385,783; published Feb. 23, 1937. Class 12.

Empire Distilling Corporation of New York, Yonkers, N. Y. Anti-freeze preparation. 345,705; May 4; Serial No. 386,420; published Feb. 23, 1937. Class 6.

Endo Products, Inc., New York, N. Y. Various pharmaceuticals and drug medication. 345,724–5; May 4; Serial Nos. 386,636–7; published Feb. 23, 1937. Class 6.

Ensign-Bickford Co., The, Simsbury, Conn. Detonating fuse. 345,773; May 4; Serial No. 387,241; published Feb. 23, 1937. Class 9.

Erbrich, J. H., Products Co., Indianapolis, Ind. Sodium hypochlorite solution. 345,585; May 4; Serial No. 377,784; published Jan. 26, 1937. Class 6.

Esterbrook Steel Pen Manufacturing Company, Camden, N. J. Writing-pens of all kinds. 118,509; renewed Sept. 18, 1937.

Ettlin, Inc., New York, N. Y. Nasal douches. 345,670; May 4; Serial No. 385,784; published Feb. 23, 1937. Class 6.

Eugene, Ltd., New York, N. Y. Permanent waving solutions. 345,734; May 4; Serial No. 386,705; published Feb. 23, 1937. Class 6.

Evans, H. C., & Company, Chicago, Ill. Coin operated game device. 345,654; May 4; Serial No. 385,550; published Feb. 23, 1937. Class 22.

Exhibit Supply Company, Chicago, Ill. Target apparatus. 345,650; May 4; Serial No. 385,513; published Feb. 23, 1937. Class 22.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils. 345,750; May 4; Serial No. 386,888; published Feb. 23, 1937. Class 37.

Farallone Packing Co., San Francisco, Calif. Fish meal for poultry and stock food. 345,579; May 4; Serial No. 373,564; published Feb. 23, 1937. Class 46.

Fisher Flouring Mills Co., Seattle, Wash. Wheat-flour. 118,465; renewed Sept. 11, 1937.

Fisher, Glenn, Bowling Green, Ky. Permanent wave solution and hair oil. 345,646; May 4; Serial No. 385,476; published Feb. 23, 1937. Class 6.

Fitchburg Paper Company, Fitchburg, Mass. Book and printing papers. 345,774; May 4; Serial No. 387,243; published Feb. 23, 1937. Class 37.

Flashy Dress Company, Inc., New York, N. Y. Dresses. 345,700; May 4; Serial No. 386,364; published Feb. 23, 1937. Class 39.

Fleisher, Fernald & Company, Philadelphia, Pa. Publication. 345,605; May 4; Serial No. 382,868; published Jan. 12, 1937. Class 38.

Floridagold Citrus Corporation, Lake Alfred, Fla. Grapefruit and orange segments packed in cans. 345,625; May 4; Serial No. 384,924; published Feb. 23, 1937. Class 46.

Ford, Bertha S., doing business as Ford's Drug Stores, Cumberland, Md. Medicinal tablets. 345,743; May 4; Serial No. 386,800; published Feb. 16, 1937. Class 6.

Forster, Harry J., Chicago, Ill. Tube scrapers or cleaners. 345,765; May 4; Serial No. 387,118; published Feb. 23, 1937. Class 23.

Forty Second Street Sales Co., Chicago, Ill. Bleach creams, tissue creams, perfumes, etc. 345,685; May 4; Serial No. 386,103; published Feb. 23, 1937. Class 6.

Fox, Harold P., Camden, N. J. Ocean beach sand. 345,598; May 4; Serial No. 381,936; published Feb. 23, 1937. Class 1.

Gane's Chemical Works, Inc., New York, N. Y. Medicinal tablet. 345,736; May 4; Serial No. 386,729; published Feb. 23, 1937. Class 6.

Gates, Oster. (See Reliable Hair Store, Inc., The.)

Gatterdam, Eugene A., doing business as Pollen Laboratories, Phoenix, Ariz. Inhalant. 345,606; May 4; Serial No. 383,265; published Feb. 23, 1937. Class 6.

Genotherm Corporation, The. (See Thermogène Co., The, assignor.)

Gerlicher, Benjamin F., doing business as The Ben Gerlicher Company, Winona, Minn. Powder to combat grub worms in corn and barley. 345,727; May 4; Serial No. 386,646; published Feb. 23, 1937. Class 6.

Gernsback, Hugo, New York, N. Y. Monthly publication. 345,629; May 4; Serial No. 385,092; published Feb. 23, 1937. Class 38.

Gialafos, Michael, doing business as Gialafos Sunray Mfg. Co., New York, N. Y. Hair waving solution (permanent), soapless shampoo. 345,627; May 4; Serial No. 384,997; published Feb. 23, 1937. Class 6.

Glesselmann, Henry M., doing business as Glesselmann Laboratories, Brooklyn, N. Y. Mentholated expectorant. 345,591; May 4; Serial No. 380,051; published Feb. 23, 1937. Class 6.

Given, Louise C., doing business as The Cresson Products Co., New Hope, Pa. Waxes for polishing automobiles. 345,602; May 4; Serial No. 382,664; published Feb. 23, 1937. Class 16.

Glover, H. Clay, Co., Inc., New York, N. Y. Ointment for sarcoptic mange, puppy capsules, etc. 345,655; May 4; Serial No. 385,581; published Feb. 9, 1937. Class 6.

Glover, H. Clay, Co., Inc., New York, N. Y. Capsules for round worms, etc., in puppies, etc. 345,713; May 4; Serial No. 386,538; published Feb. 23, 1937. Class 6.

Gordon, Eli, doing business as Milady's Modes, Los Angeles, Calif. Dresses, coats, gowns, etc. 345,701; May 4; Serial No. 386,368; published Feb. 23, 1937. Class 39.

Grana, John, Manhattan Beach, Calif. French dressing. 345,610; May 4; Serial No. 383,432; published Feb. 23, 1937. Class 46.

Green Hill Mushroom Farms. (See Grocery Products Manufacturing Corporation.)

Grenoville, Inc., New York, N. Y. Perfumes. 345,751; May 4; Serial No. 386,893; published Feb. 23, 1937. Class 6.

Grocery Products Manufacturing Corporation, New York, N. Y., doing business as Green Hill Mushroom Farms, West Chester, Pa. Canned mushrooms. 345,766; May 4; Serial No. 387,124; published Feb. 23, 1937. Class 46.

Gulf Oil Corporation, Pittsburgh, Pa. Auto cleaner and spot remover. 345,744; May 4; Serial No. 386,802; published Feb. 23, 1937. Class 4.

Hall Hardware Company, Minneapolis, Minn. Lubricating oils and greases. 345,599; May 4; Serial No. 381,939; published Feb. 23, 1937. Class 15.

Hall, Nicholas S., Philadelphia, Pa. Monthly publication. 345,671; May 4; Serial No. 385,789; published Feb. 23, 1937. Class 38.

Hanson-Van Winkle-Munning Company, Matawan, N. J. Preparation used on plating racks to protect them from the electroplating solutions. 345,583; May 4; Serial No. 376,170; published Feb. 9, 1937. Class 6.

Harlem Chemical Co. (See Hecht, Samuel, Estate of.)

Havemeyer, Frederick C., New York, N. Y. Whiskey, gin, rum, etc. 345,639; May 4; Serial No. 385,353; published Dec. 29, 1936. Class 49.

Health Bread Corporation, New York, N. Y. Bread and cake. 345,801; May 4. Class 46.

Hecht Co., The, Baltimore, Md., and Washington, D. C., also doing business as Hecht Bros., Baltimore, Md., and New York, N. Y., and The Hub, Baltimore, Md. Women's coats and suits. 345,776; May 4; Serial No. 387,324; published Feb. 23, 1937. Class 39.

Hecht, Samuel, Estate of, doing business as Harlem Chemical Co., Long Island City, N. Y. Lighting fluid. 345,759; May 4; Serial No. 387,037; published Feb. 23, 1937. Class 6.

Herbert, Harry L., doing business as Herbert Manufacturing Co., Irving, Ill. Medicinal preparation. 345,740; May 4; Serial No. 386,765; published Feb. 23, 1937. Class 6.

Highway News, The. (See Woodburn, T. R., Printing Co.)

Hilger, Adam, Limited, London, England. Spectrometers, polarimeters, and spectographs. 345,762; May 4; Serial No. 387,066; published Feb. 23, 1937. Class 26.

Höganäs-Billesholms A-B., Hoganas, Sweden. Electrically fused alumina or bauxite. 345,596; May 4; Serial No. 381,312; published Feb. 23, 1937. Class 1.

Holland Manufacturing Co., The, Baltimore, Md. Rivets. 345,802; May 4. Class 13.

Hotstream Heater Company, The, Cleveland, Ohio. Combination traps and filters. 345,588; May 4; Serial No. 379,430; published Feb. 23, 1937. Class 13.

Howell Company, Inc., The, New Orleans, La. Medicinal preparation. 345,656–7; May 4; Serial Nos. 385,583–4; published Feb. 9, 1937. Class 6.

Hub, The. (See Hecht Co., The.)

Huber, J. M., Inc., New York, N. Y. Clays. 345,775; May 4; Serial No. 387,279; published Feb. 23, 1937. Class 1.

Hugetz, Edward, New York, N. Y. Fountain and stylographic pens. 115,967; renewed Mar. 27, 1937.

Humphreys, Robert, doing business as Humphreys Specialty Co., Rochester, N. Y. Oil plastic texture wall paint. 345,777; May 4; Serial No. 387,327; published Feb. 23, 1937. Class 16.

Hunt, C. Howard, Pen Company, Camden, N. J. Pencil sharpening machines. 345,808; May 4. Class 23.

Hygienic Service, Inc., New York, N. Y. Antiseptic and germicidal liquid. 345,643; May 4; Serial No. 385,406; published Feb. 16, 1937. Class 6.

International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets made of paper. 345,728; May 4; Serial No. 386,650; published Feb. 23, 1937. Class 37.

International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets made of paper. 345,799; May 4. Class 37.

International Printing Ink Corporation, The, New York, N. Y. Printing inks. 345,791; May 4. Class 11.

Isbell, May D., Washington, D. C. Sedative. 345,565; May 4; Serial No. 359,352; published Feb. 23, 1937. Class 6.

Jefferson Food Products, Inc., Kearneysville, W. Va. Apple juice. 345,644; May 4; Serial No. 385,410; published Feb. 23, 1937. Class 46.

Johnson, Axel E., doing business as Shu-Men-Ize Waterproofing Co., Galesburg, Ill. Preservative compound or preparation. 345,618; May 4; Serial No. 384,535; published Feb. 23, 1937. Class 4.

Johnson Family, Inc., The, Cincinnati, Ohio. Game. 345,710; May 4; Serial No. 386,491; published Feb. 23, 1937. Class 22.

Julep Cigarette Company, assignor, by mesne assignments, to Julep Tobacco Company, Boston, Mass. Cigarettes. 345,563; May 4; Serial No. 341,290; published Feb. 9, 1937. Class 17.

Junkers & Co. Gesellschaft mit beschränkter Haftung, Dessau, Germany. Base metal cooking, frying, baking, and roasting pots, kettles and pans, etc. 345,805; May 4. Class 13.

Karpen, S., & Bros., Chicago, Ill. Mattresses and box springs. 345,731–2; May 4; Serial Nos. 386,681–2; published Feb. 23, 1937. Class 32.

Keyes Fibre Company, Inc., Waterville, Maine. Protective packing sheets of molded pulp. 345,561; May 4; Serial No. 338,571; published Feb. 23, 1937. Class 2.

Keystone Lubricating Company, Philadelphia, Pa. Grease cups, oil cups, lubricators, etc. 345,702; May 4; Serial No. 386,370; published Feb. 2, 1937. Class 23.

Kinsey-Johnston Company, The, Cincinnati, Ohio. Chips placed on cards to be used as color charts. 345,658; May 4; Serial No. 385,587; published Feb. 23, 1937. Class 37.

Kress, S. H., and Company, New York, N. Y. Baseball bats, golf balls, tennis balls, etc. 345,686; May 4; Serial No. 386,118; published Feb. 23, 1937. Class 22.

Kress, S. H., and Company, New York, N. Y. Borated baby talcum. 345,693; May 4; Serial No. 386,260; published Feb. 9, 1937. Class 6.

Laboratorios Granchel. (See Cabassa, José M. G.)

Lawrence, A. C., Leather Company, Peabody, Mass. Leather. 345,753; May 4; Serial No. 386,953; published Feb. 23, 1937. Class 1.

Lechler, Erwin F., New York, N. Y. Permanent wave soap, soap for treating hair, medicated soap. 345,571; May 4; Serial No. 369,134; published Feb. 23, 1937. Class 4.

Leeds & Northrup Company, Philadelphia, Pa. Electric furnaces and ovens, electric heat-treating furnaces and ovens, etc. 345,768; May 4; Serial No. 387,192; published Feb. 23, 1937. Class 21.

Lewis, Paul L., doing business as The Sunfoil Company, Philadelphia, Pa., assignor to Schieffelin & Co., New York, N. Y. Preventative of sunburn. 345,589; May 4; Serial No. 379,708; published Aug. 25, 1936. Class 6.

Libby Dress Co., New York, N. Y. Dresses. 345,781; May 4; Serial No. 387,382; published Feb. 23, 1937. Class 39.

Livesey, Henry P., doing business as Morlax, Kearny, N. J. Medicine for constipation, etc. 345,587; May 4; Serial No. 378,573; published Jan. 26, 1937. Class 6.

Lloyd Soap Co. Inc., New York, N. Y. Toilet soap. 345,788; May 4. Class 4.

Loose-Wiles Biscuit Company, Long Island City, N. Y. Crackers, biscuits, and cakes. 345,778; May 4; Serial No. 387,337; published Feb. 23, 1937. Class 46.

Loose-Wiles Biscuit Company, Long Island City, N. Y. Crackers, biscuits, and cakes. 345,779; May 4; Serial No. 387,339; published Feb. 23, 1937. Class 46.

Lubaid Company. (See Sauerborn, L. J.)

Mallard, Albert E., Detroit, Mich. Preparation for the treatment of gonorrhea, gleet, cystitis, etc. 345,790; May 4. Class 6.

Marshall Field & Company, Chicago, Ill. Piece goods. 345,726; May 4; Serial No. 386,642; published Feb. 23, 1937. Class 42.

Massey-Harris Company, The, Racine, Wis. Farm tractors and parts thereof. 345,584; May 4; Serial No. 376,255; published Sept. 1, 1936. Class 23.

May Oil Burner Corporation, Baltimore, Md. Heat absorption baffles. 345,640; May 4; Serial No. 385,363; published Feb. 23, 1937. Class 34.

McCormick, John, Los Angeles, Calif. Swim trunks. 345,636; May 4; Serial No. 385,298; published Feb. 23, 1937. Class 39.

McKesson & Robbins, Incorporated, Fairfield, Conn. Whiskey. 345,714; May 4; Serial No. 386,548; published Feb. 23, 1937. Class 49.

Meincke, A. M., & Son, Inc., Chicago, Ill. Pigment filler for paper filling. 345,582; May 4; Serial No. 375,450; published Feb. 23, 1937. Class 6.

Meisezahl, Charles, Manufacturing Company. Artificial sparkling mineral water. 345,715; May 4; Serial No. 386,550; published Feb. 23, 1937. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation for the treatment of vitamin B deficiency conditions. 345,692; May 4; Serial No. 386,233; published Feb. 23, 1937. Class 6.
Meyer, Geo. J., Manufacturing Co., Cudahy, Wis. Machines to fill bottles and cans, for machines to pasteurize foods, for machines to rinse containers, etc. 345,614; May 4; Serial No. 383,612; published Feb. 23, 1937. Class 23.
Mid-State Laboratories. (See Clement, D. M.)
Midwest Distributing Company, Kansas City, Mo. Whiskey. 345,694; May 4; Serial No. 386,265; published Feb. 23, 1937. Class 49.
Milady's Modes. (See Gordon, Ell.)
Mitten, Charles S., Richmond, Va. Liniment, preparations for the relief of colds, croup, eczema, etc. 345,600; May 4; Serial No. 382,127; published Feb. 9, 1937. Class 6.
Montague, Joseph F., New York, N. Y. Column devoted to health items. 345,616; May 4; Serial No. 384,181; published Feb. 23, 1937. Class 38.
Morlax. (See Livesey, Henry P.)
Mosby Medicine Co., Inc., Cincinnati, Ohio. Laxative tablets and indigestion tablets. 345,689; May 4; Serial No. 386,216; published Feb. 23, 1937. Class 6.
Murphy Oil Company, East Whittier, to Murphy Ranch, Whittier, Calif., successor. Lemons. 115,785; renewed Mar. 6, 1937.
Murphy Oil Company, East Whittier, to Murphy Ranch, Whittier, Calif., successor. Oranges, lemons, and grapefruit. 116,344; renewed Apr. 24, 1937.
NEA Service, Inc., Cleveland, Ohio. Column. 345,679; May 4; Serial No. 386,080; published Feb. 23, 1937. Class 38.
Nailcrete Corporation, The, New York, N. Y. Cementitious building material. 345,695; May 4; Serial No. 386,266; published Feb. 9, 1937. Class 12.
National Mortar & Supply Company of Pittsburgh, Pittsburgh, Pa. Lime. 345,630; May 4; Serial No. 385,194; published Feb. 23, 1937. Class 12.
National Remedy Company, Inc., New York, N. Y. Preparation for the relief of rheumatism. 345,729; May 4; Serial No. 386,653; published Feb. 23, 1937. Class 6.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Toilet soap. 345,651–2; May 4; Serial Nos. 385,528–9; published Feb. 23, 1937. Class 4.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Toilet soap. 345,653; May 4; Serial No. 385,531; published Feb. 23, 1937. Class 4.
National Solvents Co., Washington, D. C. Liquid polishing wax. 345,754; May 4; Serial No. 386,958; published Feb. 23, 1937. Class 16.
Neenah Paper Company, Neenah, Wis. Ledger-paper. 118,213; renewed Aug. 21, 1937.
Nestor Johnson Manufacturing Company, Chicago, Ill. Ice skates and skate outfits. 345,787; May 4; Serial No. 387,724; published Feb. 23, 1937. Class 22.
New Science Institute of Corrective Services, Inc., The, St. Joseph, Mo. Arch supports, bunion corrective appliances and trusses. 345,752; May 4; Serial No. 386,904; published Feb. 23, 1937. Class 44.
Nichols, John S., Wichita Falls, Tex. Medicine. 345,796; May 4. Class 6.
Nickerson, George W., doing business as Nickerson Manufacturing Co., Butte, Mont. Friction block. 345,645; May 4; Serial No. 385,448; published Feb. 23, 1937. Class 4.
Nobs Chemical Company, Los Angeles, Calif. Parasiticides, algaecides, industrial solvents, etc. 345,597; May 4; Serial No. 381,776; published Feb. 23, 1937. Class 6.
Northam Warren Corporation, New York, N. Y. Nail polish. 345,677; May 4; Serial No. 385,989; published Feb. 23, 1937. Class 6.
Northern Paper Mills, Green Bay, Wis. Paper towels. 345,716; May 4; Serial No. 386,570; published Feb. 23, 1937. Class 37.
Northern Paper Mills, Green Bay, Wis. Paper napkins. 345,717; May 4; Serial No. 386,571; published Feb. 23, 1937. Class 37.
Nussbaum Liquor Store, Inc., New York, N. Y. Whiskey, gin, rum, etc. 345,803; May 4. Class 49.
Numol, Limited, Newcastle-on-Tyne, England. Healing ointment for skin ailments. 345,609; May 4; Serial No. 383,368; published Feb. 23, 1937. Class 6.
Nyanza Color & Chemical Co., Inc., New York, N. Y. Chemicals and waterproofing materials. 345,673; May 4; Serial No. 385,938; published Feb. 9, 1937. Class 6.
Old South Brewing Company, Statesville, N. C. Beer and ale. 345,564; May 4; Serial No. 352,915; published Aug. 7, 1934. Class 48.
Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass. Porcelain tableware. 345,631; May 4; Serial No. 385,197; published Feb. 23, 1937. Class 30.
Otte & Co., Inc., New York, N. Y. Publications. 345,581; May 4; Serial No. 374,937; published Feb. 23, 1937. Class 38.
Oxford Mining & Milling Co., New York, N. Y. Feldspar. 345,794; May 4. Class 1.
Palatine Industrial Co., Inc., New York, N. Y. Fibre screw anchors. 345,733; May 4; Serial No. 386,690; published Feb. 23, 1937. Class 13.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. 345,782; May 4; Serial No. 387,443; published Feb. 23, 1937. Class 22.
Pascal Company, Seattle, Wash. Inhalants. 345,792; May 4. Class 6.
Penick, S. B., & Company, Inc., to S. B. Penick & Company, New York, N. Y., successor. Soap. 117,589; renewed July 17, 1937.
Penick, S. B., & Company, Inc., to S. B. Penick & Company, New York, N. Y., successor. Composition for use in the preparation of emulsions. 118,083; renewed Aug. 14, 1937.
Penn City-National Oil Co., Philadelphia, Pa. Motor lubricating oil. 345,745; May 4; Serial No. 386,815; published Feb. 23, 1937. Class 15.
Peroxide Chemical Co., The, also doing business as Vi-Jon Laboratories, St. Louis, Mo. Cold cream. 345,572; May 4; Serial No. 369,305; published Nov. 26, 1935. Class 6.
Petri Cigar Co., San Francisco, Calif. Cigars. 345,628; May 4; Serial No. 385,058; published Feb. 23, 1937. Class 17.
Plumeri, Joseph, New York, N. Y. Toilet cream. 345,690; May 4; Serial No. 386,222; published Feb. 23, 1937. Class 6.
Polk Miller Products Corp., Richmond, Va. Disinfectants. 345,687; May 4; Serial No. 386,125; published Feb. 23, 1937. Class 6.
Pollen Laboratories. (See Gatterdam, Eugene A.)
President Suspender Company, assignor to President Suspender Company, Shirley, Mass. Suspenders. 118,573; renewed Sept. 18, 1937.
Procera Bread Process, (New Zealand) Limited, Wellington, New Zealand. Bread. 345,601; May 4; Serial No. 382,443; published Feb. 23, 1937. Class 46.
Purcell & Co. Inc., Chicago, Ill. Permanent wave solution. 345,615; May 4; Serial No. 384,165; published Feb. 23, 1937. Class 6.
R. C. A. Rubber Company, The, Akron, Ohio. Rubber composition flooring materials or rubber tiling. 345,612; May 4; Serial No. 383,596; published Feb. 9, 1937. Class 12.
R. C. A. Rubber Company, The, Akron, Ohio. Rubber tiling. 345,613; May 4; Serial No. 383,598; published Feb. 9, 1937. Class 12.
Reader, Samuel, Chicago, Ill. Trade periodical publications. 345,674; May 4; Serial No. 385,941; published Feb. 23, 1937. Class 38.
Regal Brewing Company Limited. (See Brewing Corporation of Canada Limited, assignor.)
Reichert, Hugo G., Salt Lake City, Utah. Lubricating oils, gasoline, cup grease, and gear oil. 345,607; May 4; Serial No. 383,284; published Feb. 23, 1937. Class 15.
Reliable Hair Store, Inc., The, to Oster Gates, doing business as Reliable Hair Store, Norfolk, Va., successor. Hair-pomade or dressing for hair. 103,705; renewed Apr. 13, 1935. Class 6.
Reliable School Supply and Equipment Company, The, Cincinnati, Ohio. Pencil tablets, ink tablets, note books, etc. 345,737; May 4; Serial No. 386,742; published Feb. 23, 1937. Class 37.
Rock Island Brewing Company, Rock Island, Ill. Malt beverages. 345,562; May 4; Serial No. 340,059; published Sept. 12, 1933. Class 48.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin-controlled amusement apparatus. 345,574; May 4; Serial No. 371,781; published Feb. 23, 1937. Class 22.
Röhm & Haas Company, Philadelphia, Pa. Textile finishing agent and printing assistant for printing with vat colors. 345,741; May 4; Serial No. 386,779; published Feb. 23, 1937. Class 6.
Rumford Chemical Works, Rumford, R. I. Abrasive. 345,626; May 4; Serial No. 384,934; published Feb. 23, 1937. Class 4.
Rustain Products Incorporated, New York, N. Y. Cleansing powder for floors, etc. 345,800; May 4. Class 4.
Sackman Brothers Company, New York, N. Y. Children's playsuits. 345,769; May 4; Serial No. 387,211; published Feb. 23, 1937. Class 39.
Samuel, Barnett, & Sons, Ltd., London, England, assignor to Decca Records, Inc., New York, N. Y. Gramophones phonographs, and records for the same. 115,901; renewed Mar. 20, 1937.
Sarrazin, Jules J., to J. H. Sarrazin, executrix of the estate of Jules J. Sarrazin, deceased, New Orleans, La. Prophylactic bodkins. 118,333; renewed Aug. 28, 1937.
Sauerborn, L. J., doing business as Lubaid Company, Milwaukee, Wis. Oiliness concentrate. 345,659; May 4; Serial No. 385,609; published Feb. 23, 1937. Class 15.
Schieffelin & Co. (See Lewis, Paul L., assignor.)
Schieren, Chas. A., Company, New York, N. Y. Leather belting and leather machinery packing. 118,224; renewed Aug. 21, 1937.
Schindler, Charles E., Coldwater, Ohio. Mild tonic and conditioner for cattle and hogs. 345,647; May 4; Serial No. 385,495; published Feb. 16, 1937. Class 6.
Scholl Manufacturing Company, Inc., by change of name to The Scholl Mfg. Co., Inc., Chicago, Ill. Foot-soaps. 116,245; renewed Apr. 17, 1937.
Scholl Manufacturing Company, Inc., by change of name to The Scholl Mfg. Co., Inc., Chicago, Ill. Arch-supports. 116,369–70; renewed Apr. 24, 1937.
Scholl Manufacturing Company, Inc., by change of name to The Scholl Mfg. Co., Inc., Chicago, Ill. Corn-plasters. 117,206; renewed June 19, 1937.

Scholl Manufacturing Company, Inc., by change of name to The Scholl Mfg. Co., Inc., Chicago, Ill. Arch-supports. 117,930; renewed Aug. 7, 1937.
Scholl Manufacturing Company, Inc., by change of name to The Scholl Mfg. Co., Inc., Chicago, Ill. Instep-arch supports. 118,207; renewed June 19, 1937.
Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Suits and overcoats. 345,783; May 4; Serial No. 387,445; published Feb. 23, 1937. Class 39.
Shelimar Products Company, Chicago, Ill. Laminated products consisting of cellulose sheeting combined with other products. 345,706; May 4; Serial No. 386,454; published Feb. 23, 1937. Class 37.
Shoe Press Corporation, Philadelphia, Pa. Burnishing ink. 345,707; May 4; Serial No. 386,456; published Feb. 23, 1937. Class 4.
Shu-Men-Ize Waterproofing Co. (See Johnson, Axel E.)
Silverod Mfg. Co., Inc., New York, N. Y. Infants' and children's undergarments. 345,780; May 4; Serial No. 387,353; published Feb. 23, 1937. Class 39.
Singer Manufacturing Company, The, Elizabeth, N. J., and New York, N. Y. Work-tables, stands, cbutes, etc. 345,763; May 4; Serial No. 387,093; published Feb. 23, 1937. Class 23.
Sitroux Company, Inc., The, Brooklyn, N. Y. Mentholated paper handkerchiefs. 345,660; May 4; Serial No. 385,610; published Feb. 23, 1937. Class 37.
Società Anonima Snia-Viscosa, Società Nazionale Industria Applicazioni Viscosa, The, Turin, Italy. Artificial textile fibres, in staples. 345,708; May 4; Serial No. 386,458; published Feb. 23, 1937. Class 1.
Soyseln Process Corporation, New York, N. Y. Vegetable protein used for coating and sizing paper. 345,663; May 4; Serial No. 385,651; published Feb. 23, 1937. Class 6.
Sports Illustrated, Inc., New York, N. Y. Sections in a periodical magazine. 345,603; May 4; Serial No. 382,840; published Feb. 23, 1937. Class 38.
Standard Oil Development Company, Linden, N. J. Inhibitor employed in motor oils. 345,641; May 4; Serial No. 385,369; published Feb. 23, 1937. Class 6.
Sterilek Company Inc., The, Brooklyn, N. Y. Facial tissues. 345,722; May 4; Serial No. 386,623; published Feb. 23, 1937. Class 37.
Strathmore Paper Company, West Springfield, Mass. Writing and printing paper. 345,770; May 4; Serial No. 387,225; published Feb. 23, 1937. Class 37.
Strathmore Paper Company, West Springfield, Mass. Paper and cards for correspondence, announcement and greeting purposes. 345,771; May 4; Serial No. 387,226; published Feb. 23, 1937. Class 37.
Strathmore Paper Company, West Springfield, Mass. Writing and printing paper. 345,772; May 4; Serial No. 387,227; published Feb. 23, 1937. Class 37.
Street, R. R., & Co. Inc., Chicago, Ill. Size and finish for textile fabrics. 345,688; May 4; Serial No. 386,129; published Feb. 23, 1937. Class 6.
Sunfoil Company, The. (See Lewis, Paul L.)
Sure-Go Manufacturing Co., Toledo, Ohio. Preparation for the treatment of dandruff and other scalp conditions. 345,611; May 4; Serial No. 383,491; published Feb. 23, 1937. Class 6.
Swartwout Company, The, Cleveland, Ohio. Gravity roof ventilators. 345,738; May 4; Serial No. 386,749; published Feb. 23, 1937. Class 34.
Tabin-Picker & Company, Chicago, Ill. Women's dresses. 345,720; May 4; Serial No. 386,609; published Feb. 23, 1937. Class 39.
Taylor and Williams Distilleries, Inc., Louisville, Ky. Whiskey. 345,675; May 4; Serial No. 385,952; published Feb. 23, 1937. Class 49.
Tempex Manufacturing Co. Inc., New York, N. Y. Glass Surgical appliances, glass syringes, ampoules, etc. 345,676; May 4; Serial No. 385,956; published Feb. 23, 1937. Class 44.
Thermogène Co., Limited, The, Haywards Heath, England, assignor to The Genotherm Corporation, New York, N. Y. Medicated wadding. 116,379; renewed Apr. 24, 1937.
Tide Water Oil Co., assignor, by mesne assignments, to Tide Water Associated Oil Company, New York, N. Y. Refined petroleum. 115,822; renewed Mar. 6, 1937.
Tide Water Oil Co., assignor, by mesne assignments, to Tide Water Associated Oil Company, New York, N. Y. Illuminating-oils. 116,167; renewed Apr. 10, 1937.
Time, Incorporated, New York, N. Y. Magazine. 345,711; May 4; Serial No. 386,509; published Feb. 16, 1937. Class 38.
Tobacco By-Products and Chemical Corporation, Louisville, Ky. Parasiticides. 345,719; May 4; Serial No. 386,608; published Feb. 23, 1937. Class 6.
Tobacco By-Products and Chemical Corporation, Louisville, Ky. Parasiticides. 345,721; May 4; Serial No. 386,615; published Feb. 23, 1937. Class 6.
Tortuga Products Company. (See Anderson, Hunter.)
Tru-Fit Undergarment Corporation, Brooklyn, N. Y. Women's and children's undergarments. 345,747; May 4; Serial No. 386,828; published Feb. 23, 1937. Class 39.
Tru-Test Brokerage Corporation, Chicago, Ill., now by change of name Tru Test Marketing & Merchandising Corp. Glass tumblers. 345,619; May 4; Serial No. 384,572; published Jan. 5, 1937. Class 33.
Tung-Sol Lamp Works Inc., Newark, N. J. Incandescent lamp bulbs, radio tubes and valves, etc. 345,648; May 4; Serial No. 385,498; published Feb. 23, 1937. Class 21.
Turoff, Ben, Lees Summit, Mo. Ointment used in treatment of psoriasis and kindred diseases. 345,566; May 4; Serial No. 364,363; published Aug. 13, 1935. Class 6.
Utrici Medicine Company, Inc., The, New York, N. Y. Preparation usefnl as a tonic and reconstituent. 345,590; May 4; Serial No. 379,721; published Dec. 15, 1936. Class 6.
United Chromium, Incorporated, New York, N. Y., and Waterbury, Conn. Insignia badges. 345,746; May 4; Serial No. 386,824; published Feb. 23, 1937. Class 50.
United Distillers Corporation, Providence, R. I., assignor to United Liquor Corporation. Whiskies. 345,586; May 4; Serial No. 377,890; published June 23, 1936. Class 49.
United Drug Company, Boston, Mass. Solution of the blood-pressure-raising principle of the suprarenal gland. 345,667; May 4; Serial No. 385,760; published Feb. 9, 1937. Class 6.
United Feature Syndicate, Inc., New York, N. Y. Comic drawing. 345,678; May 4; Serial No. 386,063; published Feb. 23, 1937. Class 38.
U. S. Oil Company, East Providence, R. I. Lubricating oils and greases. 345,672; May 4; Serial No. 385,868; published Feb. 23, 1937. Class 15.
Vi-Jon Laboratories. (See Peroxide Chemical Co., The.)
Vimpep Foods, Inc., Cambridge, Md. Canned food. 345,784; May 4; Serial No. 387,446; published Feb. 23, 1937. Class 46.
Volerit Company, The. (See Volkmann, Elmer O.)
Volkmann, Elmer O., doing business as The Volerit Company, Milwaukee, Wis. Medicinal preparation. 345,668; May 4; Serial No. 385,763; published Feb. 9, 1937. Class 6.
Wallerstein Company, Inc., New York, N. Y. Enzymatic product. 345,665; May 4; Serial No. 385,710; published Feb. 23, 1937. Class 4.
Wamsutta Mills, New Bedford, Mass. Outer shirts, shorts, slacks, etc. 345,709; May 4; Serial No. 386,465; published Feb. 23, 1937. Class 39.
Warren-Teed Products Company, The, Columbus, Ohio. Alkaline antiseptic capsule. 345,804; May 4. Class 6.
Watchemoket Optical Company, East Providence, R. I. Optical occluders. 345,748; May 4; Serial No. 386,829; published Feb. 23, 1937. Class 44.
Watch-Motor Mainspring Co., Inc., New York, N. Y. Mainsprings for watches. 345,578; May 4; Serial No. 372,493; published Feb. 23, 1937. Class 27.
Wellington Sears Company, Boston, Mass. Waterproofed sateen, corduroy, and suiting. 345,666; May 4; Serial No. 385,712; published Feb. 23, 1937. Class 50.
Western Chemical Company of Kansas City, Missouri, Kansas City, Mo. Chemical for creating and maintaining an alkaline condition in boiler, etc., systems. 345,637; May 4; Serial No. 385,320; published Feb. 23, 1937. Class 6.
Western Elaterite Roofing Co., The, Denver, Colo. Construction materials. 118,248; renewed Aug. 21, 1937.
Wetumpka Fruit Company, Hastings, Fla. Fresh citrus fruits and fresh vegetables. 345,760; May 4; Serial No. 387,052; published Feb. 23, 1937. Class 46.
Wetumpka Fruit Company, Hastings and Lowell, Fla. Fresh citrus fruits and fresh vegetables. 345,761; May 4; Serial No. 387,053; published Feb. 23, 1937. Class 46.
Whelan Drug Stores Delaware Corporation, New York, N. Y. Astringent tonic, cold cream, muscle oil, etc. 345,604; May 4; Serial No. 382,848; published Feb. 23, 1937. Class 6.
Wid's Films and Film Folk, Inc., New York, N. Y. Periodical. 345,712; May 4; Serial No. 386,513; published Feb. 23, 1937. Class 38.
Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Fluid fuel heaters, parts thereof, air conditioning systems, etc. 345,661; May 4; Serial No. 385,617; published Feb. 23, 1937. Class 34.
Windmuller, Carolyn T., New York, N. Y., to Carolyn T. Windmuller, Dobbs Ferry, N. Y. Clothing for women. 117,072; renewed June 12, 1937.
Winthrop Chemical Company, Inc., New York, N. Y. Synthetic crystalline vitamin B1. 345,680; May 4; Serial No. 386,088; published Feb. 9, 1937. Class 6.
Wolf, Jacques, & Co., Clifton, N. J. Chemical preparation for tanning leather. 345,642; May 4; Serial No. 385,374; published Feb. 23, 1937. Class 6.
Woodburn, T. R., Printing Co., doing business as The Highway News, Terre Haute, Ind. Monthly publication. 345,624; May 4; Serial No. 384,913; published Feb. 23, 1937. Class 38.
Zion National Kosher Sausage Factory, Inc., New York, N. Y. Salami and bologna. 345,634; May 4; Serial No. 385,273; published Feb. 23, 1937. Class 46.
Zoes, Christ A., assignor to C. A. Zoes Manufacturing Co., Chicago, Ill. Liquid shoe-cleaner, liquid shoe-polish, and liquid shoe-dressing. 116,024; renewed Mar. 27, 1937.

LIST OF REGISTRANTS OF LABELS

Ada Milling Company, Ada, Okla. Ada Milling Company Flour (Brown and White Pattern on Yellow Background). For Flour. 49,241; May 4.

Ada Milling Company, Ada, Okla. Ada Milling Company Flour (White Daisies, Blue Foliage, Maroon and White Background). For Flour. 49,242; May 4.

Ada Milling Company, Ada, Okla. Ada Milling Company Flour (Large Loose Basket Weave Pattern in Red, White, and Blue, with Maroon Background). For Flour. 49,243; May 4.

American Brewery, Inc., Baltimore, Md. Old Baron. For Special Dark Beer. 49,244; May 4.

American Grease Stick Company. (See Rosen, Florence.)

Antrol Laboratories, Inc., Los Angeles, Calif. Antrol Flea Powder. For Flea Powder. 49,245; May 4.

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Beans. For Kosher Beans. 49,247; May 4.

Breidt, Peter, Brewing Company, Elizabeth, N. J. Breidt's. For Ale. 49,246; May 4.

Celcure Southern Corporation, Jacksonville, Fla. Celcure. For a Wood Preservative. 49,248; May 4.

Citrus Concentrates, Inc., Dunedin, Fla. Sunfilled. For Orange Juice. 49,249; May 4.

Claff, M. F., & Sons, Inc., Randolph and Brockton, Mass. The P & S Shoe. For Shoes. 49,250; May 4.

Clayton, A. C., Printing Company, St. Louis, Mo. Exclusive Footwear. For Footwear. 49,251; May 4.

Connoisseur Wineries, The, Seattle, Wash. Original Loganberry Nectar. For Wine. 49,252; May 4.

Dienst, Henry A., Columbus, Ohio. Dienst Peaches. For Peaches. 49,253; May 4.

Duff, P., & Sons, Inc., Pittsburgh, Pa. Duff's Spice Cake Mix. For Spice Cake Mixture. 49,254; May 4.

Fremont Canning Company, Fremont, Mich. All Time. For Canned Pork and Beans. 49,255; May 4.

General Mills, Inc., Minneapolis, Minn. Wheaties. For Whole Wheat Flakes. 49,256; May 4.

Hall, Martin L., Company, Boston, Mass. Victor Coffee. For Coffee. 49,257; May 4.

Hall, Martin L., Company, Boston, Mass. Somerset Club Coffee. For Coffee. 49,258; May 4.

Hoague-Sprague Corporation, Lynn, Mass. Eisenberg's Quality Shoes. For Boxes. 49,259; May 4.

Hoague-Sprague Corporation, Lynn, Mass. The Normandie Opera Pump. For Boxes. 49,260; May 4.

Hoague-Sprague Corporation, Lynn, Mass. Pennington Shoes Custom Made. For Boxes. 49,261; May 4.

Hong Kong Food Products Co., Chicago, Ill. Hong Kong. For Bean Sprouts. 49,262; May 4.

Hong Kong Food Products Co., Chicago, Ill. Hong Kong. For Meatless Chop Suey. 49,263; May 4.

Hong Kong Food Products Co., Chicago, Ill. Hong Kong. For Chop Suey Vegetables. 49,264; May 4.

Legion Products Co., Buffalo, N. Y. Legion Cigars. For Cigars. 49,265; May 4.

Leon-Ferenbach Silk Company, Inc., The, New York, N. Y. Leon-Ferenbach New Process Yarn. For Yarn. 49,266; May 4.

Levesque, Henry P., Buffalo, N. Y. Legion Cigarettes. For Cigarettes. 49,267; May 4.

Oftel, Roald G., doing business as Pecto Laboratories, St. Paul, Minn. Pecto. For a Medicinal Compound Used as a Treatment for Colds. 49,268; May 4.

Pecto Laboratories. (See Oftel, Roald G.)

Penick & Ford, Ltd. Inc., New York, N. Y. Brer Rabbit. For Gingerbread Flour. 49,269; May 4.

Putnam Knitting Company, Cohoes, N. Y. Wash Cloths for Baby. For Wash Cloths for Babies. 49,270; May 4.

Quality Bakers of America, Inc., New York, N. Y. Quality Bakers of America. For Bakery Products. 49,271–8; May 4.

Redlands Mutual Orange Assn., Redlands, Calif. Camellia. For Fresh Oranges. 49,279; May 4.

Redlands Mutual Orange Assn., Redlands, Calif. Orange Blossom. For Fresh Oranges. 49,280; May 4.

Rosen, Florence, doing business as American Grease Stick Company, Muskegon Heights, Mich. Door-Ease Dripless Penetrating Oil. For a Dripless Penetrating Oil for Hinges, Locks, etc. 49,281; May 4.

Salada Tea Co. (Inc.), Boston, Mass. 'Salada' Mixed Tea. For Mixed Tea. 49,282–3; May 4.

Sealed Safe Company, St. Louis, Mo. Sealed Safe Motor Oil. For Motor Oil. 49,284; May 4.

Stevens & Thompson Paper Co., New York, N. Y. Sealex. For Toilet Tissue. 49,285; May 4.

United Buyers Corporation, Chicago, Ill. Deerwood. For Tomatoes. 49,286; May 4.

Wiessner, Fritz H., Brooklyn, N. Y. Wonder Red Wax. For Wax for Use on Skis. 49,287; May 4.

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Candy for Easter. For Confectionery. 16,170; May 4.

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Easter Candy. For Confectionery. 16,171; May 4.

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Candy for Easter. For Confectionery. 16,172; May 4.

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. The House of a Million Nuts. For Candy and Nuts. 16,173; May 4.

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. The Sweetest Spot in Town. For Candy and Nuts. 16,174; May 4.

Bigelow-Sanford Carpet Co. Inc., New York, N. Y. A Tailor-Made Rug. For Rugs and Carpets. 16,175; May 4.

Cream of Wheat Corporation, The, Minneapolis, Minn. Fighting His Hardest Battle Now! For Wheat Breakfast Food. 16,176; May 4.

Coca-Cola Company, The, Atlanta, Ga. The Song Shop. For a Beverage. 16,177; May 4.

General Mills, Inc., Minneapolis, Minn. How Different New Way Makes Cakes Better 8 Ways. For Cake Flour. 16,178; May 4.

Holloway, Inc., Duluth, Minn. Holloway's RX. For a Preparation for the Feet. 16,179; May 4.

Pocahontas Fuel Company Incorporated, New York, N. Y. A Prized Package to make Warm Friends. For Packaged Coal Briquettes. 16,180; May 4.

Premier-Pabst Sales Co., Peoria Heights, Ill. So much more Enjoyment when You say Pabst, Ad. No. 3509. For Beer. 16,181; May 4.

Premier-Pabst Sales Co., Peoria Heights, Ill. So much more Refreshment when You say Pabst, Ad. No. 735. For Beer. 16,182; May 4.

Premier-Pabst Sales Co., Peoria Heights, Ill. So much more Enjoyment when You say Pabst, Ad. No. 2507. For Beer. 16,183; May 4.

Premier-Pabst Sales Co., Peoria Heights, Ill. So much more Satisfying when You say Pabst, Ad. No. 2508. For Beer. 16,184; May 4.

Premier-Pabst Sales Co., Peoria Heights, Ill. So much more Flavor when You say—Pabst, Ad. No. 3203. For Beer. 16,185; May 4.

Riflesso Manufacturing Co., The, Rochester, N. Y. Safety for Motor Cars. For Glare Preventing Devices for Headlights. 16,186; May 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Alumina or bauxite, Electrically fused. Hoganas-Billesholmes A-B. 345,596; May 4; Serial No. 381,312; published Feb. 23, 1937.

Clays. J. M. Huber, Inc. 345,775; May 4; Serial No. 387,279; published Feb. 23, 1937.

Feldspar. Oxford Mining & Milling Co. 345,794; May 4.

Furs. April-Cuttner Corp. 345,749; May 4; Serial No. 386,883; published Feb. 23, 1937.

Furs in the piece. Abrams & Linden, Inc. 345,806; May 4.

Leather. A. C. Lawrence Leather Company. 345,753; May 4; Serial No. 386,953; published Feb. 23, 1937.

Sand, Ocean beach. H. P. Fox. 345,598; May 4; Serial No. 381,936; published Feb. 23, 1937.

Shells for poultry, Crushed oyster. Bay View Crushing Company. 345,793; May 4.

Textile fibres, in staples, Artificial. Società Anonima Snia-Miscosa, Società Nazionale Industria Applicazioni Viscosa. 345,708; May 4; Serial No. 386,458; published Feb. 23, 1937.

CLASS 2

Bags. Brooks Paper Company. 345,786; May 4; Serial No. 387,494; published Feb. 23, 1937.

Bags and receptacles, Paper. Atlanta Paper Company. 345,742; May 4; Serial No. 386,785; published Feb. 23, 1937.

Boxes, Hat. Decoll, Inc. 345,662; May 4; Serial No. 385,625; published Feb. 23, 1937.

Covers, Drapery and curtain. E. Dewey. 345,723; May 4; Serial No. 386,633; published Feb. 23, 1937.

Packing sheets of molded pulp, Protective. Keyes Fibre Company. 345,561; May 4; Serial No. 338,571; published Feb. 23, 1937.

CLASS 4

Abrasive. Rumford Chemical Works. 345,626; May 4; Serial No. 384,934; published Feb. 23, 1937.

Cleaner and spot remover, Auto. Gulf Oil Corporation. 345,744; May 4; Serial No. 386,802; published Feb. 23, 1937.

Cleaning compound, Dry. Domestic Products, Inc. 345,635; May 4; Serial No. 385,281; published Feb. 23, 1937.

Cleansing powder for floors, etc. Rustain Products Incorporated. 345,800; May 4.

Enzymatic product. Wallerstein Company. 345,665; May 4; Serial No. 385,710; published Feb. 23, 1937.

Friction block. G. W. Nickerson. 345,645; May 4; Serial No. 385,448; published Feb. 23, 1937.

Ink, Burnishing. Shoe Press Corporation. 345,707; May 4; Serial No. 386,456; published Feb. 23, 1937.

Lotion, Shaving. Bloomingdale Bros., Inc. 345,617; May 4; Serial No. 384,239; published Feb. 23, 1937.

Optical occluders. Watchemoket Optical Company. 345,748; May 4; Serial No. 386,829; published Feb. 23, 1937.

Polish in powder form, Metal. J. Donshick. 345,756; May 4; Serial No. 386,984; published Feb. 23, 1937.

Polishing and buffing wheels and spacers or separators therefor. Cleveland Converting Company. 345,621; May 4; Serial No. 384,611; published Feb. 23, 1937.

Preservative compound or preparation. A. E. Johnson. 345,618; May 4; Serial No. 384,535; published Feb. 23, 1937.

Soap. S. B. Penick & Company. 117,589; renewed July 17, 1937.

Soap, soap for treating hair, medicated soap, Permanent wave. E. F. Lechler. 345,571; May 4; Serial No. 369,134; published Feb. 23, 1937.

Soap, Toilet. I. Cassimatis. 345,735; May 4; Serial No. 386,722; published Feb. 23, 1937.

Soap, Toilet. Lloyd Soap Co. Inc. 345,788; May 4.

Soap, Toilet. National Retailer-Owned Grocers, Inc. 345,651–2; May 4; Serial Nos. 385,528–9; published Feb. 23, 1937.

Soap, Toilet. National Retailer-Owned Grocers, Inc. 345,653; May 4; Serial No. 385,531; published Feb. 23, 1937.

Soaps, Foot. Scholl Manufacturing Company. 116,245; renewed Apr. 17, 1937.

CLASS 6

Alcohol, cologne water, and facial powder, Perfumed rubbing. J. M. G. Cabassa. 345,758; May 4; Serial No. 387,023; published Feb. 23, 1937.

Alcohol, Denatured. Destileria Serralles, Inc. 345,623; May 4; Serial No. 384,885; published Feb. 23, 1937.

Anti-freeze preparation. Empire Distilling Corporation of New York. 345,705; May 4; Serial No. 386,420; published Feb. 23, 1937.

Antiseptic and germicidal liquid. Hygienic Service, Inc. 345,643; May 4; Serial No. 385,406; published Feb. 16, 1937.

Antiseptic capsule, Alkaline. Warren-Teed Products Company. 345,804; May 4.

Astringent tonic, cold cream, muscle oil, etc. Whelan Drug Stores Delaware Corporation. 345,604; May 4; Serial No. 382,848; published Feb. 23, 1937.

Capsules for round worms, etc., in puppies, etc. H. Clay Glover Co. 345,713; May 4; Serial No. 386,538; published Feb. 23, 1937.

Chemical for creating and maintaining an alkaline condition in boiler, etc., systems. Western Chemical Company of Kansas City, Missouri. 345,637; May 4; Serial No. 385,320; published Feb. 23, 1937.

Chemical preparation for tanning leather. Jacques Wolf & Co. 345,642; May 4; Serial No. 385,374; published Feb. 23, 1937.

Chemicals and waterproofing materials. Nyanza Color & Chemical Co. Inc. 345,673; May 4; Serial No. 385,938; published Feb. 9, 1937.

Cleaner, liquid shoe-polish, and liquid shoe-dressing. Liquid shoe. C. A. Zoes. 116,024; renewed Mar. 27, 1937.

Composition for use in the preparation of emulsions. S. B. Penick & Company. 118,083; renewed Aug. 14, 1937.

Copper, Colloidal. Cu-Sol Products Corporation. 345,683–4; May 4; Serial Nos. 386,100–101; published Feb. 9, 1937.

Corn-plasters. Scholl Manufacturing Company. 117,206; renewed June 19, 1937.

Cosmetics. H. Anderson. 345,681; May 4; Serial No. 386,093; published Feb. 9, 1937.

Cream, Cold. Peroxide Chemical Co. 345,572; May 4; Serial No. 369,305; published Nov. 26, 1935.

Cream, Toilet. J. Plumeri. 345,690; May 4; Serial No. 386,222; published Feb. 23, 1937.

Creams and skin lotions, almond tissue cream, etc., Skin. Chryson's, Ltd. 345,595; May 4; Serial No. 380,701; published Feb. 23, 1937.

Creams, tissue creams, perfumes, etc., Bleach. Forty Second Street Sales Co. 345,685; May 4; Serial No. 386,103; published Feb. 23, 1937.

Disinfectants. Polk Miller Products Corp. 345,687; May 4; Serial No. 386,125; published Feb. 23, 1937.

Douches, Nasal. Ettlin, Inc. 345,670; May 4; Serial No. 385,784; published Feb. 23, 1937.

Expectorant, Mentholated. H. M. Giesselmann. 345,591; May 4; Serial No. 380,051; published Feb. 23, 1937.

Filler for paper filling, Pigment. A. M. Meincke & Son, Inc. 345,582; May 4; Serial No. 375,450; published Feb. 23, 1937.

Hair-pomade or dressing for hair. Reliable Hair Store, Inc. 103,705; renewed Apr. 13, 1935.

Hair waving lotion (permanent), soapless shampoo. M. Gialafos. 345,627; May 4; Serial No. 384,997; published Feb. 23, 1937.

Inhalant. E. A. Gatterdam. 345,606; May 4; Serial No. 383,265; published Feb. 23, 1937.

Inhalants. Pascal Company. 345,792; May 4.

Inhibitor employed in motor oils. Standard Oil Development Company. 345,641; May 4; Serial No. 385,369; published Feb. 23, 1937.

Laxative tablets and indigestion tablets. Mosby Medicine Co. 345,689; May 4; Serial No. 386,216; published Feb. 23, 1937.

Lighting fluid. Estate of Samuel Hecht. 345,759; May 4; Serial No. 387,037; published Feb. 23, 1937.

Liniment, preparations for the relief of colds, croup, certain types of pneumonia, etc. C. S. Mitten. 345,600; May 4; Serial No. 382,127; published Feb. 9, 1937.

Medicinal preparation. Daubert and Knight. 345,718; May 4; Serial No. 386,581; published Feb. 23, 1937.

Medicinal preparation. H. L. Herbert. 345,740; May 4; Serial No. 386,765; published Feb. 23, 1937.

Medicinal preparation. Howell Company. 345,656–7; May 4; Serial Nos. 385,583–4; published Feb. 9, 1937.

Medicinal preparation. E. O. Volkmann. 345,668; May 4; Serial No. 385,763; published Feb. 9, 1937.

Medicinal tablet. Gane's Chemical Works, Inc. 345,736; May 4; Serial No. 386,729; published Feb. 23, 1937.

Medicinal tablets. B. S. Ford. 345,743; May 4; Serial No. 386,800; published Feb. 16, 1937.

Medicine. J. S. Nichols. 345,796; May 4.

Medicine for constipation, etc. H. P. Livesey. 345,587; May 4; Serial No. 378,573; published Jan. 26, 1937.

Mineral water, Artificial sparkling. Charles Meiszahl Manufacturing Company. 345,715; May 4; Serial No. 386,550; published Feb. 23, 1937.

Nail polish. Northam Warren Corporation. 345,677; May 4; Serial No. 385,989; published Feb. 23, 1937.

Nail preparation, Finger. Peter Charles Nail Polish Co. 345,682; May 4; Serial No. 386,098; published Feb. 23, 1937.

Ointment for sarcoptic mange, puppy capsules, etc. H. Clay Glover Co. 345,655; May 4; Serial No. 385,581; published Feb. 9, 1937.

Ointment for skin ailments, Healing. Numol, Limited. 345,609; May 4; Serial No. 383,368; published Feb. 23, 1937.

Ointment used in the treatment of psoriasis and kindred diseases. B. Turoff. 345,566; May 4; Serial No. 364,363; published Aug. 13, 1935.

Parasiticides. Tobacco By-Products and Chemical Corporation. 345,719; May 4; Serial No. 386,608; published Feb. 23, 1937.

Parasiticides. Tobacco By-Products and Chemical Corporation. 345,721; May 4; Serial No. 386,615; published Feb. 23, 1937.

Parasiticides, algaecides, industrial solvents, etc. Nobs Chemical Company. 345,597; May 4; Serial No. 381,776; published Feb. 23, 1937.

Perfumes. Grenoville, Inc. 345,751; May 4; Serial No. 386,893; published Feb. 23, 1937.

Permanent wave solution. Purcell & Co. Inc. 345,615; May 4; Serial No. 384,165; published Feb. 23, 1937.

Permanent wave solution and hair oil. G. Fisher. 345,646; May 4; Serial No. 385,476; published Feb. 23, 1937.

Pharmaceuticals and drug medication, Various. Endo Products, Inc. 345,724–5; May 4; Serial Nos. 386,636–7; published Feb. 23, 1937.

Powder to combat grub worms in corn and barley. B. F. Gerlicher. 345,727; May 4; Serial No. 386,646; published Feb. 23, 1937.

Preparation for the internal treatment of staphyloccus infections, etc. Chicago Pharmacal Co. 345,620; May 4; Serial No. 384,576; published Feb. 23, 1937.

Preparation for the relief of rheumatism. National Remedy Company. 345,729; May 4; Serial No. 386,653; published Feb. 23, 1937.

Preparation for the treatment of dandruff and other scalp conditions. Sure-Go Manufacturing Co. 345,611; May 4; Serial No. 383,491; published Feb. 23, 1937.

Preparation for the treatment of gonorrhea, gleet, cystitis, etc. A. E. Mallard. 345,790; May 4.

Preparation for the treatment of Vitamin B deficiency conditions. Wm. S. Merrell Company. 345,692; May 4; Serial No. 386,233; published Feb. 23, 1937.
Preparation used on plating racks to protect them from the electroplating solutions. Hanson-Van Winkle-Munning Company. 345,583; May 4; Serial No. 376,170; published Feb. 9, 1937.
Preparation useful as a tonic and reconstituent. Ulrici Medicine Company. 345,590; May 4; Serial No. 379,721; published Dec. 15, 1936.
Preventative of sunburn. P. L. Lewis. 345,589; May 4; Serial No. 379,708; published Aug. 25, 1936.
Salve for veterinary uses. D. M. Clement. 345,730; May 4; Serial No. 386,676; published Feb. 23, 1937.
Sedative. M. D. Isbell. 345,565; May 4; Serial No. 359,352; published Feb. 23, 1937.
Size and finish for textile fabrics. R. R. Street & Co. Inc. 345,688; May 4; Serial No. 386,129; published Feb. 23, 1937.
Sodium hypochlorite solution. J. H. Erbrich Products Co. 345,585; May 4; Serial No. 377,784; published Jan. 26, 1937.
Solution of the blood-pressure-raising principle of the suprarenal gland. United Drug Company. 345,667; May 4; Serial No. 385,760; published Feb. 9, 1937.
Talcum, Borated baby. S. H. Kress and Company. 345,693; May 4; Serial No. 386,260; published Feb. 9, 1937.
Textile finishing agent and printing assistant for printing with vat colors. Röhm & Haas Company. 345,741; May 4; Serial No. 386,779; published Feb. 23, 1937.
Toilet preparations and cosmetics. D'Orsay Sales Corporation. 345,739; May 4; Serial No. 386,762; published Feb. 23, 1937.
Tonic and conditioner for cattle and hogs, Mild. C. E. Schindler. 345,647; May 4; Serial No. 385,495; published Feb. 16, 1937.
Tonic, General. H. H. Caplan. 345,691; May 4; Serial No. 386,230; published Feb. 23, 1937.
Vegetable protein used for coating and sizing. Soysein Process Corporation. 345,663; May 4; Serial No. 385,651; published Feb. 23, 1937.
Vitamin B_1, Synthetic crystalline. Winthrop Chemical Company. 345,680; May 4; Serial No. 386,088; published Feb. 9, 1937.
Waving solutions, Permanent. Eugene, Ltd. 345,734; May 4; Serial No. 386,705; published Feb. 23, 1937.

CLASS 9

Fuse, Detonating. Ensign-Bickford Co. 345,773; May 4; Serial No. 387,241; published Feb. 23, 1937.

CLASS 11

Inks, Printing. International Printing Ink Corporation. 345,791; May 4.

CLASS 12

Building material, Cementitious. Nailcrete Corporation. 345,695; May 4; Serial No. 386,266; published Feb. 9, 1937.
Cement, Acid-proof. Electro-Chemical Supply & Engineering Co. 345,669; May 4; Serial No. 385,783; published Feb. 23, 1937.
Cement, Portland. Consolidated Cement Corporation. 345,632; May 4; Serial No. 385,215; published Feb. 23, 1937.
Cement, Portland. Consolidated Cement Corporation. 345,633; May 4; Serial No. 385,223; published Feb. 23, 1937.
Construction materials. Western Elaterite Roofing Co. 118,248; renewed Aug. 21, 1937.
Flooring materials or rubber tiling, Rubber composition. R. C. A. Rubber Company. 345,612; May 4; Serial No. 383,596; published Feb. 9, 1937.
Lime. National Mortar & Supply Company of Pittsburgh. 345,630; May 4; Serial No. 385,194; published Feb. 23, 1937.
Tile glazed and unglazed, Ceramic, clay, wall. Cambridge-Wheatley Co. 345,608; May 4; Serial No. 383,293; published Feb. 23, 1937.
Tiling, Rubber. R. C. A. Rubber Company. 345,613; May 4; Serial No. 383,598; published Feb. 9, 1937.

CLASS 13

Cuspidors, Metal. Brunswick-Balke-Collender Company. 345,697; May 4; Serial No. 386,338; published Feb. 23, 1937.
Cuspidors, Metal. Brunswick-Balke-Collender Company. 345,699; May 4; Serial No. 386,357; published Feb. 23, 1937.
Pots, kettles, and pans, etc., Base metal cooking, frying, baking, and roasting. Junkers & Co. Gesellschaft mit beschränkter Haftung. 345,805; May 4.
Pots, kettles, frying pans, etc., Base metal. American Dirigold Corporation. 345,575; May 4; Serial No. 372,198; published Feb. 23, 1937.
Rivets. Holland Manufacturing Co. 345,802; May 4.
Screw anchors, Fibre. Palatine Industrial Co. 345,733; May 4; Serial No. 386,690; published Feb. 23, 1937.
Taps, Metal shoe. American Findings Manufacturing Company. 345,622; May 4; Serial No. 384,696; published Feb. 23, 1937.
Traps and filters, Combination. Hotstream Heater Company. 345,588; May 4; Serial No. 379,430; published Feb. 23, 1937.

CLASS 14

Metals, Non-ferrous. American Smelting and Refining Company. 345,797; May 4.

CLASS 15

Oil, Lubricating. Brooks Oil Company. 345,703; May 4; Serial No. 386,401; published Feb. 16, 1937.
Oil, Motor lubricating. Penn City-National Oil Co. 345,745; May 4; Serial No. 386,815; published Feb. 23, 1937.
Oiliness concentrate. L. J. Sauerborn. 345,659; May 4; Serial No. 385,609; published Feb. 23, 1937.
Oils and greases, Lubricating. Hall Hardware Company. 345,599; May 4; Serial No. 381,939; published Feb. 23, 1937.
Oils and greases, Lubricating. U. S. Oil Company. 345,672; May 4; Serial No. 385,868; published Feb. 23, 1937.
Oils, gasoline, cup grease, and gear oil, Lubricating. H. G. Reichert. 345,607; May 4; Serial No. 383,284; published Feb. 23, 1937.
Oils, Illuminating. Tide Water Oil Co. 116,167; renewed Apr. 10, 1937.
Petroleum, Refined. Tide Water Oil Co. 115,822; renewed Mar. 6, 1937.

CLASS 16

Colors, Water. Binney & Smith Co. 345,785; May 4; Serial No. 387,490; published Feb. 23, 1937.
Paint, Oil plastic texture wall. R. Humphrey. 345,777; May 4; Serial No. 387,327; published Feb. 23, 1937.
Shellacs and lacs, Prepared. Angelo Brothers Limited. 345,567–70; May 4; Serial Nos. 368,734–7; published Feb. 23, 1937.
Wax, Liquid polishing. National Solvents Co. 345,754; May 4; Serial No. 386,958; published Feb. 23, 1937.
Waxes for polishing automobiles. L. C. Given. 345,602; May 4; Serial No. 382,664; published Feb. 23, 1937.

CLASS 17

Cigarettes. Julep Cigarette Company. 345,563; May 4; Serial No. 341,290; published Feb. 9, 1937.
Cigars. Petri Cigar Co. 345,628; May 4; Serial No. 385,058; published Feb. 23, 1937.

CLASS 19

Trailers. Covered Wagon Company. 345,664; May 4; Serial No. 385,663; published Feb. 9, 1937.

CLASS 21

Bulbs, radio tubes and valves, etc., Incandescent lamp. Tung-Sol Lamp Works Inc. 345,648; May 4; Serial No. 385,498; published Feb. 23, 1937.
Furnaces and ovens, electric heat-treating furnaces and ovens, etc., Electric. Leeds & Northrup Company. 345,768; May 4; Serial No. 387,192; published Feb. 23, 1937.

CLASS 22

Amusement apparatus, Coin-controlled. Rock-Ola Manufacturing Corporation. 345,574; May 4; Serial No. 371,781; published Feb. 23, 1937.
Baseball bats, golf balls, tennis balls, etc. S. H. Kress and Company. 345,686; May 4; Serial No. 386,118; published Feb. 23, 1937.
Dolls. Bloomingdale Bros., Inc. 345,767; May 4; Serial No. 387,169; published Feb. 23, 1937.
Flies, Trout. I. J. Connell. 345,807; May 4.
Game. Johnson Family, Inc. 345,710; May 4; Serial No. 386,491; published Feb. 23, 1937.
Game, Board. Parker Brothers, Inc. 345,782; May 4; Serial No. 387,443; published Feb. 23, 1937.
Game device, Coin operated. H. C. Evans & Company. 345,654; May 4; Serial No. 385,550; published Feb. 23, 1937.
Skates and skate outfits, Ice. Nestor Johnson Manufacturing Company. 345,787; May 4; Serial No. 387,724; published Feb. 23, 1937.
Target apparatus. Exhibit Supply Company. 345,650; May 4; Serial No. 385,513; published Feb. 23, 1937.

CLASS 23

Cups, oil cups, lubricators, etc., Grease. Keystone Lubricating Company. 345,702; May 4; Serial No. 386,370; published Feb. 2, 1937.
Filters, Oil. C. A. Compton. 345,594; May 4; Serial No. 380,554; published Sept. 22, 1936.
Machines to fill bottles and cans, for machines to pasteurize foods, for machines to rinse containers, etc. Geo. G. Meyer Manufacturing Co. 345,614; May 4; Serial No. 383,612; published Feb. 23, 1937.
Razors and razor blades. Atlantic Blade Corporation. 345,764; May 4; Serial No. 387,102; published Feb. 23, 1937.
Scrapers or cleaners, Tube. H. J. Forster. 345,765; May 4; Serial No. 387,118; published Feb. 23, 1937.
Sharpening machines, Pencil. C. Howard Hunt Pen Company. 345,808; May 4.
Tractors and parts thereof, Farm. Massey-Harris Company. 345,584; May 4; Serial No. 376,255; published Sept. 1, 1936.

Woodworking machinery, Power driven. Duro Metal Products Company. 345,576–7; May 4; Serial Nos. 372,403–4; published Feb. 23, 1937.
Work-tables, stands, chutes, etc. Singer Manufacturing Company. 345,763; May 4; Serial No. 387,093; published Feb. 23, 1937.

CLASS 26

Film, Photographic. Eastman Kodak Co. 116,125–9; renewed Apr. 10, 1937.
Potentiometers, Electrical. Bristol Company. 345,757; May 4; Serial No. 387,021; published Feb. 23, 1937.
Spectrometers, polarimeters, and spectrographs. Adam Hilger Limited. 345,762; May 4; Serial No. 387,066; published Feb. 23, 1937.

CLASS 27

Mainsprings for watches. Watch-Motor Mainspring Co. 345,578; May 4; Serial No. 372,493; published Feb. 23, 1937.

CLASS 30

Tableware, Porcelain. Oneida Ltd. 345,631; May 4; Serial No. 385,197; published Feb. 23, 1937.

CLASS 31

Coolers, Electrically operated. Brunswick-Balke-Collender Company. 345,698; May 4; Serial No. 386,353; published Feb. 23, 1937.

CLASS 32

Mattresses and box springs. S. Karpen & Bros. 345,731–2; May 4; Serial Nos. 386,681–2; published Feb. 23, 1937.

CLASS 33

Tumblers, Glass. Tru-Test Brokerage Corporation. 345,619; May 4; Serial No. 384,572; published Jan. 5, 1937.

CLASS 34

Heat absorption baffles. May Oil Burner Corporation. 345,640; May 4; Serial No. 385,363; published Feb. 23, 1937.
Heaters, parts thereof, air conditioning systems, etc., Fluid fuel. Williams Oil-O-Matic Heating Corporation. 345,661; May 4; Serial No. 385,617; published Feb. 23, 1937.
Ventilators, Gravity roof. Swartwout Company. 345,738; May 4; Serial No. 386,740; published Feb. 23, 1937.

CLASS 35

Belting and leather machinery packing, Leather. Chas. A. Schieren Company. 118,224; renewed Aug. 21, 1937.

CLASS 36

Gramophones, phonographs, and records for the same. Barnett Samuel & Sons, Ltd. 115,901; renewed Mar. 20, 1937.

CLASS 37

Chips placed on cards to be used as color charts. Kinsey-Johnston Company. 345,658; May 4; Serial No. 385,587; published Feb. 23, 1937.
Laminated products consisting of cellulose sheeting combined with other products. Shellmar Products Company. 345,706; May 4; Serial No. 386,454; published Feb. 23, 1937.
Paper and cards for correspondence, announcement, and greeting purposes. Strathmore Paper Company. 345,771; May 4; Serial No. 387,226; published Feb. 23, 1937.
Paper handkerchief, Mentholated. Sitroux Company. 345,660; May 4; Serial No. 385,610; published Feb. 23, 1937.
Paper, Ledger. Neenah Paper Company. 118,213; renewed Aug. 21, 1937.
Paper napkins. Northern Paper Mills. 345,717; May 4; Serial No. 386,571; published Feb. 23, 1937.
Paper towels. Northern Paper Mills. 345,716; May 4; Serial No. 386,570; published Feb. 23, 1937.
Paper, Writing and printing. Strathmore Paper Company. 345,770; May 4; Serial No. 387,225; published Feb. 23, 1937.
Paper, Writing and printing. Strathmore Paper Company. 345,772; May 4; Serial No. 387,227; published Feb. 23, 1937.
Papers, Book and printing. Fitchburg Paper Company. 345,774; May 4; Serial No. 387,243; published Feb. 23, 1937.
Pencils, Lead. Eberhard Faber Pencil Company. 345,750; May 4; Serial No. 386,888; published Feb. 23, 1937.
Pens, Fountain and stylographic. E. Hugetz. 115,967; renewed Mar. 27, 1937.
Pens of all kinds, Writing. Esterbrook Steel Pen Manufacturing Company. 118,509; renewed Sept. 18, 1937.
Sheets made of paper, Absorbent face cleansing. International Cellucotton Products Company. 345,728; May 4; Serial No. 386,650; published Feb. 23, 1937.
Sheets made of paper, Absorbent face cleansing. International Cellucotton Products Company. 345,790; May 4.
Strips and ribbons, Transparent or translucent non-textile cellulosic. Celluloid Corporation. 345,593; May 4; Serial No. 380,342; published Feb. 23, 1937.
Tablets, ink tablets, note books, etc., Pencil. Reliable School Supply and Equipment Company. 345,737; May 4; Serial No. 386,742; published Feb. 23, 1937.
Tissues, Facial. Sterilek Company Inc. 345,722; May 4; Serial No. 386,623; published Feb. 23, 1937.

CLASS 38

Column. NEA Service, Inc. 345,679; May 4; Serial No. 386,080; published Feb. 23, 1937.
Column devoted to health items. J. F. Montague. 345,616; May 4; Serial No. 384,181; published Feb. 23, 1937.
Drawing, Comic. United Feature Syndicate, Inc. 345,678; May 4; Serial No. 386,063; published Feb. 23, 1937.
Magazine. Time, Incorporated. 345,711; May 4; Serial No. 386,509; published Feb. 16, 1937.
Periodical. Wid's Films and Film Folk, Inc. 345,712; May 4; Serial No. 386,513; published Feb. 23, 1937.
Publication. Fleisher, Fernald & Company. 345,605; May 4; Serial No. 382,868; published Jan. 12, 1937.
Publication, Monthly. H. Gernsback. 345,629; May 4; Serial No. 385,092; published Feb. 23, 1937.
Publication, Monthly. N. S. Hall. 345,671; May 4; Serial No. 385,789; published Feb. 23, 1937.
Publication, Monthly. T. R. Woodburn Printing Co. 345,624; May 4; Serial No. 384,913; published Feb. 23, 1937.
Publications. Otte & Co. 345,581; May 4; Serial No. 374,937; published Feb. 23, 1937.
Publications, Trade periodical. S. Reader. 345,674; May 4; Serial No. 385,941; published Feb. 23, 1937.
Sections in a periodical magazine. Sports Illustrated, Inc. 345,603; May 4; Serial No. 382,840; published Feb. 23, 1937.

CLASS 39

Clothing for women. C. T. Windmuller. 117,072; renewed June 12, 1937.
Coats and suits, Women's. Hecht Co. 345,776; May 4; Serial No. 387,324; published Feb. 23, 1937.
Dresses. William Bass Dress Corporation. 345,696; May 4; Serial No. 386,302; published Feb. 23, 1937.
Dresses. Flashy Dress Company. 345,700; May 4; Serial No. 386,364; published Feb. 23, 1937.
Dresses. Libby Dress Co. 345,781; May 4; Serial No. 387,382; published Feb. 23, 1937.
Dresses, coats, gowns, etc. E. Gordon. 345,701; May 4; Serial No. 386,368; published Feb. 23, 1937.
Dresses, Women's. Tabin-Picker & Company. 345,720; May 4; Serial No. 386,609; published Feb. 23, 1937.
Playsuits, Children's. Sackman Brothers Company. 345,769; May 4; Serial No. 387,211; published Feb. 23, 1937.
Shirts, shorts, slacks, etc. Wamsutta Mills. 345,709; May 4; Serial No. 386,465; published Feb. 23, 1937.
Suits and overcoats. H. A. Selnsheimer Company. 345,783; May 4; Serial No. 387,445; published Feb. 23, 1937.
Suspenders. President Suspender Company. 118,573; renewed Sept. 18, 1937.
Trunks, Swim. J. McCormick. 345,636; May 4; Serial No. 385,298; published Feb. 23, 1937.
Undergarments, Infants' and children's. Silvered Mfg. Co. 345,780; May 4; Serial No. 387,353; published Feb. 23, 1937.
Undergarments, Women's and children's. Tru-Fit Undergarment Corporation. 345,747; May 4; Serial No. 386,828; published Feb. 23, 1937.

CLASS 42

Cotton piece goods. Burton Brothers & Co. Inc. 345,592; May 4; Serial No. 380,096; published Aug. 25, 1936.
Piece goods. Marshall Field & Company. 345,726; May 4; Serial No. 386,642; published Feb. 23, 1937.
Piece goods, Knitted. Coast Knitting Mills, Inc. 345,789; May 4.

CLASS 44

Arch-supports. Scholl Manufacturing Company. 116,369–70; renewed Apr. 24, 1937.
Arch-supports. Scholl Manufacturing Company. 117,930; renewed Aug. 7, 1937.
Arch supports, bunion corrective appliances and trusses. New Science Institute of Corrective Services, Inc. 345,752; May 4; Serial No. 386,904; published Feb. 23, 1937.
Arch supports, Instep. Scholl Manufacturing Company. 117,207; renewed June 19, 1937.
Hair waving machines, Permanent. C. & W. Manufacturing Co. 345,755; May 4; Serial No. 386,983; published Feb. 23, 1937.
Medicated wadding. Thermogène Co. 116,379; renewed Apr. 24, 1937.
Prophylactic bodkins. J. J. Sarrazin. 118,333; renewed Aug. 28, 1937.
Surgical appliances, glass syringes, ampoules, etc., Glass. Tempex Manufacturing Co. Inc. 345,676; May 4; Serial No. 385,956; published Feb. 23, 1937.

CLASS 45

Drinks, Maltless soft. Clover Farm Stores Corporation. 345,704; May 4; Serial No. 386,406; published Feb. 23, 1937.

CLASS 46

Bread. Procera Bread Process (New Zealand) Limited. 345,601; May 4; Serial No. 382,443; published Feb. 23, 1937.
Bread and cake. Health Bread Corporation. 345,801; May 4.
Canned food. Vimpep Foods, Inc. 345,784; May 4; Serial No. 387,446; published Feb. 23, 1937.
Canned mushrooms. Grocery Products Manufacturing Corporation. 345,766; May 4; Serial No. 387,124; published Feb. 23, 1937.
Canned olives. Corning Olive Growers Association. 345,638; May 4; Serial No. 385,341; published Feb. 9, 1937.
Crackers, biscuits, and cakes. Loose-Wiles Biscuit Company. 345,778; May 4; Serial No. 387,337; published Feb. 23, 1937.
Crackers, biscuits, and cakes. Loose-Wiles Biscuit Company. 345,779; May 4; Serial No. 387,339; published Feb. 23, 1937.
Dressing, French. J. Grana. 345,610; May 4; Serial No. 383,432; published Feb. 23, 1937.
Flour, Wheat. Fisher Flouring Mills Co. 118,465; renewed Sept. 11, 1937.
Foods, Prepared stock and poultry. Darling & Company. 118,501; renewed Sept. 18, 1937.
Fruits and fresh vegetables, Fresh citrus. Wetumpka Fruit Company. 345,760–1; May 4; Serial Nos. 387,052–3; published Feb. 23, 1937.
Grapefruit and orange segments packed in cans. Florida-gold Citrus Corporation. 345,625; May 4; Serial No. 384,924; published Feb. 23, 1937.
Juice, Apple. Jefferson Food Products, Inc. 345,644; May 4; Serial No. 385,410; published Feb. 23, 1937.
Lemons. Murphy Oil Company. 115,785; renewed Mar. 6, 1937.
Meal for poultry and stock food, Fish. Farallone Packing Co. 345,579; May 4; Serial No. 373,564; published Feb. 23, 1937.
Oranges, lemons, and grape-fruit. Murphy Oil Company. 116,344; renewed Apr. 24, 1937.
Salami and bologna. Zion National Kosher Sausage Factory, Inc. 345,634; May 4; Serial No. 385,273; published Feb. 23, 1937.
Shortening. Armstrong Packing Company. 118,485; renewed Sept. 18, 1937.

CLASS 47

Wines. K. Arakelian, Inc. 345,795; May 4.

CLASS 48

Ales and lager. Brewing Corporation of Canada Limited. 345,573; May 4; Serial No. 370,754; published Feb. 23, 1937.
Beer. Drewrys Limited U. S. A., Inc. 345,649; May 4; Serial No. 385,510; published Feb. 23, 1937.
Beer and ale. Old South Brewing Company. 345,564; May 4; Serial No. 352,915; published Aug. 7, 1934.
Malt beverages. Rock Island Brewing Company. 345,562; May 4; Serial No. 340,059; published Sept. 12, 1933.

CLASS 49

Whiskey. McKesson & Robbins, Incorporated. 345,714; May 4; Serial No. 386,548; published Feb. 23, 1937.
Whiskey. Midwest Distributing Company. 345,694; May 4; Serial No. 386,265; published Feb. 23, 1937.
Whiskey. Taylor and Williams Distillers, Inc. 345,675; May 4; Serial No. 385,952; published Feb. 23, 1937.
Whiskey, gin, rum, etc. F. C. Havemeyer. 345,639; May 4; Serial No. 385,353; published Dec. 29, 1936.
Whiskey, gin, rum, etc. Nussbaum Liquor Store, Inc. 345,803; May 4.
Whiskies. United Distillers Corporation. 345,586; May 4; Serial No. 377,890; published June 23, 1936.

CLASS 50

Badges, Insignia. United Chromium, Incorporated. 345,746; May 4; Serial No. 386,824; published Feb. 23, 1937.
Sateen, corduroy, and suiting, Waterproof. Wellington Sears Company. 345,666; May 4; Serial No. 385,712; published Feb. 23, 1937.
Sheet metal with cardboard or fiber backing. American Nickeloid Company. 345,798; May 4.
Signs, Printed advertising. Art Poster Company. 345,580; May 4; Serial No. 373,714; published Feb. 23, 1937.

LIST OF LABELS

Ada Milling Company Flour (Brown and White Pattern on Yellow Background). For Flour. Ada Milling Company. 49,241; May 4.
Ada Milling Company Flour (Large, Loose Basket Weave Pattern in Red, White and Blue, with Maroon Background). For Flour. Ada Milling Company. 49,243; May 4.
Ada Milling Company Flour (White Daisies, Blue Foliage, Maroon and White Background). For Flour. Ada Milling Company. 49,242; May 4.
All Time. For Canned Pork and Beans. Fremont Canning Company. 49,255; May 4.
Antrol Flea Powder. For Flea Powder. Antrol Laboratories, Inc. 49,245; May 4.
Beech-Nut Beans. For Kosher Beans. Beech-Nut Packing Company. 49,247; May 4.
Breidt's. For Ale. Peter Breidt Brewing Company. 49,246; May 4.
Brer Rabbit. For Gingerbread Flour. Penick & Ford, Ltd. Inc. 49,269; May 4.
Camellia. For Fresh Oranges. Redlands Mutual Orange Assn. 39,279; May 4.
Celcure. For a Wood Preservative. Celcure Southern Corporation. 49,248; May 4.
Deerwood. For Tomatoes. United Buyers Corporation. 49,286; May 4.
Dienst Peaches. For Peaches. H. A. Dienst. 49,253; May 4.
Door-Ease Dripless Penetrating Oil. For a Dripless Penetrating Oil for Hinges, Locks, etc. F. Rosen. 49,281; May 4.
Duff's Spice Cake Mix. For Spice Cake Mixture. P. Duff & Sons, Inc. 49,254; May 4.
Eisenberg's Quality Shoes. For Boxes. Hoague-Sprague Corporation. 49,259; May 4.
Exclusive Footwear. For Footwear. A. C. Clayton Printing Company. 49,251; May 4.
Hong Kong. For Bean Sprouts. Hong Kong Food Products Co. 49,262; May 4.
Hong Kong. For Chop Suey Vegetables. Hong Kong Food Products Co. 49,264; May 4.
Hong Kong. For Meatless Chop Suey. Hong Kong Food Products Co. 49,263; May 4.
Legion Cigarettes. For Cigarettes. H. P. Levesque. 39,267; May 4.
Legion Cigars. For Cigars. Legion Products Co. 49,265; May 4.
Leon-Ferenbach New Process Yarn. For Yarn. Leon-Ferenbach Silk Company. 49,266; May 4.
Old Baron. For Special Dark Beer. American Brewery, Inc. 49,244; May 4.
Orange Blossom. For Fresh Oranges. Redlands Mutual Orange Assn. 49,280; May 4.
Original Loganberry Nectar. For Wine. Connoisseur Wineries. 49,252; May 4.
Pecto. For a Medicinal Compound used as a Treatment for Colds. R. G. Oftel. 49,268; May 4.
Pennington Shoes Custom Made. For Boxes. Hoague-Sprague Corporation. 49,261; May 4.
Quality Bakers of America. For Bakery Products. Quality Bakers of America, Inc. 49,271–8; May 4.
'Salada' Mixed Tea. For Mixed Tea. Salada Tea Co. 49,282–3; May 4.
Sealed Safe Motor Oil. For Motor Oil. Sealed Safe Company. 49,284; May 4.
Sealex. For Toilet Tissue. Stevens & Thompson Paper Co. 49,285; May 4.
Somerset Club Coffee. For Coffee. Martin L. Hall Company. 49,258; May 4.
Sunfilled. For Orange Juice. Citrus Concentrates, Inc. 49,249; May 4.
The Normandie Opera Pump. For Boxes. Hoague-Sprague Corporation. 49,260; May 4.
The P & S Shoe. For Shoes. M. B. Claff & Sons, Inc. 49,250; May 4.
Victor Coffee. For Coffee. Martin L. Hall Company. 49,257; May 4.
Wash Cloths for Baby. For Wash Cloths for Babies. Putnam Knitting Company. 49,270; May 4.
Wheatles. For Whole Wheat Flakes. General Mills, Inc. 49,256; May 4.
Wonder Red Wax. For Wax for Use on Skis. F. H. Wiessner. 49,287; May 4.

LIST OF PRINTS

A Prized Package to make Warm Friends. For Packaged Coal Briquettes. Pocahontas Fuel Company Incorporated. 16,180; May 4.
A Taylor-Made Rug. For Rugs and Carpets. Bigelow-Sanford Carpet Co. Inc. 16,175; May 4.
Candy for Easter. For Confectionery. Awful Fresh MacFarlane. 16,170; May 4.
Candy for Easter. For Confectionery. Awful Fresh MacFarlane. 16,172; May 4.

Easter Candy. For Confectionery. Awful Fresh MacFarlane. 16,171; May 4.
Fighting His Hardest Battle Now! For Wheat Breakfast Food. Cream of Wheat Corporation. 16,176; May 4.
Holloway's RX. For a Preparation for the Feet. Holloway, Inc. 16,179; May 4.
How Different New Way Makes Cakes Better 8 Ways. For Cake Flour. General Mills, Inc. 16,178; May 4.
Safety for Motor Cars. For Glare Preventing Devices for Headlights. Riflesso Manufacturing Co. 16,186; May 4.
So much more Enjoyment when You say Pabst, Ad. No. 2507. For Beer. Premier-Pabst Sales Co. 16,183; May 4.
So much more Enjoyment when You say Pabst, Ad. No. 3509. For Beer. Premier-Pabst Sales Co. 16,181; May 4.
So much more Flavor when You Say—Pabst, Ad. No. 3203. For Beer. Premier-Pabst Sales Co. 16,185; May 4.
So much more Refreshment when You say Pabst, Ad. No. 735. For Beer. Premier-Pabst Corporation. 16,182; May 4.
So much more Satisfying when You say Pabst, Ad. No. 2508. For Beer. Premier-Pabst Sales Co. 16,184; May 4.
The House of a Million Nuts. For Candy and Nuts. Awful Fresh MacFarlane. 16,173; May 4.
The Song Shop. For a Beverage. Coca-Cola Company. 16,177; May 4.
The Sweetest Spot in Town. For Candy and Nuts. Awful Fresh MacFarlane. 16,174; May 4.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aurora Sign Company. (See Gross, Joseph E., assignor.)
Blackhawk Mfg. Co. (See Pfauser, Edward M., assignor.)
Callier, André, Gand, and F. Heger, Uccle, Belgium. Motion picture projector. 20,346; May 4.
General Electric Company. (See Umansky, Leonid A., assignor.)
Gross, Joseph E., Swissvale, Pa., assignor to Aurora Sign Company. Luminous tube. 20,347; May 4.
Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar-wrapping mechanism. 20,355; May 4.
Heger, Fernand. (See Callier, A., and Heger.)
Hoffer, Le Roy H., assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Welding machine. 20,348; May 4.
Hoke, Walter W., Forest Hills, assignor to Westcott Electric Casting Corporation, New York, N. Y. Treatment of metals by electromagnetic forces. 20,349; May 4.
International Cigar Machinery Company. (See Halstead, John F., assignor.)
Line Material Company. (See Watson, Hiram K., assignor.)
Metropolitan Engineering Company. (See Hoffer, Le Roy H., assignor.)
Oakes Products Corporation. (See Smith, Frederick A., assignor.)
Pfauser, Edward M., assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Hydraulic jack. 20,350; May 4.
Rodney, George B., San Antonio, Tex. Tire deflation indicator. 20,351; May 4.
Smith, Frederick A., assignor to Oakes Products Corporation, North Chicago, Ill. Automobile lock structure. 20,352; May 4.
Umansky, Leonid A., Schenectady, N. Y., assignor to General Electric Company. Motor control system. 20,353; May 4.
Watson, Hiram K., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse construction. 20,354; May 4.
Westcott Electric Casting Corporation. (See Hoke, Walter W., assignor.)

LIST OF DESIGN PATENTEES

Allison, James F., Providence, R. I., assignor to Freeman-Daughaday Company. Key ring. 104,336; May 4.
American Seating Company. (See Bond, Willard H., Jr.)
Anderson, Raymond W., New York, N. Y. Sundial. 104,336; May 4.
Apichell, Ralph, Cleveland, Ohio. Horseshoe game device. 104,361; May 4.
Arens, Egmont H., New York, N. Y., assignor to The Hobart Manufacturing Company, Troy, Ohio. Holder for labels or the like. 104,387; May 4.
Ashton, Pearl F., Providence, R. I., assignor to Ernest E. Weller, Providence, R. I. Shoe ornament or similar article. 104,337; May 4.
Ashton, Pearl F., Providence, R. I., assignor to Ernest E. Weller, Providence, R. I. Shoe ornament or similar article. 104,338; May 4.
Attaway, William F., Sr., Oklahoma City, Okla. Truck body. 104,362; May 4.
Barth, Stanley, New York, N. Y. Cocktail ring. 104,363; May 4.
Beickert, Ernest, New York, N. Y. Game board. 104,364; May 4.
Berry, Helen, New York, N. Y. Dress. 104,388; May 4.
Binder, Rubin, Brooklyn, N. Y. Fur stretcher. 104,389; May 4.
Bissell Carpet Sweeper Company. (See Williams, Findley, assignor.)
Bocklage, Irene M., assignor to Cosmesis, Inc., Chicago, Ill. Bottle. 104,339; May 4.
Bond, William H., Jr., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Table. 104,390; May 4.
Caplan, Moses, Boston, Mass. Wall pocket. 104,391; May 4.
Caplan, Moses, Boston, Mass. Wall pocket. 104,392; May 4.
Carr-Lowrey Glass Co. (See Lloyd, Philip G., assignor.)
Cherry, Philip L., Philadelphia, Pa., assignor to E. L. Mansure Co., Chicago, Ill. Textile fabric. 104,340; May 4.
Chetlain, Arthur L., Seattle, Wash. Toy wheelbarrow. 104,393; May 4.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Metal container. 104,341; May 4.
Cosmesis, Inc. (See Bocklage, Irene M., assignor.)
Coss, George R., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric roaster. 104,394; May 4.
Cowan, R. Guy, assignor to Pass & Seymour Inc., Syracuse, N. Y. Ceiling lighting fixture. 104,365; May 4.
Cowan, R. Guy, assignor to Pass & Seymour, Inc., Syracuse, N. Y. Ceiling lighting fixture. 104,366; May 4.
Cowan, R. Guy, assignor to Pass & Seymour Inc., Syracuse, N. Y. Ceiling lighting fixture. 104,367; May 4.
Dictaphone Corporation. (See Patten, Ray, assignor.)
Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Casing for suction cleaners or similar articles. 104,344; May 4.
Duncan, James E. 3rd., and R. A. May, Washington, Pa., assignors to Duncan & Miller Glass Company, Washington, Pa. Tumbler or similar article. 104,342; May 4.
Duncan, James E. 3rd and R. A. May, Washington, Pa., assignors to Duncan & Miller Glass Company, Washington, Pa. Bowl or similar article. 104,343; May 4.
Duncan & Miller Glass Company. (See Duncan, J. E., 3rd and May, assignors.)
Dunham, LeRoy S., East Orange, and A. F. Robertson, Belleville, assignors to Edison-Splitdorf Corporation, West Orange, N. J. Magneto-electric generator. 104,368; May 4.
Dunham, LeRoy S., East Orange, and A. F. Robertson, Belleville, assignors to Edison-Splitdorf Corporation, West Orange, N. J. Magneto-electric generator. 104,369; May 4.
Dunham, LeRoy S., East Orange, and A. F. Robertson, Belleville, assignors to Edison-Splitdorf Corporation, West Orange, N. J. Magneto-electric generator. 104,370; May 4.
Dunham, LeRoy S., East Orange, and A. F. Robertson, Belleville, assignors to Edison-Splitdorf Corporation, West Orange, N. J. Magneto-electric generator. 104,371; May 4.
Eagle Pencil Company. (See Friedlaender, Walther, assignor.)
Edison-Splitdorf Corporation. (See Dunham, L. S., and Robertson, assignors.)
Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)
Erickson, Ernest R., assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa. Display rack for bread or similar article. 104,395; May 4.
Farber, Simon W., Brooklyn, N. Y. Candelabrum. 104,345; May 4.
Farber, Simon W., Brooklyn, N. Y. Candelabrum. 104,346; May 4.
Farber, Simon W., Brooklyn, N. Y. Candelabrum cup. 104,347; May 4.
Farber, Simon W., Brooklyn, N. Y. Candelabrum. 104,372; May 4.
Faries Manufacturing Company. (See Gaul, Frank M., assignor.)
Fehr, William, assignor of one-fourth to F. T. Hoffman, Sacramento, Calif. Bottle. 104,396; May 4.
Forbes, Jacob, Philadelphia, Pa. Lamp. 104,373; May 4.
Forbes, Jacob, Philadelphia, Pa. Lamp. 104,374; May 4.
Forbes, Jacob, Philadelphia, Pa. Combined lamp and smoker's stand. 104,397; May 4.
Forbes, Jacob, Philadelphia, Pa. Combined lamp and smoker's stand. 104,398; May 4.
Freeman-Daughaday Company. (See Allison, James F., assignor.)
Friedlaender, Walther, assignor to Eagle Pencil Company, New York, N. Y. Container for lead pencils or the like. 104,348; May 4.
Galante, Ermanno, Woburn, Mass. Chair. 104,375; May 4.
Gaul, Frank M., assignor to Faries Manufacturing Company, Decatur, Ill. Socket cover. 104,399; May 4.
Graff, George, Toledo, Ohio, and A. O. Samuels, Rochester, N. Y., assignors to Samson-United Corporation, Rochester, N. Y. Electric fan. 104,400; May 4.
Graves, William H. (See Kramer, J. M., Mullin and Graves.)

Gross, Olfver, assignor to Gross Photo Supply Company, Toledo, Ohio. Photo mount card. 104,376; May 4.
Gross Photo Supply Company. (See Gross, Oliver, assignor.)
Heberger, Linus F., assignor to Metal Arts Company, Rochester, N. Y. Finger ring. 104,349; May 4.
Hobart Manufacturing Company, The. (See Arens, Egmont H., assignor.)
Hobart Manufacturing Company, The. (See Meeker, David A., assignor.)
Hoffman, Frank T. (See Febr, William, assignor.)
Hoover Company, The. (See Dreyfuss, Henry, assignor.)
Kanter, Edward, Cleveland Heights, Ohio, assignor to Railley Corporation. Wall bracket lamp. 104,401; May 4.
Kern, Charles J., Buffalo, N. Y. Stop light signal. 104,421; May 4.
Kinsley, Felix P., St. Louis, Mo. Ring or similar article of jewelry. 104,422; May 4.
Klever, William E., Washington Court House, Ohio. Casket bier or similar article. 104,403; May 4.
Kluyskens, Gerard J., New York, N. Y. Rug. 104,404; May 4.
Kornfeld, Morton D., New York, N. Y. Textile fabric. 104,402; May 4.
Kramer, Andrew A. (See Kramer, J. M., Mullin and Graves, assignors.)
Kramer, Joseph M. and Hugh A. Mullin, Kansas City, Mo., and William H. Graves, Kansas City, Kans., assignors to Andrew A. Kramer, Kansas City, Mo. Trailer tank vehicle body. 104,377; May 4.
Kress, S. H., and Company. (See Sibbert, Edward F., assignor.)
Lattner, Emert J., Cedar Rapids, Iowa. Oil burner. 104,378; May 4.
Lelong, Lucien, Inc. (See Stein, Joseph S., assignor.)
Lelong, Lucien, Paris, France, assignor to Lucien Lelong Inc., Chicago, Ill. Cologne bottle or similar article. 104,350; May 4.
Leppke, Louis A., Omaha, Nebr. Drinking-vessel. 104,379; May 4.
Lloyd, Philip G., Jackson Heights, N. Y., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 104,351; May 4.
Lucien Lelong Inc. (See Lelong, Lucien, assignor.)
Maiden Form Brassiere Company. (See Rosenthal, William, assignor.)
Mansure, E. L., Co. (See Cherry, Philip L., assignor.)
May, Robert A. (See Duncan, James E., 3rd.)
McKee Glass Company. (See Poglein, Louis, assignor.)
Meeker, David A., assignor to The Hobart Manufacturing Company, Troy, Ohio. Coffee mill casing. 104,423; May 4.
Metal Arts Company. (See Herberger, Linus F., assignor.)
Minoff, Jack, Newark, N. J. Knitted fabric. 104,352; May 4.
Minoff, Jack, Newark, N. J. Knitted fabric. 104,353; May 4.
Minoff, Jack, Newark, N. J. Knitted fabric. 104,354; May 4.
Minoff, Jack, Newark, N. J. Knitted fabric. 104,355; May 4.
Minoff, Jack, Newark, N. J. Knitted fabric. 104,356; May 4.
Minoff, Jack, Newark, N. J. Knitted fabric. 104,357; May 4.
Mullin, Hugh A. (See Kramer, J. M., Mullin, and Graves.)
New Jersey Porcelain Company. (See Smith, James R., Sr., assignor.)
New York Knitting Mills, Inc. (See Rheinauer, Daniel, assignor.)
Ohio Thermometer Company, The. (See Wappner, Ralph C., assignor.)
Owens-Illinois Can Company. (See Connor, Martha H., assignor.)
Pass & Seymour, Inc. (See Cowan, R. Guy, assignor.)
Price, Oscar M., Oakland, Calif. Muddler. 104,381; May 4.
Quaker Lace Company Incorporated. (See Waterfield, James, assignor.)
Railley Corporation. (See Kanter, Edward, assignor.)
Rheinauer, Daniel, assignor to New York Knitting Mills, Inc., New York, N. Y. Knitted two-piece dress. 104,405; May 4.
Robertson, Arthur F. (See Dunham, L. R. S., and Robertson.)
Romaine, Elizabeth T., New York, N. Y. Dress. 104,406; May 4.
Rosenthal, William, assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassière. 104,407; May 4.
Rosenthal, William, assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassière. 104,408; May 4.
Patten, Ray, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y. Control device for phonographs. 104,424; May 4.
Poglein, Louis, assignor to McKee Glass Company, Jeannette, Pa. Rack for beer-foam scrapers. 104,380; May 4.
Safian, Felix, New York, N. Y. Dress ensemble. 104,409; May 4.
Samson-United Corporation. (See Graff, G., and Samuels, assignors.)
Samstag, Louis A., New York, N. Y. Vanity case. 104,358; May 4.
Samuels, Abe O. (See Graff, G., and Samuels.)
Schakne, Harry T., New York, N. Y. Dress ensemble. 104,410; May 4.
Schiffmann, Robert P., Chicago, Ill. Automobile antenna. 104,382; May 4.
Scudder, Charles J., Scranton, Pa. Locomotive. 104,425; May 4.
Shorser, Isidor J., West New York, N. J. Embroidered textile fabric. 104,426; May 4.
Shorser, Isidor J., West New York, N. J. Embroidered textile fabric. 104,427; May 4.
Sibbert, Edward F., Brooklyn, N. Y., assignor to S. H. Kress and Company, New York, N. Y. Lighting fixture. 104,383; May 4.
Simon, Irwin B., San Francisco, Calif. Hat. 104,411; May 4.
Simpson, Robert W., New York, N. Y. Lamp. 104,412; May 4.
Smith, James R., Sr., assignor to New Jersey Porcelain Company, Trenton, N. J. Recessed soap holder or the like. 104,359; May 4.
Smith, Manville D., New York, N. Y. Book end or similar article. 104,413; May 4.
Snow-Craggs Corporation. (See Snow, William H., assignor.)
Snow, William H., assignor to Snow-Craggs Corporation, Chicago, Ill. Bracket for a steering wheel turning knob. 104,428; May 4.
Sparks-Withington Company, The. (See Wall, Harley R., assignor.)
Stein, Joseph S., assignor to Lucien Lelong, Inc., Chicago, Ill. Perfume bottle or similar article. 104,414; May 4.
Sudbeaz, Joseph, New York, N. Y. Combination perfume bottle and stand. 104,384; May 4.
Swartzbaugh Manufacturing Company, The. (See Coss, George R., assignor.)
Turpan, Mark, West New York, N. J. Textile fabric. 104,415; May 4.
Wagner, Christian H., Tiffin, Ohio. Meat tenderer. 104,360; May 4.
Wall, Harley R., Detroit, Mich., assignor to The Sparks-Withington Company, Jackson, Mich. Wire door rack. 104,385; May 4.
Wappner, Ralph C., assignor to The Ohio Thermometer Company, Springfield, Ohio. Thermometer. 104,416; May 4.
Waterfield, James, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace. 104,417; May 4.
Weller, Ernest E. (See Ashton, Pearl F., assignor.)
Williams, Findley, Park Ridge, Ill., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweeper shell. 104,418; May 4.
Williams, Findley, Park Ridge, Ill., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweeper. 104,419; May 4.
Winter, Irving A., New York, N. Y. Dress. 104,420; May 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Thomas A., Marblehead, Mass., assignor to General Electric Company. Meter casing. 2,078,920; May 4.
Actiengesellschaft Joh. Jacob Rieter & Cie. (See Hess, Heinrich O., assignor.)
Adamson, Lee H., Brentwood Heights, Calif. Traveling sprinkler. 2,078,987; May 4.
Aktiebolaget Imo-Industri. (See Montelius, Carl O. J., assignor.)
Aktiebolaget Milo. (See Lysholm, Alf, assignor.)
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Sanding machine. 2,079,143; May 4.
Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Typographical composing machine. 2,079,196; May. 4.
Alco Valve Co. (See Shrode, John L., assignor.)
Allard, Arthur R., Drexel Hill, Pa. Safety shoe. 2,079,237; May 4.
All-Electric Cream Separator Company. (See Castleman, Samuel T., assignor.)
Allen-Bradley Company. (See Bradley, Harry L., assignor.)
Allied Engineering Company. (See Schmidt, Erwin J., assignor.)
Allison, Murrell G. (See Roos, C. K., and Allison.)
Aluminum Company of America. (See Ferguson, Allan R., assignor.)
Aluminum Company of America. (See Noyes, Maxwell E., assignor.)
Alvarado, Alfonso M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,078,921; May 4.
Amato, Frank, assignor to Kamket Corporation, New York, N. Y. Bookbinder. 2,078,988; May 4.
Amco, Incorporated. (See Morton, W. A., and Spencer, assignors.)
American Ball-Mill Company. (See Miller, S. L. and Johnson, assignors.)
American Brass Company, The. (See Jennison, Herbert C., assignor.)
American Car and Foundry Motors Company. (See Morris, H. L., and Dayes, assignors.)
American Iron & Machine Works Company. (See Jones, Floyd J., assignor.)
American Laundry Machinery Company, The. (See Couch, Forrest J., assignor.)
American Laundry Machinery Company, The. (See Johnson, George W., assignor.)
American Lurgi Corporation. (See Barthel, Rudolf O., assignor.)
American Oak Leather Co., The. (See Wilson, Earle, assignor.)
American Radiator Company. (See Manning, Fowler, assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
Anderson, Roger, assignor to The Tower Company, Seattle, Wash. Fracture reducing table. 2,079,567; May. 4.
Anderson, Russell T. (See Hosker, F. P., and Anderson.)
Andres, Lloyd J., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich. Stylus arm switch. 2,078,928; May 4.
Angier, Edward H., Framingham, Mass., assignor to E. H. Angier as trustee for Angier Laboratories. Creping. 2,079,273; May 4.
Angier Laboratories. (See Angier, Edward H., assignor.)
Appa, Frank, assignor, by mesne assignments, to Reliable Refrigeration Co., Inc., Chicago, Ill. Thermal fluid conduit and core therefor. 2,079,144; May 4.
Arlington Mills. (See Harding, Frank E., assignor.)
Armour and Company. (See Ralston, A. W., and V. Conquest, assignors.)
Armstrong Cork Company. (See Clark, Ralph R., assignor.)
Armstrong Rubber Company, The. (See Walsh, James A., assignor.)
Arndt, Max A., assignor of one-half to A. M. McIntosh, Portland, Oreg. Mixing machine. 2,079,272; May 4.
Arnold, Herrick R., Elmhurst, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of higher amines. 2,078,922; May 4.
Arthur, James L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Centrifugal control for timers. 2,079,145; May 4.
Asao, Soichiro, and M. Nagashima, Tokyo, Japan, assignors to General Electric Company. Photoelectric tube. 2,079,477; May 4.
Ascough, William S. (See Drew, H., Kennington, Constantine, and Ascough.)
Ashbaugh, John H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Shipping refrigerating apparatus. 2,079,238; May 4.
Ashkenas, David, Middletown, N. Y. Base for lifting jacks. 2,078,989; May 4.
Atwell, Harold V., Bayside, N. Y., assignor to Standard Oil Company, Chicago, Ill. Gas machine. 2,079,586; May 4.
Austin, Frederick D., Port Chester, N. Y. Safety device for heat transference apparatus. 2,078,990; May 4.
Automatic Eraser Corporation. (See Lukowski, Hermann, assignor.)
Automatic Musical Instrument Company. (See Andres, Lloyd J., assignor.)
Automatic Temperature Control Co. Inc. (See Wilhjelm, Christian, assignor.)
Ayliffe, Harry, Purley, England. Tin opener. 2,079,271; May 4.
Babcock & Wilcox Company, The. (See Trainer, James E., assignor.)
Bailey Meter Company. (See Gorrie, Harvard H., assignor.)
Bailey Meter Company. (See Johnson, Clarence, assignor.)
Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Pole cable terminal. 2,078,991; May 4.
Baker, Kilian J., Fort Wayne, Ind. Flexible conduit for electrical wires. 2,079,274; May 4.
Baldwin-Southwark Corporation. (See Kerr, Samuel L., assignor.)
Banigan, Thomas F., Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Product and preparing same. 2,079,146; May 4.
Banigan, Thomas F., Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating pellicles. 2,079,147; May 4.
Banks, Daniel B., Upper Darby, Pa., and P. D. Barton, Searsdale, N. Y., assignors, by mesne assignments, to Sun Oil Company, Philadelphia, Pa. Method and apparatus for dewaxing oils. 2,078,992; May 4.
Barbier, Emile, Paris, France. Watertight portable thermometer. 2,078,993; May 4.
Bardet, George A. and G. V., Berkeley, Calif., assignors to M. J. B. Company. Can registering means. 2,078,923; May 4.
Bardet, George V. (See Bardet, George A. and G. V.)
Bargeboer, Adolf, The Hague, Netherlands. Oil burner device. 2,079,430; May 4.
Barnes, John B., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,079,148; May 4.
Barnett, Earl E., North Hollywood, Calif. Lip shield. 2,079,099; May 4.
Barrett Company, The. (See Miller, Stuart P., assignor.)
Barthel, Rudolf O., Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Working copper alloys and more particularly copper alloys containing less than about twelve per cent tin. 2,079,239; May 4.
Barton, Loy E., Collingswood, N. J., assignor to Radio Corporation of America. Demodulator. 2,078,994; May 4.
Barton, Paul D. (See Banks, D. B., and Barton.)
Bashe, Carl E., Minneapolis, Minn. Concrete insert. 2,079,478; May 4.
Basseches, Jacob T. (See Levin, Michael, assignor.)
Bates, Hamilton C., Chester, Conn. Folding receptacle. 2,078,995; May 4.
Battegay, Martin, Mulhouse, France, assignor to The Calco Chemical Co., Inc., Bound Brook, N. J. N-chlorosulphonylamides and their preparation. 2,079,541; May 4.
Bauer, Louis E., and H. F. Peavey, Springfield, Mass., assignors to Citrus Products Equipment Company. Method and apparatus for preparing fruit juices. 2,079,542; May 4.
Bauer, Wilhelm, Leverkusen-Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New dyestuffs of the anthraquinone series. 2,078,996; May 4.
Beaver Pipe Tools, Inc. (See Pealer, Robert B., assignor.)
Beck, Joseph A. (See Santmyer, Lewis B., assignor.)

Beech-Nut Packing Company. (See McBean, Douglas M., assignor.)
Begg, Russell S., Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Dehydrator for air brake systems. 2,079,100; May 4.
Behrend & Rothschild. (See De Cesare, Matteo, assignor.)
Beisel, Rex B., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Oil-cooling radiator. 2,079,275; May 4.
Bell Telephone Laboratories, Incorporated. (See Riesz, Robert R., assignor.)
Benge, Frank H., Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Core structure. 2,079,393; May 4.
Benner, Raymond C., and G. J. Easter, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Cast refractory and making it. 2,079,101; May 4.
Bennett, Irving T., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Welding rod and the like. 2,079,479; May 4.
Bennett, Irving T., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Welding rod and the like. 2,079,480; May 4.
Bennett, Irving T., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Leaded phosphor-bronze welding rod. 2,079,481; May 4.
Bennett, Irving T., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Welding rod and the like. 2,079,482; May 4.
Bennett, Irving T., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Welding rod. 2,079,483; May 4.
Bennett, Irving T., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Welding rod and the like. 2,079,484; May 4.
Bennett, Joseph A., assignor of one-half to J. W. Piercy, Bloomington, Ind. Mechanism for producing printing plates by electric arcs. 2,079,310; May 4.
Bennett, Rowland K. (See Corneli, M. L., Graff, and Bennett.)
Berg, Adolf. (See Koepke, William F., assignor.)
Berg, Emil G. (See Lewis, N. H., and Berg.)
Berger, Alfred, Breslau, assignor, by mesne assignments, to H. Meinecke, A. G., Breslau, Carlowitz, Germany. Metering system. 2,078,997; May 4.
Bergman, Charles P., San Francisco, Calif., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Accuracy regulator. 2,079,197; May 4.
Bethlehem Steel Company. (See Winkler, Louis H., assignor.)
Biddinger, George M. (See Myers, J. W., and Biddinger.)
Biginelli, Oreste, Clermont-Ferrand, France. Making metal cases from a tubular piece. 2,079,102; May 4.
Birkigt, Marc, Bois-Colombes, France. Percussion fuse. 2,079,394; May 4.
Birtman Electric Company. (See Harris, John R., assignor.)
Black, Alexander. (See Johnson, L. R., and Black.)
Black, Edward R., assignor to Black Systems, Inc., Chicago, Ill. Building covering. 2,078,998; May 4.
Black Systems, Inc. (See Black, Edward R., assignor.)
Blanchard, Benjamin B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stapling machine. 2,078,999; May 4.
Blau, Ludwig W., and L. Statham, Houston, Tex., assignors to Standard Oil Development Company. Apparatus for recording earth current transients. 2,079,103; May 4.
Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Continuous process of producing carbon bisulphide. 2,079,543; May 4.
Bloss, Richard R., assignor to International-Stacy Corporation, Columbus, Ohio. Walking beam mechanism. 2,079,276; May 4.
Blumenthal, Leo, Berlin-Charlottenburg, Germany. Device for exercising orthopedically and massaging the unshod human foot. 2,079,311; May 4.
Boedecker, Friedrich, Dahlem, near Berlin, assignor to Chinosolfabrik Aktiengesellschaft, Hamburg-Billbrook, Germany. Producing a novel 8-hydroxyquinoline salt. 2,079,312; May 4.
Boelm, Oswald J. (See Knudtson, Vernon E., assignor.)
Bold, John W. (See Ryan, W. M., and Bold.)
Boott Mills. (See Glonet, Arthur W., assignor.)
Borda, William F. (See Grisolia, Lucy, assignor.)
Borg-Warner Corporation. (See Ingersoll, Stephen L., assignor.)
Bossart, Paul N. (See Place, W. P., and Bossart.)
Bousman, Henry W., Scotia, N. Y., assignor to General Electric Company. Protective arrangement for electrical instruments. 2,079,485; May 4.
Bower, William M., Romford, assignor to Linotype and Machinery Limited, London, England. Distributing mechanism of typographical composing machines. 2,079,198; May 4.
Bowser, Percy L. (See Flammang, J., Bowser, and Ernst.)
Bradley, Harry L., River Hills, assignor to Alley-Bradley Company, Milwaukee, Wis. Insulated resistance unit. 2,079,369; May 4.
Bradshaw, Hamilton, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic product and making same. 2,079,395; May 4.
Brady, Richard M. (See Gallagher, G. R., and Brady.)
Brand, Samuel. (See Fuller, F. L., and Brand.)
Brandt, Carl A., Great Neck, assignor to The Superheater Company, New York, N. Y. Superheater. 2,079,104; May 4.
Brandwood, John, Birkdale, Southport, England. Form of spool for textile yarns. 2,079,277; May 4.
Brauning, Karl A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 2,079,583; May 4.
Brazel, Frank W. (See Williams, P., and Brazel.)
Breidenbaugh, Christian P. (See Turner, J. F., and Breidenbaugh.)
Brenner, Bernard W., Croydon, assignor of one-half to P. Shefras, London, England. Coin-, token-, or check-freed apparatus for playing a game of skill. 2,079,000; May 4.
Bridgens, Walter R., Northenden, Manchester, England. Lifting jack and jacking system for vehicles. 2,079,149; May 4.
Bridgeport Thermostat Company. (See Ward, Marshall H., assignor.)
Briggs, Howland F., Buffalo, and R. N. Cundall, Lackawanna, assignors to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Sewing machine. 2,079,062; May 4.
Bristow, James J. R., Safety Harbor, Fla. Cleaning fruit. 2,079,278; May 4.
Brolly, Archibald H. (See Gardner, B. C., and Brolly.)
Brosius, Albert M., White Plains, N. Y. Liquid flow control. 2,079,063; May 4.
Brosius, Edgar E. (See Edgar, L. C., and Brosius.)
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Loom. 2,079,544; May 4.
Brown, Leslie O. (See Truex, H. C., and Brown.)
Brown and Sharpe Manufacturing Company. (See Gigger, Walter A., assignor.)
Bruns, George H., Grasmere, N. Y. Device for hoisting beams. 2,079,240; May 4.
Bugh, John D., San Diego, Calif. Bottle seal. 2,079,545; May 4.
Burrill, Charles M., Haddonfield, N. J., assignor to Radio Corporation of America. Overvoltage timer. 2,079,064; May 4.
Burt, Harold A., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 2,079,199; May 4.
Burt, Harold A., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 2,079,200; May 4.
Burt, Robert C., Pasadena, Calif. Apparatus for separating metallic mixtures. 2,079,241; May 4.
Bushey, Eli J., New York, N. Y. Carburetor. 2,079,150; May 4.
Byers, Laud S., Glendale, assignor, by mesne assignments, to Halafax Explosives Company, Los Angeles, Calif. Explosive. 2,079,105; May 4.
Cain, William, Sr., Newburg, W. Va. Cashier's shield. 2,079,242; May 4.
Calco Chemical Co., The. (See Battegay, Martin, assignor.)
Calco Chemical Co., The. (See Crossley, M. L., Kienle, and Royer, assignors.)
Calco Chemical Co., The. (See Johnson, Edward S., assignor.)
Callahan, Arthur R., Brooklyn, N. Y. Toy track. 2,079,065; May 4.
Calton, Albert E., assignor to E. C. Calton, Elmira, N. Y. Convertible baby carriage and stroller. 2,078,929; May 4.
Calton, Elsie C. (See Calton, Albert E., assignor.)
Canal National Bank of Portland, The, trustee. (See Dorr, George P., assignor.)
Cannon, George E., Houston, Tex., assignor to Standard Oil Development Company. Plugging water sands by a soap precipitate. 2,079,431; May 4.
Carborundum Company, The. (See Benner, R. C., and Easter, assignors.)
Carborundum Company, The. (See Easter, G. J., McMullen, and Logan, assignors.)
Cardwell-Westinghouse Company. (See Hall, Marchand B., assignor.)
Carlson, Frank E., Brooklyn, N. Y. Propeller. 2,079,486; May 4.
Carpenter, Mason P., assignor to International Frictionless Brake Corporation, Lansing, Mich. Brake. 2,079,432; May 4.
Carpineti, Arnaldo, Buenos Aires, Argentina. Maize harvesting machine. 2,079,201; May 4.
Carp's, J. A., Garenfabrieken N. V. (See Nunnikhoven, Johannes, assignor.)
Carrier Corporation. (See Polderman, Lambert H., assignor.)
Carswell, Thomas S., Kirkwood, assignor to Monsanto Chemical Company, St. Louis, Mo. Esters of dicarboxylic acids and substituted phenols. 2,079,487; May 4.
Casner, Thaddeus S., Plainfield, N. J. Motor for electric razors. 2,079,151; May 4.
Castleman, Samuel T., assignor to All-Electric Cream Separator Company, Louisville, Ky. Electric cream separator. 2,079,396; May 4.

Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignors.)
Celanese Corporation of America. (See Martin, Herbert E., assignor.)
Celanese Corporation of America. (See Taylor, William I., assignor.)
Celanese Corporation of America. (See Whitehead, W., and Keight, assignors.)
Champlin, Franklin J., Dalton, Mass., assignor to General Electric Company. Voltage regulation. 2,079,488; May 4.
Chandler & Price Company, The. (See Johnson, L. R., and Black, assignors.)
Chase Companies, The. (See Reichenbach, H. F., and Stadalius, assignors.)
Chase-Shawmut Company, The. (See Wood, Morris B., assignor.)
Chattanooga Medicine Co., The. (See Grote, Irvine W., assignor.)
Chemische Fabrik von Heyden, A. G. (See Raeth, C., Rittler, and Steingroever, assignors.)
Chemische Forschungsgesellschaft m. b. H. (See Herrmann, Willy O., assignor.)
Chicago Forging & Manufacturing Co. (See Hynes, Dibrell P., assignor.)
Chicago Metallic Manufacturing Company. (See Langel, Adrien L., assignor.)
Chinosolfabrik Aktiengesellschaft. (See Boedecker, Friedrich, assignor.)
Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Lock stitch sewing machine. 2,079,568; May 4.
Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Production of seams for knit goods. 2,079,569; May 4.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,078,930; May 4.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,078,931; May 4.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,078,932; May 4.
Cirac Automatic Reverse Control Company. (See Cirac, C. P. Cooper, and MacDonald, assignors.)
Cirac, Charles P., and T. W. Cooper, San Francisco, and W. W. MacDonald, Mountain View, assignors to Cirac Automatic Reverse Control Company, San Francisco, Calif. Reverse lock mechanism. 2,079,106; May 4.
Citrus Products Equipment Company. (See Bauer, L. E., and Peavey, assignors.)
Clark Equipment Company. (See Lapsley, Robert, assignor.)
Clark, Ralph R., assignor to Armstrong Cork Company, Lancaster, Pa. Inductive heating. 2,079,152; May 4.
Clary, Paul D., and E. T. Georgeson, Eureka, Calif. Making alkali-cellulose and products therefrom. 2,079,313; May 4.
Claybourn, Leslie W., Milwaukee, Wis., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Registering printing plates. 2,079,243; May 4.
Clerk, Donald V., Detroit, Mich. Tool retainer. 2,078,924; May 4.
Cleveland Cooperative Stove Company, The. (See Herbster, George, assignor.)
Clinkenbeard, Calvin, Spokane, Wash. Power take-off appliance. 2,079,244; May 4.
Cobb, Henry Z., Providence, R. I., assignor to United States Rubber Products, Inc., New York, N. Y. Core covering machine. 2,079,433; May 4.
Colby, Haldwell S., Port Washington, N. Y., and R. F. O'Mara, Chicago, Ill., assignors to Raymond Bros. Impact Pulverizer Co., Chicago, Ill. Process and apparatus for deodorizing gases. 2,078,925; May 4.
Cole, Robert M., Bryn Athyn, Pa. Reclaiming of rubber. 2,079,489; May 4.
Coleman, Gerald H., and B. C. Hadler, assignors to The Dow Chemical Company, Midland, Mich. Reaction products of diphenyloxide with the dihalo aliphatic hydrocarbons. 2,079,279; May 4.
Collier, William H., Jackson, Tenn. Spring suspension for auto vehicles. 2,079,314; May 4.
Commercial Solvents Corporation. (See Swallen, Lloyd C., assignor.)
Conekin, Dawson, Philadelphia, Pa. Steam and hot water boiler. 2,079,546; May 4.
Conover, Courtney, assignor to Monsanto Chemical Company, St. Louis, Mo. Maleic acid from diolefines. 2,079,490; May 4.
Conquest, Victor. (See Ralston, A. W., and Conquest.)
Consolidated Car-Heating Company. (See Parsons, Robert J., assignor.)
Consolidated Packaging Machinery Corporation. (See Briggs, H. F., and Cundall, assignors.)
Constantine, William W. (See Drew, H., Kennington, Constantine, and Ascough.)
Continental-Diamond Fibre Company. (See Benge, Frank H., assignor.)
Cook Electric Company. (See Baker, John S., assignor.)
Cooke, Theodore C., Swampscott, Mass. Ski-tow apparatus. 2,079,491; May 4.
Cooper, Thomas W. (See Cirac, C. P., Cooper, and MacDonald.)
Cornell Iron Works, Inc. (See Cornell, M. L., Graff, and Bennett, assignors.)
Cornell, Milton L., A. H. Graff, and R. K. Bennett, New York, N. Y., assignors to Cornell Iron Works, Inc., Long Island City, N. Y. Flexible grille with distinctive character design. 2,078,926; May 4.
Côté, Raoul, St. Lambert, Quebec, Canada. Circuit closer. 2,079,153; May 4.
Cottrell, C. B., Sons Company. (See Claybourn, Leslie W., assignor.)
Couch, Forrest J., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Continuously conditioning tumbler. 2,079,280; May 4.
Court, Frank T., assignor to Deere & Company, Moline, Ill. Harvester. 2,079,547; May 4.
Courtin, Eberhard, Berlin-Lankwitz, Germany, assignor to General Electric Company. Electrical regulating system. 2,079,492; May 4.
Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 2,079,001; May 4.
Crane Co. (See Olson, C. A., Magos, and McRae, assignors.)
Crane Packing Company. (See Matter, Albert J., assignor.)
Cranston, Albert E., Wenatchee, Wash. Corrguated fastener driving machine. 2,079,154; May 4.
Creative Industries, Inc. (See Severy, Victor H., assignor.)
Crewdson, Sarah M., assignor of one-third to R. H. Goodhart, Chicago, Ill. Attachment for sewing machines. 2,079,493; May 4.
Cridlebaugh, John C., Woodinville, Wash. Device to prevent picking in poultry. 2,079,107; May 4.
Crites, Joe, Evanston, assignor to Raymond Brothers Impact Pulverizer Company, Chicago, Ill. Bowl mill. 2,079,155; May 4.
Crossley, Moses L., Plainfield, R. H. Kienle, Bound Brook, and G. L. Royer, Somerville, assignors to The Calco Chemical Co., Inc., Bound Brook, N. J. Colloidized pigments of basic dyes. 2,079,548; May 4.
Culpeper, Charles E. (See Keith, Claude D., assignor.)
Cundall, Robert N. (See Briggs, H. F., and Cundall.)
Cunningham, James M., Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,079,434; May 4.
Cutler-Hammer, Inc. (See Lockett, Ralph G., assignor.)
Dalkowitz, Godfrey, New York, assignor to G. Dalkowitz, Brooklyn, N. Y., and J. D. Garretson, Oakland, Calif., as trustees. Safety razor. 2,079,245; May 4.
Danckwortt, Thomas B., Los Angeles, Calif. Two-cycle Diesel engine. 2,079,156; May 4.
Dantsizen, Christian, Schenectady, N. Y., assignor to General Electric Company. Continuous annealing process. 2,079,494; May 4.
Davis, Kenneth, Edensburg, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for separating intermixed divided materials. 2,079,246; May 4.
Dawson, George A. (See Middleton, E. B., and Dawson.)
Dayes, Frederick E. (See Morris, H. L., and Dayes.)
Dean, David M., Detroit, Mich. Trousers and forming same. 2,079,398; May 4.
Dean, Reginald S., Washington, D. C., and J. Gross, Minneapolis, Minn. Pulverizing mineral aggregates. 2,078,933; May 4.
De Beauregard, Amédée C., Paris, France. Apparatus for regulating the temperature of fluids. 2,079,397; May 4.
De Cesare, Matteo, Jersey City, N. J., assignor to Behrend & Rothschild, New York, N. Y. Coin registering toy bank. 2,079,202; May 4.
De Cremer, Henry J., Green Bay, Wis. Liquid cooling apparatus. 2,079,549; May 4.
Deere & Company. (See Court, Frank T., assignor.)
Delbel, Cyril P., Lakewood, Ohio. Dry cell and seal therefor. 2,079,495; May 4.
De Lancey, Warren H. (See Logan, J. A., and De Lancey.)
De Laval Separator Company, The. (See Fröding, Olof E., assignor.)
De Lin, Martin, assignor to Holland Furnace Company, Holland, Mich. Circulation control for furnaces. 2,079,157; May 4.
De Loeschnigg, Jean P., New York, N. Y. Holder for lipsticks and similar articles. 2,079,002; May 4.
De Mott, George L., Washington, D. C. Toy. 2,079,550; May 4.
Denton, Van L. (See Huffman, Conard W., assignor.)
De Rochat, Nicholas G., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,079,158; May 4.
Detroit Lubricator Company. (See Hann, Albert G., assignor.)
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Klar, Max and Grunert, assignors.)
Dewar Manufacturing Company. (See Dick, Stewart B., assignor.)
Dick, Stewart B., East Orange, N. Y., assignor to Dewar Manufacturing Company, Brooklyn, N. Y. Electric switch device. 2,079,003; May 4.
Dickerson, James H., New Philadelphia, Ohio. Dust collector. 2,079,315; May 4.

Dillström, Torbjörn Viktor, Stockholm, Sweden, assignor to Hesselman Motor Corporation, Ltd., London, England. Internal combustion engine. 2,078,934; May 4.

Dinesen, Laurits, Minneapolis, Minn. Teat cup. 2,079,435; May 4.

Domack, Lawrence C., Elmwood Park, Ill. Paring and coring tool. 2,079,496; May 4.

Doppenschmitt, Friedrich. (See Einsele, Robert, assignor.)

Doppenschmitt, Friedrich. (See Schofer, Karl, assignor.)

Doran, John E., Cincinnati, Ohio. Regulating the rate of feed of a milling machine or other machine tool having a plurality of driving motors. 2,079,004; May 4.

Dorr, George P., Littleton, N. H., assignor, by mesne assignments, to The Canal National Bank of Portland, as trustee, Portland, Maine. Molded fiber container for eggs. 2,078,927; May 4.

Douglas, Harry A., Bronson, Mich. Compressing tool. 2,079,498; May 4.

Dow Chemical Company, The. (See Coleman, G. H., and Hadler, assignors.)

Downes, Charles D., Providence, R. I. Billfold. 2,078,935; May 4.

Drakenfeld, B. F., & Co. (See Shively, Robert R., assignor.)

Draper Corporation. (See Brown, Carl D., assignor.)

Draper Corporation. (See Tebo, William A., assignor.)

Dress, George W. (See Wheeler, H. R., and Dress.)

Drew, Harold, Luton, W. O. Kennington, W. W. Constantine, and W. S. Ascough, London, England, assignors to General Motors Corporation, Detroit, Mich. Wind screen wiper. 2,079,399; May 4.

Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Textile process and product. 2,079,108; May 4.

Dreyfus, Henry, London, England. Manufacture or treatment of products or articles made of or containing cellulose derivatives or other lacquer bases. 2,079,109; May 4.

Duarte, John T., Honolulu, Hawaii. Cooking vessel attachment. 2,079,281; May 4.

Dubbs, Carbon P., Wilmette, assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Conversion of petroleum oil. 2,079,159; May 4.

Du Bois, Kenneth W., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 2,079,282; May 4.

Dunn, William C., Chicago, Ill. Carburetor. 2,079,436; May 4.

Du Pont, E. I., de Nemours & Co. (See Alvarado, Alfonso M., assignor.)

Du Pont, E. I., de Nemours & Company, The. (See Arnold, Herrick R., assignor.)

Du Pont, E. I., de Nemours & Company. (See Banigan, Thomas F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Bradshaw, Hamilton, assignor.)

Du Pont, E. I., de Nemours & Company. (See Hansley, Virgil L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Harris, Charles R., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hershberger, Albert, assignor.)

Du Pont, E. I., de Nemours & Company. (See Larchar, Arthur W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Larson, Alfred T., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Mitchell, James A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Picard, René, assignor.)

Du Pont, E. I., de Nemours & Company. (See Pickens, J. D. and Thompson, assignors.)

Du Pont Film Manufacturing Corporation. (See Middleton, E. B., and Dawson, assignors.)

Durkin, Ernest J., assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio. Display. 2,079,370; May 4.

Easter, George J. (See Benner, R. C., and Easter.)

Easter, George J., and C. McMullen, Niagara Falls, N. Y., and I. M. Logan, Niagara Falls, Ontario, Canada, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Ceramic bonded silicon carbide refractory. 2,079,110; May 4.

Eckstein, George R., assignor to Visco Meter Corporation, Buffalo, N. Y. Viscosimeter. 2,079,247; May 4.

Eclipse Aviation Corporation. (See Nowosielski, Edward B., assignor.)

Eclipse Machine Company. (See Morris, Marion W., assignor.)

Edgar, Louis C., Swissvale, and E. E. Brosius, Pittsburgh, Pa., said Edgar assignor to said Brosius. Apparatus for treating molten materials. 2,079,111; May 4.

Ehret, Clement, White Plains, assignor to International Business Machines Corporation, New York, N. Y. Manually operated punch. 2,079,437; May 4.

Eichelsdoerfer, Theodore P., Rock Island, Ill. Revolving sign. 2,079,112; May 4.

Eicholtz, Morris M., Athol, S. Dak. Golf bag attachment. 2,079,551; May 4.

Einsele, Robert, assignor to F. Doppenschmitt, Pforzheim, Germany. Link band for ornamental and useful purposes. 2,079,400; May 4.

Eisenberg, Harry, and E. Orinsky, Brooklyn, N. Y. Handbag. 2,079,401; May 4.

Eitzen, August D., Rockville Centre, assignor to News Projection Corporation, New York, N. Y. Stock quotation projecting machine. 2,078,936; May 4.

Eitzen, August D., Rockville Centre, assignor to News Projection Corporation, New York, N. Y. Optical system method and apparatus. 2,078,937; May 4.

Eklind, Carl E., Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,079,160; May 4.

Electreporter, Inc. (See Ligh, Charles G., assignor.)

Electroblacks, Inc. (See Jakosky, J. J., and Hanson, assignors.)

Ellis, Clifford A., Ridgefield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Tank fire extinguishing apparatus. 2,079,438; May 4.

Emrick, George W., Brooklyn, N. Y. Tapping machine. 2,079,371; May 4.

Emrick, George W., Brooklyn, N. Y. Tapping machine. 2,079,372; May 4.

Enterprise Manufacturing Company, The. (See Pflueger, Charles T., assignor.)

Erlewine, Walter W., Long Beach, Calif. Pitman stirrup bearing. 2,079,113; May 4.

Ernst, Herman. (See Flammang, J., Bowser, and Ernst.)

Etling, Harold A., assignor to The Weather-Seal Company, Barberton, Ohio. Supplemental window sash. 2,079,283; May 4.

Evans Case Company. (See Reilley, Alfred F., assignor.)

Evans, Llewellyn W., assignor to Rheem Manufacturing Company, Richmond, Calif. Clamping ring for receptacle covers. 2,079,114; May 4.

Ewing Development Company. (See Grebe, John J., assignor.)

Eyer, Carl. (See Krauch, C., Eyer, and Schliephake.)

Fagerburg, Carl F., Chicago, Ill. Windshield defroster. 2,079,203; May 4.

Farnsworth Television Incorporated. (See Gardner, B. C., and Brolly, assignors.)

Farnsworth Television Incorporated. (See Varian, Russell H., assignor.)

Federmann, Wolfgang. (See Richter, J., Schriever, Schröter, and Federmann.)

Fenstermacher, John D., Piedmont, and B. B. Sumner, Burlingame, Calif. Car underframe. 2,079,552; May 4.

Ferguson, Allan R., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Vehicle tank construction. 2,078,939; May 4.

Fiat Società Anonima. (See Tamini, Mario, assignor.)

Field, Crosby, Brooklyn, N. Y., assignor to Flakice Corporation, Wilmington, Del. Heat exchange apparatus. 2,078,938; May 4.

Finsterbusch, Karl. (See Petty, E., and Finsterbusch.)

Fischer, Emil, Bloomfield, N. J. Manufacturing stockings. 2,079,439; May 4.

Fischer, Franz, and O. Horn, assignors to the firm Studien- und Verwertungs-Gesellschaft m. b. H., Mulheim-on-the-Ruhr, Germany. Production of molded articles by pressing. 2,079,343; May 4.

Fisher, Ralph, New York, N. Y., assignor of one-half to Oregon Worsted Company, Portland, Oreg. Weaving apparatus. 2,079,161; May 4.

Fitch, Clyde J., Jersey City, N. J., assignor to International Business Machines Corporation, New York, N. Y. Communication system. 2,079,440; May 4.

Flakice Corporation. (See Field, Crosby, assignor.)

Flammang, John, University City, P. L. Bowser, St. Louis, and H. Ernst, Pine Lawn, Mo., assignors to The Sterling Corporation, St. Louis, Mo. Trunk piston. 2,079,441; May 4.

Flaten, Gunhild S. (See Potter, Thora G., assignor.)

Fleischhauer, Richard, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Monoazo dyestuffs. 2,079,499; May 4.

Fleming, Russell, administrators et al. (See King, John W., II.)

Flynn & Emrich Company. (See Turner, J. F., and Breidenbaugh, assignors.)

Foos, Caldwell B., Schenectady, N. Y., assignor to General Electric Company. Electrical control circuit. 2,079,500; May 4.

Ford, Robert V., San Francisco, Calif. Safety pin. 2,079,162; May 4.

Forstner Chain Corporation. (See Schoeninger, Adolf O., assignor.)

Foster, Elmer E., Dallas Center, Iowa. Game time indicator. 2,079,204; May 4.

Francisci, Bruno, Rome, Italy. System for recording sound photo-acoustically on cinematograph film. 2,079,115; May 4.

Franklin, Sidney H. (See Griffiths, L., and Franklin.)

Fraser, Alexander W., assignor to National Steel Car Corporation, Limited, Hamilton, Ontario, Canada. Power press. 2,079,553; May 4.

Freydberg, Aaron, Mount Vernon, assignor to Freydberg Bros., Inc., New York, N. Y. Dispensing device. 2,079,005; May 4.

Freydberg Bros., Inc. (See Freydberg, Aaron, assignor.)

Fritz, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Ultra high frequency magnetron discharge tube circuit. 2,079,248; May 4.

Fröding, Olof E., Stockholm, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y. Centrifugal separator bowl. 2,079,006; May 4.

Fuller, Frederick L., West Orange, N. J., and S. Brand, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y. Manually controlled sorting machine. 2,079,442; May 4.

Fulton, Stewart C., Elizabeth, N. J., assignor to Standard Oil Development Company. Treating oil. 2,079,443; May 4.

Fyler, George W., Schenectady, N. Y., assignor to General Electric Company. Operating point control for thermionic devices. 2,079,444; May 4.

Galati, Salvatore, Modesto, and S. S. Sorrenti, Escalon, Calif. Farm implement. 2,079,249; May 4.

Gallagher, Gerald R., and R. M. Brady, Easton, Pa. Antiskid device. 2,079,501; May 4.

Gardner, Bernard C., Philadelphia, Pa., and A. H. Brolly, Palo Alto, Calif., assignors to Farnsworth Television Incorporated. Electron gun. 2,079,163; May 4.

Gardner, Clark E., Osage, Iowa. Semipotted plant package. 2,079,116; May 4.

Garretson, John D., et al., trustees. (See Dalkowitz, Godfrey, assignor.)

Garrett, Albert E. (See Garrett, David H., assignor.)

Garrett, David H., Danville, Va., assignor of one-half to A. E. Garrett, Danville, Va. Warp winding device. 2,079,316; May 4.

Gasoline Products Co. (See Lobo, Walter E., assignor.)

Gasoline Products Company. (See Thomas, Donald L., assignor.)

Gearing, Charles M., Meriden, Conn., assignor to General Motors Corporation, Detroit, Mich. Retarding mechanism. 2,079,284; May 4.

General Aniline Works, Inc. (See Bauer, Wilhelm, assignor.)

General Aniline Works, Inc. (See Fleischhauer, Richard, assignor.)

General Aniline Works, Inc. (See Mueller, J., and Koberle, assignors.)

General Chemical Company. (See Iddings, C., and Simpson, assignors.)

General Electric Company. (See Abbott, Thomas A., assignor.)

General Electric Company. (See Asao, S., and Nagashima, assignors.)

General Electric Company. (See Bousman, Henry W., assignor.)

General Electric Company. (See Champlin, Franklin J., assignor.)

General Electric Company. (See Courtin, Eberhard, assignor.)

General Electric Company. (See Dantsizen, Christian, assignor.)

General Electric Company. (See Foos, Caldwell B., assignor.)

General Electric Company. (See Fyler, George W., assignor.)

General Electric Company. (See Griffiths, L., and Franklin, assignors.)

General Electric Company. (See Grothouse, Frank T., assignor.)

General Electric Company. (See Krause, August L., assignor.)

General Electric Company. (See Phillips, Henry E., assignor.)

General Electric Company. (See Wade, Raymond B., assignor.)

General Motors Corporation. (See Arthur, James L., assignor.)

General Motors Corporation. (See Drew, H., Kennington, Constantine, and Ascough, assignors.)

General Motors Corporation. (See Gearing, Charles M., assignor.)

General Motors Corporation. (See Harry, Gordon W., assignor.)

General Motors Corporation. (See Hunt, John H., assignor.)

General Motors Corporation. (See Lauer, Carleton J., assignor.)

General Motors Corporation. (See Miller, Ralph K., assignor.)

General Motors Corporation. (See Newill, Edward B., assignor.)

General Motors Corporation. (See Wolfe, Merrill P., assignor.)

Georgeson, Franklin T. (See Clary, P. D., and Georgeson.)

Geyer, William O., Bloomfield, N. J. Thermometer for melting point apparatus. 2,079,344; May 4.

Gigger, Walter A., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Cross feed mechanism for grinding machines. 2,079,007; May 4.

Gilbert & Barker Manufacturing Company. (See Logan, J. A., and De Lancey, assignors.)

Gilchrist, Ralph E. (See Haldeman, Albert A., assignor.)

Gillett, Glenn D., Englewood, N. J. Apparatus and method for determining field strength. 2,079,205; May 4.

Gilson Brothers Company. (See Gilson, Michael V., assignor.)

Gilson, Michael V., assignor to Gilson Brothers Company, Fredonia, Wis. Automobile truck. 2,079,345; May 4.

Ginsberg, Morton. (See Levy, S. H., and Ginsberg.)

Glonet, Arthur W., assignor to Boott Mills, Lowell, Mass. Actuating means for harness motion of looms. 2,079,502; May 4.

Glab, William N., assignor to Morrison Brothers Company, Dubuque, Iowa. Relief valve. 2,079,164; May 4.

Glass, Richard J., Columbus, Ohio. Control apparatus for radio receivers. 2,079,445; May 4.

Golden, Harry, assignor to Magna Products Corp., New York, N. Y. Antirattling device for doors. 2,079,346; May 4.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Over-modulation protective device. 2,079,446; May 4.

Goodhart, Robert H. (See Crewdson, Sarah M., assignor.)

Goodman Manufacturing Company. (See Packer, Glenn W., assignor.)

Goodman Manufacturing Company. (See Sloane, William W., assignor.)

Gorrie, Harvard H., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,079,165; May 4.

Goss, Byron C., assignor to United States Ordnance Engineers, Inc., Cleveland, Ohio. Repeating candle. 2,079,008; May 4.

Goss Printing Press Company, The. (See Crafts, Curtis S., assignor.)

Graff, August H. (See Cornell, M. L., Graff, and Bennett.)

Graff, Joseph W., Homewood, and S. J. Spurgeon, assignors of one-third to Southern States Equipment Co., Birmingham, Ala. Voltage regulating equipment. 2,079,206; May 4.

Gray, Herbert C. (See Haupt, William E., assignor.)

Gray Tool Company. (See Yancey, John R., assignor.)

Grean, Alexandre M., Mount Vernon, assignor to A. M. Grean, Jr., Rye, N. Y. Brush holder. 2,079,285; May 4.

Grebe, John J., Midland, assignor to Ewing Development Company, Bay City, Mich. Screen cloth. 2,078,940; May 4.

Green, Alexander M., Jr. (See Green, Alexandre M., assignor.)

Gregg, Earl C., assignor of one-half to S. H. McEvoy, Enid, Okla. Automatically variable cam shaft. 2,079,009; May 4.

Griffiths, Leonard, and S. H. Franklin, Coventry, England, assignors to General Electric Company. Magneto. 2,079,447; May 4.

Grindle Fuel Equipment Co. (See Nielsen, Emanuel H., assignor.)

Grisolia, Lucy, Brooklyn, N. Y., assignor to W. F. Borda. Wreath. 2,079,250; May 4.

Grist, Alpheus C., assignor to H. H. Peck, Sr., Chattanooga, Tenn. Boiler. 2,079,503; May 4.

Gross, John. (See Dean, R. S., and Gross.)

Grote, Irvine W., assignor to The Chattanooga Medicine Co., Chattanooga, Tenn. Topical preparation. 2,079,166; May 4.

Grothouse, Frank T., Fort Wayne, Ind., assignor to General Electric Company. Evaporator. 2,079,448; May 4.

Grunert, Karl. (See Klar, M., and Grunert.)

Gudebrod Bros. Silk Company. (See Gudebrod, Charles B., assignor.)

Gudebrod, Charles B., St. Davids, assignor to Gudebrod Bros. Silk Company, Inc., Philadelphia, Pa. Sewing kit. 2,079,010; May 4.

Guignard, August, Hood River, Oreg. Washing machine. 2,078,941; May 4.

Gumbiner, Robert. (See Murdock, Sidney A., assignor.)

Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Driving and stopping mechanism. 2,078,942; May 4.

Hadler, Bartholdt C. (See Coleman, G. H., and Hadler.)

Hafstad, Carl B., Minneapolis, Minn. Sash lock and ventilating stop. 2,079,167; May 4.

Hallwood, Anthony J., Altrincham, England, assignor to Imperial Chemical Industries Limited. Preparing unsaturated sulphate esters. 2,079,347; May 4.

Halafax Explosives Company. (See Byers, Laud S., assignor.)

Haldeman, Albert A., Seiling, Okla., assignor of one-half to R. E. Gilchrist, Wichita, Kans. Well drilling rig attachment. 2,079,449; May 4.

Hall Laboratories, Inc. (See Hall, Ralph E., assignor.)

Hall, Marchand B., Chicago, Ill., assignor to Cardwell-Westinghouse Company, Chicago, Ill. Draft gear. 2,079,011; May 4.

Hall, Ralph E., Mount Lebanon, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Treatment of pathological affections. 2,078,943; May 4.

Hallwood, Nathan A., Columbus, Ohio. Weighing apparatus for materials undergoing transference. 2,079,402; May 4.

Hammerly, Herman J., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Safety switch. 2,079,286; May 4.

Hann, Albert G., assignor to Detroit Lubricator Company, Detroit, Mich. Valve. 2,079,348; May 4.

Hansley, Virgil L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reduction of acyloins. 2,079,403; May 4.

Hanson, Victor F. (See Jakosky, J. J., and Hanson.)

Harbor Plywood Corporation. (See Welch, Arthur R., assignor.)

Harding, Frank E., assignor to Arlington Mills, Lawrence, Mass. Stop motion for spinning frames. 2,079,012; May 4.

Harrington, Paul J. (See Read, C. L., and Harrington.)

Harris, Charles R., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst preparation. 2,079,404; May 4.

Harris, John R., Berwyn, assignor to Birtman Electric Company, Chicago, Ill. Suction cleaner. 2,079,405; May 4.

Harris, Morton, Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company. Aminochlorodiphenyl derivatives. 2,079,450; May 4.

Harry, Gordon W., Flint, assignor to General Motors Corporation, Detroit, Mich. Oil trap for vacuum pumps. 2,079,406; May 4.

Hart, Henry J., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,079,013; May 4.

Hartford-Empire Company. (See Howard, George E., assignor.)

Hartford-Empire Company. (See Merrill, Donald G., assignor.)

Hartford-Empire Company. (See Wadman, Harold A., assignor.)

Hartmann, Fritz, Dortmund-Horde, assignor, by mesne assignments, to Magnesital Gesellschaft mit beschrankter Haftung, Koln-Mulheim, Germany. Manufacture of chromium ore containing bricks. 2,079,066; May 4.

Haupt, William E., assignor of one-half to H. C. Gray, Philadelphia, Pa. Toy railway switch-throwing mechanism. 2,079,251; May 4.

Hays, Russell R., Wellsville, Kans. Atomizing fan. 2,079,117; May 4.

Hazard, Charles S., assignor to Neptune Meter Company, New York, N. Y. Computing and registering device. 2,079,451; May 4.

Hazell, Eardley, New York, N. Y., H. C. Tingey, Nutley, and C. E. Linscott, Ridgewood, N. J., assignors to United States Rubber Products, Inc., New York, N. Y. Rubber sheet material. 2,079,584; May 4.

Healey, Joseph F., Jr., Bridgeport, Conn., assignor of one-half to C. G. Miller, Jr., Southport, Conn. Electrically controlled power system. 2,079,252; May 4.

Heavens, Fred J. (See Roe, W. C., and Heavens.)

Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Drum brake. 2,079,554; May 4.

Heid, Jacob B., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,079,168; May 4.

Heintz & Kaufman, Ltd. (See Terman, Frederick E., assignor.)

Heitman, Edward, assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,079,349; May 4.

Helle, Earl, assignor of fifty per cent to L. M. McClure, Beardstown, Ill. Sewing machine attachment. 2,079,317; May 4.

Hemmi Seisakusho Co., The. (See Okura, Hisashi, assignor.)

Herbster, George, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio. Heat exchanging apparatus. 2,079,067; May 4.

Herrmann, Willy O., Munich, Germany, assignor to Chemische Forschungsgesellschaft m. b. H., Bavaria, Germany. Production of vinyl formate. 2,079,068; May 4.

Hershberger, Albert, Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Article of manufacture and making same. 2,079,169; May 4.

Herzmark, Nicholas, Paris, France. Engine starting device. 2,079,014; May 4.

Hess, Heinrich O., assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland. Card feeding device. 2,079,407; May 4.

Hesselman Motor Corporation. (See Dillström, Torbjörn V., assignor.)

Hexcel Radiator Company. (See Opitz, Fred M., assignor.)

Hibbert, Harold, Montreal, Quebec, Canada, and W. L. Reinhardt, Shaker Heights, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio. Storage battery plate. 2,079,207; May 4.

Hibbert, Harold, Montreal, Quebec, Canada, and W. L. Reinhardt, Shaker Heights, assignors to Willard Storage Battery Company, Cleveland, Ohio. Storage battery plate and making the same. 2,079,208; May 4.

Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)

Hieber, George E., assignor, by mesne assignments, to The Sprayomatic Products Company, Cincinnati, Ohio. Sprayer for printed sheets. 2,079,287; May 4.

Hillis, David R., Detroit, Mich., assignor to Trabon Engineering Corporation, Cleveland, Ohio. Pump. 2,079,119; May 4.

Hilpman, John H., Springfield Gardens, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 2,079,209; May 4.

Hinde and Dauch Paper Company, The. (See Durkin, Ernest J., assignor.)

Hines, Claude M., Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch controller. 2,079,015; May 4.

Hingst, Rudolf, assignor to Rheinmetall-Borsig Aktiengesellschaft, Berlin-Tegel, Germany. Combined turbine and steam generator. 2,079,118; May 4.

Hobson, Stanley H., Rockford, assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Gas range. 2,079,504; May 4.

Hoffman, Frederick H., Columbus, Ohio. Food compound and making the same. 2,079,288; May 4.

Holecek, Anton L. (See Hrdlicka, J. D., and Holecek.)

Holland Furnace Company. (See De Lin, Martin, assignor.)

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 2,078,944; May 4.

Hönel, Herbert, Vienna, Austria, assignor to H. Reichhold, Detroit, Mich., doing business as Reichhold Chemicals. Phenol-aldehyde condensation products. 2,079,210; May 4.

Hooker, Albert H., B. H. Ritter, and S. F. M. Maclaren, Niagara Falls, assignors to Hooker Electrochemical Company, New York, N. Y. Production of caustic alkali solutions adapted to formation of alkali cellulose and having a uniform catalytic activity. 2,079,120; May 4.

Hooker Electrochemical Company. (See Hooker, A. H., Ritter, and Maclaren, assignors.)

Hookless Fastener Company. (See Reuter, William J., assignor.)

Hopkins, Francis C., Providence, R. I. Tool. 2,079,505; May 4.

Horine, John W., Wilmington, Del. Automobile governor. 2,079,016; May 4.

Horn, Otto. (See Fischer, F., and Horn.)

Horsley, James H., assignor to Shanklin Manufacturing Company, Chicago, Ill. Highway flare. 2,079,170; May 4.

Hosker, Frank P., and R. T. Anderson, Denver, Colo. Automobile identification tag. 2,079,408; May 4.

Houdry, Eugene J., Philadelphia, Pa., assignor to Houdry Process Corporation, Dover, Del. Catalytic materials and process of manufacture. 2,078,945; May 4.

Houdry, Eugene J., Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del. Conversion of hydrocarbons. 2,078,946; May 4.

Houdry, Eugene J., Philadelphia, Pa., assignor to Houdry Process Corporation, Dover, Del. Control of exothermic reactions. 2,078,948; May 4.

Houdry, Eugene J., Philadelphia, Pa., assignor to Houdry Process Corporation, Dover, Del. Control of chemical reactions. 2,078,949; May 4.

Houdry, Eugene J., Rosemont, Pa., assignor to Houdry Process Corporation, Dover, Del. Regenerative contact mass. 2,078,951; May 4.

Houdry, Eugene J., Philadelphia, Pa., and R. C. Lassiat, Woodbury, N. J., assignors to Houdry Process Corporation, Dover, Del. Temperature regulation of converters. 2,078,947; May 4.

Houdry, Eugene J., Philadelphia, Pa., and T. B. Prickett, Woodbury, N. J., assignors to Houdry Process Corporation, Dover, Del. Operation of catalytic converters. 2,078,950; May 4.

Houdry Process Corporation. (See Houdry, Eugene J., assignor.)

Houdry Process Corporation. (See Houdry, E. J., and Lassiat, assignors.)

Houdry Process Corporation. (See Houdry, E. J., and Prickett, assignors.)

Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for making glass. 2,079,555; May 4.

Hrdlicka, John D., and A. L. Holecek, Chicago, Ill., said Holecek assignor to said Hrdlicka. Paper receptacle. 2,079,211; May 4.

Huffman, Conard W., Lynwood, assignor of twenty-five per cent to Van L. Denton, San Gabriel, Calif. Reciprocating gear mechanism. 2,079,171; May 4.

Humblet, Joseph, Brussels, Belgium. Valve. 2,079,212; May 4.

Hunt, John H., assignor to General Motors Corporation, Detroit, Mich. Vacuum-operated brake. 2,079,409; May 4.

Hunter, Hester W., Chicago, Ill., assignor to Kimberly-Clark Corporation, Neenah, Wis. Cleaning device. 2,079,452; May 4.

Hydraulic Brake Company. (See Oliver, Wallace F., assignor.)

Hynes, Dibrell P., Evanston, assignor to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood closure securing means. 2,079,556; May 4.

I. G. Farbenindustrie Aktiengesellschaft. (See Krauch, C., Eyer, and Schliephake, assignors.)

Ice Cream Dispensing Corporation. (See Williamson, Sydney W., assignor.)

Iddings, Carl, Staten Island, N. Y., and G. S. Simpson, Plainfield, N. J., assignors to General Chemical Company, New York, N. Y. Apparatus for heating materials. 2,079,017; May 4.

Imperial Chemical Industries Limited. (See Hallwood, Anthony J., assignor.)

Imperial Chemical Industries Limited. (See Jones, M., Smith, and Stewart, assignors.)

Imperial Chemical Industries Limited. (See McKay, William B., assignor.)

Indicating Fuse Manufacturing Corporation. (See Kauffman, Leroy A., assignor.)

Industrial Improvements Incorporated. (See Kirby, James B., assignor.)

Ingersoll, Stephen L., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Making laminated metal. 2,079,213; May 4.

Ingraham, E., Company, The. (See Poole, Arthur B., assignor.)

International Business Machines Corporation. (See Cunningham, James M., assignor.)

International Business Machines Corporation. (See Ehret, Clement, assignor.)

International Business Machines Corporation. (See Fitch, Clyde J., assignor.)

International Business Machines Corporation. (See Fuller, F. L., and Brand, assignors.)

International Business Machines Corporation. (See Mills, Albert W., assignor.)

International Business Machines Corporation. (See Rabenda, Edward J., assignor.)

International Business Machines Corporation. (See Rast, Frederick Q., assignor.)

International Business Machines Corporation. (See Reppert, Richard v., assignor.)

International Business Machines Corporation. (See Tauschek, Gustav, assignor.)

International Frictionless Brake Corporation. (See Carpenter, Mason P., assignor.)

International-Stacy Corporation. (See Bloss, Richard R., assignor.)

Inter-Outer Telephone Corporation. (See Varley, Richard, assignor.)

Irwin, Haskell, Oklahoma City, Okla. Multiple locking means for automobile doors. 2,079,018; May 4.

Jakosky, John J., Los Angeles, Calif., and V. F. Hanson, Niagara Falls, N. Y., assignors to Electroblacks, Inc., Culver City, Calif. Apparatus for producing carbon-black. 2,079,557; May 4.

James, Ernest R., and S. N. Mehlin, Inglewood, Calif. Bathtub. 2,079,410; May 4.

Jänicke, Hermann, Dessau, assignor to H. Junkers, Munich, Germany, deceased; T. Junkers, née Bennhold, administratrix. Free piston engine. 2,079,289; May 4.

Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Braiding carrier. 2,079,570; May 4.

Japolsky, Nicholas, Highgate, London, England. Electric distant control system. 2,079,253; May 4.

Jencick, Stephen, Chagrin Falls, assignor to Thompson Products, Inc., Cleveland, Ohio. Wheel-suspension device for automobiles. 2,079,290; May 4.

Jenks, Myron D., San Fernando, assignor of one-half to E. Weiss, Los Angeles, Calif. Earth pulverizer. 2,079,506; May 4.

Jennison, Herbert C., Bridgeport, assignor to The American Brass Company, Waterbury, Conn. Welding or filler rod. 2,079,411; May 4.

John, Hanns, Prague, Czechoslovakia. Esters of 2-phenylquinoline-4-carboxylic acids. 2,079,318; May 4.

Johnson Brothers Engineering Corporation. (See Johnson, Harry L., assignor.)

Johnson, Clarence, East Cleveland, Ohio, assignor to Bailey Meter Company. Pressure responsive device. 2,079,069; May 4.

Johnson, Edward S., New Rochelle, N. Y., assignor to The Calco Chemical Co., Inc., Bound Brook, N. J. Catalyst. 2,079,507; May 4.

Johnson, George T. (See Miller, S. L., and Johnson.)

Johnson, George W., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine and element. 2,079,291; May 4.

Johnson, Harry L., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill. Uniflow gas engine. 2,079,571; May 4.

Johnson, Lawrence R., and A. Black, assignors to The Chandler & Price Company, Cleveland, Ohio. Platen printing press. 2,079,172; May 4.

Johnston, William J., assignor to A. S. Lashbrook, London, Ontario, Canada. Gauge for determining camber, caster, and kingpin inclination of automobile wheels. 2,079,070; May 4.

Jones, Floyd J., Overton, Tex., assignor to American Iron & Machine Works Company, Oklahoma City, Okla. Rocker arm. 2,079,254; May 4.

Jones, George S., assignor to Oswego Falls Corporation, Fulton, N. Y. Closure for collapsible paper stock barrels and forming the same. 2,079,292; May 4.

Jones, Maidwyn, W. F. Smith, and A. Stewart, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Pigmented products. 2,079,350; May 4.

Jones, Otis K., St. Louis, Mo. Coin and ticket receptacle. 2,079,255; May 4.

Jordan, Henry, New York, N. Y. Device for reading X-ray films. 2,079,373; May 4.

Judd, H. L., Company. (See Vroom, R. D. W., and Toelle, assignors.)

Judd, Morton F., Stratford, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Endless clutch facing and manufacture of the same. 2,079,173; May 4.

Judelshon, Oscar I., Park Ridge, N. J. Drive belt. 2,079,351; May 4.

Julian, John B., Lincoln, Nebr. Heating or cooling system. 2,079,453; May 4.

Junkers, Hugo. (See Jänicke, Hermann, assignor.)

Junkers, Therese, née Bennhold, administratrix. (See Jänicke, Hermann.)

Justus, Henry W., Napanoch, N. Y. Pilot valve for steam traps. 2,079,412; May 4.

Kaiser, Ernest F., New York, N. Y. Artificial eyelash. 2,079,256; May 4.

Kaiser, John R., Bloomfield, N. J. Pad holder. 2,079,257; May 4.

Kalber, Wilfrid A., Somerville, Mass. Seal for containers. 2,079,319; May 4.

Kalber, Wilfrid A., Somerville, Mass. Seal for containers. 2,079,320; May 4.

Kamket Corporation. (See Amato, Frank, assignor.)

Kamm, Robert A., assignor to The Nofade Electric Corporation, Hartford, Conn. Shunt device. 2,079,174; May 4.

Kaplowitz, Morris, assignor to Mircophone Corporation of America, Brooklyn, N. Y. Optical reproducing device. 2,079,508; May 4.

Karageorgieff, Christoph, Vienna, Austria. Tapping and refill-controlling device for liquid containers. 2,079,121; May 4.

Karwat, Ernst, Grosshesselohe by Munich, Germany, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Enriching blower blast with oxygen. 2,079,019; May 4.

Kauffman, Leroy A., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C. Indicating fuse. 2,079,214; May 4.

Keight, Albert W. (See Whitehead, W., and Keight.)

Keinath, Georg, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Combination of current transformer and measuring condenser. 2,079,071; May 4.

Keith, Claude D., New York, N. Y., assignor of one-half to C. E. Culpeper, Norwalk, Conn. Bottle-carrying carton. 2,079,352; May 4.

Kelvinator Corporation. (See Heitman, Edward, assignor.)

Kemp, Paul D., Portland, Oreg. Directional indicator for motor vehicles. 2,079,175; May 4.

Kenney, Charles R., Brewer, Maine. Raker-tooth gauge. 2,079,215; May 4.

Kennington, William O. (See Drew, H., Kennington, Constantine, and Ascough.)

Kenny, Frederick T. (See Kress, Charles, assignor.)

Kent, Archer W., Washington, D. C. Thermal insulation. 2,079,374; May 4.

Kerr, Samuel L., Philadelphia, Pa., assignor to Baldwin-Southwark Corporation. Cavitation control of hydraulic machines. 2,079,258; May 4.

Kettring, Chauncey B., Montezuma, Ohio. Combination fishing lure. 2,079,509; May 4.

Kiel, John R., assignor to Ripley Corporation, Chicago, Ill. Method of and apparatus for recording sound on the edge of film. 2,079,572; May 4.

Kienle, Roy H. (See Crossley, M. L., Kienle, and Royer.)

Kilstrom, Axel, Cranston, R. I., assignor to Henry Lederer & Bro., Inc. Lighter. 2,079,454; May 4.

Kimberly-Clark Corporation. (See Hunter, Hester W., assignor.)

King, Hiter. (See Patterson, Chester A., assignor.)

King, John W., II, deceased, Plainfield, N. J.; J. W. King, III, and R. Fleming, administrators, assignors to Magor Car Corporation, New York, N. Y. Ballast car. 2,079,322; May 4.

King, John W., III., administrators et al. (See King, John W., II.)

King Powder Company, The. (See Lindsley, Milton F., Jr., assignor.)

King, Rupert L., Wilmington, and H. L. Potter, Hookerton, N. C. Mail box support. 2,079,510; May 4.

Kirby, James B., West Richfield, Ohio, assignor to Industrial Improvements Incorporated, Cleveland, Ohio. Suction sweeper. 2,079,293; May 4.

Klar, Max, Frankfort-on-the-Main, and K. Grunert, Mainz-Membach, assignors to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Concentration of acetic acid. 2,079,511; May 4.

Klein, Louis H., Chicago, Ill. Nose pad guard mounting construction. 2,079,353; May 4.

Kluson, John E., Chicago, Ill. Music stand. 2,079,072; May 4.

Knoll, Fred, Jamaica, N. Y. Disappearing awning arms. 2,079,073; May 4.

Knowles, Dewey D., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vacuum seal. 2,079,354; May 4.

Knox, William. (See Mahoney, Frank H., assignor.)

Knudtson, Vernon E., assignor of one-half to O. J. Boehm, De Forest, Wis. Wash-wringer. 2,079,074; May 4.
Koeberle, Karl. (See Mueller J., and Koeberle.)
Koepke, William F., New York, N. Y., assignor of thirty per cent to A. Berg, New York, N. Y. Portable electric head lamp. 2,079,075; May 4.
Kokotiak, Aleksa B., Chicago, Ill. Work holder for machining operations. 2,079,323; May 4.
Körösy, Franz, Budapest, Hungary. Remedy for regulating the degree of acidity of the gastric juice. 2,079,512; May 4.
Kranich, Henry O., Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Truing apparatus for grinding wheels. 2,079,076; May 4.
Krauch, Carl, Heidelberg, C. Eyer, Ludwigshafen-on-the-Rhine, and O. Schliepbake, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing fertilizers. 2,079,324; May 4.
Krause, August L., Schenectady, N. Y., assignor to General Electric Company. Rolling mill. 2,079,455; May 4.
Kress, Charles, Jamaica, assignor to F. T. Kenny, Brooklyn, N. Y. Vacuum cleaner bag. 2,079,413; May 4.
Kron Company, The. (See Lynch, George, assignor.)
Kyler, Albert H., Westminster, Md. Can labeling machine. 2,079,321; May 4.
Langel, Adrien L., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Baking pan. 2,079,456; May 4.
Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Producing clutch teeth. 2,079,513; May 4.
Larchar, Arthur W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of lactones. 2,079,325; May 4.
Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acid synthesis process. 2,079,216; May 4.
Lashbrook, Albert S. (See Johnston, William J., assignor.)
Laskowitz, Isidor B., Brooklyn, N. Y. Auto-cyclo-giro. 2,079,217; May 4.
Lassiat, Raymond C. (See Houdry, E. J., and Lassiat.)
Lauer, Carleton J., Flint, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Mechanical windshield wiper. 2,079,573; May 4.
Laurisin, Eugene, Youngstown, Ohio. Device for taking blood pressure. 2,079,457; May 4.
Lawton, Thomas W., New Bedford, Mass. Drafting mechanism. 2,079,122; May 4.
Lazier, Wilbur A., Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing alcohols from esters of nonaromatic carboxylic acids. 2,079,414; May 4.
Len, Edward S., Morrisville, Pa., assignor, by mesne assignments, to G. Von Seebeck, New York, N. Y., trustee. Air conditioning apparatus. 2,079,574; May 4.
Lederer, Henry, & Bro., Inc. (See Kilstrom, Axel, assignor.)
Ledwinka, Hans, Koprivnice, Czechoslovakia. Connections of the driving unit to the frame of a motor vehicle. 2,079,218; May 4.
Lee, Charles L., assignor to The National Cash Register Company, Dayton, Ohio. Automatic overdraft device for calculating machines. 2,079,355; May 4.
Leetz, Wilhelm, Zerbst, Germany. Treating sea-ooze. 2,079,514; May 4.
Leichtfuss, Fred, New York, N. Y. Collapsible animal carrier. 2,079,458; May 4.
Lerch, Henry, Jr., et al. (See Roehm, William A., assignor.)
Le Sueur, Ernest A., Ottawa, Ontario, Canada. Apparatus for effecting compound drying. 2,078,952; May 4.
Leuthesser, Fred W., Oak Park, Ill. Producing nipples. 2,079,077; May 4.
Levin, Isaac H., Pittsburgh, Pa. Method and apparatus for cooling a gas. 2,078,953; May 4.
Levin, Michael, Baltimore, Md., assignor of four-tenths to J. T. Basseches, New York, N. Y. Artificial cork and making the same. 2,078,954; May 4.
Levinson, Arthur A., assignor to Wm. J. Strange Co., Chicago, Ill. Preparing decolorized flavoring material from naturally colored vegetable substances. 2,079,415; May 4.
Levy, Sidney H., and M. Ginsberg, assignors of thirty-three and one-third per cent to H. J. Whelan, Baltimore, Md. Shrinking seal applicator. 2,079,326; May 4.
Lewis, Norman H., Rochester, N. Y., and E. G. Berg, Providence, R. I., assignors of one-third to R. Stockman, Providence, R. I. Shaving machine. 2,079,294; May 4.
Libbey-Owens-Ford Glass Company. (See Kranich, Henry O., assignor.)
Ligh, Charles G., New Dorp, N. Y., assignor to Electreporter, Inc. Transcribing apparatus. 2,079,515; May 4.
Lilienfeld, Julius E., Winchester, Mass., assignor, by mesne assignments, to The Magnavox Company, Fort Wayne, Ind. Aluminum electrode and method of preparing. 2,079,516; May 4.
Lind, Louis J., Pittsburgh, Pa. Dowel structure for concrete roadways. 2,079,123; May 4.
Lindsley, Milton F., Jr., assignor to The King Powder Company, Kings Mills, Ohio. Explosive. 2,079,558; May 4.
Line Material Company. (See Schultz, W. O., and Steinmayer, assignors.)
Linn, Robert E., Detroit, Mich. Grille cover. 2,079,327; May 4.
Linotype and Machinery Limited. (See Bower, William M., assignor.)
Linscott, Chester E. (See Hazell, E., Tingey, and Linscott.)
Lipscomb, Gaston J., Montclair, N. J. Apparatus for drying vegetable fiber. 2,078,955; May 4.
Lobo, Walter E., Westfield, N. J., assignor to Gasoline Products Co., Inc., Newark, N. J. Heating hydrocarbon fluids. 2,079,219; May 4.
Lockett, Ralph G., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motor driven devices. 2,079,124; May 4.
Loef, Jakob, Moosburg, Germany. Lifting truck. 2,079,078; May 4.
Logan, Ian M. (See Easter, G. J., McMullen and Logan.)
Logan, Joseph A., Springfield, and W. H. De Lancey, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 2,079,295; May 4.
Lonzo, William, Fitchburg, Mass., assignor to U S Bobbin & Shuttle Co., Manchester, N. H. Bobbin cleaner. 2,079,296; May 4.
Lubben, Henry S., Le Mars, Iowa. Truing device for fruit jar covers. 2,079,020; May 4.
Lukowski, Hermann, assignor to Automatic Eraser Corporation, New York, N. Y. Apparatus for erasing. 2,079,356; May 4.
Lynch, George, New York, N. Y., assignor, by mesne assignments, to The Kron Company, Bridgeport, Conn. Weighing mechanism. 2,079,259; May 4.
Lysholm, Alf, assignor to Aktiebolaget Milo, Stockholm, Sweden. Gas turbine system. 2,078,956; May 4.
Lysholm, Alf, assignor to Aktiebolaget Milo, Stockholm, Sweden. Gas turbine apparatus. 2,078,957; May 4.
Lysholm, Alf., assignor to Aktiebolaget Milo, Stockholm, Sweden. Gas turbine system. 2,078,958; May 4.
M. J. B. Company. (See Bardet, George A., and G. V., assignors.)
Maas, Harvey H., assignor to The Vollrath Co., Sheboygan, Wis. Utensil manufacture. 2,079,126; May 4.
Mac Bean, Thomas L., New York, N. Y. Nonrefillable bottle and unit therefor. 2,079,125; May 4.
MacDonald, William W. (See Cirac, C. P., Cooper, and MacDonald.)
Mac-it-Parts Company. (See Warren, Henry E., assignor.)
MacLaren, Stanley F. M. (See Hooker, A. H., Ritter and MacLaren.)
MacMillan, John H., Jr., Minneapolis, Minn. Building construction. 2,079,461; May 4.
Magna Products Corp. (See Golden, Harry, assignor.)
Magnavox Company, The. (See Lilienfeld, Julius E., assignor.)
Magnesital Gesellschaft mit Beschrankter Haftung. (See Hartmann, Fritz, assignor.)
Magor Car Corporation. (See King, John W., II, assignor.)
Magos, John P. (See Olson, C. A., Magos and McRae.)
Mahoney, Frank H., assignor of one-half to W. Knox, Burlington, Vt. Sportsman's coat. 2,079,220; May 4.
Malcolm, John C., Quincy, and R. F. Symonds, Marblehead, Mass. Indicating mechanism for trawling. 2,079,021; May 4.
Malcom, Robert. (See Whipple, Willis A., assignor.)
Mallory, Bonnie L., Cleveland Heights, Ohio. Connection for burial case handles or the like. 2,079,459; May 4.
Manning, Fowler, Bronxville, assignor to American Radiator Company, New York, N. Y. Filter. 2,079,297; May 4.
Manske, Richard H., Ottawa, Ontario, Canada. Making indolyl-3-acetic acid. 2,079,416; May 4.
Marathon Paper Mills Company. (See Rike, Wilbert A., assignor.)
Marcel, Francois R., Brooklyn, N. Y. Hair waving device. 2,079,079; May 4.
Markley, James H., Ramsey, N. J. Rock drill hood. 2,079,417; May 4.
Marshall, Ralph E. (See Sherman, Edwin, assignor.)
Martin, Henry L., Carmichaels, Pa. Pessary. 2,079,022; May 4.
Martin, Herbert E., Cumberland, Md., assignor to Celanese Corporation of America. Removal of sulphur from acetic anhydride. 2,079,127; May 4.
Martin, Oscar M. (See Schlesinger, B., and Martin.)
Marty, John M., Cleveland, Ohio. Shaft coupling. 2,079,460; May 4.
Matter, Albert J., Park Ridge, assignor to Crane Packing Company, Chicago, Ill. Structural joint. 2,079,575; May 4.

Mauss, Hans, Wuppertal-Barmen, Germany, and F. Mietzsch, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Quarternary acridinium compounds. 2,079,023; May 4.
Maynard, Alaric L. (See Ross, M. E., and Maynard.)
McAdams, Harry, assignor to Nolde and Horst Company, Reading, Pa. Automatic knitting machine for transferring from ribbed to plain knitting. 2,079,298; May 4.
McBean, Douglas M., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Package and forming the same. 2,079,328; May 4.
McCarthy, Francis V. (See Wallace, John E., assignor.)
McCauley, Myron D., Huntington Woods, Mich. Map display mechanism. 2,079,024; May 4.
McClure, Lloyd M. (See Helle, Earl, assignor.)
McCollum, Andrew O., assignor of one-half to O. H. McCollum, Detroit, Mich. Pump. 2,079,375; May 4.
McCollum, Orla H. (See McCollum, Andrew O., assignor.)
McDerment, James H., assignor to The Swartwout Company, Cleveland, Ohio. Ventilator. 2,079,576; May 4.
McDonnell, Francis S., Milton, Mass. Paper package. 2,078,959; May 4.
McEvoy, S. H. (See Gregg, Earl C., assignor.)
McHugh, Frank J., assignor, by mesne assignments, to F. R. Tuerk, Chicago, Ill. Fuse plug. 2,079,462; May 4.
McIlvaine Burner Corporation. (See McIlvaine, John H., assignor.)
McIlvaine, John H., assignor to McIlvaine Burner Corporation, Chicago, Ill. Control valve for oil burners. 2,079,025; May 4.
McIntosh, Alexander M. (See Arndt, Max A., assignor.)
McKay, William B., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of naphthylamine derivatives. 2,078,960; May 4.
McKinlay, Jane, Los Angeles, Calif. Facial appliance. 2,079,128; May 4.
McKissick, William H., Tulsa, Okla. Sheave block. 2,079,299; May 4.
McMullen, Charles. (See Easter, G. J., McMullen and Logan.)
McNally, William P., Glenwood Landing, N. Y. Portable collapsible baby's chair. 2,079,176; May 4.
McQuiston, Horace L., Oklahoma City, Okla., assignor to Phillips Petroleum Company. Sealing-off porous formations in wells. 2,079,517; May 4.
McQuiston, Horace L., Oklahoma City, Okla., assignor to Phillips Petroleum Company. Supporting pipe in well holes. 2,079,518; May 4.
McRae, Malcolm W. (See Olson, C. A., Magos and McRae.)
Mechano Gear Shift Company. (See Richardson, Bayard E., assignor.)
Mehlin, Swan N. (See James, E. R., and Mehlin.)
Meinecke, H., A. G. (See Berger, Alfred, assignor.)
Melind, Louis, Chicago, Ill. Self-inking stamp. 2,079,080; May 4.
Meltzer, Leo A., Seattle, Wash. Theater chair. 2,078,961; May 4.
Membrino, Louis E., Upper Darby, Pa. Container of transparent cellulose film. 2,079,177; May 4.
Mergenthaler Linotype Company. (See Albrecht, Christian A., assignor.)
Mergenthaler Linotype Company. (See Burt, Harold A., assignor.)
Mergenthaler Linotype Company. (See Hilpman, John H., assignor.)
Merrill, Donald G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glassware-lehr construction. 2,079,559; May 4.
Mershon, Ralph D., Greenwich, Conn. Electrolytic apparatus. 2,079,081; May 4.
Meyers, George T., Parkersburg, W. Va. Apparatus for feeding molten glass. 2,079,519; May 4.
Microphone Corporation of America. (See Kaplowitz, Morris, assignor.)
Middleton, Edmund B., New Brunswick, and G. A. Dawson, North Brunswick Township, Middlesex County, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y. Photographic sensitizers. 2,079,376; May 4.
Midland Steel Products Company, The. (See Begg, Russell S., assignor.)
Mietzsch, Fritz. (See Mauss, H., and Mietzsch.)
Miller, Charles G., Jr. (See Healy, Joseph F., Jr., assignor.)
Miller, Harry W., Shanghai, China. Making vegetable milk. 2,078,962; May 4.
Miller, Ralph K., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,079,377; May 4.
Miller, Starks L., and G. T. Johnson, assignor to American Ball-Mill Company, Denver, Colo. Discharge for grinding mills. 2,079,221; May 4.
Miller, Stuart P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Refining crude naphthalene. 2,078,963; May 4.
Miller, Valentin, assignor of one-half to O. C. Nagel, Los Angeles, Calif. Motor vehicle radiator. 2,079,222; May 4.
Miller, William J., Swissvale, Pa. Method of and apparatus for manufacturing pottery ware. 2,079,082; May 4.
Mills, Albert W., East Orange, N. J., assignor, by mesne assignments, to International Business Machines Corporation. Subtracting and totaling device. 2,079,418; May 4.
Mills, James, assignor of one-half to A. H. Perry, Arcola, N. C. Safety cigarette holder. 2,079,520; May 4.
Mills, Kiester J., Louisville, Ky. Charred white oak rack for aging or maturing, clarifying, coloring, and mellowing spirituous liquors, and particularly whisky. 2,079,378; May 4.
Mitchell, Courtney N., Cleveland Heights, Ohio. Method of and apparatus for electric welding. 2,078,964; May 4.
Mitchell, James A., Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated material and making same. 2,079,379; May 4.
Mix, Edwin S., assignor to Hickok Manufacturing Company Inc., Rochester, N. Y. Necktie holder. 2,079,521; May 4.
Moir, John H., Oakland, Calif. Bottle closure. 2,079,026; May 4.
Monsanto Chemical Company. (See Carswell, Thomas S., assignor.)
Monsanto Chemical Company. (See Conover, Courtney, assignor.)
Monsanto Chemical Company. (See Harris, Morton, assignor.)
Montelius, Carl O. J., assignor to Aktiebolaget Imo-Industri, Stockholm, Sweden. Fluid meter. 2,079,083; May 4.
Morris, Harold L., Berkeley, Calif., and F. E. Dayes, Philadelphia, Pa., assignors to American Car and Foundry Motors Company, New York, N. Y. Internal combustion engine. 2,079,357; May 4.
Morris, Harold L., Berkeley, Calif., and F. E. Dayes, Philadelphia, Pa., assignors to American Car & Foundry Motors Company, New York, N. Y. Suspension means for internal combustion engines. 2,079,358; May 4.
Morris, Marion W., Logansport, Ind., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Automatic automobile starting system. 2,079,129; May 4.
Morrison Brothers Company. (See Glab, William N., assignor.)
Mortensen, Oscar J., Superior, Wis. Vehicle window silencer. 2,079,522; May 4.
Morton, William A., and H. F. Spencer, assignors to Amco, Incorporated, Pittsburgh, Pa. Recuperative soaking pit furnace. 2,079,560; May 4.
Mortreux, André V. A., Mulhouse, assignor to Société Alsacienne d' Explosifs (Société à Responsabilité Limitée) à Richwiller, Haut-Rhin, France. Igniter for grenades. 2,079,178; May 4.
Moseley, Alexander W., Evanston, assignor to Sloan Valve Company, Chicago, Ill. Water-flushing device. 2,079,329; May 4.
Mueller, Joachim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone-azine series. 2,079,463; May 4.
Mummert, Harold B., Valparaiso, Ind. Cover for grille-type automobile radiator fronts. 2,079,380; May 4.
Mummert, Harold B., Valparaiso, Ind. External air automobile heater. 2,079,381; May 4.
Munters, Carl G., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,079,419; May 4.
Murdock, Sidney A., assignor to R. Gumbiner, Los Angeles, Calif. Sound motion picture system. 2,079,223; May 4.
Myers, Joseph W., and G. M. Biddinger, assignors, by mesne assignments, to Proctor & Schwartz, Inc., Philadelphia, Pa. Automatic toaster. 2,079,382; May 4.
Myon, Daniel, assignor to Societe d'Etude de Distributeurs Automatiques S. E. D. A., Paris, France. Apparatus for dispensing liquid hydrocarbons. 2,079,027; May 4.
Nagashima, Miyuki. (See Asao, S., and Nagashima.)
Nagel, Otto C. (See Miller, Valentine, assignor.)
National Cash Register Company, The. (See Lee, Charles L., assignor.)
National Malleable and Steel Castings Company. (See Spence, Hubert L., assignor.)
National Steel Car Corporation. (See Fraser, Alexander W., assignor.)
Neal, Ernest C., Roseburg, assignor to Railway Track Joint Corp., Coquille, Oreg. Antirail creeper. 2,078,965; May 4.
Nemec, Joseph, Western Springs, Ill. Door hanger. 2,079,028; May 4.
Neptune Meter Company. (See Hazard, Charles S., assignor.)
Neufeld, Jacob, Philadelphia, Pa. Electric valve converting apparatus. 2,079,084; May 4.
Neureuther, Andrew H., assignor to Western Clock Company, Peru, Ill. Clock. 2,079,029; May 4.
Newill, Edward B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,078,966; May 4.
News Projection Corporation. (See Eitzen, August D., assignor.)

Nielsen, Emanuel H., assignor to Grindle Fuel Equipment Co., Harvey, Ill. Burner for firing furnaces with powdered fuel. 2,079,420; May 4.
Noble, William. (See White, R. A., Noble, and Tumbry.)
Noderer, Lee C., National City, Calif. Highway pilot. 2,079,260; May 4.
Noe, Andrew J., et al. (See Rochm, William A., assignor.)
Nofade Electric Corporation, The. (See Kamm, Robert A., assignor.)
Nolde and Horst Company. (See McAdams, Harry, assignor.)
Norinsberg, Jack, and C. L. Roye, Brooklyn, N. Y. Knockdown fruit crate. 2,079,330; May 4.
North American Rayon Corporation. (See Bley, Rudolph S., assignor.)
Northcutt, Robert T., Cranford, N. J. Powdered food product and method of preparation. 2,079,030; May 4.
Nowosielski, Edward B., Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J. Spark plug. 2,079,561; May 4.
Noyes, Maxwell E., Mount Lebanon, assignor to Aluminum Company of America, Pittsburgh, Pa. Tap clamp. 2,078,967; May 4.
Nunnikhoven, Johannes, assignor to J. A. Carp's Garenfabrieken N. V., Helmond, Netherlands. Printing press for printing on reels and similar rotatory bodies. 2,079,300; May 4.
Nydegger, George C., Berkeley, Calif. Bag. 2,079,523; May 4.
Nyhagen, Barney R., New York, N. Y. Sandal overshoe. 2,079,331; May 4.
Nyhagen, Richard M., Jr., Chicago, Ill. Building construction. 2,079,031; May 4.
O'Brien, Morgan C. McM., Shortlands, England. Apparatus for enciphering and deciphering messages. 2,079,130; May 4.
Ocon, Ernest A., New York, N. Y. Process and apparatus for desulphurization and conversion of oils of different characteristics into lower boiling point hydrocarbon products. 2,079,359; May 4.
Oilgear Company, The. (See Wiedmann, Ernst, assignor.)
Okura, Hisashi, assignor to The Hemmi Seisakusho Co., Tokyo, Japan. Hyperbolic scale rule. 2,079,464; May 4.
Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Ironing machine. 2,079,301; May 4.
Olson, Charles A., J. P. Magos, and M. W. McRae, assignors to Crane Co., Chicago, Ill. Air conditioning unit. 2,079,562; May 4.
O'Mara, Richard F. (See Colby, H. S., and O'Mara.)
Opitz, Fred M., assignor to Hexcel Radiator Company, Milwaukee, Wis. Radiator core. 2,079,032; May 4.
Oregon Worsted Company. (See Fisher, Ralph, assignor.)
Orinsky, Emile. (See Eisenberg, H., and Orinsky.)
Osuch, Francis J., assignor to Robot-Hand Corporation, Detroit, Mich. Ironing device. 2,079,033; May 4.
Oswego Falls Corporation. (See Jones, George S., assignor.)
Overly, Elmer G., Greensburg, Pa. Wire plant support. 2,079,332; May 4.
Packard Motor Car Company. (See Christman, John M., assignor.)
Packer, Glenn W., assignor to Goodman Manufacturing Company, Chicago, Ill. Drive mechanism for shaker conveyers. 2,079,360; May 4.
Page Engineering Company. (See Page, John W., assignor.)
Page, John W., assignor to Page Engineering Company, Chicago, Ill. Chain link. 2,079,384; May 4.
Pardoe, Avern, assignor to E. H. Pardoe, Toronto, Ontario, Canada. Means for gripping golf clubs and other hand gripped devices. 2,079,261; May 4.
Pardoe, Edna H. (See Pardoe, Avern, assignor.)
Parkin, Harry M., Beaufort, N. C. Nonslip ratline clamp. 2,079,034; May 4.
Parks, George J., Rixford, Pa. Stuffing box. 2,079,302; May 4.
Parsons, Ralph M., assignor to The Ralph M. Parsons Company, Mount Vernon, Ohio. Liquid treating vessel and support therefor. 2,079,333; May 4.
Parsons, Ralph M., assignor to The Ralph M. Parsons Company, Mount Vernon, Ohio. Method and apparatus for annealing. 2,079,334; May 4.
Parsons, Ralph M., Company, The. (See Parsons, Ralph M., assignor.)
Parsons, Robert J., Schenectady, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Heating unit circuit breaker. 2,079,577; May 4.
Paschell, Anton H., Des Moines, Iowa. Portable merchandise display rack. 2,079,224; May 4.
Patterson, Chester A., Peekskill, assignor to H. King, New York, N. Y. Building structure. 2,078,968; May 4.
Patterson, Chester A., Peekskill, assignor to H. King, New York, N. Y. House foundation. 2,078,969; May 4.
Patterson, Chester A., Peekskill, assignor to H. King, New York, N. Y. House construction. 2,078,970; May 4.
Peale-Davis Company. (See Davis, Kenneth, assignor.)
Pealer, Robert B., Warren, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Pipeworking machine. 2,079,179; May 4.
Pealer, Robert B., Warren, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Pipe cutting machine. 2,079,180; May 4.
Pealer, Robert B., Warren, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Machine for reaming and beveling pipe. 2,079,181; May 4.
Peavey, Harold F. (See Bauer, L. E., and Peavey.)
Peek, Horace H., Sr. (See Grist, Alpheus C., assignor.)
Perry, Arch H. (See Mills, James, assignor.)
Pestarini, Giuseppe M., Turin, Italy. Power system. 2,079,465; May 4.
Petry, Theodor A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Refining petroleum. 2,079,035; May 4.
Petty, Earl, and K. Finsterbusch, New York, N. Y., assignor, by mesne assignments, to Sun Oil Company, Philadelphia, Pa. Method of chilling solutions. 2,079,182; May 4.
Pfeiffer, Joseph, Pittsfield, Mass. Clothes hanger. 2,079,036; May 4.
Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fish lure. 2,079,335; May 4.
Phillips, Henry E., Schenectady, N. Y., assignor to General Electric Company. Electrical control system. 2,079,466; May 4.
Phillips Petroleum Company. (See McQuiston, Horace L., assignor.)
Picard, René, Villeurbanne, France, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of thread. 2,079,524; May 4.
Pickens, John D., and T. R. Thompson, Flint, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of polishing wax compositions. 2,078,971; May 4.
Piercy, Joseph W. (See Bennett, Joseph A., assignor.)
Pinner, John B., Suffolk, Va. Advertising device. 2,079,303; May 4.
Place, Willard P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 2,079,525; May 4.
Place, Willard P., Wilkinsburg, and P. N. Bossart, assignors to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for communication systems. 2,079,262; May 4.
Polderman, Lambert H., Los Angeles, Calif., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Lemon conditioning and rind curing system. 2,079,304; May 4.
Poole, Arthur B., assignor to The E. Ingraham Company, Bristol, Conn. Vibratory synchronous electric motor. 2,079,421; May 4.
Potter, Herman. (See King, R. L., and Potter.)
Potter, Thomas I., Portland, Oreg. Method of and apparatus for controlling the flow of liquid refrigerant into an expansion system. 2,079,263; May 4.
Potter, Thora G., assignor of one-half to G. S. Flaten, Seattle, Wash. Garter waist. 2,078,972; May 4.
Price, Jacob R., assignor to Price Metal Refining Company, Kansas City, Mo. Producing metallic packing. 2,079,467; May 4.
Price Metal Refining Company. (See Price, Jacob R., assignor.)
Prickett, Thomas B. (See Houdry, E. J., and Prickett.)
Printel Communication Systems, Inc. (See Roe, W. C., and Heavens, assignors.)
Proctor & Schwartz, Inc. (See Myers, J. W., and Bliddinger, assignors.)
Products Company, The. (See Reid, James S., assignor.)
Purdum, Edith, Cincinnati, Ohio. Means for sealing jars. 2,079,526; May 4.
Rabenda, Edward J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,079,422; May 4.
Radecker, Walter, assignor to Firm Ferd Wagner, Pforzheim, Germany. Apparatus for treating materials by salt quenching or annealing baths or galvanic baths. 2,079,037; May 4.
Radio Condenser Comany. (See Weiss, Melvin Y., assignor.)
Radio Corporation of America. (See Barton, Loy E., assignor.)
Radio Corporation of America. (See Burrill, Charles M., assignor.)
Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
Raeth, Curt, and K. W. Rittler, Radebeul, near Dresden, and F. A. Steingroever, Dresden, assignors to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany. Manufacture of phenols. 2,079,383; May 4.
Railroad Accessories Corporation. (See Schlesinger, B., and Martin, assignors.)
Railway Track Joint Corp. (See Neal, Ernest C., assignor.)
Raisch, Charles F., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,079,361; May 4.
Ralston, Anderson W., and V. Conquest, assignors to Armour and Company, Chicago, Ill. Shortening compound and preparing the same. 2,079,336; May 4.

Ralston Purina Company. (See Smith, Herbert J., assignor.)
Ranish, Harry, Los Angeles, Calif. Detachable sediment trap for sinks, etc. 2,079,038; May 4.
Rast, Frederick Q., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Register. 2,079,423; May 4.
Rauen, Carl F., Detroit, Mich. Power transmission mechanism. 2,079,527; May 4.
Raybestos-Manhattan, Inc. (See Judd, Morton F., assignor.)
Raymond Bros. Impact Pulverizer Co. (See Colby, H. S., and O'Mara, assignors.)
Raymond Brothers Impact Pulverizer Company. (See Crites, Joe, assignor.)
Raytheon Manufacturing Company. (See Spencer, Percy L., assignor.)
Raytheon Production Corporation. (See Weeks, Paul T., assignor.)
Razee, Rush, Denver, Colo., assignor to Remington Arms Company, Inc. Firearm. 2,079,039; May 4.
Read, Chester L., Jersey City, and P. J. Harrington, Westfield, N. J., assignors to Standard Oil Development Company. Recovering acid from acid sludges. 2,079,424; May 4.
Reconstruction Finance Corporation. (See Bergman, Charles P., assignor.)
Reconstruction Finance Corporation. (See Hobson, Stanley H., assignor.)
Reichenbach, Howard F., and A. N. Stadalius, assignors to The Chase Companies, Incorporated, Waterbury, Conn. Adjustable holder for lipsticks and the like. 2,079,131; May 4.
Reichhold Chemicals. (See Hönel, Herbert, assignor.)
Reichhold, Helmuth. (See Hönel, Herbert, assignor.)
Reid, James S., Shaker Heights, assignor, by mesne assignments, to The Standard Products Company, Cleveland, Ohio. Window runway or channel. 2,078,973; May 4.
Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Company. Compact bag. 2,079,305; May 4.
Reinhardt, Willard L. (See Hibbert, H., and Reinhardt.)
Reliable Refrigeration Co. (See Appa, Frank, assignor.)
Remington Arms Company. (See Razee, Rush, assignor.)
Renault, Louis. (See Saives, Léon, assignor.)
Rentschler, Harvey C., East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Relay tube. 2,079,362; May 4.
Reppert, Richard V., Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,079,425; May 4.
Reuter, William J., Meadville, Pa., assignor to Hookless Fastener Company. Method and apparatus for coating slide fasteners. 2,079,563; May 4.
Revere Copper and Brass Incorporated. (See Bennett, Irving T., assignor.)
Rheem Manufacturing Company. (See Evans, Llewellyn W., assignor.)
Rheinmetall-Borsig Aktiengesellschaft. (See Hingst, Rudolf, assignor.)
Richardson, Bayard E., assignor to Mechano Gear Shift Company, Grand Rapids, Mich. Clutch. 2,079,528; May 4.
Richardson, Bayard E., assignor to Mechano Gear Shift Company, Grand Rapids, Mich. Control mechanism for change speed gear transmissions. 2,079,529; May 4.
Richter, Johannes, O. Schriever, F. Schröter, and W. Federmann, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron tube. 2,079,085; May 4.
Riesz, Robert R., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulating system. 2,078,974; May 4.
Rike, Wilbert A., Neenah, assignor to Marathon Paper Mills Company, Rothschild, Wis. Bread dummy. 2,079,264; May 4.
Ripley Corporation. (See Kiel, John R., assignor.)
Ritter, Burr H. (See Hooker, A. H., Ritter, and Maclaren.)
Rittler, Karl W. (See Raeth, C., Rittler, and Steingroever.)
Roberts, Russell, Fairhaven, Vt. Sun stall. 2,078,975; May 4.
Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 2,079,040; May 4.
Robot-Hand Corporation. (See Osuch, Francis J., assignor.)
Roe, William C., and F. J. Heavens, Elyria, Ohio, assignors, by mesne assignments, to Printel Communication Systems, Inc., New York, N. Y. Typewriter. 2,079,337; May 4.
Roehm, William A., Lynbrook, assignor to A. J. Noe and H. Lerch, Jr., Richmond Hill, N. Y. Spraying device. 2,079,564; May 4.
Rondelle, Louis G., San Francisco, Calif. Automobile motor attachment. 2,079,183; May 4.
Roos, Carlisle K., Fort Dodge, Iowa, assignor to United States Gypsum Company, Chicago, Ill. Cementitious material. 2,079,338; May 4.
Roos, Carlisle K., Wheaton, Ill., and M. G. Allison, Southard, Okla., assignors to United States Gypsum Company, Chicago, Ill. Machine for mixing plastic material. 2,079,565; May 4.
Ross, John D., Brewer, Maine. Tire chain. 2,079,184; May 4.
Ross, Melvin E., and A. L. Maynard, Los Angeles, Calif. Mail and package sorting and distributing device. 2,079,385; May 4.
Royal Typewriter Company. (See Hart, Henry J., assignor.)
Roye, Charles L. (See Norinsberg, J., and Roye.)
Royer, George L. (See Crossley, M. L., Kienle, and Royer.)
Ryan Coffee Corporation. (See Ryan, W. M., and Bold, assignors.)
Ryan, William M., and J. W. Bold, Brooklyn, assignors to Ryan Coffee Corporation, New York, N. Y. Fluid distribution and control. 2,079,041; May 4.
Sabaneeff, Basil, New York, N. Y. Table. 2,079,225; May 4.
Sager, Solomon M., Glencoe, Ill. Fountain pen. 2,078,976; May 4.
St. Clair, Sheridan C., Los Angeles, Calif. Bottle tap. 2,079,049; May 4.
Saives, Léon, assignor to L. Renault, Billancourt, France. Machine for the electric welding of the side-members of vehicle frames. 2,079,042; May 4.
Samiran, David, Dayton, Ohio. Fluid density responsive device. 2,078,977; May 4.
Sampsel, Arthur V., La Fayette, Ind., assignor to Sears, Roebuck and Company, Chicago, Ill. Mild weather control. 2,079,086; May 4.
Samstag, Louis A., New York, N. Y. Jewelry setting perfume holder. 2,079,043; May 4.
Santmyer, Lewis B., assignor of one-third to J. A. Beck, Pittsburgh, Pa. Fan and fan blade. 2,079,044; May 4.
Sarazin, Raoul R. R., Saint-Prix, France. Means adapted to reduce the torsional oscillations of crankshafts. 2,079,226; May 4.
Sarazin, Raoul R. R., Saint-Prix, France. Means adapted to reduce the torsional oscillations of crankshafts. 2,079,227; May 4.
Schering Corporation. (See Schwenk, E., and Whitman.)
Schirmer, William J., Cleveland, Ohio. Luminous device and method of and apparatus for making the same. 2,079,468; May 4.
Schlaepfer, John J., San Francisco, Calif. Garment retainer. 2,079,045; May 4.
Schlesinger, Benjamin, Flushing, and O. M. Martin, Albany, assignors to Railroad Accessories Corporation, New York, N. Y. Padlock. 2,079,578; May 4.
Schliephake, Otto. (See Krauch, C., Eyer, and Schliephake.)
Schmidt, Erwin J., assignor to Allied Engineering Company, Chicago, Ill. Roller skate. 2,079,185; May 4.
Schmidt, Henry G., Modesto, Calif. Folding box. 2,079,087; May 4.
Schmitter, Bernard A., Rahway, N. J. Applicator device. 2,079,469; May 4.
Schoeninger, Adolf O., Irvington, N. J., assignor to Forstner Chain Corporation. Key ring construction. 2,079,046; May 4.
Schofer, Karl, Birkenfeld, assignor to F. Doppenschmitt, Pforzheim, Germany. Method for the production of band for ornamental and useful purposes. 2,079,386; May 4.
Schottenfels, Monroe, New York, N. Y. Supporting garment. 2,079,426; May 4.
Schrauth, Walther, Berlin-Dahlem, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland. Unsaturated esters and sulphates thereof. 2,079,228; May 4.
Schrauth, Walther, Berlin-Dahlem, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland. Pigment paste for carbon papers, typewriter ribbons, and stencil sheets. 2,079,229; May 4.
Schriever, Otto. (See Richter, J., Schriever, Schröter, and Federmann.)
Schröter, Fritz. (See Richter, J., Schriever, Schröter, and Federmann.)
Schulman, Solomon, New York, N. Y. Mop wringer. 2,079,186; May 4.
Schultz, William O., South Milwaukee, and A. G. Steinmayer, assignors to Line Material Company, South Milwaukee, Wis. Housed type of repeating drop-out fuse. 2,079,047; May 4.
Schwenk, Erwin, Montclair, N. J., and B. Whitman, New York, N. Y., assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J. Obtaining hormone-like ketonic substances. 2,078,978; May 4.
Sears, Roebuck and Company. (See Sampsel, Arthur V., assignor.)
Seguy, Jean D., Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,079,187; May 4.
Servel, Inc. (See Munters, Carl G., assignor.)
Service Devices, Incorporated. (See Shively, John J., assignor.)
Severy, Victor H., Los Angeles, Calif., assignor to Creative Industries, Inc. Magnetic control apparatus for musical instruments. 2,078,979; May 4.

Seward, Gray S., High Point, N. C. Corn harvester. 2,079,530; May 4.
Shanklin Manufacturing Company. (See Horsley, James H., assignor.)
Sharitz, Greek L., Wytheville, Va. Auxiliary moldboard. 2,079,531; May 4.
Shefras, Philip. (See Brenner, Bernard W., assignor.)
Sheppard, William F., Chicago, Ill. Electric lighting device. 2,079,532; May 4.
Sherman, Edwin, assignor to R. E. Marshall, Alton, Ill. Container. 2,079,188; May 4.
Shively, John J., assignor, by mesne assignments, to Service Devices, Incorporated, New York, N. Y. Illuminated sign. 2,079,230; May 4.
Shively, Robert R., Washington, Pa., assignor to B. F. Drakenfeld & Co., Inc., New York, N. Y. Opaque vitreous enamel composition. 2,079,339; May 4.
Shoemaker, Bernard H. (See Sullivan, F. W., Jr., Shoemaker, and Taylor.)
Shrode, John L., assignor to Alco Valve Co., Inc., Maplewood, Mo. Valve for a refrigeration system. 2,079,579; May 4.
Sickmiller, Benton G., Mansfield, Ohio. Golf tee. 2,079,387; May 4.
Siegel, Joseph, Brooklyn, N. Y. Coin controlled gasoline filling station. 2,079,427; May 4.
Siemens & Halske, Aktiengesellschaft. (See Kelnath, Georg.)
Simpson, Delbert. (See Simpson, Jesse J., F. M., and D.)
Simpson, Frank M. (See Simpson, Jesse J., F. M., and D.)
Simpson, George S. (See Iddings, C., and Simpson.)
Simpson, Jesse J., F. M., and D., Jackson, Calif. Starter-steel guide for air drilling tools. 2,079,189; May 4.
Skinner Purifiers Inc. (See Williams, P., and Brazel, assignors.)
Skriwan, Emil, Vienna, Austria. Needle for taking up dropped stitches. 2,079,306; May 4.
Sloan Valve Company. (See Moseley, Alexander W., assignor.)
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,079,428; May 4.
Sloman, Cheri M., Detroit, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Method and apparatus for testing tires. 2,079,585; May 4.
Slyder, Merrill, Philadelphia, Pa. Streamline rail joint. 2,079,533; May 4.
Smith, Donald L. J., assignor to G. F. Smith, Long Beach, Calif. Carburetor for low grade hydrocarbons. 2,079,363; May 4.
Smith, Franklin S., New Haven, Conn. Condenser construction. 2,079,231; May 4.
Smith, George F. (See Smith, Donald L. J., assignor.)
Smith, Herbert J., University City, Mo., assignor to Ralston Purina Company, St. Louis, Mo. Food product. 2,079,340; May 4.
Smith, Hinsdale, Springfield, Mass. Convertible automobile body. 2,079,232; May 4.
Smith, S. Morgan, Company. (See Young, Arthur, assignor.)
Smith, Walter F. (See Jones, M., Smith, and Stewart.)
Société Alsacienne d'Explosifs (Société à Responsabilité Limitée) à Richwiller. (See Mortreux, André V. A., assignor.)
Societe d'Etude de Distributeurs Automatiques S. E. D. A. (See Myon, Daniel, assignor.)
Socony-Vacuum Oil Company. (See Ellis, Clifford A., assignor.)
Socony-Vacuum Oil Company. (See Petry, Theodor A., assignor.)
Sola, Joseph G., Oak Park, Ill. Electric starting system for internal combustion engines. 2,078,980; May 4.
Sorrenti, Sandy S. (See Galati, S., and Sorrenti.)
Southern States Equipment Co. (See Graff, J. W., and Spurgeon, assignors.)
Spence, Hubert L., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Draft gear. 2,079,088; May 4.
Spencer, Howard F. (See Morton, W. A., and Spencer.)
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Arc welding shield. 2,079,048; May 4.
Sprayomatic Products Company, The. (See Hieber, George E., assignor.)
Spurgeon, Samuel J. (See Graff, J. W., and Spurgeon.)
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon soles. 2,078,981; May 4.
Stadalius, Albert N. (See Reichenbach, H. F., and Stadalius.)
Staley, Harrison L., Martinsville, Ind. Cutter for tube cleaners. 2,079,190; May 4.
Standard Oil Company. (See Atwell, Harold V., assignor.)
Standard Oil Company. (See Sullivan, F. W., Jr., Shoemaker, and Taylor, assignors.)
Standard Oil Development Company. (See Blau, L. W., and Statham, assignors.)
Standard Oil Development Company. (See Cannon George E., assignor.)
Standard Oil Development Company. (See Fulton, Stewart C., assignor.)
Standard Oil Development Company. (See Read, C. L., and Harrington, assignors.)
Stark, Horace, Washington, D. C. Device for use in connection with operation of aircraft. 2,078,982; May 4.
Statham, Louis. (See Blau, L. W., and Statham.)
Stathem, Vereau L., Riverdale, Calif. Bag or sack holder. 2,079,132; May 4.
Steindler, Leslie L., et al. (See Waters, Charles B., assignor.)
Steingroever, Friedrich A. (See Raeth, C., Rittler, and Steingroever.)
Steinmayer, Alwin G. (See Schultz, W. O., and Steinmayer.)
Sterling Corporation, The. (See Flammang, J., Bowser, and Ernst, assignors.)
Stewart, Alexander. (See Jones, M., Smith, and Stewart.)
Stewart, Clarence R. G., La Grange, Ill. Dispensing device. 2,079,364; May 4.
Stewart-Warner Corporation. (See Raisch, Charles F., assignor.)
Stinnes, Hanns H., Berlin, Germany. Machine with swash ring drive. 2,079,050; May 4.
Stockman, Robert. (See Lewis, N. H., and Berg, assignors.)
Stoker, Paul P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control apparatus. 2,079,534; May 4.
Strange, Wm. J., Co. (See Levinson, Arthur A., assignor.)
Strauch & Hoffman, Messrs., et al. (See Waters, Charles B., assignor.)
Studien- und Verwertungs-Gesellschaft m. b. H. (See Fischer, F., and Horn, assignors.)
Sullivan, Frederick W., Jr., and B. H. Shoemaker, Hammond, Ind., and K. Taylor, assignors to Standard Oil Company, Chicago, Ill. Lubricating oil. 2,079,051; May 4.
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Sumner, Bowater B. (See Fenstermacher, J. D., and Sumner.)
Sun Oil Company. (See Banks, D. B., and Barton, assignors.)
Sun Oil Company. (See Petty, E., and Finsterbusch, assignors.)
Superheater Company, The. (See Brandt, Carl A., assignor.)
Swallen, Lloyd C., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of mono-methyl amine. 2,079,580; May 4.
Swartwout Company, The. (See McDerment, James H., assignor.)
Symonds, Ralph F. (See Malcom, J. C., and Symonds.)
Tamini, Mario, Milan, assignor to Fiat Società Anonima, Turin, Italy. Cover for refuse receptacles. 2,079,052; May 4.
Tauschek, Gustav, Vienna, Austria, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Device for interpreting punched cards. 2,079,429; May 4.
Taylor, Kenneth. (See Sullivan, F. W., Jr., Shoemaker, and Taylor.)
Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of threads and the like. 2,079,133; May 4.
Teho, William A., Anthony, R. I., assignor to Draper Corporation, Hopedale, Mass. Shuttle for looms. 2,079,535; May 4.
Technicolor Motion Picture Corporation. (See Tuttle, Bertha S., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Fritz, Karl, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Richter, J., Schriever, Schröter, and Federmann, assignors.)
Terman, Frederick E., Stanford University, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Oscillating radio receiver. 2,079,134; May 4.
Tetziaff, Benjamin A. (See Vaver, Walter, assignor.)
Textile Machine Works. (See Janssen, Henry, assignor.)
Thiberge, Paul L. A., Nanterre, France. Process and apparatus for mixing and emulsifying liquids. 2,078,983; May 4.
Thomas, Albert G., Lynchburg, Va. Filter. 2,079,365; May 4.
Thomas, Albert G., Lynchburg, Va. Filter. 2,079,366; May 4.
Thomas, Donald L., New York, N. Y., assignor to Gasoline Products Company, Incorporated, Newark, N. J. Heating apparatus and method. 2,079,191; May 4.
Thompson Products, Inc. (See Jencick, Stephen, assignor.)
Thompson, Theodore R. (See Pickens, J. D., and Thompson.)
Thurber, William G., Santa Monica, Calif. Steering mechanism for motor vehicles. 2,079,536; May 4.
Tingey, Harold C. (See Hazell, E., Tingey, and Linscott.)
Toelle, Walter H. (See Vroom, R. D. W., and Toelle.)
Torbert, John E., Jr., National City, Calif. Novelty. 2,079,053; May 4.
Tower Company, The. (See Anderson, Roger, assignor.)

Trabon Engineering Corporation. (See Hillis, David R., assignor.)
Trainer, James E., Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Welding. 2,079,265; May 4.
Tringa, Anna, Oakville, Conn. Mop attachment. 2,079,367; May 4.
Truex, Harley C., and L. O. Brown, Columbus, Ind. Poultry scalding machine. 2,079,307; May 4.
Trumbull Electric Manufacturing Company, The. (See Du Bois, Kenneth W., assignor.)
Trumbull Electric Manufacturing Company, The. (See Hamnerly, Herman J., assignor.)
Tuerk, Fred R. (See McHugh, Frank J., assignor.)
Tumbry, Nicholas. (See White, R. A., Noble, and Tumbry.)
Turner, James F., and C. P. Breidenbaugh, assignors to Flynn & Emrich Company, Baltimore, Md. Stoker motor control. 2,079,135; May 4.
Tuttle, Bertha S., West Newton, Mass., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Making imbibition films. 2,079,470; May 4.
U S Bobbin & Shuttle Co. (See Lonzo, William, assignor.)
"Unichem" Chemikalien Handels A.-G. (See Schrauth, Walther, assignor.)
Union Carbide and Carbon Corporation. (See Karwat, Ernst, assignor.)
Union Special Machine Company. (See Christensen, Norman V., assignor.)
Union Switch & Signal Company, The. (See Hines, Claude M., assignor.)
Union Switch & Signal Company, The. (See Place, Willard P., assignor.)
Union Switch & Signal Company, The. (See Place, W. P., and Bossart, assignors.)
Union Switch & Signal Company, The. (See Stoker, Paul P., assignor.)
United Aircraft Corporation. (See Beisel, Rex B., assignor.)
United Shoe Machinery Corporation. (See Blanchard, Benjamin B., assignor.)
United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)
United Shoe Machinery Corporation. (See Robinson, Charles A., assignor.)
United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)
United States Gypsum Company. (See Roos, Carlisle K., assignor.)
United States Gypsum Company. (See Roos, C. K., and Allison, assignors.)
United States Ordnance Engineers, Inc. (See Goss, Byron C., assignor.)
United States Rubber Company. (See Sloman, Cheri M., assignor.)
United States Rubber Products, Inc. (See Cobb, Henry Z., assignor.)
United States Rubber Products, Inc. (See Hazell, E., Tingey, and Linscott, assignors.)
Universal Oil Products Company. (See Barnes, John B., assignor.)
Universal Oil Products Company. (See de Rachat, Nicholas G., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Oil Products Company. (See Heid, Jacob B., assignor.)
Universal Oil Products Company. (See Seguy, Jean D., assignor.)
Unseld, John M., Elizabeth, N. J. Traction wheel. 2,079,471; May 4.
Untener, Andrew C., Detroit, Mich. Hockey game board. 2,079,136; May 4.
Upshaw, Lucius F., Jr., Pasadena, Calif. Rotary engine. 2,079,192; May 4.
Vadasz, Etienne, Sainte-Croix, Switzerland. Door brake. 2,079,054; May 4.
Varian, Russell H., San Francisco, Calif., assignor to Farnsworth Television Incorporated. Fluid cooled tube. 2,079,137; May 4.
Varley, Richard, St. George, N. Y., assignor to Inter-Outer Telephone Corporation, Dover, Del. Inter-outer telephone system. 2,079,089; May 4.
Varley, Thomas W., New York, N. Y. Electrical measuring instrument. 2,079,472; May 4.
Vaver, Harriet, administratrix. (See Vaver, Walter.)
Vaver, Walter, Cicero, Ill., assignor of one-half to B. A. Tetziaff, Riverside, Ill., H. Vaver, administratrix of Walter Vaver, deceased. Gun sight. 2,079,266; May 4.
Veror, William H., Detroit, Mich. File for newspapers and periodicals. 2,079,388; May 4.
Visco Meter Corporation. (See Eckstein, George R., assignor.)
Vollrath Co., The. (See Maas, Harvey H., assignor.)
von Gruber, Otto, assignor to the firm Carl Zeiss, Jena, Germany. Camera bearing in apparatus for photogrammetrically plotting oblique photographs taken from aircraft. 2,079,090; May 4.
Von Seebeck, George. (See Lea, Edward S., assignor.)
Vroom, Robert D. W., and W. H. Toelle, Wallingford, Conn., assignors to H. L. Judd Company, Inc., New York, N. Y. Curtain rod. 2,079,267; May 4.
Wachsman, Jacob, Brooklyn, N. Y. Yarn controlling device for knitting machines. 2,079,341; May 4.
Wade, Raymond B., Swampscott, Mass., assignor to General Electric Company. Nozzle diaphragm and the like and making the same. 2,079,473; May 4.
Wadman, Harold A., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for controlling temperature. 2,079,566; May 4.
Wagner, Firm Ferd. (See Radecker, Walter, assignor.)
Wallace, John E., Foxboro, assignor, by mesne assignments, to F. V. McCarthy, Lynn, Mass. Sprinkler system. 2,079,368; May 4.
Walsh, James A., West Haven, Conn., assignor to The Armstrong Rubber Company, Inc. Pneumatic tire casing. 2,079,091; May 4.
Walsh, Thomas A., Bronxville, N. Y. Dust and fume sampler. 2,079,474; May 4.
Walton, Ernest B., Palm Beach, Fla. Composite roofing tile. 2,079,308; May 4.
Wappler, Frederick C., New York, N. Y. Telescopic instrument. 2,079,233; May 4.
Ward, Marshall H., Fairfield, assignor, by mesne assignments, to Bridgeport Thermostat Company, Inc., Bridgeport, Conn. Device for exhausting and sealing bellows and the like. 2,079,055; May 4.
Warren, Henry E., assignor to Mac-It-Parts Company, Lancaster, Pa. Making cap-screws. 2,079,056; May. 4.
Waters, Charles B., deceased, by J. K. Waters, administratrix, Montclair, assignor of thirty-seven and one-half per-cent to L. L. Steindler, Mamaroneck, N. Y., and twenty-five per-cent to Messrs. Strauch & Hoffman, Washington, D. C. Method and apparatus for starting motors. 2,079,092; May 4.
Waters, Julia K., administratrix. (See Waters, Charles B.)
Weather-Seal Company, The. (See Etling, Harold A., assignor.)
Weeks, Paul T., Cambridge, assignor to Raytheon Production Corporation, Newton, Mass. Thermionic cathode. 2,079,057; May 4.
Weiss, Edward. (See Jenks, Myron D., assignor.)
Weiss, Henry G., Cincinnati, Ohio. Photoelectric sound apparatus. 2,079,537; May 4.
Weiss, Melvin V., Haddonfield, assignor to Radio Condenser Company, Camden, N. J. Temperature compensating condenser. 2,079,309; May 4.
Welch, Arthur R., assignor to Harbor Plywood Corporation, Hoquiam, Wash. Dowel making machine. 2,079,093; May 4.
Welsh, Bert T., Milwaukee, Wis. Cooling and dispensing device. 2,079,342; May 4.
Wemp, Ernest E., Detroit, Mich. Clutch plate structure. 2,079,389; May 4.
Western Clock Company. (See Neureuther, Andrew H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ashbaugh, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Knowles, Dewey D., assignor.)
Westinghouse Electric and Manufacturing Company. (See Rentschler, Harvey C., assignor.)
Wettlaufer, William L., Buffalo, N. Y. Antiskid device. 2,079,235; May 4.
Wheeler, Harold R., and G. W. Dress, Harrisburg, Pa. Anchor bolt. 2,079,538; May 4.
Whelan, Howard J. (See Levy, S. H., and Ginsberg, assignors.)
Whipple, Willis A., Camp Lake, Wis., assignor to R. Malcolm, Chicago, Ill. Respirator facepiece. 2,079,581; May 4.
Whipple, Willis A., Camp Lake, Wis., assignor to Robert Malcom, Chicago, Ill. Respirator facepiece. 2,079,582; May 4.
White, Robert A., W. Noble, and N. Tumbry, East Chicago, Ind. Centrifugal switch. 2,079,539; May 4.
Whitehead, William. (See Dreyfus, C., and Whitehead.)
Whitehead, William, and A. W. Keight, Cumberland, Md., assignors to Celanese Corporation of America. Apparatus for opening staple fibers. 2,079,094; May 4.
Whitman, Bradley. (See Schwenk, E. and Whitman, assignors.)
Wichert Continuous Bridge Corporation, The. (See Wichert, Ernest M., assignor.)
Wichert, Ernest M., Wilkinsburg, assignor to The Wichert Continuous Bridge Corporation, Pittsburgh, Pa. Bridge construction. 2,079,095; May 4.
Wiedmann, Ernest, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 2,079,268; May 4.
Wigen, Louis B., Minneapolis, Minn. Sanitary fruit pick. 2,079,193; May 4.
Wilhjelm, Christian, assignor to Automatic Temperature Control Co. Inc., Philadelphia, Pa. Controlling system for regulators. 2,079,497; May 4.
Willard Storage Battery Company. (See Hibbert, H., and Reinhardt, assignors.)
Williams, David S., Portland, Oreg. Drain. 2,079,269; May 4.
Williams, Frederick W., Honolulu, Hawaii. Fastening device. 2,079,194; May. 4.

Williams, Paul, and F. W. Brazel, assignors to Skinner Purifiers Inc., Detroit, Mich. Fuel oil filter construction. 2,079,475; May 4.
Williamson, Sydney W., Dayton, Ohio, assignor to Ice Cream Dispensing Corporation. Package dispensing apparatus. 2,078,984; May 4.
Wilson, Earle, Chicago, Ill., assignor to The American Oak Leather Co., Cincinnati, Ohio. Leather flexing machine. 2,079,270; May 4.
Wilson, Selma J., Santa Monica, Calif. Chin molder. 2,079,696; May 4.
Winans, Daniel M., Binghamton, N. Y. Work holding and safety device for paper cutting machines. 2,079,390; May 4.
Winkleman, Edward J., Oakmont, Pa. Vibratory classifier. 2,079,059; May 4.
Winkler, Louis H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Machineable steel and articles formed therefrom. 2,079,058; May 4.
Winn, Elisha S., Fitzgerald, Ga. Outdoor battery brooder window. 2,079,138; May 4.
Winthrop Chemical Company. (See Mauss, H., and F. Mietzsch, assignors.)
Wittliff, Theodore H., Cleveland, Ohio. Brace for articles of furniture. 2,078,985; May 4.
Wolfe, Merrill P., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Resilient engine mounting. 2,079,391; May 4.
Wolff, Lise, née Saling, Berlin-Grunewald, Germany. Traveling or lady's handbag. 2,079,476; May 4.
Wolfskill, John M., Erie, Pa. Piezoclectric crystal apparatus. 2,079,540; May 4.
Wood, Morris B., assignor to The Chase-Shawmut Company, Newburyport, Mass. Electric fuse and fuse terminals. 2,079,097; May 4.
Woof, James H., Los Angeles, Calif. Pocket receptacle and trim. 2,079,139; May 4.
Woolley, William J., Chicago, Ill. Automatic water feeding device. 2,079,098; May 4.
Wright, Wilson D. C., Princeton, N. J. Electric connecter and receptacle therefor. 2,079,234; May. 4.
Yale & Towne Manufacturing Company, The. (See Brauning, Karl A., assignor.)
Yancey, John Richard, assignor to Gray Tool Company, Houston, Tex. Combination valve and choke. 2,079,195; May 4.
Yarbrough, Harold C., Brea, Calif. Formation tester. 2,079,140; May 4.
Yost, Winfield H., Montreal, Quebec, Canada. Dump car. 2,079,392; May 4.
Young, Arthur, assignor to S. Morgan Smith Company, York, Pa. Maintaining a constant flow of water in the tailrace of a hydraulic turbine installation. 2,079,060; May 4.
Young, Briant S., Los Angeles, Calif. Light ray projector. 2,078,986; May 4.
Youngstown Steel Door Company, The. (See Eklind, Carl E., assignor.)
Zahodiakin, Victor F., New York, N. Y. Tobacco pouch. 2,079,141; May 4.
Zeiss, Carl. (See von Gruber, Otto, assignor.)
Zipf, Frederick W., Newark, N. J. Marking tool. 2,079,236; May 4.
Zublin, John A., Los Angeles, Calif. Bearing assembly for drilling tools. 2,079,142; May 4.
Zuckerman, Roscoe C., Stockton, Calif. Mixing and distributing fertilizers. 2,079,061; May 4.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cigar-wrapping mechanism. J. F. Halstead. 20,355; May 4.
Fuse construction. H. K. Watson. 20,354; May 4.
Jack, Hydraulic. E. M. Pfauser. 20,350; May 4.
Lock structure, Automobile. F. A. Smith. 20,352; May 4.
Metals by electromagnetic forces, Treatment of. W. W. Hoke. 20,349; May 4.
Motor control system. L. A. Umansky. 20,353; May 4.
Picture projector, Motion. A. Callier and F. Heger. 20,346; May 4.
Tire deflation indicator. G. B. Rodney. 20,351; May 4.
Tube, Luminous. J. E. Gross. 20,347; May 4.
Welding machine. Le R. H. Hoffer. 20,348; May 4.

LIST OF DESIGN INVENTIONS

Antenna, Automobile. R. P. Schiffmann. 104,382; May 4.
Board, Game. E. Beickert. 104,364; May 4.
Book end or similar article. M. D. Smith. 104,413; May 4.
Bottle. I. M. Bocklage. 104,339; May 4.
Bottle. W. Fehr. 104,396; May 4.
Bottle. P. G. Lloyd. 104,351; May 4.
Bottle and stand, Combination perfume. J. Sudbeaz. 104,384; May 4.
Bottle or similar article, Cologne. L. Lelong. 104,350; May 4.
Bottle or similar article, Perfume. J. S. Stein. 104,414; May 4.
Bowl or similar article. J. E. Duncan, 3rd, and R. A. May. 104,343; May 4.
Bracket for a steering wheel turning knob. W. H. Snow. 104,428; May 4.
Brassière. W. Rosenthal. 104,407–8; May 4.
Burner, Oil. E. J. Lattner. 104,378; May 4.
Candelabrum. S. W. Farber. 104,345–6; May 4.
Candelabrum. S. W. Farber. 104,372; May 4.
Card, Photo mount. O. Gross. 104,376; May 4.
Case, Vanity. L. A. Samstag. 104,358; May 4.
Casing, Coffee mill. D. A. Meeker. 104,423; May 4.
Casing for suction cleaners or similar articles. H. Dreyfuss. 104,344; May 4.
Casket bier or similar article. W. E. Klever. 104,403; May 4.
Chair. E. Galante. 104,375; May 4.
Container for lead pencils or the like. W. Friedlaender. 104,348; May 4.
Container, Metal. M. H. Connor. 104,341; May 4.
Control device for phonographs. R. Patten. 104,424; May 4.
Cover, Socket. F. M. Gaul. 104,399; May 4.
Cup, Candelabrum. S. W. Farber. 104,347; May 4.
Dress. H. Berry. 104,388; May 4.
Dress. E. T. Romaine. 104,406; May 4.
Dress. I. A. Winter. 104,420; May 4.
Dress ensemble. F. Safian. 104,409; May 4.
Dress ensemble. H. T. Schakne. 104,410; May 4.
Dress, Knitted two-piece. D. Rheinauer. 104,405; May 4.
Drinking-vessel. L. A. Leppke. 104,379; May 4.
Fabric, Embroidered textile. I. J. Shorser. 104,426–7; May 4.
Fabric, Knitted. J. Minoff. 104,352–7; May 4.
Fabric, Textile. P. L. Cherry. 104,340; May 4.
Fabric, Textile. M. D. Kornfeld. 104,402; May 4.
Fabric, Textile. M. Turpan. 104,415; May 4.
Fan, Electric. G. Graff and A. O. Samuels. 104,400; May 4.
Game device, Horseshoe. R. Apichell. 104,361; May 4.
Generator, Magneto-electric. LeR. S. Dunham and A. F. Robertson. 104,368–71; May 4.
Hat. I. B. Simon. 104,411; May 4.
Holder for labels or the like. E. H. Arens. 104,387; May 4.
Holder or the like, Recessed soap. J. R. Smith, Sr. 104,359; May 4.
Lace. J. Waterfield. 104,417; May 4.
Lamp. J. Forbes. 104,373–4; May 4.
Lamp. R. W. Simpson. 104,412; May 4.
Lamp and smoker's stand, Combined. J. Forbes. 104,397–8; May 4.
Lamp, Wall bracket. E. Kanter. 104,401; May 4.
Lighting fixture. E. F. Sibbert. 104,383; May 4.
Lighting fixture, Ceiling. R. G. Cowan. 104,365–7; May 4.
Locomotive. C. J. Scudder. 104,425; May 4.
Meat tenderer. C. H. Wagner. 104,360; May 4.
Muddler. O. M. Price. 104,381; May 4.
Ornament or similar article, Shoe. P. F. Ashton. 104,337–8; May 4.
Rack for beer-foam scrapers. L. Poglein. 104,380; May 4.
Rack for bread or similar article, Display. E. R. Erickson. 104,395; May 4.
Rack, Wire door. H. R. Wall. 104,385; May 4.
Ring, Cocktail. S. Barth. 104,363; May 4.
Ring, Finger. L. P. Heberger. 104,349; May 4.
Ring, Key. J. F. Allison. 104,386; May 4.
Ring or similar article of jewelry. F. P. Kinsley. 104,422; May 4.
Roaster, Electric. G. R. Coss. 104,394; May 4.
Rug. G. J. Kluyskens. 104,404; May 4.
Signal, Stop light. C. J. Kern. 104,421; May 4.
Stretcher, Fur. R. Binder. 104,389; May 4.
Sundial. R. W. Anderson. 104,336; May 4.
Sweeper, Carpet. F. Williams. 104,419; May 4.
Sweeper shell, Carpet. F. Williams. 104,418; May 4.
Table. W. H. Bond, Jr. 104,390; May 4.
Thermometer. R. C. Wappner. 104,416; May 4.
Toy wheelbarrow. A. L. Chetlain. 104,393; May 4.
Truck body. W. E. Attaway, Sr. 104,362; May 4.
Tumbler or similar article. J. E. Duncan, 3rd, and R. A. May. 104,342; May 4.
Vehicle body, Trailer tank. J. M. Kramer, H. A. Mullin, and W. H. Graves. 104,377; May 4.
Wall pocket. M. Caplan. 104,391–2; May 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. J. M. Cunningham. 2,079,434; May 4.
Accuracy regulator. C. P. Bergman. 2,079,197; May 4.
Acid, Concentration of acetic. M. Klar and K. Grunert. 2,079,511; May 4.
Acid from acid sludges, Recovering. C. L. Read and P. J. Harrington. 2,079,424; May 4.
Acid from diolefines, Maleic, C. Conover. 2,079,490; May 4.
Acid synthesis process, Improved. A. T. Larson. 2,079,216; May 4.
Acridinium compounds, Quarternary. H. Mauss and F. Mietzsch. 2,079,023; May 4.
Actuating means for harness motion of looms. A. W. Gionet. 2,079,502; May 4.
Acyloins, Reduction of. V. L. Hansley. 2,079,403; May 4.
Advertising device. J. B. Pinner. 2,079,303; May 4.
Air conditioning apparatus. E. S. Lea. 2,079,574; May 4.
Air conditioning unit. C. A. Olson, J. P. Magos, and M. W. McRae. 2,079,562; May 4.
Aircraft, Device for use in connection with operation of. H. Stark. 2,078,982; May 4.
Alcohols from esters of nonaromatic carboxylic acids, Producing. W. A. Lazier. 2,079,414; May 4.
Alkali-cellulose and products therefrom. P. D. Clary and F. T. Georgeson. 2,079,313; May 4.
Alkali solutions adapted to formation of alkali cellulose and having a uniform catalytic activity, Production of caustic. A. H. Hooker, B. H. Ritter, and S. F. M. Maclaren. 2,079,120; May 4.
Alloys and more particularly copper alloys containing less than about 12 per cent tin, Working copper. R. O. Barthel. 2,079,239; May 4.
Aluminum electrode and preparing. J. E. Lilienfeld. 2,079,516; May 4.
Amino-chlorodiphenyl derivatives. M. Harris. 2,079,450; May 4.
Annealing, Method and apparatus for. R. M. Parsons. 2,079,334; May 4.
Annealing process, Continuous. C. Dantsizen. 2,079,494; May 4.
Antirail creeper. E. C. Neal. 2,078,965; May 4.
Antirattling device for doors. H. Golden. 2,079,346; May 4.
Antiskid device. G. R. Gallagher and R. M. Brady. 2,079,501; May 4.
Antiskid device. W. L. Wettlaufer. 2,079,235; May 4.
Apparatus for effecting compound drying. E. A. Le Sueur. 2,078,952; May 4.
Apparatus for playing a game of skill, Coin-, token-, or check-freed. B. W. Brenner. 2,079,000; May 4.
Apparatus for treating materials by salt quenching or annealing baths or galvanic baths. W. Radecker. 2,079,037; May 4.
Applicator device. B. A. Schmitter. 2,079,469; May 4.
Applicator, Shrinking seal. S. H. Levy and M. Ginsberg. 2,079,326; May 4.
Arms, Disappearing awning. F. Knoll. 2,079,073; May 4.
Article of manufacture and making same. A. Hershberger. 2,079,169; May 4.
Auto-cyclo-giro. I. B. Laskowitz. 2,079,217; May 4.
Automobile body, Convertible. H. Smith. 2,079,232; May 4.
Automobile heater, External air. H. B. Mummert. 2,079,381; May 4.
Automobile motor attachment. L. G. Rondelle. 2,079,183; May 4.
Automobile starting system, Automatic. M. W. Morris. 2,079,129; May 4.
Baby's chair, Portable collapsible. W. P. McNally. 2,079,176; May 4.
Bag. G. C. Nydegger. 2,079,523; May 4.
Bag: *See*—
Compact bag.
Vacuum cleaner bag.
Bag or sack holder. V. L. Stathem. 2,079,132; May 4.
Band for ornamental and useful purposes, Production of. K. Schofer. 2,079,386; May 4.
Base for lifting jacks. D. Ashkenas. 2,078,989; May 4.
Bathtub. E. R. James and S. N. Mehlin. 2,079,410; May 4.
Battery plate and making the same, Storage. H. Hibbert and W. L. Reinhardt. 2,079,208; May 4.
Battery plate, Storage. H. Hibbert and W. L. Reinhardt. 2,079,207; May 4.
Beam mechanism, Walking. R. R. Bloss. 2,079,276; May 4.
Beams, Device for hoisting. G. H. Bruns. 2,079,240; May 4.
Bearing: *See*—
Pitman stirrup bearing.
Bearing assembly for drilling tools. J. A. Zublin. 2,079,142; May 4.
Bellows and the like, Device for exhausting and sealing. M. H. Ward. 2,079,055; Mar. 4.
Belt, Drive. O. I. Judelshon. 2,079,351; May 4.
Billfold. C. D. Downes. 2,078,935; May 4.
Block: *See*—
Sheave block.
Blood pressure, Device for taking. E. Laurisin. 2,079,457; May 4.
Blower blast with oxygen, Enriching. E. Karwat. 2,079,019; May 4.
Board; *See*—
Hockey game board.
Bobbin cleaner. W. Lonzo. 2,079,296; May 4.
Boiler: *See*—
Steam and hot water boiler.
Boiler. A. C. Grist. 2,079,503; May 4.
Bolt, Anchor. H. R. Wheeler and G. W. Dress. 2,079,538; May 4.
Bookbinder. F. Amato. 2,078,988; May 4.
Bottle and unit therefor, Nonrefillable. T. L. MacBean. 2,079,125; May 4.
Bowl, Centrifugal separator. O. E. Fröding. 2,079,006; May 4.
Bowl mill. J. Critgs. 2,079,155; May 4.
Box: *See*—
Folding box.
Stuffing box.
Brace for articles of furniture. T. H. Wittliff. 2,078,985; May 4.
Braiding carrier. H. Janssen. 2,079,570; May 4.
Brake: *See*—
Door brake.
Vacuum-operated brake.
Drum brake.
Brake. M. P. Carpenter. 2,079,432; May 4.
Bricks, Manufacture of chromium ore containing. F. Hartmann. 2,079,066; May 4.
Bridge construction. E. M. Wichert. 2,079,095; May 4.
Brush holder. A. M. Grean. 2,079,285; May 4.
Building construction. J. H. MacMillan, Jr. 2,079,461; May 4.
Building construction. R. M. Nyhagen, Jr. 2,079,031; May 4.
Building structure. C. A. Patterson. 2,078,968; May 4.
Burner device, Oil. A. Bargeboer. 2,079,430; May 4.
Burner for firing furnaces with powdered fuel. E. H. Nielsen. 2,079,420; May 4.
Calculating machines, Automatic overdraft device for. C. L. Lee. 2,079,355; May 4.
Camera bearing in apparatus for photogrammetrically plotting oblique photographs taken from aircraft. O. von Gruber. 2,079,090; May 4.
Can labeling machine. A. H. Kyler. 2,079,321; May 4.
Can registering means. G. A. and G. V. Bardet. 2,078,923; May 4.
Candle, Repeating. B. C. Goss. 2,079,008; May 4.
Cap-screws, Making. H. E. Warren. 2,079,056; May 4.
Car, Ballast. J. W. King, II. 2,079,322; May 4.
Car, Dump. W. H. Yost. 2,079,392; May 4.
Car underframe. J. D. Fenstermacher and B. B. Sumner. 2,079,552; May 4.
Carbon bisulphide, Continuous process of producing. R. S. Bley. 2,079,543; May 4.
Carbon-black, Apparatus for producing. J. J. Jakosky and V. F. Hanson. 2,079,557; May 4.
Carburetor. E. J. Bushey. 2,079,150; May 4.
Carburetor. W. C. Dunn. 2,079,436; May 4.
Carburetor for low grade hydrocarbons. D. L. J. Smith. 2,079,563; May 4.
Card feeding device. H. O. Hess. 2,079,407; May 4.
Cards, Device for interpreting punched. G. Tauschek. 2,079,429; May 4.
Carriage and stroller, Convertible baby. A. E. Calton. 2,078,929; May 4.
Carrier: *See*—
Braiding carrier.
Collapsible animal carrier.
Carton, Bottle-carrying. C. D. Keith. 2,079,352; May 4.
Cases from a tubular piece, Making metal. O. Biginelli. 2,079,102; May 4.
Casing: *See*—
Meter casing.
Tire casing.
Catalyst. E. S. Johnson. 2,079,507; May 4.

Catalyst preparation. C. R. Harris. 2,079,404; May 4.
Catalytic converters, Operation of. E. J. Houdry and T. B. Prickett. 2,078,950; May 4.
Catalytic materials and manufacture. E. J. Houdry. 2,078,945; May 4.
Cathode, Thermionic. P. T. Weeks. 2,079,057; May 4.
Cavitation control of hydraulic machines. S. L. Kerr. 2,079,258; May 4.
Cellulosic product and making same. H. Bradshaw. 2,079,395; May 4.
Cementitious material. C. K. Rôos. 2,079,338; May 4.
Centrifugal switch. R. A. White, W. Noble, and N. Tunbry. 2,079,539; May 4.
Chain: *See*—
Tire chain.
Chain link. J. W. Page. 2,079,384; May 4.
Chair: *See*—
Baby's chair.
Theater chair.
Chemical reactions, Control of. E. J. Houdry. 2,078,949; May 4.
Chromium ore containing bricks, Manufacture of. F. Hartmann. 2,079,066; May 4.
Cigarette holder, Safety. J. Mills. 2,079,520; May 4.
Circuit apparatus, Railway track. W. P. Place. 2,079,525; May 4.
Circuit breaker, Heating unit. R. J. Parsons. 2,079,577; May 4.
Circuit closer. R. Côté. 2,079,153; May 4.
Circuit, Electrical control. C. B. Foos. 2,079,500; May 4.
Circuit, Ultra high frequency magnetron discharge tube. K. Fritz. 2,079,248; May 4.
Circulation control for furnaces. M. De Lin. 2,079,157; May 4.
Clamp: *See*—
Ratline clamp.
Tap clamp.
Classifier, Vibratory. E. J. Winkleman. 2,079,059; May 4.
Cleaner: *See*—
Bobbin cleaner.
Suction cleaner.
Cleaning device. H. W. Hunter. 2,079,452; May 4.
Clock. A. H. Neureuther. 2,079,029; May 4.
Closure, Bottle. J. H. Noir. 2,079,026; May 4.
Closure for collapsible paper stock barrels and forming the same. G. S. Jones. 2,079,292; May 4.
Cloth, Screen. J. J. Grebe. 2,078,940; May 4.
Clothes hanger. J. Pfeiffer. 2,079,036; May 4.
Clutch. B. E. Richardson. 2,079,528; May 4.
Clutch facing and manufacture of the same, Endless. M. F. Judd. 2,079,173; May 4.
Clutch plate structure. E. E. Wemp. 2,079,389; May 4.
Clutch teeth, Producing. R. Lapsley. 2,079,513; May 4.
Coat, Sportsman's. F. H. Mahoney. 2,079,220; May 4.
Coated material and making same. J. A. Mitchell. 2,079,379; May 4.
Coating composition. A. M. Alvarado. 2,078,921; May 4.
Coin and ticket receptacle. O. K. Jones. 2,079,255; May 4.
Collapsible animal carrier. F. Leichtfuss. 2,079,458; May 4.
Communication system. C. J. Fitch. 2,079,440; May 4.
Communication systems, Apparatus for. W. P. Place and P. N. Bossart. 2,079,262; May 4.
Compact bag. A. F. Reilly. 2,079,305; May 4.
Compressing tool. H. A. Douglas. 2,079,498; May 4.
Computing and registering device. C. S. Hazard. 2,079,451; May 4.
Concrete insert. C. E. Bashe. 2,079,478; May 4.
Condenser: *See*—
Temperature compensating condenser.
Condenser construction. F. S. Smith. 2,079,231; May 4.
Conduit and core therefor, Thermal fluid. F. Appa. 2,079,144; May 4.
Conduit for electrical wires, Flexible. K. J. Baker. 2,079,274; May 4.
Connecter and receptacle therefor, Electrical. W. D. C. Wright. 2,079,234; May 4.
Connection for burial case handles or the like. B. L. Mallory. 2,079,459; May 4.
Connections of the driving unit to the frame of a motor vehicle. H. Ledwicka. 2,079,218; May 4.
Contact masses, Regenerative. E. J. Houdry. 2,078,951; May 4.
Container. E. Sherman. 2,079,188; May 4.
Container of transparent cellulose film. L. E. Menbrino. 2,079,177; May 4.
Containers for eggs, Molded fibre. G. P. Dorr. 2,078,927; May 4.
Control apparatus for radio receivers. R. J. Glass. 2,079,445; May 4.
Control for timers, Centrifugal. J. L. Arthur. 2,079,145; May 4.
Control mechanism for change speed gear transmissions. B. E. Richardson. 2,079,529; May 4.
Control system. H. H. Gorrie. 2,079,165; May 4.
Control system, Electric distant. N. Japolsky. 2,079,253; May 4.
Controller for electric motor driven devices. R. G. Lockett. 2,079,124; May 4.
Controlling system for regulators. C. Wilhjelm. 2,079,497; May 4.
Cooling and dispensing device. B. T. Welsh. 2,079,342; May 4.

Core covering machine. H. Z. Cobb. 2,079,433; May 4.
Core structure. F. H. Benge. 2,079,393; May 4.
Cork and making the same, Artificial. M. Levin. 2,078,954; May 4.
Coupling: *See*—
Shaft coupling.
Cover: *See*—
Grill cover.
Cover for refuse receptacles. M. Tamini. 2,079,052; May 4.
Covers for grille-type automobile radiator fronts. H. B. Mummert. 2,079,380; May 4.
Covering, Building. E. R. Black. 2,078,998; May 4.
Crankshafts, Means adapted to reduce the torsional oscillations of. R. R. R. Sarazin. 2,079,226–7; May 4.
Crate, Knock-down fruit. J. Norinsberg and C. L. Roye. 2,079,330; May 4.
Creping. E. H. Angier. 2,079,273; May 4.
Crystal apparatus, Piezoelectric. J. M. Wolfskill. 2,079,540; May 4.
Cup: *See*—
Teat cup.
Current transients, Apparatus for recording earth. L. W. Blau and L. Statham. 2,079,103; May 4.
Curtain rod. R. D. W. Vroom and W. H. Toelle. 2,079,267; May 4.
Cutters for tube cleaners. H. L. Staley. 2,079,190; May 4.
Defroster, Windshield. C. F. Fagerburg. 2,079,203; May 4.
Dehydrator for air brake systems. R. S. Begg. 2,079,100; May 4.
Demodulator. L. E. Barton. 2,078,994; May 4.
Directional indicator for motor vehicles. P. D. Kemp. 2,079,175; May 4.
Discharge for grinding mills. S. L. Miller and G. T. Johnson. 2,079,221; May 4.
Dispensing device. A. Freydberg. 2,079,005; May 4.
Dispensing device. C. R. G. Stewart. 2,079,364; May 4.
Display. E. J. Durkin. 2,079,370; May 4.
Distributing mechanism of typographical composing machines. W. M. Bower. 2,079,198; May 4.
Door brake. E. Vadasz. 2,079,054; May 4.
Door, Car. C. E. Eklind. 2,079,160; May 4.
Door hanger. J. Nemac. 2,079,028; May 4.
Dowel making machine. A. R. Welch. 2,079,093; May 4.
Dowel structure for concrete roadways. L. J. Lind. 2,079,123; May 4.
Draft gear. M. B. Hall. 2,079,011; May 4.
Draft gear. H. L. Spence. 2,079,088; May 4.
Drafting mechanism. T. W. Lawton. 2,079,122; May 4.
Drain. D. S. Williams. 2,079,269; May 4.
Drive mechanism for shaker conveyers. G. W. Packer. 2,079,360; May 4.
Driving and stopping mechanism. O. R. Haas. 2,078,942; May 4.
Drum brake. W. C. Hedgcock. 2,079,554; May 4.
Dry cell and seal therefor. C. P. Delbel. 2,079,495; May 4.
Dummy, Bread. W. A. Rike. 2,079,264; May 4.
Dust and fume sampler. T. A. Walsh. 2,079,474; May 4.
Dust collector. J. H. Dickerson. 2,079,315; May 4.
Dyestuffs for the anthraquinone azine series, Vat. J. Mueller and K. Koeberle. 2,079,463; May 4.
Dyestuffs, Monoazo. R. Fleischhauer. 2,079,499; May 4.
Dyestuffs of the anthraquinone series, New. W. Bauer. 2,078,996; May 4.
Earth pulverizer. M. D. Jenks. 2,079,506; May 4.
Electric cream separator. S. T. Castleman. 2,079,396; May 4.
Electric motor, Vibratory synchronous. A. B. Poole. 2,079,421; May 4.
Electric switch. K. W. Du Bois. 2,079,282; May 4.
Electrical control system. H. E. Phillips. 2,079,466; May 4.
Electrical regulating system. E. Courtin. 2,079,492; May 4.
Electrolytic apparatus. R. D. Mershon. 2,079,081; May 4.
Electron tube. J. Richter, O. Schriever, F. Schröter, and W. Federmann. 2,079,085; May 4.
Enamel composition, Opaque vitreous. R. R. Shively. 2,079,339; May 4.
Engine: *See*—
Free piston engine.
Rotary engine.
Internal combustion engine.
Two cycle Diesel engine.
Engine starting device. N. Hersmark. 2,079,014; May 4.
Erasing, Apparatus for. H. Lukowski. 2,079,356; May 4.
Esters and sulphates thereof, Unsaturated. W. Schrauth. 2,079,228; May 4.
Esters of dicarboxylic acids and substituted phenols. T. S. Carswell. 2,079,487; May 4.
Esters of 2-phenyl-quinoline-4-carboxylic acids. H. John. 2,079,318; May 4.
Evaporator. F. T. Crothouse. 2,079,448; May 4.
Exothermic reactions, Control of. E. J. Houdry. 2,078,948; May 4.
Explosive. L. S. Byers. 2,079,105; May 4.
Explosive. M. F. Lindsley, Jr. 2,079,558; May 4.
Eyelash, Artificial. E. F. Kaiser. 2,079,256; May 4.
Facial appliance. J. McKinlay. 2,079,128; May 4.
Fan and fan blade. L. B. Santmyer. 2,079,044; May 4.
Fan, Atomizing. R. R. Hays. 2,079,117; May 4.

Farm implement. S. Galati and S. S. Sorrenti. 2,079,249; May 4.
Fastener driving machine, Corrugated. A. E. Cranston. 2,079,154; May 4.
Fasteners, Method and apparatus for coating slide. W. J. Reuter. 2,079,563; May 4.
Fastening device. F. W. Williams. 2,079,194; May 4.
Fastening inserting machine. C. A. Robinson. 2,079,040; May 4.
Feed mechanism for grinding machines, Cross. W. A. Cigger. 2,079,007; May 4.
Feed of a milling machine or other machine tool having a plurality of driving motors, Regulating the rate of. J. E. Doran. 2,079,004; May 4.
Fertilizers, Mixing and distributing. R. C. Zuckerman. 2,079,061; May 4.
Fertilizers, Producing. C. Krauch, C. Eyer, and O. Schleiphake. 2,079,324; May 4.
Field strength, Apparatus and method for determining. G. D. Gillett. 2,079,205; May 4.
File for newspapers and periodicals. W. H. Vetor. 2,079,388; May 4.
Films, Device for reading x ray. H. Jordan. 2,079,373; May 4.
Films, Making inhibition. B. S. Tuttle. 2,079,470; May 4.
Filter. F. Manning. 2,079,297; May 4.
Filter. A. G. Thomas. 2,079,365-6; May 4.
Filter construction, Fuel oil. P. Williams and F. W. Brazel. 2,079,475; May 4.
Firearm. R. Razee. 2,079,039; May 4.
Fire extinguishing apparatus, Tank. C. A. Ellis. 2,079,438; May 4.
Fish lure. C. T. Pflueger. 2,079,335; May 4.
Fishing lure, Combination. C. B. Kettring. 2,079,509; May 4.
Flare, Highway. J. H. Horsley. 2,079,170; May 4.
Flavoring material from naturally colored vegetable substances, Preparing decolorized. A. Levinson. 2,079,415; May 4.
Fluid cooled tube. R. H. Varian. 2,079,137; May 4.
Fluid density responsive device. D. Samiran. 2,078,977; May 4.
Fluid distribution and control. W. M. Ryan and J. W. Bold. 2,079,041; May 4.
Fluid meter. C. O. J. Montelius. 2,079,083; May 4.
Fluids, Heating hydrocarbon. W. E. Lobo. 2,079,219; May 4.
Folding box. H. G. Schmidt. 2,079,087; May 4.
Folding receptacle. H. C. Bates. 2,078,995; May 4.
Food compound and making the same. F. H. Hoffman. 2,079,288; May 4.
Food product. H. J. Smith. 2,079,340; May 4.
Food product and preparation, Powdered. R. T. Northcutt. 2,079,030; May 4.
Foot, Device for exercising orthopedically and massaging the unshod human. L. Blumenthal. 2,079,311; May 4.
Formation tester. H. C. Yarbrough. 2,079,140; May 4.
Fracture reducing table. R. Anderson. 2,079,567; May 4.
Free piston engine. H. Jänicke. 2,079,289; May 4.
Fruit Cleaning. J. J. R. Bristow. 2,079,278; May 4.
Fruit juices, Method and apparatus for preparing. L. E. Baner and H. F. Peavey. 2,079,542; May 4.
Furnace: *See*—
Soaking pit furnace.
Fuse and fuse terminals, Electric. M. B. Wood. 2,079,097; May 4.
Fuse, Housed type of repeating drop-out. W. O. Schultz and A. G. Steinmayer. 2,079,047; May 4.
Fuse, Indicating. L. A. Kauffman. 2,079,214; May 4.
Fuse, Percussion. M. Birkigt. 2,079,394; May 4.
Fuse plug. F. J. McHugh. 2,079,462; May 4.
Game time indicator. E. E. Foster. 2,079,204; May 4.
Garment retainer. J. J. Schlaepfer. 2,079,045; May 4.
Garment, Supporting. M. Schottenfels. 2,079,426; May 4.
Gas machine. H. V. Atwell. 2,079,586; May 4.
Gas, Method and apparatus for cooling a. I. H. Levin. 2,078,953; May 4.
Gas turbine apparatus. A. Lysholm. 2,078,957; May 4.
Gas turbine system. A. Lysholm. 2,078,956; May 4.
Gas turbine system. A. Lysholm. 2,078,958; May 4.
Gases, Process and apparatus for deodorizing. H. S. Colby and R. F. O'Mara. 2,078,925; May 4.
Gasoline filling station, Coin controlled. J. Siegal. 2,079,427; May 4.
Gauge: *See*—
Raker-tooth gauge.
Gauge for determining camber, caster, and kingpin inclination of automobile wheels. W. J. Johnston. 2,079,070; May 4.
Gear: *See*—
Draft gear.
Gear mechanism, Reciprocating. C. W. Huffman. 2,079,171; May 4.
Glass, Apparatus for feeding molten. G. T. Meyers. 2,079,549; May 4.
Glass, Method of and apparatus for making. G. E. Howard. 2,079,535; May 4.
Glassware lehr construction. D. G. Merrill. 2,079,559; May 4.
Golf bag attachment. M. M. Echoltz. 2,079,551; May 4.
Golf clubs and other hand gripped devices, Gripping. A. Pardoe. 2,079,261; May 4.
Golf tee. B. C. Sickmiller. 2,079,387; May 4.
Governor, Automobile. J. W. Horine. 2,079,016; May 4.
Grille cover. R. E. Linn. 2,079,327; May 4.
Grille with distinctive character design, Flexible. M. L. Cornell, A. H. Graff and R. K. Bennett. 2,078,926; May 4.
Guide for air drilling tools, Starter steel. J. J. Simpson, F. M. Simpson and D. Simpson. 2,079,189; May 4.
Gun, Electron. B. C. Gardner and A. H. Brolly. 2,079,163; May 4.
Gun sight. W. Vaver. 2,079,266; May 4.
Hair waving device. F. R. Marcel. 2,079,079; May 4.
Handbag. H. Eisenberg and E. Orinsky. 2,079,401; May 4.
Handbag, Traveling or lady's. L. Wolff, née Saling. 2,079,476; May 4.
Hanger: *See*—
Clothes hanger. Door hanger.
Harvester. F. T. Court. 2,079,547; May 4.
Harvester, Corn. G. S. Seward. 2,079,530; May 4.
Head lamp, Portable electric. W. F. Koepke. 2,079,075; May 4.
Heat exchange apparatus. C. Field. 2,078,938; May 4.
Heat exchanging apparatus. G. Herbster. 2,079,067; May 4.
Heater: *See*—
Automobile heater.
Heating apparatus and method. D. L. Thomas. 2,079,191; May 4.
Heating, Inductive. R. R. Clark. 1,079,152; May 4.
Heating or cooling system. J. B. Julian. 2,079,453; May 4.
Hockey game board. A. C. Untener. 2,079,136; May 4.
Holder: *See*—
Bag or sack holder. Necktie holder.
Brush holder. Pad holder.
Cigarette holder.
Jewelry setting perfume holder.
Holder for lipsticks and similar articles. J. P. De Looschnigg. 2,079,002; May 4.
Holder for lipsticks and the like, Adjustable. H. F. Reichenbach and A. N. Stadalius. 2,079,131; May 4.
Holder for machining operations, Work. A. B. Kokotiak. 2,079,323; May 4.
Hood closure securing means. D. P. Hynes. 2,079,556; May 4.
Hood, Rock drill. J. H. Markley. 2,079,417; May 4.
House construction. C. A. Patterson. 2,078,970; May 4.
House foundation. C. A. Patterson. 2,078,969; May 4.
Hydraulic transmission. E. Wiedmann. 2,079,268; May 4.
Hydrocarbons, Apparatus for dispensing liquid. D. Myon. 2,079,027; May 4.
Hydrocarbons, Conversion of. E. J. Houdry. 2,078,946; May 4.
Igniter for grenades. A. V. A. Mortreux. 2,079,178; May 4.
Illuminated sign. J. J. Shively. 2,079,230; May 4.
Indicating mechanism for trawling. J. C. Malcolm and R. E. Symonds. 2,079,021; May 4.
Indicator: *See*—
Game time indicator.
Indolyl-3-acetic acid, Making. R. H. Manske. 2,079,416; May 4.
Insulated resistance unit. H. L. Bradley. 2,079,369; May 4.
Insulation, Thermal. A. W. Kent. 2,079,374; May 4.
Internal combustion engine. T. V. Dillström. 2,078,934; May 4.
Internal combustion engine. H. L. Morris and F. E. Dayes. 2,079,357; May 4.
Ironing device. F. J. Osuch. 2,079,033; May 4.
Ironing machine. W. F. Oliver. 2,079,301; May 4.
Jack and jacking system for vehicles, Lifting. W. R. Bridgens. 2,079,149; May 4.
Jars, Means for sealing. E. Purdam. 2,079,526; May 4.
Jewelry setting perfume holder. L. A. Samstag. 2,079,043; May 4.
Joint: *See*—
Streamline rail joint. Structural joint.
Kerf-cutting machine. W. W. Sloane. 2,079,428; May 4.
Ketonic substances, Obtaining hormone-like. E. Schwenk and B. Whitman. 2,078,978; May 4.
Kit, Sewing. C. B. Gudebrod. 2,079,010; May 4.
Knitting machine for transferring from ribbed to plain knitting, Automatic. H. McAdams. 2,079,298; May 4.
Lactones, Preparation of. A. W. Larchar. 2,079,325; May 4.
Lamp: *See*—
Head lamps.
Leather flexing machine. E. Wilson. 2,079,270; May 4.
Lemon conditioning and rind curing system. L. H. Polderman. 2,079,304; May 4.
Light ray projector. B. S. Young. 2,078,986; May 4.
Lighter. A. Kilstrom. 2,079,454; May 4.
Lighting device, Electric. W. F. Sheppard. 2,079,532; May 4.
Link band for ornamental and useful purposes. R. Einsele. 2,079,400; May 4.

Liquid cooling apparatus. H. J. De Cremer. 2,079,549; May 4.
Liquid dispensing apparatus. J. A. Logan and W. H. DeLancey. 2,079,295; May 4.
Liquid flow control. A. M. Brosius. 2,079,063; May 4.
Liquids, Process and apparatus for mixing and emulsifying. P. L. A. Thiberge. 2,078,983; May 4.
Lock. K. A. Brauning. 2,079,583; May 4.
Lock and ventilating stop, Sash. C. E. Hafstad. 2,079,167; May 4.
Lock mechanism, Reverse. C. P. Cirac, T. W. Cooper, and W. W. Mac Donald. 2,079,106; May 4.
Locking means for automobile doors, Multiple. H. Irwin. 2,079,018; May 4.
Loom. C. D. Brown. 2,079,544; May 4.
Lubricating apparatus. C. F. Raisch. 2,079,361; May 4.
Luminous device and method of and apparatus for making the same. W. J. Schirmer. 2,079,468; May 4.
Machine for mixing plastic material. C. K. Roos and M. G. Allison. 2,079,565; May 4.
Machine for operating upon soles. E. W. Stacey. 2,078,981; May 4.
Machine for reaming and beveling pipe. R. B. Pealer. 2,079,181; May 4.
Machine for the electric welding of the side-members of vehicle frames. L. Saives. 2,079,042; May 4.
Machine with swash ring drive. H. H. Stinnes. 2,079,050; May 4.
Magnetic control apparatus for musical instruments. V. H. Severy. 2,078,979; May 4.
Magneto. L. Griffiths and S. H. Franklin. 2,079,447; May 4.
Mail and package sorting and distributing device. M. E. Ross and A. L. Maynard. 2,079,385; May 4.
Mail box support. R. L. King and H. L. Potter. 2,079,510; May 4.
Maize harvesting machine. A. Carpinetl. 2,079,201; May 4.
Map display mechanism. M. D. McCauley. 2,079,024; May 4.
Marking tool. F. W. Zipf. 2,079,236; May 4.
Materials, Apparatus for heating. C. Iddings and G. S. Simpson. 2,079,017; May 4.
Materials, Apparatus for treating molten. L. C. Edgar and E. E. Brosius. 2,079,111; May 4.
Materials, Process and mechanism for separating intermixed divided. K. Davis. 2,079,246; May 4.
Measuring instrument, Electrical. T. W. Varley. 2,079,472; May 4.
Merchandise display rack, Portable. A. H. Paschell. 2,079,224; May 4.
Messages, Apparatus for enciphering and deciphering. M. C. M. O'Brien. 2,079,130; May 4.
Metal, Making laminated. S. L. Ingersoll. 2,079,213; May 4.
Metallic mixtures, Apparatus for separating. R. C. Burt. 2,079,241; May 4.
Meter: *See*—
Fluid meter.
Meter casing. T. A. Abbott. 2,078,920; May 4.
Metering system. A. Berger. 2,078,997; May 4.
Milk, Making vegetable. H. W. Miller. 2,078,962; May 4.
Mill: *See*—
Bowl mill. Rolling mill.
Mineral aggregates, Pulverizing. R. S. Dean and J. Gross. 2,078,933; May 4.
Mining machine. M. P. Holmes. 2,078,944; May 4.
Mixing machine. M. A. Arndt. 2,079,272; May 4.
Modulating system. R. R. Riesz. 2,078,974; May 4.
Moldboard, Auxiliary. G. L. Sharitz. 2,079,531; May 4.
Molded articles by pressing, Production of. F. Fischer and O. Horn. 2,079,343; May 4.
Molder, Chin. S. J. Wilson. 2,079,096; May 4.
Mono-methyl amine, Recovery of. L. C. Swallen. 2,079,580; May 4.
Mop attachment. A. Tringa. 2,079,367; May 4.
Motor: *See*—
Electric motor.
Motor control, Stoker. J. F. Turner and C. P. Breidenbaugh. 2,079,135; May 4.
Motor for electric razors. T. S. Casner. 2,079,151; May 4.
Motors, Method and apparatus for starting. C. B. Waters. 2,079,092; May 4.
Mounting, Resilient engine. M. T. Wolfe. 2,079,391; May 4.
Music stand. J. F. Kluson. 2,079,072; May 4.
N-chlorosulphonylamides and their preparation. M. Cattegay. 2,079,541; May 4.
Naphthalene, Refining crude. S. P. Miller. 2,078,963; May 4.
Naphthylamine derivatives. Manufacture of. W. B. McKay. 2,078,960; May 4.
Necktie holder. E. S. Mix. 2,079,521; May 4.
Needles for taking up dropped stitches. E. Skriwan. 2,079,306; May 4.
Nipples, Producing. F. W. Leuthesser. 2,079,077; May 4.
Novelty. J. E. Torbert, Jr. 2,079,053; May 4.
Nozzle diaphragm and the like and making the same. R. B. Wade. 2,079,473; May 4.
Oil, Lubricating. F. W. Sullivan, Jr., B. H. Shoemaker, and K. Taylor. 2,079,051; May 4.
Oil, Treating. S. C. Fulton. 2,079,443; May 4.
Oils, Conversion of hydrocarbon. J. B. Barnes. 2,079,148; May 4.
Oils, Conversion of hydrocarbon. J. B. Heid. 2,079,168; May 4.
Oils, Method and apparatus for dewaxing. D. B. Banks and P. D. Barton. 2,078,992; May 4.
Oils of different characteristics into lower boiling point hydrocarbon products, Process and apparatus for desulphurization and conversion of. E. A. Ocon. 2,079,359; May 4.
Oils, Treatment of hydrocarbon. N. G. de Rachat. 2,079,158; May 4.
Oils, Treatment of hydrocarbon. J. D. Seguy. 2,079,187; May 4.
Opener, Tin. H. Ayliffe. 2,079,271; May 4.
Optical reproducing device. M. Kaplowitz. 2,079,508; May 4.
Optical system method and apparatus. A. D. Eitzen. 2,078,937; May 4.
Overshoe, Sandal. B. R. Nyhagen. 2,079,331; May 4.
Package and forming the same. D. M. McLean. 2,079,328; May 4.
Package dispensing apparatus. S. W. Williamson. 2,078,984; May 4.
Packing, Producing metallic. J. R. Price. 2,079,467; May 4.
Pad guard mounting construction, Nose. L. H. Klein. 2,079,353; May 4.
Pad holder. J. R. Kaiser. 2,079,257; May 4.
Padlock. B. Schlesinger and O. M. Martin. 2,079,578; May 4.
Pan, Baking. A. L. Langel. 2,079,456; May 4.
Paper package. F. S. McDonnell. 2,078,959; May 4.
Paper receptacle. J. Hrdlicka and A. L. Holecek. 2,079,211; May 4.
Paring and coring tool. L. C. Domack. 2,079,496; May 4.
Pathological affections, Treatment of. R. E. Hall. 2,078,943; May 4.
Pellicles, Treating. T. F. Banigan. 2,079,147; May 4.
Pen, Fountain. S. M. Sager. 2,078,976; May 4.
Pessary. H. L. Martin. 2,079,022; May 4.
Petroleum oil, Conversion of. C. P. Dubbs. 2,079,159; May 4.
Petroleum, Refining. T. A. Petry. 2,079,035; May 4.
Phenol-aldehyde condensation products. H. Hönel. 2,079,210; May 4.
Phenols, Manufacture of. C. Raeth, K. W. Rittler, and F. A. Steingroever. 2,079,383; May 4.
Photoelectric tube. S. Asao and M. Nagashima. 2,079,477; May 4.
Photographic sensitizer. E. B. Middleton and G. A. Dawson. 2,079,376; May 4.
Pick, Sanitary fruit. L. B. Wigen. 2,079,193; May 4.
Picture system, Sound motion. S. A. Murdock. 2,079,223; May 4.
Pigment paste for carbon papers, typewriter ribbons, and stencil sheets. W. Schreuth. 2,079,229; May 4.
Pigments of basic dyes, Colloidized. M. L. Crossley, R. H. Kienle, and G. L. Royer. 2,079,548; May 4.
Pigmented products. M. Jones, W. F. Smith, and A. Stewart. 2,079,350; May 4.
Pilot, Highway. L. C. Noderer. 2,079,260; May 4.
Pipe cutting machine. R. B. Pealer. 2,079,180; May 4.
Pipe in well holes, Supporting. H. L. McQuiston. 2,079,518; May 4.
Pipeworking machine. R. B. Pealer. 2,079,179; May 4.
Piston, Trunk. J. Flamnang, P. L. Bowser, and H. Ernst. 2,079,441; May 4.
Pitman stirrup bearing. W. W. Erlewine. 2,079,113; May 4.
Plant package, Semipotted. C. E. Gardner. 2,079,116; May 4.
Platen printing press. L. R. Johnson and A. Black. 2,079,172; May 4.
Plug: *See*—
Fuse plug. Spark plug.
Pocket receptacle and trim. J. H. Woof. 2,079,139; May 4.
Porous formations in wells, Sealing-off. H. L. McQuiston. 2,079,517; May 4.
Pottery ware, Method of and apparatus for manufacturing. W. J. Miller. 2,079,082; May 4.
Pouch, Tobacco. V. F. Zahodiakin. 2,079,141; May 4.
Poultry, Device to prevent picking in. J. C. Cridlebaugh. 2,079,107; May 4.
Poultry scalding machine. H. C. Truex and L. O. Brown. 2,079,307; May 4.
Power press. A. W. Fraser. 2,079,553; May 4.
Power system. G. M. Pestarini. 2,079,465; May 4.
Power system, Electrically controlled. J. F. Healy, Jr. 2,079,252; May 4.
Power take-off appliance. C. Clinkenbeard. 2,079,244; May 4.
Power transmission mechanism. C. F. Rauen. 2,079,527; May 4.
Press: *See*—
Platen printing press. Printing press.
Power press.
Press for printing on reels and similar rotatory bodies, Printing. J. Nunnikhoven. 2,079,300; May 4.
Pressing machine and element. G. W. Johnson. 2,079,291; May 4.

Pressure responsive device. C. Johnson. 2,079,069; May 4.
Printing plates by electric arcs, Mechanism for producing. J. A. Bennett. 2,079,310; May 4.
Printing plates, Registering. L. W. Claybourn. 2,079,243; May 4.
Printing press. C. S. Crafts. 2,079,001; May 4.
Product and preparing same. T. F. Banigan. 2,079,146; May 4.
Products or articles made of or containing cellulose derivatives or other lacquer bases, Manufacture or treatment of. H. Dreyfus. 2,079,109; May 4.
Propeller. F. E. Carlson. 2,079,486; May 4.
Protective arrangement for electrical instruments. H. W. Bousman. 2,079,485; May 4.
Protective device, Over-modulation. A. N. Goldsmith. 2,079,446; May 4.
Pump. D. R. Hillis. 2,079,119; May 4.
Pump. A. O. McCollum. 2,079,375; May 4.
Punch, Manually operated. C. Ehret. 2,079,437; May 4.
Rack: *See*—
  Merchandise display rack.
Rack for aging or maturing, clarifying, coloring, and mellowing spirituous liquors, and particularly whisky, Charred white oak. K. J. Mills. 2,079,378; May 4.
Radiator core. F. M. Opitz. 2,079,032; May 4.
Radiator, Motor vehicle. V. Miller. 2,079,222; May 4.
Radiator, Oil-cooling. R. B. Beisel. 2,079,275; May 4.
Radio receiver, Oscillating. F. E. Terman. 2,079,134; May 4.
Raker-tooth gauge. C. R. Kenney. 2,079,215; May 4.
Range, Gas. S. H. Hobson. 2,079,504; May 4.
Ratline clamp, Nonslip. H. M. Parkin. 2,079,034; May 4.
Razor, Safety. G. Dalkowitz. 2,079,245; May 4.
Reaction products of diphenyloxide with the di-halo aliphatic hydrocarbons. G. H. Coleman and B. C. Hadler. 2,079,279; May 4.
Receptacle: *See*—
  Coin and ticket receptacle. | Folding receptacle. | Paper receptacle.
Record controlled machine. E. J. Rabenda. 2,079,422; May 4.
Refractory and making it, Cast. R. C. Benner and G. J. Easter. 2,079,101; May 4.
Refractory, Ceramic bonded silicon carbide. G. J. Easter, C. McMullen, and I. M. Logan. 2,079,110; May 4.
Refrigerant into an expansion system, Method of and apparatus for controlling the flow of liquid. T. I. Potter. 2,079,263; May 4.
Refrigerating apparatus. E. Heitman. 2,079,349; May 4.
Refrigerating apparatus. R. K. Miller. 2,079,377; May 4.
Refrigerating apparatus. E. B. Newill. 2,078,966; May 4.
Refrigerating apparatus, Shipping. J. H. Ashbaugh. 2,079,238; May 4.
Refrigeration. C. G. Munters. 2,079,419; May 4.
Register. F. Q. Rast. 2,079,423; May 4.
Regulator: *See*—
  Accuracy regulator.
Relay tube. H. C. Rentschler. 2,079,362; May 4.
Relief valve. W. N. Glab. 2,079,164; May 4.
Remedy for regulating the degree of acidity of the gastric juice. F. Körösy. 2,079,512; May 4.
Remote control apparatus. P. P. Stoker. 2,079,534; May 4.
Respirator facepiece. W. A. Whipple. 2,079,581–2; May 4.
Retarding mechanism. C. M. Gearing. 2,079,284; May 4.
Revolving sign. T. P. Eichelsdoerfer. 2,079,112; May 4.
Ring construction, Key. A. O. Schoeninger. 2,079,046; May 4.
Ring for receptacle covers, Clamping. L. W. Evans. 2,079,114; May 4.
Rocker arm. F. J. Jones. 2,079,254; May 4.
Rod: *See*—
  Curtain rod. | Welding rod.
  Welding or filler rod.
Rolling mill. A. L. Krause. 2,079,455; May 4.
Rotary engine. L. F. Upshaw, Jr. 2,079,192; May 4.
Rubber, Reclaiming of. R. M. Cole. 2,079,489; May 4.
Rubber sheet material. E. Hazell, H. C. Tingey, and C. E. Linscott. 2,079,584; May 4.
Rule, Hyperbole scale. H. Okura. 2,079,464; May 4.
Safety device for heat transference apparatus. F. D. Austin. 2,078,990; May 4.
Safetypin. R. V. Ford. 2,079,162; May 4.
Safety switch. H. J. Hammerly. 2,079,286; May 4.
Salt, Producing a novel 8-hydroxyquinoline. F. Boedecker. 2,079,312; May 4.
Sands made by a soap precipitate, Plugging water. G. E. Cannon. 2,079,431; May 4.
Sanding machine. F. O. Albertson. 2,079,143; May 4.
Sash, Supplemental window. H. A. Etling. 2,079,283; May 4.
Sea-ooze, Treating. W. Leetz. 2,079,514; May 4.
Seal, Bottle. J. D. Bugh. 2,079,545; May 4.
Seal for containers. W. A. Kalber. 2,079,319–20; May 4.
Seal, Vacuum. D. D. Knowles. 2,079,354; May 4.
Seams for knit goods, Production of. N. V. Christensen. 2,079,569; May 4.
Separator: *See*—
  Electric cream separator.
Sewing machine. H. F Briggs and R. N. Cundall. 2,079,062; May 4.
Sewing machine attachment. E. Helie. 2,079,317; May 4.
Sewing machine, Lock stitch. N. V. Christensen. 2,079,568; May 4.
Sewing machines, Attachment for. S. M. Crewdson. 2,079,493; May 4.
Shaft, Automatically variable cam. E. C. Gregg. 2,079,009; May 4.
Shaft coupling. J. M. Marty. 2,079,460; May 4.
Shaving machine. N. H. Lewis and E. G. Berg. 2,079,294; May 4.
Sheave block. W. H. McKissick. 2,079,299; May 4.
Shield, Arc welding. P. L. Spencer. 2,079,048; May 4.
Shield, Cashier's. W. Cain, Sr. 2,079,242; May 4.
Shield, Lip. E. E. Barnett. 2,079,099; May 4.
Shoe, Safety. A. R. Allard. 2,079,237; May 4.
Shortening compound and preparing the same. A. W. Ralston and V. Conquest. 2,079,336; May 4.
Shunt device. R. A. Kamm. 2,079,174; May 4.
Shuttle for looms. W. A. Tebo. 2,079,535; May 4.
Sign: *See*—
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Silencer, Vehicle window. O. J. Mortensen. 2,079,522; May 4.
Skate, Roller. E. J. Schmidt. 2,079,185; May 4.
Ski-tow apparatus. T. C. Cooke. 2,079,491; May 4.
Soaking pit furnace, Recuperative. W. A. Horton and H. F. Spencer. 2,079,560; May 4.
Solutions, Method of chilling. E. Petty and K. Finsterbusch. 2,079,182; May 4.
Sorting machine, Manually controlled. F. L. Fuller and S. Brand. 2,079,442; May 4.
Sound apparatus, Photoelectric. H. G. Weiss. 2,079,537; May 4.
Sound on the edge of film, Method of and apparatus for recording. J. R. Kiel. 2,079,572; May 4.
Sound photo-acoustically on cinematograph film, System for recording. B. Francisci. 2,079,115; May 4.
Spark plug. E. B. Nowosielski. 2,079,561; May 4.
Spool for textile yarns, Form of. J. Brandwood. 2,079,277; May 4.
Sprayer for printed sheets. G. E. Hieber. 2,079,287; May 4.
Spraying device. W. A. Roehm. 2,079,564; May 4.
Spring suspension for auto vehicles. W. H. Collier. 2,079,314; May 4.
Sprinkler system. J. E. Wallace. 2,079,368; May 4.
Sprinkler, Traveling. L. H. Adamson. 2,078,987; May 4.
Stall, Sun. R. Roberts. 2,078,975; May 4.
Stamp, Self-inking. L. Meliad. 2,079,080; May 4.
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  Music stand.
Staple fibers, Apparatus for opening. M. Whitehead and A. W. Keight. 2,079,094; May 4.
Stapling machine. B. B. Blanchard. 2,078,999; May 4.
Starting system for internal combustion engines, Electric. J. G. Sola. 2,078,980; May 4.
Steam and hot water boiler. D. Conckin. 2,079,546; May 4.
Steel and articles formed therefrom, Machineable. L. H. Winkler. 2,079,058; May 4.
Steering mechanism for motor vehicles. W. G. Thurber. 2,079,536; May 4.
Stock quotation projecting machine. A. D. Eitzen. 2,078,936; May 4.
Stockings, Manufacturing. E. Fischer. 2,079,439; May 4.
Stop motion for spinning frames. F. E. Harding. 2,079,012; May 4.
Streamline rail joint. M. Slyder. 2,079,533; May 4.
Structural joint. A. J. Matter. 2,079,575; May 4.
Stuffing box. G. J. Parks. 2,079,302; May 4.
Stylus arm switch. L. J. Andres. 2,078,928; May 4.
Subtracting and totaling device. A. W. Mills. 2,079,418; May 4.
Suction cleaner. J. R. Harris. 2,079,405; May 4.
Sulphate esters, Preparing unsaturated. A. J. Hallwood. 2,079,347; May 4.
Sulphur from acetic anhydride, Removal of. H. E. Martin. 2,079,127; May 4.
Superheater. C. A. Brandt. 2,079,104; May 4.
Support: *See*—
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Suspension means for internal combustion engines. H. L. Morris and F. E. Dayes. 2,079,358; May 4.
Sweeper, Suction. J. B. Kirby. 2,079,293; May 4.
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Switch controller, Railway. C. M. Hines. 2,079,015; May 4.
Switch device, Electric. S. B. Dick. 2,079,003; May 4.
Synthesis of higher amines. H. R. Arnold. 2,078,922; May 4.
Table: *See*—
  Fracture reducing table.
Table. B. Sabaneeff. 2,079,225; May 4.
Tag, Automobile identification. F. P. Hosker and R. T. Anderson. 2,079,408; May 4.
Tank construction, Vehicle. A. R. Ferguson. 2,078,939; May 4.
Tap, Bottle. S. C. St. Clair. 2,079,049; May 4.

Tap clamp. M. E. Noyes. 2,078,967; May 4.
Tapping and refill-controlling device for liquid containers. C. Karageorgieff. 2,079,121; May 4.
Tapping machine. G. W. Emrick. 2,079,371–2; May 4.
Teat cup. L. Dinesen. 2,079,435; May 4.
Telephone system, Inter-outer. R. Varley. 2,079,089; May 4.
Telescopic instrument. F. C. Wappler. 2,079,233; May 4.
Temperature compensating condenser. M. V. Weiss. 2,079,309; May 4.
Temperature, Method of and apparatus for controlling. H. A. Wadman. 2,079,566; May 4.
Temperature of fluids, Apparatus for regulating the. A. C. de Beauregard. 2,079,397; May 4.
Temperature regulation of converters. E. J. Houdry and R. C. Lassiat. 2,078,947; May 4.
Terminal, Pole cable. J. S. Baker. 2,078,991; May 4.
Textile process and product. C. Dreyfus and W. Whitehead. 2,079,108; May 4.
Theater chair. L. A. Meitzer. 2,078,961; May 4.
Thermionic devices, Operating point control for. G. W. Fyler. 2,079,444; May 4.
Thermometer for melting point apparatus. W. O. Geyer. 2,079,344; May 4.
Thermometer, Watertight portable. E. Barbier. 2,078,993; May 4.
Thread, Manufacture of. R. Picard. 2,079,524; May 4.
Threads and the like, Treatment of. W. I. Taylor. 2,079,133; May 4.
Tile, Composite roofing. E. B. Walton. 2,079,308; May 4.
Timer, Overvoltage. C. M. Burrill. 2,079,064; May 4.
Tire casing, Pneumatic. J. A. Walsh. 2,079,091; May 4.
Tire chain. J. D. Ross. 2,079,184; May 4.
Tires, Method and apparatus for testing. C. M. Sloman. 2,079,585; May 4.
Toaster, Automatic. J. W. Myers and G. M. Biddinger. 2,079,382; May 4.
Tool: *See*—
  Compressing tool. | Paring and coring tool.
  Marking tool.
Tool. F. C. Hopkins. 2,079,505; May 4.
Tool retainer. D. V. Clerk. 2,078,924; May 4.
Topical preparation. I. W. Grote. 2,079,166; May 4.
Toy. G. L. De Mott. 2,079,550; May 4.
Toy bank, Coin registering. M. De Cesare. 2,079,202; May 4.
Toy railway switch-throwing mechanism. W. E. Haupt. 2,079,251; May 4.
Toy track. A. R. Callahan. 2,079,065; May 4.
Traction wheel. J. M. Unseld. 2,079,471; May 4.
Transcribing apparatus. C. G. Ligh. 2,079,515; May 4.
Transformer and measuring condenser, Combination of current. G. Keinath. 2,079,071; May 4.
Trap for sinks, etc., Detachable sediment. H. Ranish. 2,079,038; May 4.
Trap for vacuum pumps, Oil. G. W. Harry. 2,079,406; May 4.
Trousers and forming same. D. M. Dean. 2,079,398; May 4.
Truck, Automobile. M. V. Gilson. 2,079,345; May 4.
Truck, Lifting. J. Loef. 2,079,078; May 4.
Truing apparatus for grinding wheels. H. O. Kranich. 2,079,076; May 4.
Truing device for fruit jar covers. H. S. Lubben. 2,079,020; May 4.
Tube: *See*—
  Electron tube. | Relay tube.
  Fluid cooled tube.
Tumbler, Continuously conditioning. F. J. Couch 2,079,280; May 4.
Turbine and steam generator, Combined. R. Hingst. 2,079,118; May 4.
Two-cycle Diesel engine. T. B. Danckwortt. 2,079,156; May 4.
Typewriter. W. C. Roe and F. J. Heavens. 2,079,337; May 4.
Typewriting machine. H. J. Hart. 2,079,013; May 4.
Typewriting machine. R. V. Reppert. 2,079,425; May 4.
Typographical composing machine. C. A. Albrecht. 2,079,196; May 4.
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Typographical machine. J. H. Hilpman. 2,079,209; May 4.
Uniflow gas engine. H. L. Johnson. 2,079,571; May 4.
Utensil manufacture. H. H. Maas. 2,079,126; May 4.
Vacuum cleaner bag. C. Kress. 2,079,413; May 4.
Vacuum-operated brake. J. H. Hunt. 2,079,409; May 4.
Valve: *See*—
  Relief valve.
Valve. A. G. Hann. 2,079,348; May 4.
Valve. J. Humblet. 2,079,212; May 4.
Valve and choke, Combination. J. R. Yancey. 2,079,195; May 4.
Valve converting apparatus, Electric. J. Neufeld. 2,079,084; May 4.
Valve for a refrigeration system. J. L. Shrode. 2,079,579; May 4.
Valve for oil burners, Control. J. H. McIlvaine. 2,079,025; May 4.
Valve for steam traps, Pilot. H. W. Justus. 2,079,412; May 4.
Vegetable fiber, Apparatus for drying. G. J. Lipscomb. 2,078,955; May 4.
Vehicle, Motor. J. M. Christman. 2,078,930–2; May 4.
Ventilator. J. H. McDerment. 2,079,576; May 4.
Vessel and support therefor, Liquid treating. R. M. Parsons. 2,079,333; May 4.
Vessel attachment, Cooking. J. T. Duarte. 2,079,281; May 4.
Vinyl formate, Production of. W. O. Herrmann. 2,079,068; May 4.
Viscosimeter. G. R. Eckstein. 2,079,247; May 4.
Voltage regulating equipment. J. W. Graff and S. J. Spurgeon. 2,079,206; May 4.
Voltage regulation. F. J. Champlin. 2,079,488; May 4.
Waist, Garter. T. G. Potter. 2,078,972; May 4.
Warp winding device. D. H. Garrett. 2,079,316; May 4.
Washing machine. A. Guignard. 2,078,941; May 4.
Wash-wringer. V. E. Knudtson. 2,079,074; May 4.
Water feeding device, Automatic. W. J. Woolley. 2,079,098; May 4.
Water flushing device. A. W. Moseley. 2,079,329; May 4.
Water in the tailrace of a hydraulic turbine installation, Maintaining a constant flow of. A. Young. 2,079,060; May 4.
Wax compositions, Manufacture of polishing. J. D. Pickens and T. R. Thompson. 2,078,971; May 4.
Weather control, Mild. A. V. Sampsel. 2,079,086; May 4.
Weaving apparatus. R. Fisher. 2,079,161; May 4.
Weighing apparatus for materials undergoing transference. N. A. Hallwood. 2,079,402; May 4.
Weighing mechanism. G. Lynch. 2,079,259; May 4.
Welding. J. E. Trainer. 2,079,265; May 4.
Welding, Method of and apparatus for electric. C. N. Mitchell. 2,078,964; May 4.
Welding or filler rod. H. C. Jennison. 2,079,411; May 4.
Welding rod. I. T. Bennett. 2,079,483; May 4.
Welding rod and the like. I. T. Bennett. 2,079,479–80; May 4.
Welding rod and the like. I. T. Bennett. 2,079,482; May 4.
Welding rod and the like. I. T. Bennett. 2,079,484 May 4.
Welding rod, Loaded phosphor-bronze. I. T. Bennett. 2,079,481; May 4.
Well drilling rig attachment. A. A. Haldeman. 2,079,449; May 4.
Wheel: *See*—
  Traction wheel.
Wheel-suspension device for automobiles. S. Jencick. 2,079,200; May 4.
Window, Outdoor battery brooder. E. S. Winn. 2,079,138; May 4.
Window runway or channel. J. S. Reid. 2,078,973; May 4.
Wiper, Mechanical windshield. C. J. Lauer. 2,079,573; May 4.
Wiper, Wind screen. H. Drew, W. O. Kennington, W. W. Constantine, and W. S. Ascough. 2,079,399; May 4.
Wire plant support. E. G. Overly. 2,079,332; May 4.
Work holding and safety device for paper cutting machines. D. M. Winans. 2,079,390; May 4.
Wreath. L. Grisolia. 2,079,250; May 4.
Wringer, Mop. S. Schulman. 2,079,186; May 4.
Yarn controlling device for knitting machines. J. Wachsman. 2,079,341; May 4.

CLASSIFICATION OF PATENTS

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NOTE.—First number = class, second number = subclass, third number = patent number

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71— 60: 2,079,324
72— 105: 2,079,478
2,079,538
106: 2,079,031
118: 2,079,194
73— 51: 2,079,474
2,079,585
110: 2,079,069
118: 2,078,993
151: 2,079,344
233: 2,079,197
261: 2,079,083
74— 30: 2,079,171
41: 2,079,276
236: 2,079,351
328: 2,079,451
74— 334: 2,079,529
493: 2,079,536
559: 2,079,254
574: 2,079,226
2,079,227
75— 41: 2,079,019
93: Re.20,349
123: 2,079,058
155: 2,079,411
80— 54: 2,079,455
81— 15: 2,079,498
15.1: 2,079,020
49: 2,079,505
82— 2: 2,079,181
83— 9: 2,079,221
45: 2,079,155
73: 2,079,565
91: 2,079,111
94: 2,078,933
84— 259: 2,078,979
87— 9: 2,079,051
28: 2,079,415
88— 16.6: Re.20,346
24: 2,078,936
2,078,937
49: 2,073,353
75: 2,079,508
79: 2,079,260
90— 59: 2,079,323
91— 16: 2,079,287
51: 2,079,563
68: 2,079,379
2,079,395
94— 8: 2,079,123
95— 7: 2,079,376
96— 13: 2,079,570
97— 73: 2,079,240
134: 2,079,531
98— 2: 2,079,203
42: 2,079,576
88: 2,079,138
99— 2: 2,079,340
64: 2,078,962
125: 2,079,030
128: 2,079,288
154: 2,079,304
155: 2,079,542
163: 2,079,336
277.1: 2,079,378
101— 38: 2,079,300
149: 2,079,470
247: 2,079,001
334: 2,079,080
338: 2,079,172
102— 29: 2,079,008
36: 2,079,178
39: 2,079,394
103— 120: 2,079,375
160: 2,079,119
104— 202: 2,079,491
105— 253: 2,079,322
299: 2,079,392
367: 2,079,238
414: 2,079,552
106— 9: 2,079,110
23: 2,078,954
2,079,350
24: 2,079,338
36.2: 2,079,339
40: 2,079,169
108— 7: 2,078,998
8: 2,079,308
24: 2,078,970
110— 104: 2,079,420
112— 79: 2,079,317
124: 2,079,493
200: 2,079,062
256: 2,079,568
262: 2,079,569
113— 21: 2,079,292
114— 102: 2,079,034
116— 31: 2,079,175
117— 30: 2,079,012
34: 2,079,433
119— 97: 2,079,107
120— 36: 2,079,356
46: 2,078,976
121— 32: 2,078,924
37: 2,079,014
41: 2,079,252
147: 2,079,041
194: 2,079,357
122— 74: 2,079,503
264: 2,079,546
462: 2,079,104
504.3: 2,078,990
123— 14: 2,079,192
46: 2,079,289
51: 2,079,156
53: 2,079,571
139: 2,078,934
169: 2,079,561
196: 2,079,275
128— 7: 2,079,233
57: 2,079,096
69: 2,079,311
76: 2,079,128
85: 2,079,567
127: 2,079,022
146: 2,079,581
2,079,582
327: 2,079,457
372: 2,078,975
129— 16.1: 2,079,442
23: 2,078,988
38: 2,079,388
131— 45: Re.20,355
51: 2,079,520
132— 1: 2,079,256
36: 2,079,079
79: 2,079,305
134— 1: 2,079,229
17: 2,079,319
24: 2,078,971
51: 2,078,921
58.5: 2,079,548
136— 26: 2,079,207
2,079,208
133: 2,079,495
137— 53: 2,079,164
69: 2,079,329
78: 2,079,063
101: 2,079,098
103: 2,079,412
138— 32: 2,079,269
139— 34: 2,079,161
76: 2,079,502
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257: 2,079,544
144— 3: 2,079,093
146— 194: 2,078,941
204: 2,079,496
219: 2,079,278
148— 11.5: 2,079,239
13: 2,079,334
16: 2,079,494
150— 1.5: 2,079,551
29: 2,078,995
35: 2,079,401
38: 2,078,935
152— 14: 2,079,091
2,079,184
2,079,235
153— 76: 2,079,553
154— 2: 2,079,173
2,079,467
33: 2,079,273
44: 2,079,374
155— 79: 2,079,176
85: 2,078,961
197: 2,078,985
156— 19: 2,079,267
44: 2,079,073
161— 17: 2,079,204
164— 59: 2,079,390
60: 2,079,180
111: 2,079,437
166— 1: 2,079,140
21: 2,079,431
2,079,517
166— 21: 2,079,518
167— 55: 2,079,512
63: 2,079,166
92: 2,078,943
169— 4: 2,079,438
23: 2,079,368
170— 159: 2,079,044
167: 2,079,486
171— 95: 2,079,472
2,079,485
119: 2,079,206
2,079,488
2,079,492
209: 2,079,447
252: 2,079,050
327: 2,079,540
172— 36: 2,079,143
2,079,151
126: 2,079,421
239: 2,079,004
2,079,124
2,079,253
2,079,465
276: 2,079,092
173— 273: 2,078,967
330: 2,079,234
175— 21: 2,079,241
41: 2,079,231
41.5: 2,079,309
182: 2,079,103
183: 2,079,064
315: 2,079,081
2,079,516
355: 2,079,016
358: 2,079,071
363: 2,079,084
2,079,500
176— 126: Re.20,347
178— 5: 2,079,310
23: 2,079,440
179— 1: 2,079,089
82: 2,079,262
100.3: 2,079,537
100.4: 2,079,572
171: 2,078,974
2,079,444
2,079,446
180— 54: 2,079,218
72: 2,079,290
183— 6: 2,078,925
51: 2,079,413
58: 2,079,315
69: 2,079,297
188— 58: 2,079,554
81: 2,079,054
90: 2,079,432
181: 2,079,409
189— 1: 2,078,968
2,079,461
28: 2,078,969
190— 45: 2,079,476
192— 4: 2,079,106
6: 2,079,284
45: 2,079,528
48: 2,079,527
68: 2,079,389
119: 2,078,928
148: 2,078,942
194— 7: 2,078,984
71: 2,079,000
196— 13: 2,079,035
18: 2,079,182
40: 2,079,443
47: 2,079,219
48: 2,079,159
49: 2,079,148
2,079,168
52: 2,078,946
2,078,950
2,078,951
223— 91: 2,079,036
106: 2,079,010
224— 45: 2,079,352
225— 1: 2,079,342
226— 51: 2,079,132
197— 4: 2,079,130
6.7: 2,079,236
17: 2,079,425
49: 2,079,337
88: 2,079,013
198— 220: 2,079,360
199— 18: 2,079,196
20: 2,079,200
33: 2,079,198
2,079,209
45: 2,079,199
200— 6: 2,079,003
31: 2,079,145
44: Re.20,352
50: 2,079,286
52: 2,079,153
58: Re.20,351
80: 2,079,539
92: 2,079,015
106: 2,079,577
113: 2,079,462
118: 2,079,174
121: 2,079,214
126: 2,079,047
131: 2,079,097
133: Re.20,354
139: 2,079,282
201— 63: 2,079,369
202— 51: 2,079,580
204— 5: 2,079,037
31: 2,079,557
206— 41: 2,079,141
2,079,188
56: 2,079,002
2,079,131
60: 2,078,959
208— 179: 2,079,185
209— 110: 2,079,422
437: 2,079,059
467: 2,079,246
210— 54: 2,078,977
164: 2,079,366
179: 2,079,365
184: 2,079,475
211— 10: 2,079,385
147: 2,079,224
213— 26: 2,079,011
36: 2,079,088
215— 5: 2,079,026
7: 2,079,545
23: 2,079,125
38: 2,079,146
2,079,147
2,079,320
52: 2,079,049
80: 2,079,526
216— 58: 2,078,923
2,079,321
217— 12: 2,079,330
26.5: 2,078,927
219— 4: Re.20,348
2,079,042
8: 2,079,479
2,079,480
2,079,481
2,079,482
2,079,483
2,079,484
10: 2,078,964
2,079,265
13: 2,079,152
19: 2,079,382
20: 2,079,466
220— 7: 2,079,458
24: 2,079,052
61: 2,079,114
221— 66: 2,079,364
95: 2,079,295
100: 2,079,027
2,079,427
223— 91: 2,079,036
106: 2,079,010
224— 45: 2,079,352
225— 1: 2,079,342
226— 51: 2,079,132

226—	80:	2,079,326	240—	41.3:	2,078,986	250—	27.5:	2,079,057	257—	262:	2,079,144
	82:	2,079,055		59:	2,079,075			2,079,137	259—	8:	2,078,983
229—	3.5:	2,079,177		81:	2,079,532			2,079,163		25:	2,079,272
	34:	2,079,087	241—	4:	2,078,972			2,079,354	260—	4:	2,079,210
	35:	2,079,211		7:	2,079,045			2,079,362		10:	2,079,313
	51:	2,079,328	242—	72:	2,079,277			2,079,477		31:	2,079,463
	53:	2,079,523		75:	Re.20,353		36:	2,079,134		36:	2,079,023
230—	170:	2,079,406	244—	1:	2,078,982	251—	39:	2,079,348		37:	2,078,996
232—	4:	2,079,202		16:	2,079,217		43:	2,079,025		39:	2,079,318
	7:	2,079,255	245—	8:	2,078,940		163:	2,079,212		41:	2,079,312
233—	1:	2,079,396	246—	3:	2,079,534	253—	117:	2,079,060		44.6:	2,079,499
	20:	2,079,006		34:	2,079,525			2,079,258		47:	2,079,416
235—	60:	2,079,355		231:	2,079,251	254—	2:	Re.20,350		99.12:	2,079,228
	61.6:	2,079,429	247—	2:	2,078,920			2,079,078			2,079,347
	61.8:	2,079,418		7:	2,078,991		80:	2,079,149		103:	2,079,487
	70:	2,079,464		39:	2,079,274		190:	2,079,299		106:	2,079,068
	131:	2,079,423	248—	7:	2,079,183	255—	19:	2,079,449		116:	2,079,216
	144:	2,079,434		9:	2,079,358		45:	2,079,189			2,079,490
236—	12:	2,079,397		21:	2,079,391		50:	2,079,417		122:	2,079,511
	15:	2,079,497		110:	2,079,285		71:	2,079,142		123:	2,079,127
		2,079,504		145:	2,079,510	257—	8:	2,079,453			2,079,325
		2,079,566		346:	2,078,989		9:	2,079,562		127:	2,078,922
	46:	2,079,086	249—	25:	2,079,402		76:	2,079,549		128:	2,078,960
	92:	8,079,579	250—	1:	2,079,205		130:	2,079,032		130.5:	2,079,450
237—	2:	2,079,157		6:	2,079,248			2,079,222		131:	2,078,978
	12.3:	2,079,381		17:	2,079,085		132:	2,079,327		150:	2,079,279
238:	219:	2,079,533		20:	2,079,445			2,079,380		154:	2,079,383
	321:	2,078,965		37:	2,078,994		171:	2,079,067		156:	2,079,414

260—	156.5:	2,079,403	280—	44:	2,079,293
	158:	2,079,541		47:	2,078,929
	168:	2,078,963	281—	1:	2,079,257
261—	18:	2,079,150	285—	169:	2,079,361
	30:	2,079,117	286—	16:	2,079,302
	69:	2,079,436	290—	37:	2,078,980
	91:	2,079,574			2,079,129
	121:	2,079,586	292—	5:	2,079,556
262—	28:	2,079,428		39:	2,079,018
	30:	2,078,944		60:	2,079,167
263—	15:	2,079,560		79:	2,079,522
265—	1:	2,079,021	294—	61:	2,079,193
	11:	2,079,247		92:	2,079,240
	36:	2,079,259	296—	44.5:	2,078,973
267—	11:	2,078,930		116:	2,079,232
	19:	2,079,314	298—	7:	2,079,345
	20:	2,078,931	299—	54:	2,078,987
		2,078,932		85:	2,079,564
271—	2.6:	2,079,223		120:	2,079,430
273—	32:	2,079,261	301—	46:	2,079,471
	33:	2,079,387		47:	2,079,501
	85:	2,079,136	303—	1:	2,079,100
274—	1:	2,079,515	304—	5:	2,079,575
	5:	2,079,116	308—	2:	2,079,113
275—	1:	2,079,061	309—	14:	2,079,441
277—	12:	2,079,195	311—	81:	2,079,225
	66:	2,079,121	312—	74:	2,079,005
280—	5:	2,078,939			

U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Alta Winery & Distillery, Inc., Dinuba, Calif. Wines. Serial No. 389,705; May 11. Class 47.

American Brakeblok Corporation, New York, N. Y., and Detroit, Mich. Frictional elements for brakes and clutches. Serial No. 390,300; May 11. Class 35.

American Dirigold Corporation, The, Kokomo, Ind. Dresser sets. Serial No. 372,199; May 11. Class 40.

American Factors, Limited, Honolulu, Hawaii. Cigars and cheroots. Serial No. 383,835; May 11. Class 17.

American Optical Company, Southbridge, Mass. Ophthalmic lenses and blanks for ophthalmic lenses. Serial No. 388,698; May 11. Class 26.

American Pullmatch Corporation, Piqua, Ohio. Matches. Serial No. 390,541; May 11. Class 9.

Amfre Drug Company, Inc., New York, N. Y. Ointment for treatment of skin disease. Serial No. 389,970; May 11. Class 6.

Antoni, Alphonse, doing business as Hamatic Manufacturing Co., Gary, Ind. Preparation for the treatment of sores, etc., liniment, etc. Serial No. 371,408; May. 11. Class 6.

Appleton Wire Works, Inc., Appleton, Wis. Fourdrinier wires. Serial No. 388,699; May 11. Class 23.

Atlas Underwear Company, The, Piqua, Ohio. Men's knitted underwear. Serial No. 387,429; May 11. Class 39.

Austin, Frank E., Hanover, N. H. Scenic insect cages. Serial No. 389,596; May 11. Class 50.

Aviation Equipment & Export Inc., New York, N. Y. Wood used in the construction of airplanes, etc. Serial No. 389,714; May 11. Class 12.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 387,728; May 11. Class 17.

B. V. D. Corporation, The, Baltimore, Md. Sport shirts. Serial No. 388,383; May 11. Class 39.

Babyette Co. (See Smith, Margaret W.)

Bachmann Brothers, Philadelphia, Pa. Goggles. Serial No. 388,523; May 11. Class 26.

Ball, Otho F., Chicago, Ill. Periodical. Serial No. 388,384; May 11. Class 38.

Bancroft, Joseph, & Sons Co., Rockford, Wilmington, Del. Cotton, linen, wool, etc., in the piece. Serial No. 376,889; May 11. Class 42.

Baton Rouge Rice Mill Inc., Baton Rouge, La. Rice. Serial No. 389,541; May 11. Class 46.

Beacon Publishing Company, The, Wichita, Kans. Newspaper column. Serial No. 389,345; May 11. Class 38.

Ben-Burk, Inc., Boston, Mass. Dry gin. Serial No. 390,259; May 11. Class 49.

Berkshire Knitting Mills, Wyomissing and Reading, Pa. Hosiery. Serial No. 390,159; May 11. Class 39.

Beruth Company. (See Grossman, Harry G.)

Black Flag Company, The, Baltimore, Md. Insecticides. Serial No. 389,631; May 11. Class 6.

Blaisdell Pencil Company, Philadelphia, Pa. Lead pencils and penholders. Serial No. 389,599; May 11. Class 37.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. Serial No. 390,262; May 11. Class 42.

Bolta Rubber Co. Inc., Lawrence, Mass. Cameras, camera parts, telescopes, etc. Serial No. 387,857; May 11. Class 26.

Bonnaire, Claud, London, England. Maps. Serial No. 382,256; May 11. Class 38.

Booth, Eden C., doing business as Colonial Poultry Farms, Pleasant Hill, Mo. Live poultry and baby chicks. Serial No. 389,670; May 11. Class 46.

Borden Company, The, New York, N. Y. Milk food for infants. Serial No. 390,407; May 11. Class 46.

Borg, Oscar C. W., Long Beach, Calif. Laxative tablets. Serial No. 389,671; May 11. Class 6.

Borst & Burhans Co., Cobleskill, N. Y. Prepared buckwheat and prepared wheat pancake flour. Serial No. 389,636; May 11. Class 46.

Bostonia Products Co., Boston, Mass. Paste-like toilet soaps. Serial No. 389,975; May 11. Class 4.

Bowersox, Marvin W., Wichita, Kans. Loose fill insulation material. Serial No. 389,208; May 11. Class 12.

Boyle Wholesale Liquor Company, Lexington, Ky. Whiskey. Serial No. 390,896; May 11. Class 49.

Bradley, Milton, Company, Springfield, Mass. Board game. Serial No. 390,776; May 11. Class 22.

Breon, George A., & Co., Inc., Kansas City, Mo. Laxative preparation. Serial No. 390,410; May 11. Class 6.

Broune, Abel U., doing business as Champion Electric Fuse Company, New York, N. Y. Electric fuses and fuse devices. Serial No. 390,306; May 11. Class 21.

Browne Laboratories, Inc., Brooklyn, N. Y. Joint-sealing compounds of pipes, etc. Serial No. 389,601; May 11. Class 12.

Bruce's Juices, Inc., Tampa, Fla. Canned citrus fruits and canned citrus juices for food purposes. Serial No. 386,927; May 11. Class 46.

Buring, Leo, Limited, Sydney, New South Wales, Australia. Wines. Serial No. 378,357; May 11. Class 47.

Campbell, Phoebe, Montreal, Quebec, Canada. Perfume preparation. Serial No. 369,431; May 11. Class 6.

Carson Pirie Scott & Company, Chicago, Ill. Dresses, suits, overalls, etc. Serial No. 390,194; May 11. Class 39.

Casket Appliance Corporation, New York, N. Y. Caskets. Serial No. 390,778; May 11. Class 2.

Chambers, Charles S., Tampa, Fla. Cigars, cigarettes, chewing and smoking tobacco. Serial No. 383,802; May 11. Class 17.

Champion Chemical Works, Incorporated, New York, N. Y. Cleaning compound for porcelain, enamel, and the like. Serial No. 390,263; May 11. Class 4.

Champion Electric Fuse Company. (See Broune, Abel U.)

Chryson's Ltd., doing business as Chryson, Los Angeles, Calif. Liquid cream to prevent sun burn. Serial No. 388,769; May 11. Class 6.

Cleveland Press, The. (See Scripps Publishing Company, The.)

Colonial Poultry Farms. (See Booth, Eden C.)

Colony Laboratories, Inc., New Haven, Conn. Preparation for the treatment of dandruff. Serial No. 388,912; May 11. Class 6.

Connecticut Broach & Machine Co., The, New London, Conn. Broaching tools. Serial No. 390,358; May 11. Class 23.

Continental Oil Company, Ponca City, Okla. Lubricating oils. Serial No. 376,378; May 11. Class 15.

Crosley Radio Corporation, The, Cincinnati, Ohio. Radio receiving sets. Serial No. 390,050; May 11. Class 21.

D. D. Manufacturing, Inc., Cleveland, Ohio. Receptacle for food and drink for domestic animals. Serial No. 389,236; May 11. Class 2.

Dant & Head Distilling Company, Inc., Louisville, Ky. Whiskey. Serial No. 390,109; May 11. Class 49.

Davis, H. B., Co., The, Baltimore, Md. Dry and ready mixed paints, paint enamels, stains, etc. Serial No. 390,693; May 11. Class 16.

Davis, Morten, Company, The, Dallas, Tex. Ladies' coats, suits, and dresses. Serial No. 382,196; May 11. Class 39.

Dell Publishing Company, Inc., New York, N. Y. Periodicals. Serial No. 389,348; May 11. Class 38.

Derris, Inc., New York, N. Y. Liquid rubless floor wax, and furniture polish. Serial No. 390,646; May 11. Class 16.

Derris, Inc., New York, N. Y. Liquid rubless floor wax, and furniture polish. Serial No. 390,843; May 11. Class 16.

Diamond & Baum, Inc., New York, N. Y. Coats and suits. Serial No. 390,054; May 11. Class 39.

Die Piperdrucke Verlags-Ges. m. b. H., Munich, Germany. Multicolored reproductions of heliographical printings. Serial No. 388,975; May 11. Class 38.

Dorr Company, Inc., The, New York, N. Y. Apparatus or equipment for the separation of solids from liquids. Serial No. 388,612; May 11. Class 23.

Eaton-Clark Company, Detroit, Mich. Dyes and dyestuffs. Serial No. 389,981; May 11. Class 6.

Ellis, Carleton, assignor to Ellis Laboratories, Inc., Montclair, N. J. Synthetic resin composition. Serial No. 384,454; May 11. Class 1.

Enterprise Foundry Company, Belleville, Ill. Stoves and ranges. Serial No. 389,552; May 11. Class 34.

Erlanger, N., Blumgart & Co. Inc., New York, N. Y. Silk piece goods. Serial No. 374,821; May 11. Class 42.

Expert Coat Co. (See Smith, Sheldon S.)

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Refill leads for mechanical pencils. Serial No. 387,992; May 11. Class 37.

Farmaceutické Závody "Norgine" Akc. Spol., Prague, Czechoslovakia. Sleep inducing preparations, narcotics, analgesics, etc. Serial No. 377,079; May 11. Class 6.

Federal Razor Blade Company, The, Newark, N. J. Razor blades. Serial No. 390,313; May 11. Class 23.

Finders Manufacturing Company, Chicago, Ill. Metal dance shoe taps. Serial No. 388,930; May 11. Class 13.

Finkel, Jack, Los Angeles, Calif. Ladies' hats. Serial No. 384,523; May 11. Class 39.

Finn, John, Jr., San Francisco, Calif. Mufflers for internal combustion engines. Serial No. 387,666; May 11. Class 23.

Finsterwald Clothing Company, Detroit, Mich. Coats, suits, and overcoats. Serial No. 390,020; May 11. Class 39.

Florida Shrimp Company. (See Litrico, S.)

Folmer Graflex Corporation, The, Rochester, N. Y. Cameras, apparatus for printing from photographic negatives, tripods, etc. Serial No. 386,644; May 11. Class 26.

Food Machinery Corporation, San Jose, Calif. Citrus fruit. Serial No. 390,615; May 11. Class 46.
Foote, D. E., & Company, Inc., Baltimore, Md. Canned vegetables. Serial No. 389,875; May 11. Class 46.
Forhan's Nuplate Dental Company, Incorporated, Stamford, Conn. Rebasing and refitting plastic hardening material for maintaining a perfect adaptation of false teeth plates to shrinking gums. Serial No. 387,702; May 11. Class 44.
General Sports Inc., Chicago, Ill. Golf balls. Serial No. 389,215; May 11. Class 22.
Golden Belt Manufacturing Company, Durham, N. C. Hosiery. Serial No. 389,826; May 11. Class 39.
Goldsmith-Stoll & Co., Chicago, Ill. Fur coats, fur scarves, fur wraps, etc. Serial No. 389,556; May 11. Class 39.
Grauman Supply Co., Denver, Colo. Billiard cue chalk, billiard tables, billiard cloth, etc. Serial No. 390,650; May 11. Class 22.
Graves, C. H., and Sons Company, Boston, Mass. Whiskey. Serial No. 387,502; May 11. Class 49.
Greenberg, Morris, New York, N. Y. Ladies' slippers. Serial No. 388,982; May 11. Class 39.
Grossman, Harry G., doing business as Beruth Company, New York, N. Y. Game. Serial No. 390,519; May 11. Class 22.
Gruen Watch Company, The, Cincinnati, Ohio. Watch cases, watches, and watch movements. Serial No. 390,597; May 11. Class 27.
Hamatic Manufacturing Co. (See Antoni, Alphonse.)
Hammond Machinery Builders, Inc., Kalamazoo, Mich. Sawing and trimming machines. Serial No. 390,318; May 11. Class 23.
Hardwick & Magee Company, Philadelphia, Pa. Carpets and rugs. Serial No. 389,245; May 11. Class 42.
Harshman, Paul I., doing business as Lucy Ellen Candy Co., Sullivan, Ill. Candy. Serial No. 390,366; May 11. Class 46.
Harward, John. (See Williams, Jay J.)
Hel-Ho Products Corporation, City Island, New York, N. Y. Soap. Serial No. 390,273; May 11. Class 4.
Home Helpers Co. (See Wittman, Hugo.)
Horance, Paul M., New York, N. Y. Fur coats. Serial No. 389,827; May 11. Class 39.
House of Westmore, The, Los Angeles, Calif. Cosmetics, manicuring, and toilet preparations. Serial No. 389,204; May 11. Class 6.
Hudnut, Richard, New York, N. Y. Lipstick, rouge, face powder, etc. Serial No. 388,836; May 11. Class 6.
Huffman Chemical Corporation, The, Bedford Hills, N. Y. Preparation to protect plants against blights. Serial No. 389,519; May 11. Class 6.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial resins. Serial Nos. 389,319–20; May 11. Class 1.
Imperial Brass Manufacturing Company, The, Chicago, Ill. Valves. Serial No. 389,989; May 11. Class 13.
Jaeckl, A., Fabrics, Inc., New York, N. Y. Silks. Serial No. 390,168; May 11. Class 42.
Junkers & Co. Gesellschaft mit beschränkter Haftung, Dessau, Germany. Water heaters, heating boilers, and parts thereof, etc. Serial No. 350,223; May 11. Class 34.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Meats and packing house products. Serial No. 384,257; May 11. Class 46.
Kanket Corporation, New York, N. Y. Loose leaf binders. Serial No. 389,360; May 11. Class 37.
Kaufmann Bros. & Bondy, Inc., West New York, N. J. Pipes, cigar holders, and cigarette holders. Serial No. 379,099; May 11. Class 8.
Kewanee Boiler Corporation, Kewanee, Ill. Boilers, heaters, and casings for fuel-burning housheaters. Serial No. 388,007; May 11. Class 34.
Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. Serial No. 389,068; May 11. Class 40.
Koss, Morgan & Brookes, Chicago, Ill. Posters. Serial No. 389,185; May 11. Class 38.
Kuller, Moses, doing business as Tru-Seal Lingerie Co., New York, N. Y. Negligee, slips, bloomers, etc. Serial No. 388,692; May 11. Class 39.
Laboratoires de L'Ostreiode. (See Loubatie, Réné.)
La Salle Handbag Co., Inc., New York, N. Y. Ladies' handbags and handbag frames. Serial No. 390,074; May 11. Class 3.
LaTouraine Coffee Co., Boston, Mass. Coffee. Serial No. 382,408; May 11. Class 46.
Leggett, Francis H., & Company, New York, N. Y. Canned freestone sliced peaches. Serial No. 387,873; May 11. Class 46.
Leigh, Ethel T., doing business as The Traphagen School of Fashion, New York, N. Y. Artistic drawings for textile designs. Serial No. 390,171; May 11. Class 38.
Lenson, U. & J., Corp., The, New York, N. Y. Coffee. Serial No. 385,239; May 11. Class 46.
Levinsohn, Frank, Co., Inc., New York, N. Y. Coats and suits. Serial No. 390,172; May 11. Class 39.
Lilienthal, Felix, & Co., Inc., New York, N. Y. Silk and rayon piece goods. Serial No. 389,323; May 11. Class 42.
Liquor Distributors of America, Newark, N. J. Wines. Serial No. 389,738–9; May 11. Class 47.
Litrico, S., doing business as Florida Shrimp Company, St. Augustine, Fla. Canned and glass packed shrimp. Serial No. 389,921; May 11. Class 46.
Livingston, L. D., & Sons, New York, N. Y. Blouses, dresses, sweaters, etc. Serial No. 389,186; May 11. Class 39.
London House, Ltd., New York, N. Y. Pipes, ashtrays, ash receivers, etc. Serial No. 389,079; May 11. Class 8.
Loric, Edgar J., Inc., New York, N. Y. Ladies' hats. Serial No. 388,456; May 11. Class 39.
Lorraine Manufacturing Company, Pawtucket, R. I. Cotton, silk, rayon, etc., fabrics in the piece. Serial No. 390,221; May 11. Class 42.
Loubatie, Réné, doing business as Laboratoires de L'Ostreiode, Arcachon, France. Iodized sea water. Serial No. 390,123; May 11. Class 6.
Lowe, Joe, Corporation, New York, N. Y. Handle sticks for confectionery products. Serial No. 383,585; May 11. Class 13.
Lowe, Joe, Corporation, New York, N. Y. Handle sticks for confectionery products. Serial No. 383,587; May 11. Class 13.
Lowe, Joe, Corporation, New York, N. Y. Handle sticks for confectionery products. Serial No. 383,590; May 11. Class 13.
Lucy Ellen Candy Co. (See Harshman, Paul I.)
Markwell Manufacturing Company, Inc., New York, N. Y. Stapling machines. Serial Nos. 390,152–4; May 11. Class 23.
Mason-Neilan Regulator Company, Boston, Mass. Diaphragm control valves, pilot operated reducing valves, pressure regulating valves, etc. Serial No. 389,928; May 11. Class 13.
Masson, Paul, Champagne Company, Saratoga, Calif. Wines. Serial No. 389,030; May 11. Class 47.
Merck & Co. Inc., Rahway, N. J. Aluminum radiator anti-leak cement, a motor priming ether, etc. Serial No. 376,175; May 11. Class 6.
Merck & Co. Inc., Rahway, N. J. Volatile fluid for dry-cleaning. Serial No. 376,176; May 11. Class 4.
Mil-Ford Food Products Co., Milford, Mich. Popped corn kernels, popped rice kernels, popped oat kernels, etc. Serial No. 390,126; May 11. Class 46.
Mitchell, Albert H., Bellerose, L. I., N. Y. Liquid cements. Serial No. 390,224; May 11. Class 5.
Miwa, Zembey, Tokyo, Japan. Soaps. Serial No. 387,387; May 11. Class 4.
Miwa, Zembey, Tokyo, Japan. Cod liver oil. Serial No. 387,388; May 11. Class 6.
Muller, J. Wm., doing business as Muller Bros., Washington, Ill. Milk. Serial No. 390,768; May 11. Class 46.
National Department Stores Management & Buying Corporation, New York, N. Y. Radio receiving and transmitting sets and parts thereof, electric amplifiers, etc. Serial No. 389,093; May 11. Class 21.
National Pectin Products Company, Chicago, Ill. Manilla board tubular containers. Serial No. 389,932; May 11. Class 2.
New Era Shirt Company, St. Louis, Mo. Shirt collars. Serial No. 390,178; May 11. Class 39.
New Jersey Jewelers Supply House, Newark, N. J. Watch parts. Serial No. 385,534; May 11. Class 27.
Northern Paper Mills, Green Bay, Wis. Paper towels. Serial No. 386,573; May 11. Class 37.
Nu-Di Products Company, The, Cleveland, Ohio. White shoe cleaner. Serial No. 388,105; May 11. Class 4.
Nusbaum, Herbert F., New York, N. Y. Irradiated and ozonated solid and liquid petrolatum. Serial No. 389,761; May 11. Class 6.
Oconomowoc Canning Co., Oconomowoc, Wis. Canned vegetables. Serial No. 390,179; May 11. Class 46.
Olivoint Chemical Company, San Francisco, Calif. Medicinal compound. Serial No. 389,691; May 11. Class 6.
Olt, Philip, Pekin, Ill. Duck calls, goose calls, hawk calls, etc. Serial No. 388,721; May 11. Class 22.
Pacific Lumber Company, The, San Francisco, Calif. Finely shredded bark for thermal and sound insulation. Serial No. 389,149; May 11. Class 12.
Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, sachet, etc. Serial No. 390,130; May 11. Class 6.
Parke, Davis & Company, Detroit, Mich. Preparation of psyllium seed with vitamin B. Serial No. 389,795; May 11. Class 6.
Parker Rust-Proof Company, Detroit, Mich. Metal cleaning compound. Serial No. 389,848; May 11. Class 6.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Dry alkaline detergents. Serial No. 390,377; May 11. Class 4.
Pilot Radio Corporation, Long Island City, N. Y. Radio receiving apparatus. Serial No. 386,375; May 11. Class 21.
Platten Brothers, Green Bay, Wis. Whiskey. Serial No. 390,937; May 11. Class 49.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Shirts, pajamas, suits, etc. Serial No. 374,057; May 11. Class 39.
Pollack, Jacob, & Sons, New York, N. Y. Overcoats and topcoats. Serial No. 385,859; May 11. Class 39.
Prosperity Company, Inc., The, Syracuse, N. Y. Motor driven timing device. Serial No. 387,513; May 11. Class 21.
Public Ledger, Inc., Philadelphia, Pa. Newspaper syndicated illustrated feature. Serial No. 389,938; May 11. Class 38.
Raleigh Haberdasher, Inc., Washington, D. C. Suits, overcoats, and topcoats. Serial No. 390,086; May 11. Class 39.
Raymond Neon Light Inc., Detroit, Mich. Electric transformers. Serial No. 390,297; May 11. Class 21.
Rexair, Inc., Detroit, Mich. Germicide. Serial No. 389,528; May 11. Class 6.
Richfield Oil Corporation of New York, New York, N. Y. Petroleum products. Serial No. 376,545; May 11. Class 15.
Ruddy, Manuel, doing business as Ruddy Laboratories, St. Paul, Minn. Self-adhering gauze. Serial No. 384,268; May 11. Class 44.
S. M. Laboratories, Inc., Seattle, Wash. Preparation for feminine hygiene. Serial No. 389,754; May 11. Class 6.
San Antonio Land Co. (See Tribolet, Louise.)
Sanders Manufacturing Company, Nashville, Tenn. Wood cased lead pencils. Serial No. 389,799; May 11. Class 37.
Schoemann & Mayer, Inc., New York, N. Y. Bird cages, stands, and incidental equipment for bird cages. Serial No. 388,072; May 11. Class 2.
Scripps Publishing Company, The, doing business as The Cleveland Press, Cleveland, Ohio. Section or column in a newspaper or periodical. Serial No. 389,532; May 11. Class 38.
Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Topcoats for men. Serial No. 389,441; May 11. Class 39.
Silver Service Club, Inc., Newark, N. J. Silverplated tableware and silverplated cutlery. Serial No. 388,547; May 11. Class 28.
Smith, Margaret W., doing business as Babyette Co., San Marino, Calif. Combination nursery cabinet and dressing table. Serial No. 388,804; May 11. Class 32.
Smith, Sheldon S., doing business as Expert Coat Co., Springfield, Mass. Women's coats. Serial No. 387,600; May 11. Class 39.
Società Anonima Giuseppe Garolla, Limena, Italy. Machines for the oenological industry, centrifugal must extractors, pumps, etc. Serial No. 386,048; May 11. Class 23.
Sonneborn, L., Sons, Inc., New York, N. Y. Dispersing agent. Serial No. 388,853; May 11. Class 6.
Spak Treger Fur Corporation, Chicago, Ill. Fur coats. Serial No. 390,097; May 11. Class 39.
Squibb, E. R., & Sons, New York, N. Y. Sholagogues and choleretics. Serial No. 389,662; May 11. Class 6.
Stall, N. B., doing business as Tonsil E-Z-E Laboratories, Ada, Okla. Liquid preparation for use in the treatment of tonsilitis. Serial No. 390,030; May 11. Class 6.
Street, R. R., & Co. Inc., Chicago, Ill. Dry cleaning compounds. Serial No. 390,284; May 11. Class 4.
Stresen-Reuter, Fred'k A., Inc., Chicago, Ill. Paints, varnishes, paint enamels, etc. Serial No. 377,029; May 11. Class 16.
Sunset Feed & Grain Co. Inc., Buffalo, N. Y. Milk sugar feed. Serial No. 388,809; May 11. Class 46.
Tennessee Eastman Corporation, Kingsport, Tenn. Vermicide. Serial No. 389,701; May 11. Class 6.
Terni, Arthur D., Millerton, N. Y. Fishing tackle and supplies. Serial No. 390,188; May 11. Class 22.
Tonsil E-Z-E Laboratories. (See Stall, N. B.)
Traffic Service Corporation, The, Chicago, Ill. Magazine. Serial No. 388,421; May 11. Class 38.
Traphagen Schoole of Fashion, The. (See Leigh, Ethel T.)
Tribble, Walter, Oakland, Calif. General household cleanser and detergent. Serial No. 386,971; May 11. Class 4.
Tribolet, Louise, doing business as San Antonio Land Co., Nogalez, Ariz. Fresh vegetables. Serial No. 389,577; May 11. Class 46.
Trinity Portland Cement Company, Chicago, Ill. Portland cement. Serial No. 389,535; May 11. Class 12.
Tru-Seal Lingerie Co. (See Kuller, Moses.)
Undurraga, Francisco R., Estacion Santa Ana, Chile. Wines. Serial No. 365,046; May 11. Class 47.
United Buyers Corporation, Chicago, Ill. Canned salmon, coffee, food flavoring extracts, etc. Serial No. 376,014; May 11. Class 46.
U. S. Laminated Glass Corporation, Indianapolis, Ind. Laminated glass spectacle lenses and blanks therefor. Serial No. 361,198; May 11. Class 26.
Universal Plastics Corporation, New Brunswick, N. J. Synthetic phenol-formaldehyde resin molding powder. Serial No. 389,809; May 11. Class 1.
Upjohn Company, The, Kalamazoo, Mich. Vitamin preparation. Serial No. 390,291; May 11. Class 6.
Van Patten Pharmaceutical Co., Chicago, Ill. Medicinal preparation. Serial No. 389,894; May 11. Class 6.
Vellumoid Company, The, Worcester, Mass. Gaskets, washers, or packing, and fibrous composition packing material in the sheet. Serial No. 387,956; May 11. Class 35.
Victor Safe & Equipment Company, Inc., The, North Tonawanda, N. Y. File cabinets, drawers, and parts thereof. Serial No. 390,145; May 11. Class 32.
Vimpep Foods, Inc., Cambridge, Md. Dog food and cat food. Serial No. 388,999; May 11. Class 46.
Vollrath Co., The, Sheboygan, Wis. Enameled base metal cooking hollowware. Serial No. 388,555; May 11. Class 13.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods, pillow cases, and sheets. Serial No. 390,336; May 11. Class 42.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Children's underwear. Serial No. 389,002; May 11. Class 39.
Ward Leonard Electric Company, Mount Vernon, N. Y. Electric illumination control apparatus, electric rectifiers, electric theatre dimmers, etc. Serial No. 380,684; May 11. Class 21.
Ward Leonard Electric Company, Mount Vernon, N. Y. Electric control apparatus, theatre dimmers, etc. Serial No. 390,337; May 11. Class 21.
Weil, H. S., Company, The, Cleveland, Ohio. Jigger coats. Serial No. 389,956; May 11. Class 39.
West Indies Rum Distilleries, Inc., Ponce and Playa Ponce, P. R. Rum. Serial Nos. 388,880–1; May 11. Class 49.
Western Chair Company, Roslindale, Mass. Tea wagons, bridge tables, serving tables, etc. Serial No. 387,957; May 11. Class 32.
Williams, Jay J., doing business as John Harward, Arlington, Va. Comic strips. Serial No. 384,308; May 11. Class 38.
Winroy Foods, Inc., Brooklyn, N. Y. Fruit juices for beverage purposes. Serial No. 389,342; May 11. Class 45.
Winter-Drittel, Inc., New York, N. Y. Dresses and blouses. Serial No. 389,952; May 11. Class 39.
Wishnick-Tumpeer, Inc., Chicago, Ill. Certain chemicals. Serial No. 377,489; May 11. Class 6.
Wittman, Hugo, doing business as Home Helpers Co., Buffalo, N. Y. Chemical substance for aiding in the cleaning of tanks, etc. Serial No. 388,078; May 11. Class 6.
Wood, Clarence L., London, England. Photographic and kinematographic films. Serial No. 387,301; May 11. Class 26.
Woolrich Woolen Mills, Woolrich, Pa. Woolen piece goods. Serial No. 390,395; May 11. Class 42.

LIST OF REGISTRANTS OF TRADE-MARKS

Abrams & Linden, Inc., New York, N. Y. Furs in the piece. 345,930; May 11; Serial No. 386,837; published Mar. 2, 1937. Class 1.
Accordiana, Inc., New York, N. Y. Piano accordions. 345,987; May 11; Serial No. 387,308; published Mar. 2, 1937. Class 36.
Acheson Harden Co., New York, N. Y. Men's handkerchiefs. 345,892; May 11; Serial No. 386,143; published Feb. 9, 1937. Class 39.
Acme Flour Mills Co., The, Oklahoma City, Okla. Wheat flour. 346,003; May 11; Serial No. 387,425; published Mar. 2, 1937. Class 46.
Aluminum Ore Company, Pittsburgh, Pa. Alumina, aluminum fluoride, sodium fluoride, etc. 345,876; May 11; Serial No. 385,819; published Mar. 2, 1937. Class 6.
American Crayon Company, The, Sandusky, Ohio. Plastic modeling sets and toy coloring sets for children. 345,817; May 11; Serial No. 373,351; published Mar. 2, 1937. Class 22.
American Sales Book Company, Ltd., Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y., assignor to American Sales Book Company Inc. Attachments for holding stationery supplies. 346,012; May 11. Class 23.
American Saw & Mfg. Co., Springfield, Mass. Hack saw blades. 345,920; May 11; Serial No. 386,671; published Mar. 2, 1937. Class 23.
American Stores Company, Philadelphia, Pa. Prune juice for beverage purposes. 345,881; May 11; Serial No. 385,961; published Mar. 2, 1937. Class 45.

Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Electric suction-cleaners. 116,198; renewed Apr. 17, 1937.

Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. 345,889; May 11; Serial No. 386,090; published Mar. 2, 1937. Class 6.

Atlantic Refining Company, The, Philadelphia, Pa. Oils and greases. 117,203; renewed July 3, 1937.

Avery, Ray S., Los Angeles, Calif. Price stickers, labels, and strip gummed paper. 346,036; May 11. Class 37.

Avon Lamp Works, Inc., Newark, N. J. Electric bulbs. 345,839; May 11; Serial No. 382,764; published Mar. 2, 1937. Class 21.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 345,900; May 11; Serial No. 386,284; published Mar. 2, 1937. Class 17.

Babcock, A. P., Company, Rutherford, N. J., and New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 345,921; May 11; Serial No. 386,672; published Mar. 2, 1937. Class 6.

Backus, Edwin J., Chicago, Ill. Iron preparation for increasing the red blood corpuscles. 345,923; May 11; Serial No. 386,704; published Mar. 2, 1937. Class 6.

Balkamp Manufacturing Corporation, Indianapolis, Ind. Cylinder heads, manifolds, axle shafts, etc. 345,825; May 11; Serial No. 378,874; published Mar. 2, 1937. Class 23.

Baptisine Pharmacal Co., The, assignor to Baptisine Pharmacal Company, St. Louis, Mo. Antiseptic lotion. 116,112; renewed Apr. 10, 1937.

Barker Bros., Incorporated, Los Angeles, Calif. Furniture. 345,850; May 11; Serial No. 384,188; published Mar. 2, 1937. Class 32.

Barnett, Morris H., assignor to M. H. Barnett Company, Inc., Springfield, Mass. Cigars. 118,740; renewed Oct. 2, 1937.

Beck, A. S., Shoe Corporation, New York, N. Y. Shoes for women. 345,969; May 11; Serial No. 387,167; published Feb. 23, 1937. Class 39.

Belle Form Brassiere Co. (See Smith, Lewis.)

Belmont Hosiery Company, Belmont, N. H. Hosiery. 346,029; May 11. Class 39.

Bienaime, Inc., doing business as Marcel Rochas, New York, N. Y. Perfumes, toilet water. 345,845; May 11; Serial No. 383,464; published Mar. 2, 1937. Class 6.

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Rugs and carpets. 345,970; May 11; Serial No. 387,168; published Mar. 2, 1937. Class 42.

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Woven textile rugs and carpets. 346,028; May 11. Class 42.

Bittner, Hunsicker & Company, Allentown, Pa. Overalls, work-shirts, and hosiery. 116,582; renewed May 15, 1937.

Blaize Blue Razor Blade Co., Detroit, Mich. Safety razor blades. 345,893; May 11; Serial No. 386,197; published Mar. 2, 1937. Class 23.

Brand & Oppenheimer, Inc., New York, N. Y. Fabric made of acetate and tussah silk yarn. 345,842; May 11; Serial No. 383,083; published Mar. 2, 1937. Class 42.

Brick, Alexander, Los Angeles, Calif. Mixed rayon and wool piece goods. 345,901; May 11; Serial No. 386,304; published Mar. 2, 1937. Class 42.

Briones & Co., Inc., New York, N. Y. Olive oil. 345,887; May 11; Serial No. 386,072; published Mar. 2, 1937. Class 46.

Brough, Edward, Cleveland, Ohio. Beverage and sirup and extract for making the same. 345,980; May 11; Serial No. 387,266; published Mar. 2, 1937. Class 45.

Broward, Ida L., doing business as I. L. Broward, Jacksonville, Fla. Liquid hair and scalp preparation. 345,981; May 11; Serial No. 387,267; published Mar. 2, 1937. Class 6.

Brown, Alfred J., Seed Company, Grand Rapids, Mich. Seeds. 118,379; renewed Sept. 4, 1937.

Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 345,882; May 11; Serial No. 385,967; published Jan. 26, 1937. Class 39.

Buerkle, Homer F., Batavia, Ohio. Beverages and sirups and extracts for making the same. 345,931; May 11; Serial No. 386,846; published Mar. 2, 1937. Class 45.

Burmel Handkerchief Corporation, New York, N. Y. Handkerchiefs. 345,963; May 11; Serial No. 387,113; published Mar. 2, 1937. Class 39.

Butler Paper Corporation, Chicago, Ill. Printing papers and bond papers. 346,037; May 11. Class 37.

Cairo Pickle Company, Cairo, Ga. Pickles, peanut butter, pickle relish, etc. 345,905; May 11; Serial No. 386,402; published Mar. 2, 1937. Class 46.

California Grape Products Company, San Francisco, Calif., and New York, N. Y. Wines. 345,932; May 11; Serial No. 386,847; published Mar. 2, 1937. Class 47.

Callahan, Joseph A., doing business as Kant-Blaze Fire-Proofing Co., Lynn, Mass. Blankets, polishing cloths and bunting impregnated with a fireproofing material. 346,017; May 11. Class 50.

Carlton Lamp Corporation, Union City, N. J. Incandescent lamps and photo-electric cells. 345,818; May 11; Serial No. 374,041; published Mar. 2, 1937. Class 21.

Carosini & Parodi, Genoa, Italy. Herrings, pilchards, codfish, etc. 345,819; May 11; Serial No. 374,229; published Mar. 2, 1937. Class 46.

Carpenter-Morton Company, Boston, Mass. Medicated preparation destructive or repellent to certain insects, vermin, etc. 116,591; renewed May 15, 1937.

Carpenter Paper Co., Omaha, Nebr. Paper cups. 346,010; May 11; Serial No. 387,655; published Mar. 2, 1937. Class 2.

Cassatly, Habeeb, doing business as Ibnusina Medicine Preparation Company, Brooklyn, N. Y. Preparation for the treatment of piles. 345,846; May 11; Serial No. 383,517; published Mar. 2, 1937. Class 6.

Cavignac, Frank H.-Associates, Glendale, Long Island, N. Y. Golf balls, clubs, and bags. 345,871; May 11; Serial No. 385,561; published Mar. 2, 1937. Class 22.

Century Lighting, Inc., New York, N. Y. Electrically operated light projectors; 345,922; May 11; Serial No. 386,674; published Mar. 2, 1937. Class 21.

Chelsea Coal Company. (See Cross, A. Archer.)

Claflin, Geo. L., Company, Providence, R. I. Ointment. 346,034; May 11. Class 6.

Clark Equipment Company, Buchanan, Mich. Air conditioning units. 346,027; May 11. Class 34.

Cleveland Welding Company, The, Cleveland, Ohio. Bicycles. 345,937; May 11; Serial No. 386,935; published Mar. 2, 1937. Class 19.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars, shirts, cuffs, etc. 118,386; renewed Sept. 4, 1937.

Cohasset Club Beverage Co. (See Skrabsky, Lottie.)

Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and silk piece goods. 345,867; May 11; Serial No. 385,475; published Mar. 2, 1937. Class 42.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. 346,005; May 11; Serial No. 387,452; published Mar. 2, 1937. Class 23.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. 346,006; May 11; Serial No. 387,459; published Mar. 2, 1937. Class 23.

Conradty, C., Nuremberg, Germany. Electric-light carbons. 116,040; renewed Apr. 3, 1937.

Constantine Dress Co., Boston, Mass. Ladies' dresses. 346,021; May 11. Class 39.

Coward Shoe Inc., The, New York, N. Y. Shoes. 345,824; May 11; Serial No. 377,913; published Feb. 9, 1937. Class 39.

Cross, A. Archer, doing business as Chelsea Coal Company, assignor to Chelsea Coal Company, Inc., Atlantic City, N. J. Coal. 345,851; May 11; Serial No. 384,400; published Mar. 2, 1937. Class 1.

Croydon, Charles, Corporation, New York, N. Y. Paper towels and napkins, wax paper, and toilet and facial tissue. 345,816; May 11; Serial No. 372,166; published Apr. 21, 1936. Class 37.

David, John, New York, N. Y. Socks, men's union suits, undershirts, etc. 346,039; May 11. Class 39.

Devine & Yungel Shoe Mfg. Co., Harrisburg, Pa. Shoes. 345,909; May 11; Serial No. 386,485; published Mar. 2, 1937. Class 39.

Dickinson, Paul, Inc., Chicago, Ill. Steam exhaust heads, roof and deck drains, and wall scuppers. 345,878; May 11; Serial No. 385,883; published Mar. 2, 1937. Class 13.

Di Pace, Rosi, Palisades Park, N. J. Preparation used as an ointment for cuts, pimples, and sunburn. 345,862; May 11; Serial No. 384,958; published Mar. 2, 1937. Class 6.

Dominici, Ettore, Turin, Italy. Combs. 345,834; May 11; Serial No. 381,026; published Feb. 23, 1937. Class 40.

Double Eagle Bottling Co., The, Cleveland, Ohio. Lithiated lemon soda used as a beverage. 345,925; May 11; Serial No. 386,794; published Mar. 2, 1937. Class 45.

Drew, Irving, Company, The, Portsmouth, Ohio. Boots, shoes, and slippers. 345,897; May 11; Serial No. 386,247; published Feb. 23, 1937. Class 39.

Duffy, H. Bryan, doing business as F. S. Duffy Medicine Co., New Bern, N. C. Liquid preparation for treatment of persons suffering from colds. 345,898; May 11; Serial No. 386,248; published Mar. 2, 1937. Class 6.

Duluth-Superior Milling Company, Duluth, Minn., and New York, N. Y., assignor to Standard Milling Company, New York, N. Y. Wheat-flour. 117,533; renewed July 17, 1937.

Dwinell-Wright Company, Boston, Mass. Monthly publication. 118,761; renewed Oct. 2, 1937.

Edwards, Richard, Oak Park, Ill. Candy. 345,863; May 11; Serial No. 384,995; published Mar. 2, 1937. Class 46.

Eff Laboratories, Inc., Cleveland, Ohio. Concentrate and preparations rich in vitamin activity. 345,815; May 11; Serial No. 371,629; published June 2, 1936. Class 46.

Eisenberg Bros., New York, N. Y. Ladies' hats. 345,883; May 11; Serial No. 386,019; published Feb. 23, 1937. Class 39.

Elder and Johnston Company, The, Dayton, Ohio. Women's gloves. 345,828; May 11; Serial No. 379,692; published Feb. 23, 1937. Class 39.

Emery Food Company, Chicago, Ill. Canned vegetables, fruits, and fish. 117,030; renewed June 12, 1937.

Empire Silk Company, Paterson, N. J. Silk piece goods, artificial silks, rayon, wool, and mixtures of the same. 345,926; May 11; Serial No. 386,795; published Mar. 2, 1937. Class 42.

Emulsol Corporation, The, Chicago, Ill. Nitrogen-containing yeast foods. 345,812; May 11; Serial No. 352,163; published Mar. 2, 1937. Class 46.

Endo Products, Inc. (See Squibb, E. R., & Sons, assignor.)

English Needle & Fishing Tackle Co. Ltd., The, Studley, England. Crochet hooks and knitting pins made from casein. 345,912; May 11; Serial No. 386,583; published Feb. 9, 1937. Class 40.

Esterbrook Steel Pen Manufacturing Company, The, Camden, N. J. Writing pens and fountain pens. 345,852; May 11; Serial No. 384,412; published Jan. 12, 1937. Class 37.

Esterbrook Steel Pen Manufacturing Company, The, Camden, N. J. Fountain pens and parts thereof. 346,046; May 11. Class 37.

Eyechant Company, The, Chicago, Ill. Eyebrow and eyelash makeup. 345,855; May 11; Serial No. 384,655; published Mar. 2, 1937. Class 6.

Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation of hypophosphites. 118,019; renewed Aug. 14, 1937.

Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation of hypophosphites. 118,020; renewed Aug. 14, 1937.

Fellows Medical Manufacturing Company, Inc., New York, N. Y. Laxative tablets. 118,021; renewed Aug. 14, 1937.

Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation of hypophosphites. 118,398; renewed Sept. 4, 1937.

Field and Flint Co., Brockton, Mass. Shoes. 345,918; May 11; Serial No. 386,602; published Feb. 9, 1937. Class 39.

Finch, Bert, Mfg. Co., Ltd., The, Los Angeles, Calif. Dresses, pajamas. 345,837; May 11; Serial No. 382,509; published Feb. 23, 1937. Class 39.

Fites, Howard P., Yuma, Ariz. Fresh vegetables. 345,823; May 11; Serial No. 376,384; published May 19, 1936. Class 46.

Fitzgerald Bros. Brewing Co., Troy, N. Y. Ale. 345,884; May 11; Serial No. 386,021; published Mar. 2, 1937. Class 48.

Flexible Steel Lacing Company, Chicago, Ill. Belt couplings or fasteners, known as steel belt lacing. 345,988; May 11; Serial No. 387,319; published Mar. 2, 1937. Class 13.

Franco Corset Company, New York, N. Y. Foundation garment and girdles. 345,826; May 11; Serial No. 379,238; published Feb. 9, 1937. Class 39.

Frank, J., & Sons, Inc., Philadelphia, Pa. Beverages and syrups, extracts, and flavors used in making the same. 346,033; May 11. Class 45.

Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Wines. 345,902; May 11; Serial No. 386,307; published Mar. 2, 1937. Class 47.

Gallatin Brewing Company, doing business as Gallatin Brewing Co., Bozeman, Mont. Beer. 345,982; May 11; Serial No. 387,274; published Mar. 2, 1937. Class 48.

General Chemical Company, New York, N. Y. Insecticides and preparations for control of plant pests. 345,964; May 11; Serial No. 387,122; published Mar. 2, 1937. Class 6.

General Electric Company, Schenectady, N. Y. Electrical wires, cables, and conductors. 345,990; May 11; Serial No. 387,374; published Mar. 2, 1937. Class 21.

General Electric Company, Schenectady, N. Y., assignor to The Miller Company, Meriden, Conn. Lighting-fixtures. 118,174; renewed Aug. 21, 1937.

General Mills, Inc., Minneapolis, Minn. Flour. 345,991; May 11; Serial No. 387,375; published Mar. 2, 1937. Class 46.

General Shoe Corporation, Nashville, Tenn. Boots and shoes. 345,904; May 11; Serial No. 386,366; published Feb. 9, 1937. Class 39.

Gile, H. S., & Co., Salem, Oreg. Fruit juices for beverage purposes. 345,869; May 11; Serial No. 385,516; published Mar. 2, 1937. Class 45.

Gindlin & Kaplan, New York, N. Y. Ladies' belts. 346,035; May 11. Class 39.

Glaser Bros., San Francisco, Calif. Gin liquors. 346,019; May 11. Class 49.

Godchaux, Leon, Clothing Co. Ltd., The, New Orleans, La. Hats and caps. 345,938; May 11; Serial No. 386,939; published Feb. 23, 1937. Class 39.

Goodman, J., Shoe Co., New York, N. Y. Boots and shoes. 346,041; May 11. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires. 345,899; May 11; Serial No. 386,250; published Mar. 2, 1937. Class 35.

Grace, W. R., & Co., New York, N. Y. Raw coffee sold in bulk. 346,026; May 11. Class 46.

Guttman, Joseph, & Bros., Inc., New York, N. Y. Knitted dresses, blouses, and sweaters. 346,043; May 11. Class 39.

Haas-Jordan Company, Toledo, Ohio. Umbrellas. 345,950; May 11; Serial No. 387,065; published Feb. 16, 1937. Class 41.

Hamilton Print Works, Paterson, N. J. Textile fabrics. 345,983; May 11; Serial No. 387,276; published Mar. 2, 1937. Class 42.

Hammond Clock Company, The, Chicago, Ill. Electric organs. 346,044; May 11. Class 36.

Hat Corporation of America, Norwalk, Conn. Hats for men. 345,978; May 11; Serial No. 387,245; published Feb. 23, 1937. Class 39.

Hecker-Jones-Jewell Milling Company, assignor to Standard Milling Company, New York, N. Y. Wheat-flour and rye-flour. 117,941; renewed Aug. 7, 1937.

Hecker-Jones-Jewel Milling Company, assignor to Standard Milling Company, New York, N. Y. Wheat-flour and rye-flour. 118,184; renewed Aug. 21, 1937.

Helleman, G., Brewing Co., La Crosse, Wis. Beer. 345,877; May 11; Serial No. 385,842; published Mar. 2, 1937. Class 48.

Helwith, Alfred L., New York, N. Y. Cotton, rayon, and silk fabrics. 345,836; May 11; Serial No. 381,809; published Mar. 2, 1937. Class 42.

Herolin Medicine Company, The, successor to Herolin Company, Inc., Atlanta, Ga. Hair-dressing. 116,316; renewed Apr. 24, 1937.

Hillman's. (See Tebbetts & Garland Store, The, assignor.)

Hillsboro Brewing Company, Hillsboro, Wis. Beer, ale, and porter. 345,919; May 11; Serial No. 386,649; published Feb. 23, 1937. Class 48.

Holsum Bakery, The. (See Long, W. E., Co., The.)

Hopeville Manufacturing Company, Inc., The, Worcester, Mass. Woolen textile fabrics. 345,866; May 11; Serial No. 385,404; published Mar. 2, 1937. Class 42.

Huber, Kitchel W., Tyrone, Okla. Whiskey. 346,013; May 11. Class 49.

Hurlock Bros. Company, to Hurlock Bros. Company, Inc., Philadelphia, Pa. Paper illustration-board, mat-board, photo-mount board, etc. 118,530; renewed Sept. 18, 1937.

Ibnusina Medicine Preparation Company. (See Cassatly, Habeeb.)

Imperial Candy Co., Seattle, Wash. Confectionery. 116,524; renewed May 8, 1937.

International Looms, Inc., New York, N. Y. Carpets, rugs, and upholstery fabrics. 345,992; May 11; Serial No. 387,379; published Mar. 2, 1937. Class 42.

International Mutoscope Reel Co. Inc., New York, N. Y. Photosensitive plates. 346,022; May 11. Class 26.

International Shoe Co., St. Louis, Mo. Boots and shoes. 345,868; May 11; Serial No. 385,482; published Feb. 9, 1937. Class 39.

Interstate Rice Sales Co., Inc., The, Crowley, La. Rice. 345,865; May 11; Serial No. 385,142; published Mar. 2, 1937. Class 46.

Isaacs, Harry, Inc., New York, N. Y. Cravats. 345,888; May 11; Serial No. 386,078; published Feb. 9, 1937. Class 39.

Jenkins Bros., Elizabeth, N. J., and New York, N. Y., to Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Metallic valves and parts thereof. 117,154; renewed June 19, 1937.

Juillard, A. D., & Co., Inc., New York, N. Y. Corduroys in the piece. 345,949; May 11; Serial No. 387,040; published Mar. 2, 1937. Class 42.

Junkers & Co. Gesellschaft mit beschränkter Haftung, Dessau, Germany. Water heaters, gas and liquid fuel burners, cooking apparatus, etc. 346,014; May 11. Class 34.

Kant-Blaze Fire-Proofing Co. (See Callahan, Joseph A.)

Kayser, Julius, & Co., New York, N. Y. Fabrics in the piece. 345,874; May 11; Serial No. 385,691; published Mar. 2, 1937. Class 42.

Keith, Geo. E., Company, Campello, Mass. Shoes. 345,933; May 11; Serial No. 386,863; published Feb. 9, 1937. Class 39.

Kesler, Robert, New Hope, Pa. Cards bearing numbers and adapted for use in playing a game like lotto. 346,009; May 11; Serial No. 387,585; published Mar. 2, 1937. Class 22.

Kingsboro Silk Mills, Inc., Gloversville, N. Y. Ladies' and children's knitted vests, bloomers, panties, etc. 346,040; May 11. Class 39.

Kirch-Trumbull Corporation, Alden, N. Y. Paper toilet articles. 345,854; May 11; Serial No. 384,591; published Mar. 2, 1937. Class 37.

Knitcraft Mills. (See Southwest Security Mortgage Corp.)

Knothe Bros. Co., Inc., New York, N. Y., and Westbrook, Conn. Suspenders and garters. 345,890; May 11; Serial No. 386,117; published Feb. 23, 1937. Class 39.

Korn, Wm., Inc., New York, N. Y. Lithographic rubbing ink, lithographic liquid tusche, lithographic transfer ink, etc. 346,004; May 11; Serial No. 387,441; published Mar. 2, 1937. Class 11.

Kurlash Company, Inc., The, Rochester, N. Y. Eye beauty pencils. 345,821; May 11; Serial No. 375,645; published May 12, 1936. Class 6.

Kurlash Company, Inc., The, Rochester, N. Y. Mascara filled eyelash and eyebrow compacts, liquid waterproof eyelash tint, etc. 345,830; May 11; Serial No. 380,402; published Aug. 4, 1936. Class 6.

Lechman, Harry M., doing business as Lechman Products Company, Fall River, Mass. Insecticides. 345,984; May 11; Serial No. 387,283; published Mar. 2, 1937. Class 6.

Lehmann, Herbert, Inc., New York, N. Y. Piece goods. 345,979; May 11; Serial No. 387,249; published Mar. 2, 1937. Class 42.
Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. 345,870; May 11; Serial No. 385,523; published Mar. 2, 1937. Class 6.
Lily of France Corset Company, Inc., New York, N. Y. Corsets. 345,894; May 11; Serial No. 386,213; published Feb. 9, 1937. Class 39.
Livingston, Adrienne, New York, N. Y. Slips, panties, brassières, etc. 345,989; May 11; Serial No. 387,331; published Feb. 23, 1937. Class 39.
Long, W. E., Co., The, also doing business as The Holsum Bakery, Chicago, Ill. Bread. 346,031; May 11. Class 46.
Lubbers & Bell Manufacturing Company, Clinton, Iowa. Fly swatters. 345,858; May 11; Serial No. 384,800; published Mar. 2, 1937. Class 50.
Maclin-Zimmer-McGill Tobacco Co. Incorporated, Petersburg, Va. Tobacco and snuff. 117,457; renewed July 10, 1937.
Macy, R. H., & Co., assignor to R. H. Macy & Co., Inc., New York, N. Y. Silks in the piece. 116,911; renewed June 5, 1937.
Macy, R. H., & Co., assignor to R. H. Macy & Co., Inc., New York, N. Y. Foods. 118,308; renewed Aug. 28, 1937.
Macy, R. H., & Co., Inc., New York, N. Y. Silk crepe and satin piece goods. 345,945; May 11; Serial No. 387,000; published Mar. 2, 1937. Class 42.
Maison Jeurelle-Seventeen, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 345,951–62; May 11; Serial Nos. 387,076–87; published Mar. 2, 1937. Class 6.
Manus, George P., doing business as Mylaine Parfum, Chicago, Ill. Perfumes, cologne, face creams, and face powders. 345,946; May 11; Serial No. 387,001; published Mar. 2, 1937. Class 6.
Marques del Real Tesoro y Cia, Jerez de la Frontera, Spain. Sherry wines. 345,811; May 11; Serial No. 344,232; published Mar. 2, 1937. Class 47.
Marshall Field & Company, Chicago, Ill. Piece goods. 345,943–44; May 11; Serial Nos. 386,990–91; published Mar. 2, 1937. Class 42.
Marvel Mfg. Co., New Haven, to Marvel Mfg. Co., West Haven, Conn. Optical toy. 116,664; renewed May 15, 1937.
McArthur, Geo., & Sons Company, Baraboo, Wis. Knitted bath towels. 345,972; May 11; Serial No. 387,201; published Mar. 2, 1937. Class 42.
Metropolitan Body Co., The, Bridgeport, Conn. Commercial motor vehicles. 345,861; May 11; Serial No. 384,929; published Mar. 2, 1937. Class 19.
Mexican Petroleum Corporation, Los Angeles, Calif., to Mexican Petroleum Corporation, New York, N. Y. Fuel-oils. 116,667; renewed May 15, 1937.
Mexican Petroleum Corporation, Los Angeles, Calif., to Mexican Petroleum Corporation, New York, N. Y. Fuel-oils. 118,075; renewed Aug. 14, 1937.
Miller-Bryant-Pierce Company, The, Aurora, Ill. Carbon paper and typewriter ribbons. 345,971; May 11; Serial No. 387,199; published Mar. 2, 1937. Class 11.
Miller Company, The. (See General Electric Company, assignor.)
Miller, Edward J., Springfield Gardens, N. Y. Decorative glass vase. 345,857; May 11; Serial No. 384,756; published Mar. 2, 1937. Class 13.
Mitchell & Weber, Inc., New York, N. Y. Blouses and dresses. 346,045; May 11. Class 39.
Modern Health Products, Inc., Milwaukee, Wis. Dried sea vegetables in tablet form. 345,813; May 11; Serial No. 370,474; published Mar. 2, 1937. Class 6.
Morin, Addee, doing business as Mother Morin's Medicine Company, Manchester, N. H. Salve. 345,848; May 11; Serial No. 383,864; published Mar. 2, 1937. Class 6.
Mylaine Parfum. (See Manus, George P.)
National Department Stores Management & Buying Corporation, New York, N. Y. Women's and misses' hats, coats, dresses, etc. 345,911; May 11; Serial No. 386,552; published Feb. 23, 1937. Class 39.
National Metal Products Corp., Chicago, Ill. Automatic air valves. 345,947; May 11; Serial No. 387,004; published Mar. 2, 1937. Class 13.
Nature's Rival Co. (See Venus Foundation Garments Inc.)
Oakwood Smokeless Coal Corporation, Bluefield, W. Va. Coal. 345,895; May 11; Serial No. 386,220; published Mar. 2, 1937. Class 1.
O'Leary, Lydia, Inc., New York, N. Y. Cosmetic preparation, face powder, etc. 345,872; May 11; Serial No. 385,599; published Mar. 2, 1937. Class 6.
Pacific Knitting Mills, Los Angeles, Calif. Sweaters. 346,024; May 11. Class 39.
Palmer, A. N., Company, The, Cedar Rapids, Iowa, and New York, N. Y., to The A. N. Palmer Company, New York, N. Y. Writing-paper. 118,692; renewed Sept. 25, 1937.
Paper Cup Corporation, Chicago, Ill. Paper cups. 346,011; May 11; Serial No. 387,796; published Mar. 2, 1937. Class 2.
Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 345,939; May 11; Serial No. 386,959; published Mar. 2, 1937. Class 6.
Park, Benziger & Co., Inc., New York, N. Y. Rum. 345,885; May 11; Serial No. 386,043; published Mar. 2, 1937. Class 49.
Paschal, Guy, New York, N. Y. Air conditioning units. 345,847; May 11; Serial No. 383,748; published Mar. 2, 1937. Class 34.
Patent Cereals Company, The, Geneva, N. Y. Wheat product used in the manufacture of malt beverages and liquors. 345,913; May 11; Serial No. 386,595; published Mar. 2, 1937. Class 48.
Patricia Petticoat Co., Inc., New York, N. Y. Chemises, negligees, panties, etc. 345,927; May 11; Serial No. 386,814; published Feb. 9, 1937. Class 39.
Patricia Petticoat Co., Inc., New York, N. Y. Chemises, negligees, costume slips, etc. 345,993; May 11; Serial No. 387,390; published Feb. 23, 1937. Class 39.
Patterson-Sargent Company, The, Cleveland, Ohio. Paints, driers, enamels, etc. 116,855; renewed May 29, 1937.
Patterson-Sargent Company, The, Cleveland, Ohio. Paints, driers, enamels, etc. 116,856; renewed May 29, 1937.
Penn Tobacco Company. (See Shields & Son.)
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Shoes. 345,903; May 11; Serial No. 386,334; published Feb. 9, 1937. Class 39.
Phera Products Sales. (See Schmuttermaier, Hans J.)
Pickenbrock, E. B., & Sons Company, Dubuque, Iowa. Shoes. 345,844; May 11; Serial No. 383,324; published Feb. 23, 1937. Class 39.
Pieringer, Charles, Forest Hills, N. Y. Protective and insulating hoods for coffee pots, tea pots, etc. 346,018; May 11. Class 50.
Pinol Manufacturing Co., Inc., Philadelphia, Pa. Paint enamels, ready mixed paints. 345,948; May 11; Serial No. 387,013; published Mar. 2, 1937. Class 16.
Plastic Binding Corporation, Chicago, Ill. Machines for applying bindings to stacks of paper or the like. 345,832; May 11; Serial No. 380,792; published Mar. 2, 1937. Class 23.
Pratt, B. G., Co., New York, N. Y. Insecticides. 345,965; May 11; Serial No. 387,142; published Mar. 2, 1937. Class 6.
Pratt-Low Preserving Company, Santa Clara, Calif. Canned fruits and vegetables. 115,802; renewed Mar. 6, 1937.
Progressive Razor & Blade Co., Maplewood, N. J. Safety razor blades. 345,994; May 11; Serial No. 387,393; published Mar. 2, 1937. Class 23.
Pure Oil Company, The, Chicago, Ill. Denatured alcohol and radiator anti-freeze compositions. 345,995; May 11; Serial No. 387,394; published Mar. 2, 1937. Class 6.
Rainbo Baking Company of Cincinnati, Cincinnati, Ohio. Bread. 345,856; May 11; Serial No. 384,672; published Mar. 2, 1937. Class 46.
Rand Company, The, North Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Indicators and index devices. 116,458; renewed May 1, 1937.
Red Star Shoe Repairing Company, Inc., Philadelphia, Pa. Heel lifts, soles, and rubber heels. 345,859; May 11; Serial No. 384,817; published Feb. 23, 1937. Class 39.
Reed, Willard H., doing business as W. H. Reed & Company, Atlanta, Ga. Prophylactic rubber articles. 346,016; May 11. Class 44.
Reiner, Robert, Importing Co., The, Weehawken Heights, by change of name to Robert Reiner, Incorporated, Weehawken, N. J. Machines, parts thereof, and accessories therefor. 116,004; renewed Mar. 27, 1937.
Remington Rand Inc. (See Rand Company, The, assignor.)
Remington Rand Inc., Buffalo, N. Y. File cabinets and parts thereof. 345,996; May 11; Serial No. 387,398; published Mar. 2, 1937. Class 32.
Rhoads, J. E., & Sons, Philadelphia, Pa., and Wilmington, Del., to J. E. Rhoads & Sons, Philadelphia, Pa. Belting, lacing, valves, and washers. 118,221–2; renewed Aug. 21, 1937.
Robins, A. H., Company, Inc., Richmond, Va. Medicinal preparation. 345,935; May 11; Serial No. 386,910; published Mar. 2, 1937. Class 6.
Robinson, Joseph, New York, N. Y. Medication used in the treatment of colds, etc. 345,940; May 11; Serial No. 386,962; published Mar. 2, 1937. Class 6.
Rochas, Marcel. (See Blenaime, Inc.)
Rock Products Co., Beloit, Wis. Fly spray. 345,875; May 11; Serial No. 385,752; published Mar. 2, 1937. Class 6.
Roddenbery, W. B., Co., Cairo, Ga. Table syrups, peanut butter, and pickles and pickle relish. 345,906; May 11; Serial No. 386,449; published Mar. 2, 1937. Class 46.
Rominiecki, Stephen T., doing business as White Eagle Bottling Works, Philadelphia, Pa. Lithiated lemon beverage and sirup and extract for making the same. 345,985; May 11; Serial No. 387,287; published Mar. 2, 1937. Class 45.
Rose Brothers, New York, N. Y. Coats, vests, and trousers. 346,015; May 11. Class 39.
Ross & Oberlieder Silk Corp., New York, N. Y. Rayon textile fabrics. 345,843; May 11; Serial No. 383,285; published Mar. 2, 1937. Class 42.

Rouff, Maggy, Paris, France. Women's wear. 346,025; May 11. Class 39.
Rykoff, S. E., & Company, Los Angeles, Calif. Whiskey, gin, rum, etc. 345,873; May 11; Serial No. 385,647; published Mar. 2, 1937. Class 49.
Safety First Shoe Company. (See Williams, Arthur A.)
Sanlwax Paper Company, Kalamazoo, Mich. Wrapping-paper. 117,366; renewed July 3, 1937.
Schmuttermaier, Hans J., doing business as Phera Products Sales, Chicago, Ill. Preparation for use as an animal conditioner. 345,853; May 11; Serial No. 384,565; published Mar. 2, 1937. Class 6.
Schnefel Bros. Corporation, Newark, N. J. Beautifier for use on nails and cuticles. 345,838; May 11; Serial No. 382,726; published Nov. 3, 1936. Class 6.
Schwab, Armand, & Co., Inc., New York, N. Y. Hat braids. 345,941–2; May 11; Serial No. 386,965–6; published Feb. 23, 1937. Class 40.
Schwabe, E. J., Manufacturing Co., New York, N. Y. Framed pictures. 346,030; May 11. Class 32.
Schwartz, Morris, Fur Corp., New York, N. Y. Fur skins and parts thereof. 345,829; May 11; Serial No. 380,115; published Jan. 12, 1937. Class 1.
Schwarzenbach Huber Co., The, New York, N. Y. Broad silk. 118,337; renewed Aug. 28, 1937.
Scotch Products Incorporated, New York, N. Y. Rubber thumb and finger protectors. 345,910; May 11; Serial No. 386,501; published Mar. 2, 1937. Class 37.
Scott, O. M., & Sons Company, Marysville, Ohio. Lawn grass seeds. 345,809; May 11; Serial No. 336,623; published June 13, 1933. Class 1.
Sellmer, Walter B., doing business as Selmolene Manufacturing Co., San Rafael, Calif. Preparation for the treatment of sprains, swellings, sore muscles, etc. 345,849; May 11; Serial No. 384,016; published Mar. 2, 1937. Class 6.
Selmolene Manufacturing Co. (See Sellmer, Walter B.)
Shaw, Alex D., & Co., Inc., New York, N. Y. Wines. 345,860; May 11; Serial No. 384,870; published Mar. 2, 1937. Class 47.
Shaw, Alex D., & Co. Inc., New York, N. Y. Wines. 345,914–17; May 11; Serial No. 386,598–601; published Mar. 2, 1937. Class 47.
Sheet Metal Mfg. Co. Inc., New York and Brooklyn, N. Y., to Sheet Metal Mfg. Co. Inc., Brooklyn, N. Y. Ventilators, stovepipe, elbows, etc. 118,820; renewed Oct. 2, 1937.
Shenton, William A., doing business as W. A. Shenton & Co., Jersey City, N. J. Chewing gum. 345,968; May 11; Serial No. 387,162; published Mar. 2, 1937. Class 46.
Shields & Son, Albany, N. Y., to Penn Tobacco Company, Wilkes-Barre, Pa., successor. Smoking-tobacco. 116,372; renewed Apr. 24, 1937.
Shillito, John, Company, The, Cincinnati, Ohio. Shoes. 345,879; May 11; Serial No. 385,906; published Feb. 9, 1937. Class 39.
Shoe Lace Company, Boston, Mass. Frogs. 345,907; May 11; Serial No. 386,455; published Feb. 9, 1937. Class 40.
Short, J. R., Milling Company, Chicago, Ill. Shortening preparation. 345,936; May 11; Serial No. 386,913; published Mar. 2, 1937. Class 46.
Siegel Bros. Kiki Maid Koats Inc., New York, N. Y. Suits and coats. 346,023; May 11. Class 39.
Skinner, F. L., Dunedin, Fla. Fresh citrus fruit. 346,008; May 11; Serial No. 387,565; published Mar. 2, 1937. Class 46.
Skrabsky, Lottie, doing business as Cohasset Club Beverage Co., Youngstown, Ohio. Carbonated beverages. 345,997; May 11; Serial No. 387,401; published Mar. 2, 1937. Class 45.
Skrabsky, Lottie, doing business as Cohasset Club Beverage Co., Youngstown, Ohio. Carbonated beverages. 345,998; May 11; Serial No. 387,403; published Mar. 2, 1937. Class 45.
Skrabsky, Lottie, doing business as Cohasset Club Beverage Co., Youngstown, Ohio. Carbonated beverage. 345,999; May 11; Serial No. 387,405; published Mar. 2, 1937. Class 45.
Smith, Lewis, doing business as Belle Form Brassiere Co., New York, N. Y. Brassières, girdles, and corsets. 345,880; May 11; Serial No. 385,909; published Feb. 23, 1937. Class 39.
Società Anonima Snia-Viscosa, Società Nazionale Industria Applicazioni Viscosa, The, Turin, Italy. Threads and yarns. 345,908; May 11; Serial No. 386,459; published Feb. 23, 1937. Class 43.
Society of Chemical Industry in Basle, Basel, Switzerland. Chemical product for use in the textile industry. 345,973–4; May 11; Serial No. 387,217–8; published Mar. 2, 1937. Class 6.
Solvai Limited, Montreal, Quebec, Canada. Soldering compositions. 345,831; May 11; Serial No. 380,722; published Mar. 2, 1937. Class 14.
Southbridge Finishing Company, Southbridge, Mass. Printed cotton and cotton and rayon fabrics. 346,038; May 11. Class 42.
Southport Manufacturing Co. (See Wilks, Martha.)
Southwest Security Mortgage Corp., doing business as Knitcraft Mills, Los Angeles, Calif. Knit sweaters, hose, knitted dresses, etc. 345,864; May 11; Serial No. 385,069; published Feb. 23, 1937. Class 39.

Special Chemicals Corp., New York, N. Y. Chemical mixtures used in plating and finishing of metals. 345,975; May 11; Serial No. 387,221; published Mar. 2, 1937. Class 6.
Squibb, E. R., & Sons, assignor, by mesne assignments, to Endo Products, Inc., New York, N. Y. Antianemic preparations. 345,835; May 11; Serial No. 381,174; published Sept. 22, 1936. Class 6.
Standard Milling Company. (See Duluth-Superior Milling Company, assignor.)
Standard Milling Company. (See Hecker-Jones-Jewell Milling Company, assignor.)
Standard Printing and Publishing Company, Huntington, W. Va. Carbon paper. 345,986; May 11; Serial No. 387,292; published Mar. 2, 1937. Class 11.
Surpass Leather Company, Philadelphia, Pa. Dull sheen kid leather. 345,896; May 11; Serial No. 386,236; published Mar. 2, 1937. Class 1.
Tebbetts & Garland Store, The, assignor to Hillman's, Chicago, Ill. Whisky. 116,805; renewed May 22, 1937.
Thumm, William F., Chicago, Ill. Gauze bandages. 346,042; May 11. Class 44.
Todd Shipyards Corporation, New York, N. Y. Oil burners and air registers. 346,047; May 11. Class 34.
Truhu Silk Corporation, New York, N. Y. Women's and misses' hats, coats, dresses, etc. 345,934; May 11; Serial No. 386,877; published Feb. 23, 1937. Class 39.
Turoff-Hodes, Inc., New York, N. Y. Ladies' handbags. 345,967; May 11; Serial No. 387,156; published Mar. 2, 1937. Class 3.
Tybon Corporation, Philadelphia, Pa. Inked typewriter ribbons and typewriter carbon paper. 345,976; Serial No. 387,231; published Mar. 2, 1937. Class 11.
Tybon Corporation, Philadelphia, Pa. Inked typewriter ribbons, typewriter carbon paper and ink. 345,977; May 11; Serial No. 387,232; published Mar. 2, 1937. Class 11.
United Chromium, Incorporated, New York, N. Y., and Waterbury, Conn. Pocket books and frames. 345,928; May 11; Serial No. 386,826; published Mar. 2, 1937. Class 2.
United Chromium, Incorporated, New York, N. Y., and Waterbury, Conn. Safety pins. 345,929; May 11; Serial No. 386,827; published Feb. 23, 1937. Class 40.
United Drug Company, Boston, Mass. Thermometers. 346,007; May 11; Serial No. 387,478; published Mar. 2, 1937. Class 26.
United States Wire Mat Company, by change of name to United States Manufacturing Corporation, Decatur, Ill. Fly-killers. 118,244; renewed Aug. 21, 1937.
Urbana Wine Company, Inc., Hammondsport, N. Y. Wines. 346,020; May 11. Class 47.
Val Vita Food Products, Inc., Los Angeles, Calif. Canned vegetables, canned soups, canned fruit juices, etc. 345,886; May 11; Serial No. 386,057; published Mar. 2, 1937. Class 46.
Venus Foundation Garments Inc., also doing business as Nature's Rival Co., Chicago, Ill., and Garrett, Ind. Fitted garments for women and children. 345,814; May 11; Serial No. 371,402; published Feb. 23, 1937. Class 39.
Victor Safe & Equipment Company, Inc., The, North Tonawanda, N. Y. File cabinets, drawers, and parts thereof. 346,000–002; May 11; Serial No. 387,411–3; published Mar. 2, 1937. Class 32.
Virginia Maid Hosiery Mills, Inc., Pulaski, Va. Hosiery. 346,032; May 11. Class 39.
Wadhams & Co. Incorporated, Portland, Oreg. Canned fruits, canned peas, tomatoes, etc. 345,810; May 11; Serial No. 342,679; published Mar. 2, 1937. Class 46.
Waldes & Co., Prague-Wrschowitz, Austria-Hungary, assignor to Waldes & Company of New Jersey, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap-fasteners of all kinds. 118,450; renewed Sept. 4, 1937.
Waldes & Co., Prague-Wrschowitz, Austria, assignor to Waldes & Company of New Jersey, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap-buttons. 118,597; renewed Sept. 18, 1937.
Waldes & Company of New Jersey, New York, N. Y., assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap-fasteners and placket-fasteners. 118,599; renewed Sept. 18, 1937.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods. 345,827; May 11; Serial No. 379,655; published Mar. 2, 1937. Class 42.
Werts Novelty Company, Incorporated, Muncie, Ind. Games of chance. 345,966; May 11; Serial No. 387,153; published Mar. 2, 1937. Class 22.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Measuring and scientific appliances. 118,722; renewed Sept. 25, 1937.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Luminaires. 345,833; May 11; Serial No. 380,813; published Mar. 2, 1937. Class 21.
Wheeler, William R., Harwich Port, Mass. Cranberries. 345,822; May 11; Serial No. 376,316; published Feb. 23, 1937. Class 46.

White Eagle Bottling Works. (See Rominiecki, Stephen T.)
Wilks, Martha, doing business as Southport Manufacturing Co., New York, N. Y. Processed piece goods. 345,841; May 11; Serial No. 382,981; published Mar. 2, 1937. Class 50.
Williams, Arthur A., doing business as Safety First Shoe Company, Holliston, Mass. Boots and shoes. 345,820; May 11; Serial No. 374,349; published Feb. 9, 1937. Class 39.
Wizard, Inc., Chicago, Ill. Insecticide sprayers. 345,891; May 11; Serial No. 386,135; published Mar. 2, 1937. Class 23.
York and Company, Grand Rapids, Mich. Coal. 345,840; May 11; Serial No. 382,972; published Mar. 2, 1937. Class 1.
Zimmerer, Karl A., Manufacturing Co., Detroit, Mich. Electric beer coil cleaners. 345,924; May 11; Serial No. 386,753; published Mar. 2, 1937. Class 21.

LIST OF REGISTRANTS OF LABELS

A-Treat Bottling Company, Allentown, Pa. Wise Up. For a Lithiated and Alkalised Beverage. 49,288; May 11.
Barber, Cecil, Peters, Fla. Glade. For Tomatoes. 49,289; May 11.
Baumwell, Joseph, doing business as Parfumerie Noblesse, Chicago, Ill. Beauty Bubbles. For an Emollient. 49,290; May 11.
Bird & Son, Inc., East Walpole, Mass. Delson Shoes. For Cartons. 49,291; May 11.
Car-Cal Winery. (See Sands, Sally.)
Clayton, A. C., Printing Company, St. Louis, Mo. Crowley Milner & Co. Footwear. For Footwear. 49,292; May 11.
Colonial Works, Brooklyn, N. Y. Vel-Ve-Ta—Flat Interior Finish. For Ready Mixed Paint. 49,293; May 11.
Conner, George B., doing business as Happy Housewife Co. Ltd., Los Angeles, Calif. Happy Housewife. For a Cleansing Compound. 49,294; May 11.
Continental Mills Inc., Seattle, Wash. Cakeaz. For Prepared Cake-Mix. 49,295; May 11.
Emery, Paul J., Benton Harbor, Mich. Healthena. For Whole Wheat Cereal. 49,296; May 11.
Faber, A. W., Inc., Newark, N. J. Combinair. For Lead Packs and Erasers Sold in Combination. 49,297; May 11.
Granat Bros., San Francisco, Calif. Retail-Tested. For Jewelry. 49,298; May 11.
Happy Housewife Co. Ltd. (See Conner, George B.)
Holloway, Inc., Duluth, Minn. Holloway's RX. For a Preparation for the Feet. 49,299; May 11.
Johnson, Fred H., doing business as The Waterwerk Products, Detroit, Mich. Watercleen. For Mineralized Water. 49,300; May 11.
Kemp, E. F., Inc., Somerville, Mass. Kemp's Chocolates—Hard and Chewy. For Chocolates. 49,301; May 11.
Mairs, Robert W., doing business as Robert W. Mairs & Co., Baltimore, Md. Ma-Son. For Cut Green Stringless Beans. 49,302; May 11.
Miller Cereal Mills, Omaha, Nebr. Miller's Popped Wheat. For a Cereal Breakfast Food. 49,303; May 11.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Valmor Corn Knocker. For a Liquid Preparation for Removing Corns. 49,304; May 11.
Paramount Distilling Corporation, Chicago, Ill. Daniel Webster. For Straight Bourbon Whiskey. 49,305; May 11.
Parfumerie Noblesse. (See Baumwell, Joseph.)
Penick & Ford, Ltd. Incorporated, New York, N. Y. Peacock. For Syrup. 49,306; May 11.
Perfection Biscuit Company, Fort Wayne, Ind. Perfection. For Soda Crackers. 49,307; May 11.
Sands, Sally, doing business as Car-Cal Winery, Greensboro, N. C. Old Maude. For Fortified White Wine. 49,308; May 11.
Schreiber Brewing Company, Inc., Buffalo, N. Y. Schreiber's Half Porter & Half Ale. For a Beverage Consisting of Half Porter and Half Ale. 49,309; May 11.
Shanberg, Bert, New York, N. Y. Shanspun. For a Fabric. 49,310; May 11.
Valmor Products Company. (See Neumann, Morton G.)
Vita Products, Inc., Zeeland, Mich. Nutrimere-Kelp. For Kelp. 49,311; May 11.
Waldyn, Steve, New York, N. Y. Monolin. For a Floor Composition. 49,312; May 11.
Waterwerk Products, The. (See Johnson, Fred H.)
Zipay, John R., Pittsburgh, Pa. Wash and Polish for all Purposes. For a Liquid Preparation Used as a Wash and Polish for all Purposes. 49,313; May 11.

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Sunday's the Day (Valen-Time) to Give a 'Sweet Heart' Box of Chocolates. For Confectionery. 16,187; May 11.
Awful Fresh MacFarlane, Oakland and San Francisco, Calif. It's Valen-Time Now at MacFarlane's. For Confectionery. 16,188; May 11.
Faflik, Clarence R., Cleveland, Ohio. Normal-Tred for Body Balance. For Shoes. 16,189; May 11.
Gruen Watch Company, The, Cincinnati and Time Hill, Cincinnati, Ohio. America's First True Wrist Watch. For Watches and Watch Movements. 16,190; May 11.
Pingitore, Ralph, Portland, Oreg. Dine with Wine. For Wine. 16,191; May 11.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. A. A. Cross. 345,851; May 11; Serial No. 384,400; published Mar. 2, 1937.
Coal. Oakwood Smokeless Coal Corporation. 345,895; May 11; Serial No. 386,220; published Mar. 2, 1937.
Coal. York and Company. 345,840; May 11; Serial No. 382,972; published Mar. 2, 1937.
Furs in the piece. Abrams & Linden, Inc. 345,930; May 11; Serial No. 386,837; published Mar. 2, 1937.
Leather, Dull sheen kid. Surpass Leather Company. 345,896; May 11; Serial No. 386,236; published Mar. 2, 1937.
Seeds. Alfred J. Brown Seed Company. 118,379; renewed Sept. 4, 1937.
Seeds, Lawn grass. O. M. Scott & Sons Company. 345,809; May 11; Serial No. 336,623; published June 13, 1933.
Skins and parts thereof, Fur. Morris Schwartz Fur Corp. 345,829; May 11; Serial No. 380,115; published Jan. 12, 1937.

CLASS 2

Cups, Paper. Carpenter Paper Co. 346,010; May 11; Serial No. 387,635; published Mar. 2, 1937.
Cups, Paper. Paper Cup Corporation. 346,011; May 11; Serial No. 387,796; published Mar. 2, 1937.

CLASS 3

Handbags, Ladies'. Turoff-Hodes, Inc. 345,967; May 11; Serial No. 387,156; published Mar. 2, 1937.
Pocket books and frames. United Chromium, Incorporated. 345,928; May 11; Serial No. 386,826; published Mar. 2, 1937.

CLASS 6

Alcohol and radiator anti-freeze compositions, Denatured. Pure Oil Company. 345,995; May 11; Serial No. 387,394; published Mar. 2, 1937.
Alumina, aluminum fluoride, sodium fluoride, etc. Aluminum Ore Company. 345,876; May 11; Serial No. 385,819; published Mar. 2, 1937.
Antianemic preparations. E. R. Squibb & Sons. 345,835; May 11; Serial No. 381,174; published Sept. 22, 1936.
Antiseptic lotion. Baptisine Pharmacal Co. 116,112; renewed Apr. 10, 1937.
Astringents, astringent cerates, bleach and beauty creams, etc. A. P. Babcock Company. 345,921; May 11; Serial No. 386,672; published Mar. 2, 1937.
Astringents, astringent cerates, bleach creams, etc. Maison Jeurelle-Seventeen, Inc. 345,951–62; May 11; Serial Nos. 387,076–87; published Mar. 2, 1937.
Astringents, astringent cerates, bleach creams, etc. Parfumerie St. Denis. 345,939; May 11; Serial No. 386,959; published Mar. 2, 1937.

Beautifier for use on nails and cuticles. Schnefel Bros. Corporation. 345,838; May 11; Serial No. 382,726; published Nov. 3, 1936.
Chemical mixtures used in plating and finishing of metals. Special Chemicals Corp. 345,975; May 11; Serial No. 387,221; published Mar. 2, 1937.
Chemical product for use in the textile industry. Society of Chemical Industry in Basle. 345,973–4; May 11; Serial Nos. 387,217–8; published Mar. 2, 1937.
Cosmetic preparation, face powder, etc. Lydia O'Leary, Inc. 345,872; May 11; Serial No. 385,599; published Mar. 2, 1937.
Eye beauty pencils. Kurlash Company. 345,821; May 11; Serial No. 375,645; published May 12, 1936.
Eyebrow and eyelash makeup. Eyechant Company. 345,855; May 11; Serial No. 384,655; published Mar. 2, 1937.
Hair and scalp preparation, Liquid. I. L. Broward. 345,981; May 11; Serial No. 387,267; published Mar. 2, 1937.
Hair-dressing. Herolin Medicine Company. 116,316; renewed Apr. 24, 1937.
Hypophosphites, Preparation of. Fellows Medical Manufacturing Company. 118,019–20; renewed Aug. 14, 1937.
Hypophosphites, Preparation of. Fellows Medical Manufacturing Company. 118,398; renewed Sept. 4, 1937.
Insecticides. H. M. Lechman. 345,984; May 11; Serial No. 387,283; published Mar. 2, 1937.
Insecticides. B. G. Pratt Co. 345,965; May 11; Serial No. 387,142; published Mar. 2, 1937.
Insecticides and preparations for control of plant pests. General Chemical Company. 345,964; May 11; Serial No. 387,122; published Mar. 2, 1937.
Iron preparation for increasing the red blood corpuscles. E. J. Backus. 345,923; May 11; Serial No. 386,704; published Mar. 2, 1937.
Laxative tablets. Fellows Medical Manufacturing Company. 118,021; renewed Aug. 14, 1937.
Lipstick, rouge, face powder, etc. Associated Distributors, Inc. 345,889; May 11; Serial No. 386,090; published Mar. 2, 1937.
Liquid preparation for treatment of persons suffering from colds. H. B. Duffy. 345,898; May 11; Serial No. 386,248; published Mar. 2, 1937.
Mascara filled eyelash and eyebrow compacts, liquid waterproof eyelash tint, etc. Kurlash Company. 345,830; May 11; Serial No. 380,402; published Aug. 4, 1936.
Medicated preparation destructive or repellent to certain insects, vermin, etc. Carpenter-Morton Company. 116,591; renewed May 15, 1937.
Medication used in the treatment of colds, etc. J. Robinson. 345,940; May 11; Serial No. 386,962; published Mar. 2, 1937.
Medicinal preparation. A. H. Robins Company. 345,935; May 11; Serial No. 386,910; published Mar. 2, 1937.
Ointment. Geo. L. Claflin Company. 346,034; May 11.
Perfumes and cosmetic creams. Lentheric, Incorporated. 345,870; May 11; Serial No. 385,523; published Mar. 2, 1937.
Perfumes, cologne, face creams, and face powders. G. P. Manus. 345,946; May 11; Serial No. 387,001; published Mar. 2, 1937.
Perfumes, toilet water. Blenaime, Inc. 345,845; May 11; Serial No. 383,464; published Mar. 2, 1937.
Preparation for the treatment of piles. H. Cassatly. 345,846; May 11; Serial No. 383,517; published Mar. 2, 1937.
Preparation for the treatment of sprains, swellings, sore muscles, etc. W. B. Sellner. 345,849; May 11; Serial No. 384,016; published Mar. 2, 1937.
Preparation for use as an animal conditioner. H. J. Schmittermaier. 345,853; May 11; Serial No. 384,565; published Mar. 2, 1937.
Preparation used as an ointment for cuts, pimples, and sunburn. R. Di Pace. 345,862; May 11; Serial No. 384,958; published Mar. 2, 1937.
Salve. A. Morin. 345,848; May 11; Serial No. 383,864; published Mar. 2, 1937.
Sea vegetables in tablet form, Dried. Modern Health Products, Inc. 345,813; May 11; Serial No. 370,474; published Mar. 2, 1937.
Spray, Fly. Rock Products Co. 345,875; May 11; Serial No. 385,752; published Mar. 2, 1937.

CLASS 11

Carbon paper. Standard Printing and Publishing Company. 345,986; May 11; Serial No. 387,202; published Mar. 2, 1937.
Carbon paper and typewriter ribbons. Miller-Bryant-Pierce Company. 345,971; May 11; Serial No. 387,199; published Mar. 2, 1937.
Ink, lithographic liquid tusche, lithographic transfer ink, etc., Lithographic rubbing. Wm. Korn, Inc. 346,004; May 11; Serial No. 387,441; published Mar. 2, 1937.
Inked typewriter ribbons and typewriter carbon paper. Tybon Corporation. 345,976; May 11; Serial No. 387,231; published Mar. 2, 1937.
Inked typewriter ribbons, typewriter carbon paper and ink. Tybon Corporation. 345,977; May 11; Serial No. 387,232; published Mar. 2, 1937.

CLASS 13

Couplings or fasteners, known as steel belt lacing, Belt. Flexible Steel Lacing Company. 345,988; May 11; Serial No. 387,319; published Mar. 2, 1937.
Steam exhaust heads, roof and deck drains, and wall scuppers. Paul Dickinson, Inc. 345,878; May 11; Serial No. 385,883; published Mar. 2, 1937.
Valves and parts thereof, Metallic. Jenkins Bros. 117,154; renewed June 19, 1937.
Valves, Automatic air. National Metal Products Corp. 345,947; May 11; Serial No. 387,004; published Mar. 2, 1937.
Vase, Decorative glass. E. J. Miller. 345,857; May 11; Serial No. 384,756; published Mar. 2, 1937.

CLASS 14

Soldering compositions. Solval Limited. 345,831; May 11; Serial No. 380,722; published Mar. 2, 1937.

CLASS 15

Oils and greases. Atlantic Refining Company. 117,203; renewed July 3, 1937.
Oils, Fuel. Mexican Petroleum Corporation. 116,667; renewed May 5, 1937.
Oils, Fuel. Mexican Petroleum Corporation. 118,075; renewed Aug. 14, 1937.

CLASS 16

Enamels, ready mixed paints, Paint. Pinol Manufacturing Co. 345,948; May 11; Serial No. 387,013; published Mar. 2, 1937.
Paints, driers, enamels, etc. Patterson-Sargent Company. 116,855–6; renewed May 29, 1937.

CLASS 17

Cigarettes. Axton-Fisher Tobacco Company. 345,900; May 11; Serial No. 386,284; published Mar. 2, 1937.
Cigars. M. H. Barnett. 118,740; renewed Oct. 2, 1937.
Tobacco and snuff. Maclin-Zimmer-McGill Tobacco Co. Incorporated. 117,457; renewed July 10, 1937.
Tobacco, Smoking. Shields & Son. 116,372; renewed Apr. 24, 1937.

CLASS 19

Bicycles. Cleveland Welding Company. 345,937; May 11; Serial No. 386,935; published Mar. 2, 1937.
Vehicles, Commercial motor. Metropolitan Body Co. 345,861; May 11; Serial No. 384,929; published Mar. 2, 1937.

CLASS 21

Electric beer coil cleaners. Karl A. Zimmerer Manufacturing Co. 345,924; May 11; Serial No. 386,753; published Mar. 2, 1937.
Electric bulbs. Avon Lamp Works, Inc. 345,839; May 11; Serial No. 382,784; published Mar. 2, 1937.
Electric-light carbons. C. Conradty. 116,040; renewed Apr. 3, 1937.
Electric suction-cleaners. Apex Electrical Manufacturing Company. 116,198; renewed Apr. 17, 1937.
Electrical wires, cables, and conductors. General Electric Company. 345,990; May 11; Serial No. 387,374; published Mar. 2, 1937.
Lamps and photo-electric cells, Incandescent. Carlton Lamp Corporation. 345,818; May 11; Serial No. 374,041; published Mar. 2, 1937.
Light projectors, Electrically operated. Century Lighting, Inc. 345,922; May 11; Serial No. 386,674; published Mar. 2, 1937.
Luminaires. Westinghouse Electric & Manufacturing Company. 345,833; May 11; Serial No. 380,813; published Mar. 2, 1937.

CLASS 22

Balls, clubs, and bags, Golf. Frank H. Cavignac-Associates. 345,871; May 11; Serial No. 385,561; published Mar. 2, 1937.
Cards bearing numbers and adapted for use in playing a game like lotto. R. Kesler. 346,009; May 11; Serial No. 387,585; published Mar. 2, 1937.
Games of chance. Werts Novelty Company. 345,966; May 11; Serial No. 387,153; published Mar. 2, 1937.
Modeling sets and toy coloring sets for children, Plastic. American Crayon Company. 345,817; May 11; Serial No. 373,351; published Mar. 2, 1937.
Toy, Optical. Marvel Mfg. Co. 116,664; renewed May 15, 1937.

CLASS 23

Attachments for holding stationery supplies. American Sales Book Company. 346,012; May 11.
Cylinder heads, manifolds, axle shafts, etc. Balkamp Manufacturing Corporation. 345,825; May 11; Serial No. 378,874; published Mar. 2, 1937.
Machines for applying bindings to stacks of paper or the like. Plastic Binding Corporation. 345,832; May 11; Serial No. 380,792; published Mar. 2, 1937.
Machines, parts thereof, and accessories therefor. Robert Reiner Importing Co. 116,004; renewed Mar. 27, 1937.
Razor blades. Blaire Blue Razor Blade Co. 345,893; May 11; Serial No. 386,197; published Mar. 2, 1937.
Razor blades, Safety. Colton Razor Blade Company. 346,005; May 11; Serial No. 387,452; published Mar. 2, 1937.

Razor blades, Safety. Colton Razor Blade Company. 346,006; May 11; Serial No. 387,459; published Mar. 2, 1937.
Razor blades, Safety. Progressive Razor & Blade Co. 345,994; May 11; Serial No. 387,393; published Mar. 2, 1937.
Saw blades, Hack. American Saw & Mfg. Co. 345,920; May 11; Serial No. 386,671; published Mar. 2, 1937.
Sprayers, Insecticide. Wizard, Inc. 345,891; May 11; Serial No. 386,135; published Mar. 2, 1937.

CLASS 26

Measuring and scientific appliances. Westinghouse Electric & Manufacturing Company. 118,722; renewed Sept. 25, 1937.
Photo sensitive plates. International Mutoscope Reel Co. Inc. 346,022; May 11.
Thermometers. United Drug Company. 346,007; May 11; Serial No. 387,478; published Mar. 2, 1937.

CLASS 32

Cabinets and parts thereof, File. Remington Rand Inc. 345,996; May 11; Serial No. 387,398; published Mar. 2, 1937.
Cabinets, drawers, and parts thereof, File. Victor Safe & Equipment Company. 346,000–002; Serial No. 387,411–3; published Mar. 2, 1937.
Furniture. Barker Bros., Incorporated. 345,850; May 11; Serial No. 384,188; published Mar. 2, 1937.
Pictures. Framed. E. J. Schwabe Manufacturing Co. 346,030; May 11.

CLASS 34

Air conditioning units. Clark Equipment Company. 346,027; May 11.
Air conditioning units. G. Paschal. 345,847; May 11; Serial No. 383,748; published Mar. 2, 1937.
Burners and air registers, Oil. Todd Shipyards Corporation. 346,047; May 11.
Heaters, gas and liquid fuel burners, cooking apparatus, etc., Water. Junkers & Co. Gesellschaft mit beschränkter Haftung. 346,014; May 11.
Lighting-fixtures. General Electric Company. 118,174; renewed Aug. 21, 1937.
Ventilators, stovepipe, elbows, etc. Sheet Metal Mfg. Co. Inc. 118,820; renewed Oct. 2, 1937.

CLASS 35

Belting, lacing, valves, and washers. J. E. Rhoads & Sons. 118,221–2; renewed Aug. 21, 1937.
Tires. Goodyear Tire & Rubber Company. 345,899; May 11; Serial No. 386,250; published Mar. 2, 1937.

CLASS 36

Accordions, Piano. Accordiana, Inc. 345,987; May 11; Serial No. 387,308; published Mar. 2, 1937.
Organs, Electric. Hammond Clock Company. 346,044; May 11.

CLASS 37

Indicators and index devices. Rand Company. 116,458; renewed May 1, 1937.
Paper illustration-board, mat board, photomount board, etc. Hurlock Bros. Company. 118,530; renewed Sept. 18, 1937.
Paper toilet articles. Kirch-Trumbull Corporation. 345,854; May 11; Serial No. 384,591; published Mar. 2, 1937.
Paper towels and napkins, wax paper, and toilet and facial tissue. Charles Croydon Corporation. 345,816; May 11; Serial No. 372,164; published Apr. 21, 1936.
Paper, Wrapping. Saniwax Paper Company. 117,366; renewed July 3, 1937.
Paper, Writing. A. N. Palmer Company. 118,692; renewed Sept. 25, 1937.
Papers, Printing and bond. Butler Paper Corporations. 346,037; May 11.
Pens and fountain pens, Writing. Esterbrook Steel Pen Manufacturing Company. 345,852; May 11; Serial No. 384,412; published Jan. 12, 1937.
Pens and parts thereof, Fountain. Esterbrook Steel Pen Manufacturing Company. 346,046; May 11.
Rubber thumb and finger protectors. Scotch Products Incorporated. 345,910; May 11; Serial No. 386,501; published Mar. 2, 1937.
Stickers, labels, and strip gummed paper, Price. R. S. Avery. 346,036; May 11.

CLASS 38

Publication, Monthly. Dwinell-Wright Company. 118,761; renewed Oct. 2, 1937.

CLASS 39

Belts, Ladies'. Gindlin & Kaplan. 346,035; May 11.
Blouses and dresses. Mitchell & Weber, Inc. 346,045; May 11.
Boots and shoes. General Shoe Corporation. 345,904; May 11; Serial No. 386,366; published Feb. 9, 1937.
Boots and shoes. J. Goodman Shoe Co. 346,041; May 11.
Boots and shoes. International Shoe Co. 345,868; May 11; Serial No. 385,482; published Feb. 9, 1937.
Boots and shoes. A. A. Williams. 345,820; May 11; Serial No. 374,349; published Feb. 9, 1937.
Boots, shoes, and slippers. Irving Drew Company. 345,897; May 11; Serial No. 386,247; published Feb. 23, 1937.
Brassières, girdles, and corsets. L. Smith. 345,880; May 11; Serial No. 385,909; published Feb. 23, 1937.
Chemises, negligees, costume slips, etc. Patricia Petticoat Co. 345,993; May 11; Serial No. 387,390; published Feb. 23, 1937.
Chemises, negligees, panties, etc. Patricia Petticoat Co. 345,927; May 11; Serial No. 386,814; published Feb. 9, 1937.
Coats, vests, and trousers. Rose Brothers. 346,015; May 11.
Collars, shirts, cuffs, etc. Cluett, Peabody & Co. 118,386; renewed Sept. 4, 1937.
Corsets. Lily of France Corset Company. 345,894; May 11; Serial No. 386,213; published Feb. 9, 1937.
Cravats. Harry Isaacs, Inc. 345,888; May 11; Serial No. 386,078; published Feb. 9, 1937.
Dresses, blouses, and sweaters, Ladies' and misses' knitted. Joseph Guttman & Bros., Inc. 346,043; May 11.
Dresses, Ladies'. Constantine Dress Co. 346,021; May 11.
Dresses, pajamas. Bert Finch Mfg. Co. 345,837; May 11; Serial No. 382,509; published Feb. 23, 1937.
Garments and girdles, Foundation. Franco Corset Company. 345,826; May 11; Serial No. 379,238; published Feb. 9, 1937.
Garments for women and children, Fitted. Venus Foundation Garments Inc. 345,814; May 11; Serial No. 371,402; published Feb. 23, 1937.
Gloves, Women's. Elder and Johnston Company. 345,828; May 11; Serial No. 379,692; published Feb. 23, 1937.
Handkerchiefs. Burmel Handkerchief Corporation. 345,963; May 11; Serial No. 387,113; published Mar. 2, 1937.
Handkerchiefs, Men's. Acheson Harden Co. 345,892; May 11; Serial No. 386,143; published Feb. 9, 1937.
Hats and caps. Leon Godchaux Clothing Co. Ltd. 345,938; May 11; Serial No. 386,939; published Feb. 23, 1937.
Hats, coats, dresses, etc., Women's and misses'. National Department Stores Management & Buying Corporation. 345,911; May 11; Serial No. 386,552; published Feb. 23, 1937.
Hats, coats, dresses, etc., Women's and misses'. Truhu Silk Corporation. 345,934; May 11; Serial No. 386,877; published Feb. 23, 1937.
Hats for men. Hat Corporation of America. 345,978; May 11; Serial No. 387,245; published Feb. 23, 1937.
Hats, Ladies'. Eisenberg Bros. 345,883; May 11; Serial No. 386,019; published Feb. 23, 1937.
Heel lifts, soles, and rubber heels. Red Star Shoe Repairing Company. 345,859; May 11; Serial No. 384,817; published Feb. 23, 1937.
Hosiery. Belmont Hosiery Company. 346,029; May 11.
Hosiery. Virginia Maid Hosiery Mills, Inc. 346,032; May 11.
Overalls, work-shirts, and hosiery. Bittner, Hunsicker & Company. 116,582; renewed May 15, 1937.
Shoes. Brown Shoe Company. 345,882; May 11; Serial No. 385,967; published Jan. 26, 1937.
Shoes. Coward Shoe Inc. 345,824; May 11; Serial No. 377,913; published Feb. 9, 1937.
Shoes. Devine & Yungel Shoe Mfg. Co. 345,909; May 11; Serial No. 386,485; published Mar. 2, 1937.
Shoes. Field and Flint Co. 345,918; May 11; Serial No. 386,602; published Feb. 9, 1937.
Shoes. Geo. E. Keith Company. 345,933; May 11; Serial No. 386,863; published Feb. 9, 1937.
Shoes. J. C. Penney Company. 345,903; May 11; Serial No. 386,334; published Feb. 9, 1937.
Shoes. E. B. Plekenbrock & Sons Company. 345,844; May 11; Serial No. 383,324; published Feb. 23, 1937.
Shoes. John Shillito Company. 345,879; May 11; Serial No. 385,906; published Feb. 9, 1937.
Shoes for women. A. S. Beck Shoe Corporation. 345,969; May 11; Serial No. 387,167; published Feb. 23, 1937.
Slips, panties, brassières, etc. A. Livingston. 345,989; May 11; Serial No. 387,331; published Feb. 23, 1937.
Socks, men's union suits, undershirts, etc. J. David. 346,039; May 11.
Suits and coats. Siegel Bros. Kiki Maid Koats Inc. 346,023; May 11.
Suspenders and garters. Knothe Bros. Co. 345,890; May 11; Serial No. 386,117; published Feb. 23, 1937.
Sweaters. Pacific Knitting Mills. 346,024; May 11.
Sweaters, hose, knitted dresses, etc., Knit. Southwest Security Mortgage Corp. 345,864; May 11; Serial No. 385,069; published Feb. 23, 1937.
Vests, bloomers, panties, etc., Knitted. Kingsboro Silk Mills, Inc. 346,040; May 11.
Wear, Women's. Maggy Rouff. 346,025; May 11.

CLASS 40

Braids, Hat. Armand Schwab & Co. Inc. 345,941–2; May 2; Serial Nos. 386,965–6; published Feb. 23, 1937.
Combs. E. Dominici. 345,834; May 11; Serial No. 381,026; published Feb. 23, 1937.

Crochet hooks and knitting pins made from casein. English Needle & Fishing Tackle Co. Ltd. 345,912; May 11; Serial No. 386,583; published Feb. 9, 1937.
Frogs. Shoe Lace Company. 345,907; May 11; Serial No. 386,455; published Feb. 9, 1937.
Pins, Safety. United Chromium, Incorporated. 345,929; May 11; Serial No. 386,827; published Feb. 23, 1937.
Snap-buttons used as garment-fasteners. Waldes & Co. 118,597; renewed Sept. 18, 1937.
Snap-fasteners and placket-fasteners. Waldes & Company of New Jersey. 118,599; renewed Sept. 18, 1937.
Snap-fasteners of all kinds. Waldes & Co. 118,450; renewed Sept. 4, 1937.

CLASS 41

Umbrellas. Haas-Jordan Company. 345,950; May 11; Serial No. 387,065; published Feb. 16, 1937.

CLASS 42

Corduroys in the piece. A. D. Juilliard & Co. 345,949; May 11; Serial No. 387,040; published Mar. 2, 1937.
Cotton and cotton and rayon fabrics, Printed. Southbridge Finishing Company. 346,038; May 11.
Cotton piece goods. Wamsutta Mills. 345,827; May 11; Serial No. 379,655; published Mar. 2, 1937.
Cotton, rayon, acetate, and silk piece goods. Cohn-Hall-Marx Co. 345867; May 11; Serial No. 385,475; published Mar. 2, 1937.
Cotton, rayon, and silk fabrics. A. L. Helwith. 345,836; May 11; Serial No. 381,809; published Mar. 2, 1937.
Fabric made of acetate and tussah silk yarn. Brand & Oppenheimer, Inc. 345,842; May 11; Serial No. 383,083; published Mar. 2, 1937.
Fabrics, carpets, rugs, and upholstery. International Looms, Inc. 345,992; May 11; Serial No. 387,379; published Mar. 2, 1937.
Fabrics in the piece. Julius Kayser & Co. 345,874; May 11; Serial No. 385,691; published Mar. 2, 1937.
Piece goods. Herbert Lehmann, Inc. 345,979; May 11; Serial No. 387,249; published Mar. 2, 1937.
Piece goods. Marshall Field & Company. 345,943–44; May 11; Serial Nos. 386,990–91; published Mar. 2, 1937.
Rayon and wool piece goods, Mixed. A. Brick. 345,901; May 11; Serial No. 386,304; published Mar. 2, 1937.
Rayon textile fabrics. Ross & Oberieder Silk Corp. 345,843; May 11; Serial No. 383,285; published Mar. 2, 1937.
Rugs and carpets. Bigelow-Sanford Carpet Co. Inc. 345,970; May 11; Serial No. 387,168; published Mar. 2, 1937.
Rugs and carpets, Woven textile. Bigelow-Sanford Carpet Co. Inc. 346,028; May 11.
Silk, Broad. Schwarzenbach Huber Co. 118,337; renewed Aug. 28, 1937.
Silk crepe and satin piece goods. R. H. Macy & Co. 345,945; May 11; Serial No. 387,000; published Mar. 2, 1937.
Silk piece goods, artificial silks, rayon, wool, and mixtures of the same. Empire Silk Company. 345,926; May 11; Serial No. 386,795; published Mar. 2, 1937.
Silks in the piece. R. H. Macy & Co. 116,911; renewed June 5, 1937.
Textile fabrics. Hamilton Print works. 345,983; May 11; Serial No. 387,276; published Mar. 2, 1937.
Towels, Knitted bath. Geo. McArthur & Sons Company. 345,972; May 11; Serial No. 387,201; published Mar. 2, 1937.
Woolen textile fabrics. Hopeville Manufacturing Company. 345,866; May 11; Serial No. 385,404; published Mar. 2, 1937.

CLASS 43

Threads and yarns. Società Anonima Snia-Viscosa Società Nazionale Industria Applicazioni Viscosa. 345,908; May 11; Serial No. 386,459; published Feb. 23, 1937.

CLASS 44

Bandages, Gauze. W. F. Thumm. 346,042; May 11.
Prophylactic rubber articles. W. H. Reed. 346,016; May 11.

CLASS 45

Beverage and sirup and extract for making the same. E. Brough. 345,980; May 11; Serial No. 387,266; published Mar. 2, 1937.
Beverage and sirup and extract for making the same, Lithiated lemon. S. T. Rominiecki. 345,985; May 11; Serial No. 387,287; published Mar. 2, 1937.
Beverages and sirups and extracts for making the same. H. F. Buerkle. 345,931; May 11; Serial No. 386,846; published Mar. 2, 1937.
Beverages and syrups, extracts, and flavors used in making the same. J. Frank & Sons, Inc. 346,033; May 11.
Beverages, Carbonated. L. Skrabsky. 345,997; May 11; Serial No. 387,401; published Mar. 2, 1937.
Beverages, Carbonated. L. Skrabsky. 345,998; May 11; Serial No. 387,403; published Mar. 2, 1937.
Beverages, Carbonated. L. Skrabsky. 345,999; May 11; Serial No. 387,405; published Mar. 2, 1937.
Fruit juices for beverage purposes. H. S. Gile & Co. 345,869; May 11; Serial No. 385,516; published Mar. 2, 1937.
Prune juice for beverage purposes. American Stores Company. 345,881; May 11; Serial No. 385,961; published Mar. 2, 1937.
Soda used as a beverage, Lithiated lemon. Double Eagle Bottling Co. 345,925; May 11; Serial No. 386,794; published Mar. 2, 1937.

CLASS 46

Bread. W. E. Long Co. 346,031; May 11.
Bread. Rainbo Baking Company of Cincinnati. 345,856; May 11; Serial No. 384,672; published Mar. 2, 1937.
Candy. R. Edwards. 345,863; May 11; Serial No. 384,995; published Mar. 2, 1937.
Canned fruits and vegetables. Pratt-Low Preserving Company. 115,802; renewed Mar. 6, 1937.
Canned fruits, canned peas, tomatoes, etc. Wadhams & Co. Incorporated. 345,810; May 11; Serial No. 342,679; published Mar. 2, 1937.
Canned vegetables, canned soups, canned fruit juices, etc. Val Vita Food Products, Inc. 345,886; May 11; Serial No. 386,057; published Mar. 2, 1937.
Canned vegetables, fruits, and fish. Emery Food Company. 117,030; renewed June 12, 1937.
Coffee sold in bulk, Raw. W. R. Grace & Co. 346,026; May 11.
Concentrate and preparation rich in vitamin activity. Eff Laboratories, Inc. 345,815; May 11; Serial No. 371,629; published June 2, 1936.
Confectionery. Imperial Candy Co. 116,524; renewed May 8, 1937.
Cranberries. W. R. Wheeler. 345,822; May 11; Serial No. 376,316; published Feb. 23, 1937.
Flour. General Mills, Inc. 345,991; May 11; Serial No. 387,375; published Mar. 2, 1937.
Flour and rye flour, Wheat. Hecker-Jones-Jewell Milling Company. 117,941; renewed Aug. 7, 1937.
Flour and rye-flour, Wheat. Hecker-Jones-Jewell Milling Company. 118,184; renewed Aug. 21, 1937.
Flour, Wheat. Acme Flour Mills Co. 346,003; May 11; Serial No. 387,425; published Mar. 2, 1937.
Flour, Wheat. Duluth-Superior Milling Company. 117,533; renewed July 17, 1937.
Foods. R. H. Macy & Co. 118,308; renewed Aug. 28, 1937.
Fruit, Fresh citrus. F. L. Skinner. 346,008; May 11; Serial No. 387,565; published Mar. 2, 1937.
Gum, Chewing. W. A. Shenton. 345,968; May 11; Serial No. 387,162; published Mar. 2, 1937.
Herrings, pilchards, cod-fish, etc. Carosini & Parodi. 345,819; May 11; Serial No. 374,229; published Mar. 2, 1937.
Olive oil. Briones & Co. 345,887; May 11; Serial No. 386,072; published Mar. 2, 1937.
Pickles, peanut butter, pickle relish, etc. Cairo Pickle Company. 345,905; May 11; Serial No. 386,402; published Mar. 2, 1937.
Rice. Interstate Rice Sales Co. 345,865; May 11; Serial No. 385,142; published Mar. 2, 1937.
Shortening preparation. J. R. Short Milling Company. 345,936; May 11; Serial No. 386,913; published Mar. 2, 1937.
Syrups, peanut butter, and pickles and pickle relish, Table. W. B. Roddenberry Co. 345,906; May 11; Serial No. 386,449; published Mar. 2, 1937.
Vegetables, Fresh. H. P. Fites. 345,823; May 11; Serial No. 376,384; published May 19, 1936.
Yeast foods, Nitrogen containing. Emulsol Corporation. 345,812; May 11; Serial No. 352,163; published Mar. 2, 1937.

CLASS 47

Wines. California Grape Products Company. 345,932; May 11; Serial No. 386,847; published Mar. 2, 1937.
Wines. Fruit Industries, Ltd. 345,902; May 11; Serial No. 386,307; published Mar. 2, 1937.
Wines. Alex D. Shaw & Co. 345,860; May 11; Serial No. 384,870; published Mar. 2, 1937.
Wines. Alex D. Shaw & Co. Inc. 345,914–17; May 11; Serial Nos. 386,598–601; published Mar. 2, 1937.
Wines. Urbana Wine Company. 346,020; May 11.
Wines, Sherry. Marques del Real Tesoro y Cia. 345,811; May 11; Serial No. 344,232; published Mar. 2, 1937.

CLASS 48

Ale. Fitzgerald Bros. Brewing Co. 345,884; May 11; Serial No. 386,021; published Mar. 2, 1937.
Beer. Gallatin Brewing Company. 345,982; May 11; Serial No. 387,274; published Mar. 2, 1937.
Beer. G. Heileman Brewing Co. 345,877; May 11; Serial No. 385,842; published Mar. 2, 1937.
Beer, ale, and porter. Hillsboro Brewing Company. 345,919; May 11; Serial No. 386,649; published Feb. 23, 1937.
Wheat product used in the manufacture of malt beverages and liquors. Patent Cereals Company. 345,913; May 11; Serial No. 386,595; published Mar. 2, 1937.

CLASS 49

Gin liquors. Glaser Bros. 346,019; May 11.
Rum. Park, Benziger & Co. 345,885; May 11; Serial No. 386,043; published Mar. 2, 1937.
Whiskey. K. W. Huber. 346,013; May 11.

Whiskey, gin, rum, etc. S. E. Rykoff & Company. 345,873; May 11; Serial No. 385,647; published Mar. 2, 1937.

Whisky. Tebbetts & Garland Store. 116,805; renewed May 22, 1937.

CLASS 50

Blankets, polishing cloths, and bunting impregnated with a fireproofing material. J. A. Callahan. 346,017; May 11.

Fly-killers. United States Wire Mat Company. 118,244; renewed Aug. 21, 1937.

Hoods for coffee pots, tea pots, etc., Protective and insulating. C. Pieringer. 346,018; May 11.

Processed piece goods. M. Wilks. 345,841; May 11; Serial No. 382,981; published Mar. 2, 1937.

Swatters, Fly. Lubbers & Bell Manufacturing Company. 345,858; May 11; Serial No. 384,800; published Mar. 2, 1937.

LIST OF LABELS

Beauty Bubbles. For an Emollient. J. Baumwell. 49,290; May 11.

Cakeaz. For Prepared Cake-Mix. Continental Mills Inc. 49,295; May 11.

Combinair. For Lead Packs and Erasers Sold in Combination. A. W. Faber, Inc. 49,297; May 11.

Crowley Milner & Co. Footwear. For Footwear. A. C. Clayton Printing Company. 49,292; May 11.

Daniel Webster. For Straight Bourbon Whiskey. Paramount Distilling Corporation. 49,305; May 11.

Delson Shoes. For Cartons. Bird & Son, Inc. 49,291; May 11.

Glade. For Tomatoes. C. Barber. 49,289; May 11.

Happy Housewife. For a Cleansing Compound. G. B. Conner. 49,294; May 11.

Healthena. For Whole Wheat Cereal. P. J. Emery. 49,296; May 11.

Holloway's RX. For a Preparation for the Feet. Holloway, Inc. 49,299; May 11.

Kemp's Chocolates—Hard and Chewy. For Chocolates. E. F. Kemp, Inc. 49,301; May 11.

Ma-Son. For Cut Green Stringless Beans. R. W. Mairs. 49,302; May 11.

Miller's Popped Wheat. For a Cereal Breakfast Food. Miller Cereal Mills. 49,303; May 11.

Monolin. For a Floor Composition. S. Waldyn. 49,312; May 11.

Nutrimere-Kelp. For Kelp. Vita Products, Inc. 49,311; May 11.

Old Maude. For Fortified White Wine. S. Sands. 49,308; May 11.

Peacock. For Syrup. Penick & Ford, Ltd. Incorporated. 49,306; May 11.

Perfection. For Soda Crackers. Perfection Biscuit Company. 49,307; May 11.

Retail-Tested. For Jewelry. Granat Bros. 49,298; May 11.

Schreiber's Half Porter & Half Ale. For a Beverage Consisting of Half Porter and Half Ale. Schreiber Brewing Company, Inc. 49,309; May 11.

Shanspun. For a Fabric. B. Shanberg. 49,310; May 11.

Valmor Corn Knocker. For a Liquid Preparation for Removing Corns. M. G. Neumann. 49,304; May 11.

Vel-Ve-Ta-Flat Interior Finish. For Ready Mixed Paint. Colonial Works. 49,293; May 11.

Wash and Polish for all Purposes. For a Liquid Preparation Used as a Wash and Polish for all Purposes. J. R. Zipay. 49,313; May 11.

Watercleen. For Mineralized Water. F. H. Johnson. 49,300; May 11.

Wise Up. For a Lithiated and Alkalized Beverage. A-Treat Bottling Company. 49,288; May 11.

LIST OF PRINTS

America's First True Wrist Watch. For Watches and Watch Movements. Gruen Watch Company. 16,190; May 11.

Dine with Wine. For Wine. R. Pingitore. 16,191; May 11.

It's Valen-Time Now at MacFarlane's. For Confectionery. Awful Fresh MacFarlane. 16,188; May 11.

Normal-Tred for Body Balance. For Shoes. C. R. Fafilk. 16,189; May 11.

Sunday's the Day (Valen-Time) to Give a 'Sweet Heart' Box of Chocolates. For Confectionery. Awful Fresh MacFarlane. 16,187; May 11.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)

Carter, Ralph H. (See Elssner, R., and Carter.)

Du Pont, E. I., de Nemours & Company. (See Robertson, Kenneth J. R., assignor.)

Elssner, Richard, Elizabethton, and R. H. Carter, Johnson City, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Method of equalizing the dyeing qualities of artificial filaments. 20,356; May 11.

Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Tuning dial. 20,357; May 11.

Goldschmidt, Th. A.-G. (See Schrader, Hans, assignor.)

Horn, Erhard, Leipzig, Germany. Rate of climb indicator. 20,363; May 11.

Macomic, Chester A., Chicago, Ill., assignor to Macomic Corporation. Carriage drive mechanism. 20,358; May 11.

Macomic Corporation. (See Macomic, Chester A., assignor.)

North American Rayon Corporation. (See Elssner, R., and Carter, assignors.)

Patents Incorporated. (See Swan, Harry, assignor.)

Robertson, Kenneth J. R., London, England, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for cleaning articles, particularly metallic goods. 20,359; May 11.

Rosenstein, Ludwig, assignor to Shell Development Company, San Francisco, Calif. Treating water. 20,360; May 11.

Schrader, Hans, Essen-Ruhr, assignor to the firm Th. Goldschmidt A.-G., Essen-Ruhr, Germany. Producing emulsions. 20,361; May 11.

Shell Development Company. (See Rosenstein, Ludwig, assignor.)

Swan, Harry, New York, N. Y., assignor to Patents Incorporated, Wilmington, Del. Razor. 20,362; May 11.

LIST OF DESIGN PATENTEES

Adams, Wilbur H., Cleveland, Ohio, assignor to Erie Meter Systems, Inc., Erie, Pa. Dispensing device. 104,489; May 11.

Adler, Charles, New York, N. Y. Clip. 104,429; May 11.

Alterson, Louis, New York, N. Y. Shoe ornament. 104,430; May 11.

Anderson, Laura V., Glendale, Calif. Baby's bib. 104,490; May 11.

Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Combined milling machine column and base. 104,431; May 11.

Artz, Emanuel L., Brooklyn, N. Y. Charm. 104,432; May 11.

Atlas Supply Company. (See Partenheimer, Joseph E., assignor.)

Bach, Alfons, assignor to Cohn-Hall-Marx Co., New York, N. Y. Textile fabric or similar article. 104,511; May 11.

Bach, Alfons, assignor to Cohn-Hall-Marx Co., New York, N. Y. Textile fabric or similar article. 104,512; May 11.

Ballenzweig, Julius, New York, N. Y. Lady's handbag or similar article. 104,433; May 11.

Bausch & Lomb Optical Company. (See Trautmann, Otto E., assignor.)

Berry, Helen, New York, N. Y. Dress. 104,513; May 11.

Berry, Helen, New York, N. Y. Dress. 104,514; May 11.

Biva, Lucien, assignor to Otto Timme, doing business under name and style of E. F. Timme & Son, New York, N. Y. Rug. 104,434; May 11.

Blake Manufacturing Corporation. (See Rochrich, Paul E., assignor.)

Blake Manufacturing Corporation. (See Wood, Orville T., assignor.)

Boggs, Frederick B., Springfield, Ohio. Electric manicuring machine. 104,491; May 11.

Bonardi, Giuseppe, New York, N. Y. Bottle or similar article. 104,435; May 11.

Brandt Cabinet Works, Inc., The. (See Brandt, Carl H., assignor.)

Brandt, Carl H., assignor to The Brandt Cabinet Works, Inc., Hagerstown, Md. Console extension table. 104,436; May 11.

Brunner, Elmer F., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Tire. 104,492; May 11.

Bulman, Orville L., assignor to E. O. Bulman Manufacturing Co., Inc., Grand Rapids, Mich. Showcase or similar article. 104,437; May 11.

Bulman, E. O., Manufacturing Co., Inc. (See Bulman, Orville L., assignor.)

Calderazzo, Dominick J., Brooklyn, N. Y. Slipper. 104,438; May 11.

Calton, Robert G., assignor to Tennessee Enamel Manufacturing Company, Nashville, Tenn. Gas heater casing. 104,439; May 11.

Canelstein, Gotel, New York, N. Y. Textile fabric or similar article. 104,440; May 11.

Ceisler, Elvira, New York, N. Y. Dress. 104,515; May 11.

Chicago Flexible Shaft Company. (See Scharfenberg, George T., assignor.)

Clayton, Lloyd L., New York, N. Y. Tire. 104,493; May 11.

Cohen, Harry, assignor to The Perfection Steel Body Company, Galion, Ohio. Dump body. 104,441; May 11.

Cohn-Hall-Marx Co. (See Bach, Alfons, assignor.)

Cohn-Hall-Marx Co. (See Gundermann, George W., assignor.)

Cohn-Hall-Marx Co. (See Turner, William L., assignor.)

Coleman, Tora, New York, N. Y. Dress. 104,516; May 11.

Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Cake box cover. 104,442; May 11.

Consolidated Book Publishers, Inc. (See Mounteney, Leonard, assignor.)

Dayton Rubber Mfg. Company, The. (See Mooradian, Harry S., assignor.)

Diaz, Grace, New York, N. Y. Dress ensemble. 104,517; May 11.

Elkonin, Aaron, Brooklyn, N. Y. Combined dial and hands for a clock or similar article. 104,443; May 11.

Erie Meter Systems, Inc. (See Adams, Wilbur H., assignor.)

Fader, William, Newark, N. J. Baking oven. 104,444; May 11.

Florence Stove Company. (See Kruck, Ralph E., assignor.)

Forstmann, Curt E., Montclair, N. J. Textile fabric. 104,494; May 11.

Gallagher, James P., Arlington, N. J. Golf club head. 104,495; May 11.

Gorham Manufacturing Company. (See O'Donnell, John P., assignor.)

Gundermann, George W., Flushing, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y. Textile fabric or similar article. 104,445; May 11.

Haas, Carl F., Cleveland, Ohio, assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Lighting unit. 104,446; May 11.

Haas, Carl F., Cleveland, Ohio, assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Lighting unit. 104,447; May 11.

Hamilton, Bertis F., Columbus, Ind. Combined jar and bottle wrench. 104,448; May 11.

Hamilton, J. T. & A., Company. (See Kihn, Lawrence J., assignor.)

Hansen, Melvin O., assignor to Libbey Glass Company, Toledo, Ohio. Tumbler. 104,449; May 11.

Huber, Otto E., Reading, assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 104,496; May 11.

International Projector Corporation. (See Kindelmann, A., and Soehl, assignors.)

Kearney & Trecker Corporation. (See Armitage, Joseph B., assignor.)

Keen, Thomas A., San Mateo, Calif., assignor to Hannah M. Smith, River Forest, Ill. Starting box. 104,450; May 11.

Keller, Frank, Pasadena, Calif. Vacuum cleaner. 104,451; May 11.

Kelly, Jess C., Cambridge, Ohio. Jug or similar article. 104,452; May 11.

Kihn, Lawrence J., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company. Glass bottle. 104,453; May 11.

Kindelmann, Albert, Floral Park, and C. A. Soehl, Hensonville, assignors to International Projector Corporation, New York, N. Y. Pedestal for motion picture machines. 104,497; May 11.
Knox, Alene. (See Van Sandt, J. J., and Knox.)
Koch, Joseph W., Santa Fe, N. Mex. Cheese slicer. 104,454; May 11.
Kornfeld, Morton D., New York, N. Y. Textile fabric. 104,455; May 11.
Kornfeld, Morton D., New York, N. Y. Textile fabric. 104,456; May 11.
Kornfeld, Morton D., New York, N. Y. Textile fabric. 104,457; May 11.
Kruck, Ralph E., Springfield, assignor to Florence Stove Company, Gardner, Mass. Space heater. 104,458; May 11.
Lemmon, Richard R., New Albany, Ind. Combined stand and ashtray. 104,459; May 11.
Libbey Glass Company. (See Hansen, Melvin O., assignor.)
Lippert, Morris, Brooklyn, N. Y. Shoe. 104,460; May 11.
Lowy, Edward, Brighton Beach, N. Y. Handbag. 104,461; May 11.
Lowy, Edward, Brighton Beach, N. Y. Handbag. 104,462; May 11.
Lowy, Edward, Brighton Beach, N. Y. Handbag. 104,463; May 11.
MacDonald, Royal C., Trenton, N. J. Combined draftsman tool and letter opener. 104,498; May 11.
Makepeace, D. E., Company. (See Rohman, William A., assignor.)
McCarthy, Louis A., Minneapolis, Minn. Road marker. 104,464; May 11.
McNamara, Daniel J., Albany, N. Y. Plaque. 104,465; May 11.
Mooradian, Harry S., assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio. Tire. 104,499; May 11.
Moore, Jesse C., Indianapolis, Ind. Table for a school chair or the like. 104,500; May 11.
Morgan, John R., Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill. Bicycle frame. 104,501; May 11.
Mounteney, Leonard, assignor to Consolidated Book Publishers, Inc., Chicago, Ill. Book cover. 104,466; May 11.
Narrow Fabric Company, The. (See Huber, Otto E.)
O'Donnell, John P., Hartford, Conn., assignor to Gorham Manufacturing Company, Providence, R. I. Spoon or other article of flatware. 104,467; May 11.
Overmyer, George J., Sapulpa, Okla. Furniture knob. 104,502; May 11.
Owens-Illinois Can Company. (See Connor, Martha H., assignor.)
Partenheimer, Joseph E., assignor to Atlas Supply Company, Newark, N. J. Tire. 104,503; May 11.
Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated. Bicycle handle bar extension stem. 104,504; May 11.
Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated. Bicycle handle bar extension stem. 104,505; May 11.
Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated. Bicycle handle bar extension stem. 104,506; May 11.
Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated. Bicycle mud guard. 104,507; May 11.
Perfection Steel Body Company. (See Cohen, Harry, assignor.)
Perugia, André, Paris, France. Shoe or similar article. 104,468; May 11.
Perugia, André, Paris, France. Shoe or similar article. 104,469; May 11.
Perugia, André, Paris, France. Shoe or similar article. 104,470; May 11.
Perugia, André, Paris, France. Shoe or similar article. 104,471; May 11.
Perugia, André, Paris, France. Shoe or similar article. 104,472; May 11.
Phillips, Henry F., Portland, Oreg. Screw. 104,473; May 11.
Roberts, John J., Louisville, Ky. Electric traffic signal for graduating transit-periods. 104,518; May 11.
Roehrich, Paul E., Hastings, N. Y., assignor to Blake Manufacturing Corporation, Clinton, Mass. Bottle or similar article. 104,474; May 11.
Rohman, William A., Attleboro, Mass., assignor to The D. E. Makepeace Company. Optical wire. 104,475; May 11.
Rosen, Harold. (See Silverstein, R., and Rosen.)
Russell, Linus E., Springfield, Ohio. Exhaust pipe extension. 104,476; May 11.
Scharfenberg, George T., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Coffee maker or the like. 104,477; May 11.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Silverstein, Raymond, and H. Rosen, Chicago, Ill. Radio cabinet or similar article. 104,478; May 11.
Smith, Hannah M. (See Keen, Thomas A., assignor.)
Soehl, Claude A. (See Kindelmann, A., and Soehl.)
Steelman, James S., assignor to Whitall Tatum Company, Millville, N. J. Bottle. 104,479; May 11.
Tennessee Enamel Manufacturing Company. (See Calton, Robert G., assignor.)
Timme, E. F., & Son. (See Biva, Lucien.)
Timme, Otto. (See Biva, Lucien, assignor.)
Trautmann, Otto E., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projector. 104,480; May 11.
Turiansky, Abraham, New York, N. Y. Shoe upper material. 104,488; May 11.
Turpan, Mark, West New York, N. J. Textile fabric. 104,508; May 11.
Turner, William L., Hollis, assignor to Cohn-Hall-Marx Co., New York, N. Y. Textile fabric or similar article. 104,481; May 11.
Turner, William L., Hollis, assignor to Cohn-Hall-Marx Co., New York, N. Y. Textile fabric or similar article. 104,519; May 11.
Turpan, Mark, West New York, N. J. Textile fabric. 104,482; May 11.
Van Sandt, Jesse J., and A. Knox, Los Angeles, Calif. Restaurant. 104,483; May 11.
Wald Manufacturing Company. (See Pawsat, Ewald F., assignor.)
Weinig, George A., Dover, Ohio. Handle for a cooking pan or similar article. 104,484; May 11.
Weinstat, Samuel, New York, N. Y. Shoe or similar article. 104,485; May 11.
Westinghouse Electric and Manufacturing Company. (See Haas, Carl F., assignor.)
Wexman, Mary, Brooklyn, N. Y. Doll. 104,509; May 11.
Whitall Tatum Company. (See Steelman, James S., assignor.)
Wilde, Hans W., North Bergen, N. J. Textile fabric. 104,486; May 11.
Wilt, Elmer E., Chicago, Ill. Suit case. 104,487; May 11.
Wingfoot Corporation. (See Brunner, Elmer F., assignor.)
Wood, Orville T., assignor to Blake Manufacturing Corporation, Clinton, Mass. Flashlight. 104,510; May 11.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abegg, Walter A., Los Angeles, Calif. Tubing head. 2,079,646; May 11.
Abegg, Walter A., assignor of one-half to B. Reinhold, Los Angeles, Calif. Valve for slush pumps and the like. 2,079,647; May 11.
Abramson, John H., and E. C. Swanson, assignors to Greenlee Bros. & Co., Rockford, Ill. Pipe pusher. 2,080,104; May 11.
Abramson, Nathan, New York, N. Y. Electric outlet. 2,080,247; May 11.
Ackley, Ervin L., assignor to John Bath & Company, Worcester, Mass. Hob grinding machine. 2,079,785; May 11.
Albrecht, Hermann F., Berlin-Friedrichshagen, Germany, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Roll carrier for photographic strip film. 2,080,026; May 11.
Aldeen, Gedor W., and T. Erickson, assignors to American Cabinet Hardware Corp., Rockford, Ill. Catch. 2,079,648; May 11.
Alexander, Joseph A., assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of oil-wax mixtures. 2,079,596; May 11.
Allen, Howard G., Edgewood, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Stapling or wire stitching machine. 2,079,673; May 11.
Allen, Howard G., Edgewood, and H. A. Bickford, Warwick, R. I., assignors to Boston Wire Stitcher Company, Portland, Maine. Staple-extractor. 2,079,672; May 11.
Allen, Hugh E., assignor of one-half to A. G. McCaleb, Evanston, Ill. Quickly prepared raw vegetable soups. 2,079,649; May 11.
Allen, Paul A. (See Brown, L. F., and Allen.)
Allingham, John, assignor of one-half to W. N. Rossberg, Los Angeles, Calif. Recovery of precious metals. 2,079,597; May 11.
Allis-Chalmers Manufacturing Company. (See Ring, Joseph J., assignor.)
Alisop, Thomas, and W. W. Sibson, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Conveyer pole for drying machines and the like. 2,080,027; May 11.
American Cabinets Hardware Corp. (See Aldeen, G. W., and Erickson, assignors.)
American Can Company. (See Bonthron, William C., assignor.)
American Engineering Company. (See Preston, Herbert E., assignor.)
American Enka Corporation. (See Bakker, Willem, assignor.)
American Enka Corporation. (See Rathgeber, Ferdinand, assignor.)
American Floor Surfacing Machine Company, The. (See Myers, Harry L., assignor.)
American Iron and Machine Works Company. (See Owen, Frank M., assignor.)
American-La France-Foamite Corporation. (See Walker, Hubert, assignor.)
American Laundry Machinery Company, The. (See Matthews, Albert, assignor.)
American Machine & Foundry Company. (See Gwinn, G. W., Arelt, and Nejedly, assignors.)
American Platinum Works. (See Ledig, Kurt K., assignor.)
American Reenforced Paper Company. (See Jackson, Patrick T., assignor.)
American Sales Book Company. (See Pringle, W. A., and Manuel, assignors.)
American Steel and Wire Company of New Jersey, The. (See Bletso, B. N., and Carlson, assignors.)
American Steel Foundries. (See Oelkers, Alfred H., assignor.)
American Telephone and Telegraph Company. (See Swart, Leland K., assignor.)
Anchor Cap & Closure Corporation. (See Podel, Abraham, assignor.)
Anders, Rudolph, Los Angeles, Calif. Ventilated clothing. 2,079,080; May 11.
Anderson Company, The. (See Smulski, Theodore J., assignor.)
Anderson, Ralph W. (See McCoy, V. E., and Anderson.)
Anderson, Rexford O. (See Carson, A. H., Anderson, and Davenport.)
Apple, George W., Waldron, Ind. Hook latch for sliding doors. 2,080,000; May 11.
Arbuckle, Samuel F., Highland Park, Mich., assignor to S. F. Arbuckle Corporation. Brake mechanism. 2,079,588; May 11.
Arbuckle, Samuel F., Highland Park, Mich., assignor to S. F. Arbuckle Corporation. Brake mechanism. 2,079,589; May 11.
Arbuckle, S. F., Corporation. (See Arbuckle, Samuel F., assignor.)
Archea, Walter D. (See Roehm, E. G., and Archea.)
Archea, Walter D., Norwood, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Machine tool organization. 2,079,700; May 11.
Archer, Robert S., Chicago, Ill., assignor to The Republic Steel Corporation, Youngstown, Ohio. Treating steel. 2,080,159; May 11.
Arelt, Charles. (See Gwinn, G. W., Arelt, and Nejedly.)
Armstrong, Howard, Philadelphia, Pa. Ventilator. 2,079,590; May 11.
Arnold, Harold G., Wooster, Ohio. Tooth brush massager. 2,079,728; May 11.
Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Atomizer. 2,079,587; May 11.
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Atlantic Refining Company, The. (See Alexander, Joseph A., assignor.)
Austin, Frank E., Hanover, N. H. Scenic insect cage. 2,080,160; May 11.
Automatic Musical Instrument Company, The. (See Olson, Phillip W., assignor.)
Avery, Julian M., Greenwich, Conn., assignor, by mesne assignments, to Arthur D. Little, Incorporated, Cambridge, Mass. Producing sponge iron. 2,080,028; May 11.
Avery, W. & T., Limited. (See Cox, Herbert N., assignor.)
Babcock & Wilcox Company, The. (See McAllister, Alexander R., assignor.)
Bacon, Charles J., Brooklyn, N. Y. Collapsible display container. 2,080,105; May 11.
Bacon, Elbridge F. (See McKinley, C. W., Bacon, and Clason.)
Bagby, Ralph B., Evanston, Ill. Filling machine. 2,080,298; May 11.
Bailey, W. J., et al. (See Brandenburg, Harry J., assignor.)
Bain, George W., and W. S. Brian, assignors, by mesne assignments, to Ken-Rad Tube & Lamp Corporation, Owensboro, Ky. Making lamps and tubes. 2,079,893; May 11.
Baker, J. T., Chemical Company. (See Fitzgerald, William P., assignor.)
Baker Oil Tools, Inc. (See Baker, R. C., and Burt, assignors.)
Baker Perkins Company Inc. (See Tunley, A. A., and Paterson, assignors.)
Baker, Reuben C., Coalinga, and C. E. Burt, Los Angeles, assignors to Baker Oil Tools, Inc., Huntington Park, Calif. Apparatus for blanking and cementing off perforated well casings in a well bore. 2,079,830; May 11.
Bakeries Service Corporation. (See Bradley, A. M., and Watson, assignors.)
Bakker, Willem, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Treatment of artificial silk. 2,080,193; May 11.
Balfe, George T., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich. Gasket. 2,079,729; May 11.
Ballou, Howard M., North Attleboro, Mass. Comb. 2,080,248; May 11.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Gripper mechanism for printing presses. 2,080,249; May 11.
Barbet, Emile A., Paris, France. Apparatus and process for the continuous distillation-rectification of musts containing acetone, ethyl alcohol and butyl-alcohol. 2,080,194; May 11.
Barsby, Charles R., Liverpool, and H. R. L. Streight, Runcorn, England, assignors to Imperial Chemical Industries Limited. Acid resisting composition. 2,079,756; May 11.
Bartell, Floyd E., Ann Arbor, Mich. Textile testing machine. 2,079,591; May 11.
Bartlett, John N., Tonawanda, N. Y. Amusement apparatus. 2,080,029; May 11.
Bath, John, & Company. (See Ackley, Ervin L., assignor.)
Battin, Pauline N., College Point, N. Y. Garbage receptacle. 2,079,592; May 11.
Bauer, Andrew, Jr., Forest Hills, N. Y., and R. Whewell, New Bedford, Mass., assignors to United Merchants and Manufacturers, Inc., New York, N. Y. Curtain. 2,079,831; May 11.

Bay, Adolf, Lincoln Park, and P. Schmidt, Wyomissing, assignor to Textile Machine Works, Wyomissing, Pa. Loop forming mechanism for straight knitting machines. 2,080,353; May 11.

Bay State Optical Company. (See Nerney, George E., assignor.)

Beard, Earl E., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of anthraquinone compounds and a product produced thereby. 2,080,106; May 11.

Bechmann, Rudolf, and W. Schneider, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Piezoelectric crystal holder. 2,079,894; May 11.

Beck, Adolf, Betterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Container having a high resistance to corrosion by alkaline and soda ash solutions. 2,079,786; May 11.

Becket, Frederick M., New York, N. Y., and R. Franks, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide & Carbon Corporation. Welding chromium alloy steels. 2,080,001; May 11.

Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuit. 2,080,250; May 11.

Bednall, Harry, W., England, assignor to Ferrand & Suddards, Limited, Bradford, England. Strap fastening. 2,079,981; May 11.

Beeman, Lyle, Milwaukee, Wis. Hot water supply regulator. 2,079,650; May 11.

Belden, Neeta M., administratrix. (See High, James P.)

Bell, Gilbert, Lonsdale, R. I. Machine for recording textile construction or design. 2,079,674; May 11.

Bell Telephone Laboratories, Incorporated. (See Fitch, K. E., and Kinkead, assignors.)

Bell Telephone Laboratories, Incorporated. (See Gorton, William S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Grisdale, Richard O., assignor.)

Bell Telephone Laboratories, Incorporated. (See Lovell, Clarence A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Lovell, C. A., and Wegel, assignors.)

Bell Telephone Laboratories, Inc. (See Ranges, John E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Weaver, Myron A., assignor.)

Bělohlávek, Bruno, Moravská Ostrava, Czechoslovakia. Furnace wall, furnace-gas baffle plate and the like. 2,079,982; May 11.

Belt, Joseph S., Amarillo, Tex., assignor to J. S. Belt Natural Resource Corporation, Phoenix, Ariz. Apparatus for producing carbon dioxide. 2,080,300; May 11.

Belt, J. S., Natural Resource Corporation. (See Belt, Joseph S., assignor.)

Bendix Aviation Corporation. (See Tognola, Tullio, assignor.)

Benjamin, Harry S., Utica, N. Y. Coin controlled mechanism. 2,079,832; May 11.

Bennett, Herbert G. R., Duquesne, Pa. Kick-off operating mechanisms. 2,079,833; May 11.

Benning, Anthony F., Penns Grove, N. J., and L. G. Benton, and R. G. Clarkson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibiting corrosion of metals. 2,080,299; May 11.

Benton, Lawrence G. (See Benning, A. F., Benton, and Clarkson.)

Berchet, Gerard J., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Unsaturated ethers and producing same. 2,079,758; May 11.

Berger Manufacturing Company, et al. (See Foehrenbach, A. F., and Shoup, assignors.)

Berggren, Bernard, Genoa, Nebr. Automobile protecting device. 2,080,161; May 11.

Bergholm, Harry K., Larchmont, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Absorption refrigeration system. 2,080,195; May 11.

Berill, Carroll H., assignor of one-half to E. Gruen, New York, N. Y. Book delivering cabinet. 2,080,219; May 11.

Berio, Allessandro. (See Donadon, G., Cardino, and Berio.)

Berk, Sol K., Brookline, Mass. Tear-off cap. 2,079,757; May 11.

Berkowitz, Robert, assignor to Metal Hose & Tubing Co. Inc., Brooklyn, N. Y. Gasoline hose. 2,079,598; May 11.

Beth, Hugo W. H., assignor to Norton Company, Worcester, Mass. Pulpstone. 2,079,787; May 11.

Bethlehem Steel Company. (See Geer, Harry R., assignor.)

Bickford, Herbert A. (See Allen, H. G., and Bickford.)

Bishelany, Elias C., Brooklyn, N. Y. Rupture pad cover. 2,079,675; May 11.

Bitter, John L., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Reenforced rubber article. 2,080,002; May 11.

Blair, Harry R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Gainer mechanism for winding machines. 2,079,730; May 11.

Bletso, Bruce N., and C. O. Carlson, Cleveland Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey. Tool. 2,080,030; May 11.

Blevens, Emmett, Louisville, Ky. Support for artificial lower legs. 2,080,003; May 11.

Blomberg, Martin P. (See Mussey, W. H., and Blomberg.)

Blomberg, Martin P., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Motorcar. 2,079,748; May 11.

Bloom, Otto I. (See Ish-Shalom, S., and Bloom.)

Blumenkrantz, Max, New York, N. Y. Sewing machine and method. 2,079,834; May 11.

Bocchino, Joseph, Dover, N. J. Chain link. 2,080,301; May 11.

Boedecker, Friedrich, Dahlem, and H. Gruber, Schoneberg, near Berlin, Germany, assignors to the firm J. D. Riedel-E. de Haen A.-G., Berlin, Germany. Tri-substituted barbituric acid. 2,080,071; May 11.

Boehm, Robert M. (See Mason, W. H., Boehm, and Koonce.)

Boenig, George C., Philadelphia, Pa. Tie cabinet. 2,079,593; May 11.

Bohn Aluminum and Brass Corporation. (See Eggenweiler, C. W., and Fiegel, assignors.)

Bohn Aluminum & Brass Corporation. (See Mahle, Hermann, assignor.)

Bonat, Harry, New York, N. Y. Method and apparatus for waving hair. 2,079,983; May 11.

Bonthron, William C., Baltimore, Md., assignor to American Can Company, New York, N. Y. Container. 2,079,599; May 11.

Booe, James M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrode. 2,080,390; May 11.

Booth, Adelaide B. et al. (See Wilson, Elihu C., assignor.)

Border, Lawson E. (See Von Fuchs, G. H., and Border.)

Bosch, Robert, Aktiengesellschaft. (See Dobler, E., and Holm, assignors.)

Bostonia Products Co. (See Smith, Herbert W., assignor.)

Boston Wire Stitcher Company. (See Allen, Howard G., assignor.)

Boston Wire Stitcher Company. (See Allen, H. G., and Bickford, assignors.)

Bourdon, Russell G. (See Hunter, D. E., and Bourdon.)

Bowen, Myron W., assignor to Hydraulic Brake Company, Detroit, Mich. Braking mechanism. 2,080,196; May 11.

Bradley, Ausborn M., and G. E. Watson, Detroit, Mich., assignors to Bakeries Service Corporation, New York, N. Y. Baking. 2,080,162; May 11.

Bradley, Isaac F., Dallas, Tex. Cover for wells and cisterns. 2,079,835; May 11.

Brandenburg, Harry J., Glendora, assignor of fifty-five per cent to F. E. Wood, W. G. Cartter, J. B. Seem, and W. J. Bailey, Monrovia, Calif. Fruit brusher. 2,080,197; May 11.

Brandenburg, Harry J., Glendora, assignor of fifty-five per cent to F. E. Wood, W. G. Cartter, J. B. Seem, and W. J. Bailey, Monrovia, Calif. Fruit brusher. 2,080,198; May 11.

Brandstein, Samuel J., Brooklyn, N. Y. Shampoo garment. 2,080,107; May 11.

Brandstein, Samuel J., Brooklyn, N. Y. Cover for containers of different sizes. 2,080,108; May 11.

Brennan, Martin J., Milwaukee, Wis. Camp stove. 2,080,109; May 11.

Brenner, Bert, Union, N. J., assignor to S. Cohn, New York, N. Y. Bridge wire. 2,080,110; May 11.

Brian, William S. (See Bain, G. W., and Brian.)

Brice, Leonard J., Monongahela, Pa. Fuel saving device for internal combustion engines. 2,080,302; May 11.

Bridgeport Thermostat Company. (See Mantle, Joseph G. C., assignor.)

Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)

Brooks, George W., La Grange, assignor to The S. O. S. Company, Chicago, Ill. Cleansing article. 2,079,600; May 11.

Brooks, Irene G., Cleveland, Ohio. Supplemental catch mechanism for locks. 2,079,295; May 11.

Broslus, Edgar E., Pittsburgh, Pa. Valve. 2,079,896; May 11.

Brown & Bailey Company. (See Reiter, Henry J., assignor.)

Brown, Dudley B. W., Dobbs Ferry, N. Y. Airplane. 2,079,677; May 11.

Brown, Lawrence F., and P. A. Allen, assignors to Cortland Line Company, Inc., Cortland, N. Y. Braiding machine control. 2,079,836; May 11.

Brown, Robert E., Los Angeles, assignor of one-half to J. B. Parker, Pasadena, Calif. Apparatus for distilling water. 2,079,897; May 11.

Buckley, Arthur H., Chicago, Ill. Power-operated mechanism. 2,079,837; May 11.

Budd, Edward G., Manufacturing Company. (See Schiff, Ludwig, assignor.)

Buffalo Brake Beam Company. (See Busch, Charles R., assignor.)

Buffalo Electro-Chemical Company. (See Kauffmann, Hans O., assignor.)

Bullock, Fred J., deceased, Shortsville, N. Y., by V. V. Bullock, administratrix, Rochester, N. Y., assignor to Papec Machine Company, Shortsville, N. Y. Ensilage cutter. 2,079,838; May 11.

Bullock, Violet V., administratrix. (See Bullock, Fred J.)

Bump, Albert H., Watertown, Mass., assignor, by mesne assignments, to Monsanto Chemical Company. Purification of alcohols obtained from olefines. 2,080,111; May 11.

Bunting Brass and Bronze Company, The. (See Yager, G. F., and Heath, assignors.)

Burchenal, William, Glendale, Ohio, assignor to The Philip Carey Manufacturing Company. Dispensing and measuring apparatus. 2,079,898; May 11.

Burgett, Lynn S., Euclid, assignor to Una Welding, Inc., East Cleveland, Ohio. Automatic welding head. 2,079,956; May 11.

Burke, Roscoe E. (See Periat, M., and Burke.)

Burnett, Richard W., Chicago, Ill. Hand brake. 2,079,984; May 11.

Burns, Erwin. (See Wickersham, H. P., and Burns.)

Burns, Frank J., Youngstown, Ohio. Apparatus for controlling an iron cord. 2,079,759; May 11.

Burt, Clarence E. (See Baker, R. C., and Burt.)

Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Rebound reducing means for car truck springs. 2,079,985; May 11.

Busick, Adrien F., Jr., assignor to The Marion Steam Shovel Company, Marion, Ohio. Boom for excavating machines or the like. 2,080,163; May 11.

Buskard, Samuel G., New York, N. Y. Candle holder. 2,080,251; May 11.

Butter, Otto. (See Butter, Karl, and O.)

Butter, Karl, Rostock, and O. Butter, Warnemunde, Germany. Explosion rivet. 2,080,220; May 11.

Butterworth, Samuel D., Detroit, Mich., assignor, by mesne assignments, of ninety-nine per cent to The Worth Company. Car loading device. 2,079,829; May 11.

Butterworth, Samuel D., Detroit, Mich., assignor, by mesne assignments, of ninety-nine per cent to The Worth Company. Car loading device. 2,079,930; May 11.

Butterworth, Samuel D., Detroit, Mich., assignor of ninety-nine per cent to The Worth Company. Car loading device. 2,079,931; May 11.

Byers, Wesley M., Miami, Tex. Grain drill screen. 2,079,839; May 11.

Byrkit, Rollin J., Jr., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Method for the production of a noble metal catalyst. 2,079,840; May 11.

Bysshe, Ernest T., and R. R. Finn, assignors to Jones & Lamson Machine Company, Springfield, Vt. Circular chaser and mounting therefor. 2,080,303; May 11.

California Spray-Chemical Corporation. (See Volck, William H., assignor.)

Calkins, Claude C., Spokane, Wash. Vehicle rocking machine. 2,080,112; May 11.

Campbell, Osmon B., St. Joseph, Mo. Method and apparatus for operating steam generators. 2,079,986; May 11.

Canfield, Robert H., Washington, D. C. Detector for combustible gas. 2,079,601; May 11.

Caprio, Amerigo F. (See Walsh, J. F., and Caprio.)

Caprio, Amerigo F. (See Walsh, J. F., Smith, and Caprio.)

Cardino, Michele. (See Donadon, G., Cardino, and Berio.)

Carey, Philip, Manufacturing Company, The. (See Burchenal, William, assignor.)

Carey, Philip, Manufacturing Company, The. (See Fischer, Albert C., assignor.)

Carl, Fred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulphuric acid by the contact process. 2,079,760; May 11.

Carlisle, Robert W. (See Fairbanks, J. B., and Carlisle.)

Carlson, Clarence O. (See Bletso, B. N., and Carlson.)

Carson, Amon H., R. O. Anderson, and C. D. Davenport, Oklahoma City, Okla. Rotary rig drilling control. 2,079,841; May 11.

Carson, Henry A., Burbank, Calif. Cylinder oiler for internal combustion engines. 2,079,676; May 11.

Carter, Bernard M., Montclair, N. J., assignor to General Chemical Company, New York, N. Y. Production of sulphur. 2,080,384; May 11.

Carton Container Company. (See Ringler, William A., assignor.)

Cartter, W. G., et al. (See Brandenburg, Harry J., assignor.)

Case, Charles Z., London, England, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Spool for winding film through cameras. 2,080,072; May 11.

Caterpillar Tractor Co. (See Eberhard, Harmon S., assignor.)

Celanese Corporation of America. (See Dickie, W. A., and Greenwood, assignors.)

Celanese Corporation of America. (See Dreyfus, C., Miles, and Platt, assignors.)

Celanese Corporation of America. (See Jenett, Henry, assignor.)

Celanese Corporation of America. (See Platt, Herbert, assignor.)

Celanese Corporation of America. (See Whitehead, William, assignor.)

Celluloid Corporation. (See Walsh, J. F., and Caprio, assignors.)

Celluloid Corporation. (See Walsh, J. F., Smith, and Caprio, assignors.)

Chambers, Ivan F., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Process and composition for printing textile fiber. 2,079,788; May 11.

Champion-International Company. (See Rogers, Luther B., assignor.)

Charles, Ernest A., Clamecy, assignor to Société des Produits Chimiques de Clamecy, and Etablissements Lambiotte Frères, Premery, France. Treatment of aqueous solutions of acetic acid. 2,079,789; May 11.

Chemical Extraction Corporation. (See Lyford, Emerson F., assignor.)

Chemical Works formerly Sandoz. (See Kappeler, Markus, assignor.)

Chemische Fabrik Stockhausen & Cie. (See Strauch, Georg, assignor.)

Chicago Cardboard Company. (See Ziemmerman, Henry A., assignor.)

Chilton, Roland, Ridgewood, N. J. Transmission. 2,079,678; May 11.

Chilton, Roland, Ridgewood, N. J. Transmission. 2,079,679; May 11.

Chilton, Roland, Ridgewood, N. J. Transmission. 2,079,680; May 11.

Chilton, Roland, Ridgewood, N. J. Transmission. 2,079,681; May 11.

Chilton, Roland, Ridgewood, N. J. Transmission control. 2,079,682; May 11.

Chilton, Roland, Ridgewood, N. J. Transmission. 2,079,683; May 11.

Chipman Knitting Mills. (See Michler, John F., assignor.)

Christensen, Rasmus. (See Wheeler, P. R., and Christensen.)

Christmann, John M., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,079,899; May 11.

Church, Harold D., Cleveland Heights, Ohio. Hydraulic remote control. 2,079,684; May 11.

Cichanski, Joseph A. (See Demosky, S., and Cichanski.)

Cinamon, Lionel, New York, N. Y. Electroplating bath composition and producing the same. 2,079,842; May 11.

Cincinnati Milling Machine Co., The. (See Archea, Walter D., assignor.)

Cincinnati Milling Machine Company, The. (See Roehm, E. G., and Archea, assignors.)

Clark, Eldon S., Detroit, Mich., assignor, by mesne assignments, to The Timken-Detroit Axle Company. Joint sealing device. 2,079,731; May 11.

Clarke, H. Borden. (See Negus, Frank G., assignor.)

Clarkson, Richard G. (See Benning, A. F., Benton, and Clarkson.)

Clason, Ragnar F. (See McKinley, C. W., Bacon, and Clason.)

Clem, Earle J., assignor of forty per cent to V. D. Hall, Decatur, Ark. Exercising machine. 2,079,594; May 11.

Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Purifying secondary amines. 2,080,366; May 11.

Clifton, Harry V., Erie, Pa. Recorder. 2,079,957; May 11.

Cloud, William S., Wilmette, Ill. Method and apparatus for making confections. 2,080,113; May 11.

Cochin, John D., San Francisco, Calif. Vehicle lift. 2,080,114; May 11.

Cochran, Clyde E., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 2,080,304; May 11.

Cohn & Rosenberger, Inc. (See Placco, Oscar F., assignor.)

Cohn, Sigmund. (See Brenner, Bert, assignor.)

Cohn, Willi M., Berkeley, Calif. Testing materials. 2,079,900; May 11.

Collins, Edgar V., assignor to Iowa State College Alumni Association, Incorporated, Ames, Iowa. Reversible soil moving implement. 2,079,595; May 11.

Colorigh, Vincent L., Tulsa, Okla. Truck body attachment. 2,079,790; May 11.

Compo Shoe Machinery Corporation. (See Well, Harvey V., assignor.)

Congdon, Oliver, Brooklyn, N. Y. Automatic safety shutoff for burners. 2,080,385; May 11.

Conley, Joseph S., Pine Bluff, Ark. Headlight. 2,079,732; May 11.

Conner, Guy O., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Card holder. 2,080,164; May 11.

Consolidated Mining & Smelting Company of Canada, Limited, The. (See Lepsoe, Robert, assignor.)

Consolidated Mining & Smelting Company of Canada, Limited, The. (See Lepsoe, R., and Mills, assignors.)

Continental Can Company. (See McKinnis, Ronald B., assignor.)

Cook, Elsie, owner by decree of court. (See Cook, Galen B.)

Cook, Galen B., Independence, Mo., E. Cook, owner by decree of court. Bag for collecting laundry and the like. 2,080,252; May 11.

Cook, Hal L., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Method and device for locating and machining parts of apparatus. 2,079,791; May 11.

Cooper, Fred, Garfield, Kans. Self oiling pitman. 2,079,987; May 11.

Cooper, William H. (See Toth, E., and Cooper.)

Cornell Securities Corporation. (See Schnorr, Charles H., assignor.)

Cortland Line Company. (See Brown, L. F., and Allen, assignors.)
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Cox, Herbert N., assignor to W. & T. Avery Limited, Birmingham, England. Maximum load indicator for testing machines. 2,080,165; May 11.
Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Web and sheet controlling means. 2,079,651; May 11.
Crist, Donald M., San Francisco, Calif. Production of ferric hydroxide. 2,079,602; May 11.
Crouch, Marion L., et al. (See Hauk, Edwin, assignor.)
Crowe, Orley J., Detroit, Mich. Bead molding. 2,080,166; May 11.
Crucible Steel Company of America. (See Hawkridge, Leslie D., assignor.)
Cruver Manufacturing Company. (See Madle, Frank, assignor.)
Cummings William C., Deadwood, S. Dak. Ventilating mechanism for toilet bowls. 2,079,733; May 11.
Cushman, Edward S., Port Washington, and Edward Konik, assignors to New York Association for the Blind, New York, N. Y. Connecting device. 2,079,988; May 11.
Daimler-Benz Aktiengesellschaft. (See Schwaiger, Karl, assignor.)
Dale, James H., Shelbyville, Tenn. Tape cutting machine. 2,080,305; May 11.
Dällenbach, Walter, Berlin-Charlottenberg, and G. Leischner, Berlin-Schmockwitz, Germany, assignors to N. V. Machinerieen-en Apparaten Fabrieken "Meaf" Utrecht, Netherlands. Transformer. 2,079,843; May 11.
Da Valle, Peter, South Crate, Calif. Apparatus for the distillation of alcohol. 2,080,167; May 11.
Davenport, Clarence D. (See Carson, A. H., Anderson, and Davenport.)
Davidson, Arthur C., Canton, Conn., assignor of one-third to B. Fleeger, Tulsa, Okla. Metallurgical addition agent and process. 2,079,901; May 11.
Davis, Harold G., Denver, Colo. Coffee maker. 2,079,603; May 11.
Davis, Harold S., and A. W. Francis, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of esters from olefines. 2,079,652; May 11.
Dawson, George H., assignor to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 2,079,761; May 11.
Day, J. H., Company, The. (See Schiff, Sigmund, assignors.)
Dean, Charles A., Bakersfield, Calif. Drill. 2,080,116; May 11.
Dean, Charles A., Bakersfield, Calif. Roller shoulder bit. 2,080,117; May 11.
Dean, Charles E., Bayside, N. Y., assignor to Hazeltine corporation. Control system. 2,080,115; May 11.
Dearborn, Frederick E., Washington, D. C., dedicated to the free use of the public. Double salt of copper aesenite and a copper salt of an unsaturated fatty acid and process of making the same. 2,080,004; May 11.
De Florez, Luis, Pomfret, Conn., assignor to The Texas Company, New York, N. Y. Method and apparatus for heating fluids. 2,080,221; May 11.
De Groote, Melvin, St. Louis, and B. Keiser, assignors to The Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,079,762; May 11.
De Groote, Melvin, St. Louis, and B. Keiser, assignors to The Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,079,763; May 11.
De Groote, Melvin, St. Louis, and B. Keiser, assignors to The Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,079,764; May 11.
Delano, James K., New York, N. Y. Gear-case cleaning apparatus. 2,079,989; May 11.
Demosky, Stephen, and J. A. Cichanski, Jackson, Mich. Hair clipper. 2,080,200; May 11.
Dennison, Brook J., New Kensington, Pa., assignor to Pittsburgh Plate Glass Company. Making safety glass. 2,079,701; May 11.
Detroit Gasket & Mfg. Co. (See Balfe, George T., assignor.)
Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
Development Associates, Inc. (See Strindberg, Richard, assignor.)
Devereux, James N., deceased, Greenville, Miss.; M. Devereux administratrix, assignor to United States Gypsum Company, Chicago, Ill. Fiberboard. 2,080,031; May 11.
Devereux, Margaret, administratrix. (See Devereux, James N.)
De Vore, Elmer L. and R. E., Meadville, Pa. Vehicle. 2,079,844; May 11.
De Vore, Raymond E. (See De Vore, Elmer L. and R. E.)
De Voursney, Andrew M. (See Smeaton, C. G., and De Voursney.)
De Witt, Reinhold, Flint, assignor to General Motors Corporation, Detroit, Mich. Speed cup balancing machine. 2,079,902; May 11.
Dick, Caspar W. (See Thompson, Wesley S., assignor.)
Dickerson, Walker T., Company, The. (See Gordon, Hiram, assignor.)
Dickie, William A., and E. L. Greenwood, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of material. 2,079,604; May 11.
Diel, Daniel J., New York, N. Y. Lawn mower. 2,0808,354; May 11.
Diesel, William F., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y. Lock mechanism. 2,079,702; May 11.
Diesel, William F., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y. Lock mechanism. 2,079,703; May 11.
Dietert, Harry W., Detroit, Mich. Moisture teller. 2,080,168; May 11.
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,080,169; May 11.
Direct Current Welding Company. (See Mirfield, George E., assignor.)
Ditmore, George W., Albany, N. Y. Journal box lubricating pad. 2,079,734; May 11.
Dobler, Erich, and L. Holm, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Switch control device. 2,080,306; May 11.
Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,079,605; May 11.
Dodson, Edward, Streetham, London, England. Controlling internal combustion aircraft engines. 2,079,958; May 11.
Domizi, Dante, Cleveland, assignor to Muzak Corporation of Ohio, Lakewood, Ohio. Radio receiving apparatus. 2,080,253; May 11.
Donadon, Giacinto, M. Cardino, and A. Berio, Genoa, assignors to Soc. An-Salbe, Turin, Italy. Elastic plug. 2,080,201; May 11.
Donlan, Theodore R., Irvington, N. J., assignor to Stanco Incorporated. Detergent composition. 2,079,793; May 11.
Doran, John E., assignor to The G. A. Gray Company, Cincinnati, Ohio. Control mechanism for milling planers or other machines. 2,079,735; May 11.
Douglas, Frederick L., Barrie, Ontario, Canada. Nonalcoholic beverage. 2,080,032; May 11.
Drackett Company, The. (See Eudaly, N. L., and Vollner, assignors.)
Drake, Wilkie M., Breckenridge, Mich. Trigger protector. 2,080,202; May 11.
Dresser, S. R., Manufacturing Company. (See Hirst, Homer T., assignor.)
Dreyfus, Camille, New York, N. Y., G. W. Miles, Boston, Mass., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Dyed material of organic derivatives of cellulose. 2,080,254; May 11.
Drummond, Alan A. (See Morgan, H. H., and Drummond.)
Drummond, Alan A., Gerrards Cross, and H. H. Morgan, Slough, England, assignors to Imperial Chemical Industries Limited. Producing resins. 2,079,606; May 11.
Dryer, Charles G. (See Lowry, C. D., Jr., and Dryer.)
Dubbs, Carbon P., Wilmette, assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 2,080,118; May 11.
Duell, Edith B., New York, N. Y. Display device. 2,080,119; May 11.
Duffy, Herbert L., Sumner, assignor to Indian Refining Company, Lawrenceville, Ill. Solvent recovery in dewaxing operations. 2,080,222; May 11.
Dundon, Merle L. (See Staud, C. J., and Dundon.)
Dunlap, Porter. (See Taylor, E. H., Pardue, Dunlap, and Edmunds.)
Du Pont, E. I., de Nemours & Company. (See Beard, Earl E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Benning, A. F., Benton, and Clarkson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Berchet, Gerard J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carl, Fred, assignor.)
Du Pont, E. I., de Nemours & Company. (See Chambers, Ivan F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Heckert, Winfield W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Holt, Harold S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hopkins, H. H., Pinnimer, and Stone, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Johnson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Magill, Paul La F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rothrock, Henry S., assignor.)
Durling, Serene M., El Paso, Tex. Shoe display stand. 2,080,033; May 11.
Dvorak, Mary M. (See Janda, Joseph N., assignor.)
Eagle Knitting Mills, Inc. (See Wengen, Frank J., assignor.)
Earostoff, Serglus A., San Francisco, Calif. Bottle cap. 2,079,794; May 11.
Eastburg, Clifford L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Truck. 2,079,845; May 11.
Eastman Kodak Company. (See Albrecht, Hermann F., assignor.)
Eastman Kodak Company. (See Case, Charles Z., assignor.)

Eastman Kodak Company. (See Fritts, Edwin C., assignor.)
Eastman Kodak Company. (See Hughey, Carter J., assignor.)
Eastman Kodak Company. (See Landucci, Alfred D. G., assignor.)
Eastman Kodak Company. (See Malm, C. J., and Gardner, assignors.)
Eastman Kodak Company. (See Martin, Lawrence R., assignor.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Sheppard, S. E., and Schmitt, assignors.)
Eastman Kodak Company. (See Staud, C. J., and Dundon, assignors.)
Eastman Kodak Company. (See White, Frank L., assignor.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Eberhard, Harmon S., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Transmission. 2,079,903; May 11.
Economy Filler Processes, Inc. (See Fair, Albert E. H., assignor.)
Edgarton, Frank R., Pittsburgh, Pa. Antiskid device. 2,079,990; May 11.
Edlund, Karl R. (See Evans, T., and Edlund.)
Edmunds, Sterling O. (See Taylor, E. H., Pardue, Dunlap, and Edmunds.)
Eggenweiler, Charles W., and W. J. Fiegel, assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich. Apparatus for babbitting a continuous strip in the formation of half bearings and the like. 2,080,170; May 11.
Eichel, John V., Jr., assignor to H. S. Getty & Co., Inc., Philadelphia, Pa. Transom operator. 2,080,307; May 11.
Elsen, Jay B., Yonkers, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Making center spot. 2,080,255; May 11.
Elsen, Jay B., Yonkers, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Making center spot crowns. 2,080,256; May 11.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Making antiknocking motor fuel and synthetic resins. 2,079,607; May 11.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Elwell-Parker Electric Company, The. (See Cochran, Clyde E., assignor.)
Erickson, Carl P., assignor to Rex Manufacturing Company, Connersville, Ind. Refrigerator cabinet. 2,079,608; May 11.
Erickson, Thorsten. (See Aldeen, G. W., and Erickson.)
Ernst, Walter, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del. Automatic minimum pressure control for operating machinery. 2,079,904; May 11.
Estate Stove Company, The. (See Kahn, B. B., and Hake, assignors.)
Estel, Edwin L., St. Louis, Mo. Surveying instrument. 2,079,795; May 11.
Etablissements Lambiotte Freres et al. (See Charles, Ernest A., assignor.)
Eudaly, Newton L., and H. H. Vollner, assignors to The Drackett Company, Cincinnati, Ohio. Machine for feeding and applying inserts to can-cover insets. 2,080,039; May 11.
Evans, Theodore, Kensington Park, and K. R. Edlung, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Mixed tertiary butyl ethers. 2,080,034; May 11.
Everett, David W., San Francisco, Calif. Cooling a light projector and the beam produced thereby. 2,080,120; May 11.
Fair, Albert E. H., St. Catharines, Ontario, Canada, assignor to Economy Filler Processes, Inc., Niagara Falls, N. Y. Machine for the manufacture of paper. 2,079,846; May 11.
Falk Corporation, The. (See Schmitter, Walter P., assignor.)
Fairbanks, Jerry B., and R. W. Carlisle, Los Angeles, Calif. Cooking utensil. 2,080,171; May 11.
Farmers Mercantile Company. (See Renault, Jean C., assignor.)
Farner, Joseph E. (See Major, R. F., and Farner.)
Farnsworth Television Incorporated. (See Varian, Russell H., assignor.)
Farrar, Elizabeth J., et al. (See Wilson, Elihu C., assignor.)
Farrington, Charles E., Phoenixville, Pa. Bushing for drums. 2,079,991; May 11.
Fear, Ralph G., Los Angeles, Calif. Eliminating background noise in recording sound. 2,079,959; May 11.
Fear, Ralph G., Los Angeles, Calif. Combined printing and recording machine. 2,079,960; May 11.
Fergusson, Alan R., New York, N. Y., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Closure cap for receptacles. 2,079,932; May 11.
Fernsch Aktien-Gesellschaft. (See Schubert, Georg, assignor.)
Ferraud & Suddards, Limited. (See Bednall, Harry, assignor.)
Ffield, Paul D., assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Improving the physical properties of austenitic steels. 2,080,367; May 11.
Ffield, Paul D., assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Improving the physical properties of austenitic steels. 2,080,368; May 11.
Fibreboard Products Inc. (See Ford, G. F., and Pittman, assignors.)
Fiegel, William J. (See Eggenweiler, C. W., and Fiegel.)
Finke, Herman A., St. Louis, Mo. Reversing valve gear. 2,080,203; May 11.
Finkeldey, Fritz A. B., Santa Cruz, Calif. Making high silica cement. 2,079,796; May 11.
Finley, Walter H., Nashville, Tenn. Overflow preventing apparatus. 2,080,073; May 11.
Finn, Robert R. (See Bysshe, E. T., and Finn.)
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for pressing soles on shoes. 2,080,035; May 11.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying pressure to shoe bottoms. 2,080,036; May 11.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying pressure to shoe bottoms. 2,080,037; May 11.
Finrock, John Q., Los Angeles, and F. P. Sager, Alhambra, assignors to National Postal Meter Company, Los Angeles, Calif. Locking system for a selective denomination registering and printing machine. 2,079,704; May 11.
First National Bank of Bartlesville, The. (See Fitch, L. H., Jr., and Frey.)
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Method and apparatus for manufacture of sheet surfacing materials. 2,080,386; May 11.
Fisher, Charles S., Detroit, Mich., assignor to Saylor-Beall Manufacturing Company. Spray gun. 2,079,933; May 11.
Fiske, Augustus H., Warren, assignor to Rumford Chemical Works, Rumford, R. I. Purification of phosphate source for acid manufacture. 2,079,847; May 11.
Fiske, Bradley A., New York, N. Y. Reading machine. 2,080,172; May 11.
Fitch, Karl E., Chatham, and F. S. Kinkead, Ridgefield Park, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph exchange system. 2,079,685; May 11.
Fitch, Louis H., Jr., deceased, and F. E. Frey, Bartlesville, Okla.; The First National Bank of Bartlesville administrators of said Louis H. Fitch, Jr., assignors to Phillips Petroleum Company. Catalytic treatment of gasoline. 2,079,934; May 11.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Output regulator for motor generators. 2,080,257; May 11.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Carburetor. 2,080,258; May 11.
Fitzgerald, William P., Easton, Pa., assignor to J. T. Baker Chemical Company, Phillipsburg, N. J. Producing protein-iodine compounds. 2,079,797; May 11.
Fleeger, Burtner. (See Davidson, Arthur C., assignor.)
Fleming, Eli L., Long Beach, Calif. Stuffing box. 2,080,121; May 11.
Flexlume Corporation. (See Gordon, W., Nauth, and Kniep, assignors.)
Flexlume Corporation. (See Nauth, Raymond, assignor.)
Floridin Company. (See Hartshorne, Frank W. K., assignor.)
Fochrenbach, Arthur F., and R. F. Shoup, assignors of one-half to Berger Manufacturing Company, Canton, Ohio, and one-half to Shoup Voting Machine Corporation, Union City, N. J. Voting machine interlock for negative and affirmative ballots. 2,079,686; May 11.
Foran, Edwin V. (See Walker, J. P., and Foran.)
Ford, George F., Beverly Hills, and W. F. Pittman, Huntington Park, assignors to Fibreboard Products Inc., San Francisco, Calif. Container. 2,080,122; May 11.
Forrest, Henry O. (See Keith, P. C., Jr., and Forrest.)
Fourness Development Corporation, Ltd. (See Fourness, Wilfred, assignor.)
Fourness, Wilfred, Oakland, Calif., assignor, by mesne assignments, to Fourness Development Corporation, Ltd. Refrigerating system. 2,079,687; May 11.
Francis, Alfred W. (See Davis, H. S., and Francis.)
Francis, Charles B., Pittsburgh, Pa. Making steel. 2,079,848; May 11.
Francis, Lynn M., Birmingham, assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Running gear for vehicles. 2,080,123; May 11.
Frank, Manuel boy, Port Richmond, Staten Island, N. Y. Container or receptacle. 2,079,688; May 11.
Franks, Russell. (See Becket, F. M., and Franks.)
Fraser, George H., Brooklyn, N. Y. Air and other separator. 2,079,609; May 11.
Frazier, George E., Clever, Mo., assignor of fifty per cent to G. Wampler, Springfield, Mo. Testing electrical condensers. 2,080,308; May 11.
Frazier, William D., Hamilton, Ohio. Pitching horseshoe. 2,079,736; May 11.
Frederickson, Clayton E., Chicago, Ill. Razor blade vending and collecting cabinet. 2,080,038; May 11.

Frei, John, Jr., Chicago, Ill. Light transmitting means. 2,080,259; May 11.
Frey, Frederick E. (See Fitch, L. H., Jr., and Frey.)
Frey, Frederick E., assignor to Phillips Petroleum Company, Bartlesville, Okla. Converting hydrocarbons. 2,079,935; May 11.
Freyssinet, Eugène, Neuilly-sur-Seine, and J. Séailles, Paris, France. Piece of reenforced concrete. 2,080,074; May 11.
Friberg, Bengt F., assignor to Laclede Steel Company, St. Louis, Mo. Reenforced concrete structure. 2,080,124; May 11.
Fridén, John H., East Orange, assignor to The Sun Tube Corporation, Hillside, N. J. Extrusion apparatus. 2,079,905; May 11.
Fritts, Edwin C., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Mounting for oversized reels on projectors. 2,080,040; May 11.
Frost, George S., Baldwin, N. Y. Pie package. 2,080,125; May 11.
Fuller, Fred. J., Los Angeles, Calif., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Plate clamp for printing machines. 2,080,260; May 11.
Funk, Henry J., Park Ridge, assignor to Soreng-Manegold Company, Chicago, Ill. Mounting bracket. 2,080,261; May 11.
Fuwa, Kitsuzo, and F. Suzuki, Tokyo, Japan, assignors to General Electric Company. Glass composition. 2,080,262; May 11.
Galvin Manufacturing Corporation. (See Yoder, R. S., and Wood, assignors.)
Gardner, Howard S., Jr. (See Malm, C. J., and Gardner.)
Garrett, Nelson F. (See Gibson, J. T., and Garrett.)
Gáspár, Belá, Brussels, Belgium. Producing color-photographic images and cinematograph films and light-sensitive emulsion therefor. 2,080,041; May 11.
Gastrich, Gustave, assignor to Textile Machine Works, Wyomissing, Pa. Straight knitting machine for producing run-resist barrier stitches in knitted wearing apparel. 2,080,223; May 11.
Gastrow, Hans, assignor to Firma Franz Braun Akt.-Ges., Zerbst in Anhalt, Germany. Die casting machine. 2,079,936; May 11.
Geer, Harry R., Westmont, Pa., assignor to Bethlehem Steel Company. Reel. 2,080,355; May 11.
Geib, Robert L., Los Angeles, Calif., assignor to Warner Brothers Pictures, Inc., New York, N. Y. Film developing machine. 2,079,849; May 11.
Geisert, Lewis, Philadelphia, Pa. Line casting machine. 2,080,309; May 11.
General Aniline Works, Inc. (See Kunz, Max A., Koeberle, and Kochendoerfer, assignors.)
General Aniline Works, Inc. (See Neresheimer, H., and Ruppel, assignors.)
General Aniline Works, Inc. (See Schrader, Gerhard, assignor.)
General Cable Corporation. (See Lobdell, George S., assignor.)
General Chemical Company. (See Carter, Bernard M., assignor.)
General Electric Company. (See Bedford, Burnice D., assignor.)
General Electric Company. (See Fuwa, K., and Suzuki, assignors.)
General Electric Company. (See Paxton, Robert, assignor.)
General Electric Company. (See Rogers, L. B., and Hamilton, assignors.)
General Electric Company. (See Smith, Henry M., assignor.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Warner, Donald F., assignor.)
General Motors Corporation. (See De Witt, Reinhold, assignor.)
General Motors Corporation. (See Geyer, Bertram B., assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Gibson, J. Lowell, assignor.)
General Motors Corporation. (See Kamrath, Herbert G., assignor.)
General Motors Corporation. (See Kucher, Andrew A., assignor.)
General Motors Corporation. (See McCormack, Alex A., assignor.)
General Motors Corporation. (See McKinley, Charles W., assignor.)
General Motors Corporation. (See McKinley, C. W., Bacon, and Clason, assignors.)
General Motors Corporation. (See Rockwell, Edward A., assignor.)
General Motors Corporation. (See Rossman, Edwin F., assignor.)
General Motors Corporation. (See Summers, Otto M., assignor.)
Gessler, Samuel, assignor to Rubini Cigar Company, Inc., Chicago, Ill. Dice mat. 2,079,850; May 11.
Getty, H. S., & Co. (See Eichel, John V., Jr., assignor.)
Geyer, Bertram B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,080,369; May 11.
Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Resilient mounting unit. 2,079,798; May 11.
Gibson, Eugene C., Springfield, Pa. Freeing edible crustacean flesh from chitin material. 2,080,263; May 11.
Gibson, J. Lowell, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,080,310; May 11.
Gibson, John T., and N. F. Garrett, Barrie, Ontario, Canada. Internal combustion engine. 2,080,126; May 11.
Glibert, Sidney L., Marcellus, N. Y. Closure for collapsible tubes. 2,080,075; May 11.
Gilpin, Garth G., Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill. Wall panel for railway cars. 2,080,005; May 11.
Givelet, Armand J. (See Loth, W. A., and Givelet.)
Givelet, Joseph A. (See Loth, W. A., and Givelet.)
Glenny, Clarence S., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Bicycle basket. 2,079,851; May 11.
Glinz, Edgar H. (See Wright, J. W., and Glinz.)
Goedike, George G., assignor to Roberts & Porter, Inc., Chicago, Ill. Dampening roller for lithographic presses. 2,080,127; May 11.
Goff, Harold E., assignor to Shambow Shuttle Company, Woonsocket, R. I. Loom shuttle. 2,079,799; May 11.
Goldberg, Max W., assignor to Modern Equipment Company, Port Washington, Wis. Manufacturing ladles. 2,079,765; May 11.
Goldsmith, Lloyd T., Hollywood, Calif., assignor to United Research Corporation, Long Island City, N. Y. Light valve regulation. 2,079,906; May 11.
Gonzalez, Julio, Jersey City, N. J., assignor of one-half to M. A. Greenberg. Locking device for motor vehicles. 2,079,992; May 11.
Goodrich, B. F., Company, The. (See Reimel, Samuel R., assignor.)
Goodyear-Zeppelin Corporation. (See Field, Paul D., assignor.)
Gordon, Hiram, Columbus, Ohio, assignor to The Walker T. Dickerson Company, Columbus, Ohio. Laying channel flaps. 2,079,705; May 11.
Gordon, Hiram, assignor to The Walker T. Dickerson Company, Columbus, Ohio. Laying channel flaps. 2,079,706; May 11.
Gordon, William, R. Nauth, and K. H. Kniep, assignors, by mesne assignments, to Flexiume Corporation, Buffalo, N. Y. Luminous sign and mounting the same. 2,079,707; May 11.
Gorton, William S., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Repeating station for ocean cables. 2,079,689; May 11.
Goss Printing Press Company, The. (See Crafts, Curtis S., assignor.)
Grand Trimmed Hat Mfg. Co. (See Siegel, Earl, assignor.)
Grant, Albert E., New York, N. Y. Lamp socket. 2,079,800; May 11.
Grant, Albert E., New York, N. Y. Electric lamp. 2,079,801; May 11.
Grassby, George A., Jr., assignor to Kirsch Company, Sturgis, Mich. Bottom rail for Venetian blinds. 2,079,852; May 11.
Gray, G. A., Company, The. (See Doran, John E., assignor.)
Gray, Leo E., San Pedro, Calif. Shower head. 2,080,264; May 11.
Greenberg, Matthew A. (See Gonzalez, Julio, assignor.)
Greenlee Bros. & Co. (See Abramson, J. H., and Swanson, assignors.)
Greenway, Lewis M., Lansdowne, Pa. Table. 2,079,737; May 11.
Greenwood, Ernest L. (See Dickie, W. A., and Greenwood.)
Greenwood, George C., and R. Scholz, Lorain, Ohio, assignors to National Tube Company. Threading apparatus. 2,079,853; May 11.
Gregory, Edwin C., New Harmony, Ind. Cream separator. 2,080,042; May 11.
Grisdale, Richard O., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making resistance devices. 2,079,690; May 11.
Gruber, Heinrich. (See Boedecker, F., and Heinrich.)
Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. High frequency superheterodyne receiver. 2,080,128; May 11.
Gruen, Eugene. (See Berill, Carroll H., assignor.)
Guardite Corporation. (See Merriam, C. J., and Wiles, assignors.)
Guimond, Henri, Detroit, Mich. Clip. 2,080,173; May 11.
Gulf Research & Development Company. (See Pigott, Reginald J. S., assignor.)
Guliotta, Charles, Glendale, Long Island, N. Y. Windshield squeegee. 2,080,129; May 11.
Gutmann, Ferdinand, & Co. (See Eisen, Jay B., assignor.)
Gutmann, Ferdinand & Co. (See Gutmann, Jesse, assignor.)

Gutmann, Jesse, Babylon, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Making center spot crowns. 2,080,265; May 11.
Gwinn, George W., Hewlett, C. Arelt, Richmond Hill, and P. M. Nejedly, Brooklyn, N. Y., assignors to American Machine & Foundry Company. Wrapping attachment for cigarette packers. 2,080,266; May 11.
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 2,080,076; May 11.
Hake, Carl J. (See Kahn, B. B., and Hake.)
Hall, Vern D. (See Clem, Earle J., assignor.)
Hamilton, William S. H. (See Rogers, L. B., and Hamilton.)
Hammond Clock Company, The. (See Hammond, Laurens, assignor.)
Mammond, Laurens, assignor to The Hammond Clock Company, Chicago, Ill. Motor. 2,080,371; May 11.
Hans, Thomas, Chicago, Ill. Treating paper. 2,079,993; May 11.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Controlling tube characteristics. 2,080,204; May 11.
Hansen, A. L., Mfg. Co. (See Hansen, Augie L., assignor.)
Hansen, Augie L., assignor to A. L. Hansen Mfg. Co., Chicago, Ill. Stapling and tacking machine. 2,080,130; May 11.
Harper, Elmer E., Kansas City, Mo. Flow-responsive means for fluid-flow apparatus. 2,080,267; May 11.
Harper, William D., Wellesley, Mass. Automobile brake rigging. 2,080,131; May 11.
Harper, Worthy C., Caldwell, Ohio. Stand. 2,080,205; May 11.
Harris, James C., Jr., Baltimore, Md. Metallurgical induction furnace. 2,079,610; May 11.
Harris, John H., Peterboro, N. Y. Projectile. 2,079,937; May 11.
Harris, Moses H., New York, N. Y. Combined eyecup and dispensing means. 2,080,268; May 11.
Harrison, Clark W., Chester, Pa. Smoker's mouthpiece. 2,079,961; May 11.
Hart, Edward H. L. (See Hart, Henry M. and H. R., and E. H. L.)
Hart, George T., Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Drying sponges. 2,079,708; May 11.
Hart, Hector R. (See Hart, Henry M., and H. R., and E. H. L.)
Hart, Henry M. and Hector R. Hart, Durban, and E. H. L. Hart, Johannesburg, Union of South Africa. Door handle and the like. 2,080,174; May 11.
Hartshorne, Frank W. K., Quincy, Fla., assignor to Floridin Company, Warren, Pa. Treating naturally active earth and product thereof. 2,079,854; May 11.
Harvey, Alexander T., Muskogee, Okla. Baby's nursing bottle heater. 2,079,611; May 11.
Hasley, Andreas M., Randers, Denmark. Electrical relay. 2,080,356; May 11.
Hauk, Edwin, assignor of one-half to M. L. Crouch and O. M. Crouch, Milwaukee, Wis. Apparatus for handling dairy products. 2,080,370; May 11.
Hauk, Leo G., Minneapolis, Minn. Grain weighing apparatus. 2,079,802; May 11.
Hawkridge, Leslie D., Newton Center, Mass., assignor to Crucible Steel Company of America, New York, N. Y. Needle wire. 2,079,907; May 11.
Hawley, Charles G., Chicago, Ill., assignor to H. H. Pinney, Cleveland, Ohio. Locomotive boiler. 2,080,269; May 11.
Hayes, Anna M., administratrix. (See Hayes, Harry C.)
Hayes, Harry C., deceased, Detroit, Mich.; A. M. Hayes, administratrix. Refrigerating coil for refrigerating machines. 2,080,387; May 11.
Hazel-Atlas Glass Company. (See Fergusson, Alan R., assignor.)
Hazeltine Corporation. (See Dean, Charles E., assignor.)
Heath, Oliver J. (See Yager, G. F., and Heath.)
Heckert, Winfield W., Ardentown, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Fabric and preparing same. 2,080,043; May 11.
Heider, James L., Columbus, Ohio. Mop holder. 2,079,709; May 11.
Henley, Norris B., Fort Myers, Fla. Measuring and dispensing machine. 2,080,311; May 11.
Henry, Charles P., Cranston, assignor to J. N. Henry, Providence, R. I. Ornamental support for draperies. 2,080,270; May 11.
Henry, James N. (See Henry, Charles P., assignor.)
Herb, Leroy B., Wyomissing, Pa., assignor to Vanity Fair Silk Mills, Reading, Pa. Stocking having strain absorbing zone with improved capacity to stretch. 2,079,738; May 11.
Hercules Powder Company. (See Byrkit, Rollin J., Jr., assignor.)
Herman, Kenneth R. (See Vickers, H. F., and Herman.)
Herriger, Felix. (See Kuhle, W. E., Prinz, and Herriger.)
Hetland, Edwin, et al. (See Stewart, L. S.)
Heymann, Hans, assignor to Carl Schenck Eisengiesserei & Maschinenfabrik Darmstadt, G. m. b. H., Darmstadt, Germany. Vibrating mechanism. 2,079,653; May 11.
Heywood-Wakefield Company. (See Larsen, Lewis, assignor.)
Hickernell, Frederick A., Maricopa County, Ariz. Vibratory therapeutic device. 2,079,994; May 11.
Higginbottom, Harold H. (See Peterson, Hans J. and J. C., and Higginbottom.)
High, James P., deceased, Wichita, Kans.; N. M. Belden, administratrix. Picture production. 2,080,312; May 11.
Hines, Claude M. (See Witmer, H. G., and Hines.)
Hinrichs, Louis H., deceased, Ryegate, Mont., by N. M. Hinrichs, Colchester, Ill. Double action two cycle motor. 2,080,313; May 11.
Hinrichs, Nellie M., administratrix. (See Hinrichs, Louis H.)
Hirsch, Horthensia, West Los Angeles, Calif. Lingerie clasp. 2,079,855; May 11.
Hirst, Homer T., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Reducer for threaded follower pipe joints or couplings. 2,080,271; May 11.
Hobart Manufacturing Company, The. (See Wood, George R., assignor.)
Hochstadter, Martin, Brussels, Belgium, and W. Vogel, Cologne Mulheim, Germany, assignors, by mesne assignments, to Protona A. G., Basel, Switzerland. Electric cable instalation. 2,079,856; May 11.
Hodgkins, Albert A., Leonia, N. J., assignor to Surfacing Wheel Corporation, New York, N. Y. Abrasive tool. 2,079,995; May 11.
Hoe, R., & Co., Inc. (See Fuller, Fred. J., assignor.)
Hoffmann, Karl. (See Miescher, K., and Hoffmann.)
Holaday, Horace A., Highland Park, and E. D. Perry, New Brunswick, assignors to E. R. Squibb & Sons, New York, N. Y. Preparation of the thyroid gland. 2,080,132; May 11.
Holan, James H., Jr., Lakewood, Ohio. Apparatus for welding. 2,079,857; May 11.
Hollis, Howard W., Quincy, Mass., assignor to Submarine Signal Company, Boston, Mass. Depth measurement. 2,079,612; May 11.
Hollman, Peter I. (See McIlvaine, J. H., and Hollman.)
Hollman, Peter I., assignor to McIlvaine Burner Corporation, Chicago, Ill. Control valve for oil burners. 2,080,272; May 11.
Holloway, Walter. (See Urquhart, Adam, assignor.)
Holm, Ludwig. (See Dobler, E., and Holm.)
Holm, Waldemar, Furstenwalde-on-the-Spree, Germany, assignor to Julius Pintsch, Aktiengeselschaft, Berlin, Germany. Reversing mechanism for dry gas meters. 2,080,044; May 11.
Holmboe, Harold, Chicago, Ill. Spray nozzle. 2,080,206; May 11.
Holmes, Bradford B., New York, N. Y. Electric timing system. 2,080,273; May 11.
Holt, Harold S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydroxycycloalkylammonium salts. 2,079,613. May 11.
Holt, Maynard F., Rye, and S. N. Lipowski, New York, N. Y., said Lipowski assignor to said Holt. Coating machine. 2,079,614; May 11.
Holt, Maynard F., Rye, and S. N. Lipowski, New York, N. Y., said Lipowski assignor to said Holt. Golf ball recoating. 2,079,615; May 11.
Holtzclaw, John B., Roselle, and C. Winning, Elizabeth, N. J., assignors to Standard Oil Development Company. Soluble oil. 2,079,803; May 11.
Hoof, Addison C., Hinsdale, Ill. Brake construction. 2,080,314; May 11.
Hookless Fastener Company. (See Sundback, Gideon, assignor.)
Hoornstra, Salomon, Brussels, Belgium. Seal for string, ribbon, or the like. 2,079,938; May 11.
Hopkins, Horace H., Springfield, H. L. Plummer, Philadelphia, and L. F. Stone, Rutledge, Pa., assignors to E. I. du Pont de Nemours & Co., Wilmington, Del. Resinous coating compositions. 2,079,616; May 11.
Hoppe, Franz E. O., Rorschacherberg, Switzerland. Lathe. 2,080,207; May 11.
Hornsby, Grover J., Denver, Colo. Method of and apparatus for protecting water channels. 2,080,045; May 11.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Fuel feeding system for motor vehicles. 2,079,858; May 11.
Hosier, John M., Matamoras, Pa., assignor of one-half to H. M. Young, Wilkes-Barre, Pa. Grass trimmer. 2,080,315; May 11.
Houde Engineering Corporation. (See Peo, Ralph F., assignor.)
Houdry Process Corporation. (See Prickett, T. B., and Lassiat, assignors.)
House, John W., Cameron, Tex. Level gauging device. 2,079,908; May 11.
Honsaweller, William A., Albany, N. Y. Bathtub. 2,079,739; May 11.
Howard, Guy C., and L. T. Sandborn, Wausau, Wis., assignors to Masonite Corporation, Laurel, Miss. Molded products and making same. 2,080,077; May 11.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Automobile heater. 2,079,859; May 11.
Huenger, Clifton A., assignor to W. E. Schrage, Whiting, Ind. Camera. 2,080,274; May 11.

Hughey, Carter J., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Film splicing apparatus. 2,080,046; May 11.

Humason, Granville A., Houston, Tex. Hydraulic well pump. 2,079,996; May 11.

Hunter, David E., and R. G. Bourdon, assignors to The Shaw-Walker Company, Muskegon, Mich. Fastening device for folders. 2,079,740; May 11.

Hutter, William H., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Sound reproducing apparatus. 2,080,275; May 11.

Hydraulic Brake Company. (See Bowen, Myron W., assignor.)

Hydraulic Press Corporation, The. (See Ernst, Walter, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Beck, Adolf, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Reichert, Hans, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Stöcklin, P., and Konrad, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See van Taack-Trakranen, F., and Wietzel, assignors.)

Ilford Limited. (See Kendall, John D., assignor.)

Ilich, Herbert H., New York, N. Y. Foot massaging or exercising device. 2,080,208; May 11.

Imperial Chemical Industries Limited. (See Barsby, C. R., and Streight, assignors.)

Imperial Chemical Industries Limited. (See Drummond, A. A., and Morgan, assignors.)

Imperial Chemical Industries Limited. (See Morgan, H. H., and Drummond, assignors.)

Imperial Chemical Industries Limited. (See Taylor, J., and Young, assignors.)

Indian Refining Company. (See Duffy, Herbert L., assignor.)

Inga Internationale Nahrungs und Genussmittel-Aktiengesellschaft. (See Jezler, Hubert, assignor.)

Ingersoll-Rand Company. (See Trumpler, William E., assignor.)

Innes, George, Davenport, assignor to Innes Manufacturing Company, Bettendorf, Iowa. Method and apparatus for baling. 2,080,316; May 11.

Innes Manufacturing Company. (See Innes, George, assignor.)

Insley Manufacturing Corporation. (See Rasmussen, Alvin C., assignor.)

Iowa State College Alumni Association, Incorporated. (See Collins, Edgar V., assignor.)

Ish-Shalom, Samu-El, and O. I. Bloom, New York, N. Y. Type or matrix cabinet. 2,079,968; May 11.

Jackson, Corwill, Ludington, Mich. Vibrating motor. 2,079,909; May 11.

Jackson, Patrick T., Cambridge, assignor to American Reenforced Paper Company, Attleboro, Mass. Making box corner stay strips. 2,080,000; May 11.

Jacobson, Eugene, San Francisco, Calif. Self-fluxing solder and process and apparatus for producing same. 2,079,710; May 11.

Jaeckel, Henry, North Attleboro, Mass. Jewel setting. 2,080,317; May 11.

Janda, Josef N., assignor of one-half to M. M. Dvorak, Wilber, Nebr. Calf weaner. 2,079,741; May 11.

Jenett, Henry, Demarest, N. J., assignor to Celanese Corporation of America. Embossing. 2,080,276; May 11.

Jenkins, Walter T., assignor to Rock Hill Printing & Finishing Company, Rock Hill, S. C. Textile printing machine. 2,080,133; May 11.

Jensen, Walter E., assignor, by mesne assignments, to F. J. Kress Box Company, Pittsburgh, Pa. Adjustable cell-case or partition machine. 2,080,357; May 11.

Jessop, George A., and T. Norbom, assignors to S. Morgan Smith Company, York, Pa. Hydraulic machine. 2,079,766; May 11.

Jezler, Hubert, Zurich, assignor to the firm Inga Internationale Nahrungs-und Genussmittel-Aktiengesellschaft, Schaffhouse, Switzerland. Device for dispensing pasty or liquid substances. 2,080,134; May 11.

Jezler, Hubert, Zurich, assignor to the firm Inga Internationale Nahrungs-und Genussmittel-Aktiengesellschaft, Shaffhouse, Switzerland. Device for dispensing pasty or liquid substances. 2,080,135; May 11.

Johns-Manville Corporation. (See MacIldowie, John C., assignor.)

Johns-Manville Corporation. (See Seigle, William R., assignor.)

Johnson, Emil L., and O. Lundsten, Attleboro, Mass. Jewelry hinge. 2,079,711; May 11.

Johnson, Fay G. (See Watson, Charles B., assignor.)

Johnson, Frank W. (See Lubs, H. A., and Johnson.)

Johnson, Glen D., assignor to J. W. MacClatchie, doing business as MacClatchie Manufacturing Company, Compton, Calif. Supercharger. 2,080,079; May 11.

Johnson, Johan H., Salt Lake City, Utah. Combination rest bar and fracture stand. 2,079,617; May 11.

Johnson, John M., Kansas City, Mo. Telephonic alarm system. 2,080,136; May 11.

Johnson Service Company. (See Otto, Carl A., assignor.)

Jones, Don, assignor to Motor Wheel Corporation, Lansing, Mich. Draft regulator. 2,079,804; May 11.

Jones & Lamson Machine Company. (See Bysshe, E. T., and Finn, assignors.)

Joyce, Francis J., Keyport, N. J. Transmission. 2,079,691; May 11.

Judd, Edward K., Palisade, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Extracting molybdenum from wulfenite ore. 2,079,805; May 11.

Kade, Hermann, Berlin-Frohnau, Germany, assignor to E. May, London, England. Apparatus for delivering thin articles one by one. 2,080,277; May 11.

Kahlisch, Gustav. (See Reiners, W., and Kahlisch.)

Kahn, Bertrand B., Cincinnati, and C. J. Hake, assignors to The Estate Stove Company, Hamilton, Ohio. Stove. 2,079,618; May 11.

Kamrath, Herbert G., Flint, assignor to General Motors Corporation, Detroit, Mich. Oil filter. 2,079,910; May 11.

Kappeler, Markus, assignor to the firm of Chemical Works formerly Sandoz, Basel, Switzerland. Azo-dyestuff. 2,080,269; May 11.

Karron, David, Brooklyn, N. Y. Latch means for handbag frames. 2,079,806; May 11.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Pressure adjusting screw for wringers. 2,080,047; May 11.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,080,048; May 11.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,080,318; May 11.

Kauffmann, Hans O., Buffalo, N. Y., assignor to Buffalo Electro-Chemical Company, Inc. Carroting fur. 2,079,860; May 11.

Keefer, Clarence E., Baltimore, Md. Sedimentation apparatus. 2,080,137; May 11.

Kehl, Robert J., Bayside, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Fluid filter. 2,079,807; May 11.

Keiser, Bernhard. (See De Groote, M., and Keiser.)

Keith, John D., Gettysburg, Pa., assignor to Seco Manufacturing Company. Wigwag signal means. 2,079,861; May 11.

Keith, Percy C., Jr., Peapack, and H. O. Forrest, Teaneck, N. J., assignors to Standard Oil Company, Chicago, Ill. Lubricating oil refining. 2,079,911; May 11.

Kellogg, Edward W., Moorestown, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Projection lamp. 2,080,278; May 11.

Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Film feeding device. 2,080,279; May 11.

Kelsey-Hayes Wheel Company. (See Thomas, George J., assignor.)

Kenan, William R., Jr. (See Ward, Howard, assignor.)

Kendall, John D., assignor to Ilford Limited, Ilford, England. Production of dyes of the cyanine type. 2,080,049; May 11.

Kendall, John D., assignor to Ilford Limited, Ilford, England. Sensitization of photographic emulsions. 2,080,050; May 11.

Ken-Rad Tube & Lamp Corporation, The. (See Bain, G. W., and Brian, assignors.)

Kiesel, William F., Jr., Hollidaysburg, Pa. Center sill. 2,079,862; May 11.

Kingsbury, Edward J., Keene, N. H. Variable speed belt drive. 2,080,319; May 11.

Kinkead, Fullerton S. (See Fitch, K. E., and Kinkead.)

Kirsch Company. (See Grassby, George A., Jr., assignor.)

Kispert, Joseph J. (See Usher, H. C., and Kispert.)

Klages, G. W., & Son. (See Klages, Norman H., assignor.)

Klages, Norman H., Pittsburgh, Pa., assignor to G. W. Klages & Son. Edge-grinding machine. 2,080,280; May 11.

Klapmeyer, Mary C. (See May, Joe C., assignor.)

Kleist, Walter. (See Volkmann, W., and Kleist.)

Kliesrath, Victor W., South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill. Engine. 2,079,912; May 11.

Knapp, Clarence E., Boston, Mass. Shoemaking. 2,080,320; May 11.

Kniep, Karl H. (See Gordon W., Nauth, and Kniep.)

Knox, Samuel L. G., Englewood, N. J. Tube spinning head. 2,079,619; May 11.

Koch, Ernst A. J., London, England. Heating system. 2,079,808; May 11.

Koch, Winfield R., Delaware Township, Camden County, N. J., assignor to Radio Corporation of America. Communication system. 2,080,281; May 11.

Kochendoerfer, Gerd. (See Kunz, M. A., Koeberle, and Kochendoerfer.)

Kocher, Harry F., Detroit, Mich. Attaching means for tags. 2,079,742; May 11.

Koeberle, Karl. (See Kunz, M. A., Koeberle, and Kochendoerfer.)

Koefoed, Louis, East Rockaway, N. Y. Disappearing bed. 2,079,939; May 11.

Konik, Edward S. (See Cushman, E. S., and Konik.)

Konrad, Erich. (See Stöcklin, P., and Konrad.)

Koon, Andrew G., Redlands, Calif. Combined pliers and screw driver. 2,079,863; May 11.

Koonce, Wilbur E. (See Mason, W. H., Boehm, and Koonce.)

Krebs, Ernest T., San Francisco, Calif. Aging wine. 2,080,138; May 11.

Kress, F. J., Box Company. (See Jensen, Walter E., assignor.)

Kressel, Konrad, Dusseldorf, assignor, by mesne assignments, to Mont Blanc-Simplo, G. m. b. H., Hamburg, Germany. Tip for propelling pencils. 2,080,372; May 11.

Krieger, Joseph, Chicago, Ill. Mixing valve. 2,079,743; May 11.

Krog, Ernest, et al. (See Stewart, Louis S.)

Krog, Olive, et al. (See Stewart, Louis S.)

Kucher, Andrew A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,080,358; May 11.

Kuhle, Wilhelm E., D. Prinz, and F. Herriger, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. h., Berlin, Germany. Electron discharge tube. 2,079,809; May 11.

Kunkel, Bernhard F., Chicago, Ill., assignor to Safety Engineering Systems, Inc. Alarm system. 2,080,321; May 11.

Kuno, Shichigoro, Ogden, Utah. Combined hand iron and work moistener. 2,080,175; May 11.

Kunz, Max A., Mannheim, Germany, K. Koeberle, and G. Kochendoerfer, Ludwigshafen-on-Rhine, Germany, assignors to General Aniline Works Inc., New York, N. Y. Pyridino acylamino anthraquinones. 2,079,940; May 11.

Kunze, Willy, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass. Direction finding. 2,079,620; May 11.

Labarre, Gustave J., Paincourtville, La. Core catcher retainer and seat for a core barrel. 2,079,941; May 11.

La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Treating soles. 2,079,712; May 11.

Laclede Steel Company. (See Friberg, Bengt F., assignor.)

Laib, Joseph L., Albany, N. Y. Apron. 2,080,176; May 11.

Land, Edwin H., Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J. Device for use in alluminating systems employing polarized light. 2,079,621; May 11.

Landucci, Alfred D. G., Paris, France, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Manufacture of articles from plastic materials. 2,080,051; May 11.

Lang, Franz, Munich, Germany, assignor to Lanova Aktiengesellschaft, Vaduz, Liechtenstein. Air chamber Diesel engine. 2,080,139; May 11.

Lange Friedrich, executor. (See Uhlig, Paul R.)

Langkau, Helmut E. J., Aachen, assignor of one-half to G. Ullrich, Magdeburg, Germany. Direct-current generator. 2,080,388; May 11.

Lanova Aktiengesellschaft. (See Lang, Franz, assignor.)

Lansing, Charles B., Gates Mills, Ohio. Stone quarrying machine. 2,079,864; May 11.

Lapointe, Francis J., Ann Arbor, Mich. Broach shank connecter. 2,079,692; May 11.

La Rose, Eugene E., Youngstown, N. Y. Universal joint. 2,079,622; May 11.

Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Glider swing. 2,079,767; May 11.

Lassiat, Raymond C. (See Prickett, T. B., and Lassiat.)

Lausen, Christian A. (See Rasmusen, J. E., and Lausen.)

Lawrence, Frank H., and F. I. Valentine, San Bruno, Calif. Package opener. 2,080,080; May 11.

Le Blond, R. K., Machine Tool Company, The. (See Pierle, Henry C., assignor.)

Ledig, Kurt K., assignor to American Platinum Works, Newark, N. J. Preparing pen points. 2,080,140; May 11.

Leeds and Northrup Company. (See Ross, R. W., Seberhagen, assignors.)

Leins, Oscar J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Igniter for gas burners. 2,080,141; May 11.

Leischner, Georg. (See Dällenbach, W., and Leischner.)

Lemaster, Hager, Bloomingdale, Ill. Adhesive tape box. 2,080,052; May 11.

Lepsoe, Robert, Trail, British Columbia, assignor to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Production of sulphur from sulphur dioxide. 2,080,360; May 11.

Lepsoe, Robert, and J. R. Mills, Trail, British Columbia, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Production of a catalyst for the reduction of sulphur dioxide. 2,080,359; May 11.

Le Velle, Clarence W., Wichita, Kans. Folding electric fan. 2,079,942; May 11.

LeVesconte, Harold J., Western Springs, assignor to Union Special Machine Company, Chicago, Ill. Needle cooling device for sewing machines. 2,080,322; May 11.

Levington, Emanuel, New York, N. Y. Eyeglass frame. 2,080,282; May 11.

Levow, David, New York, N. Y. Snow guard. 2,079,768; May 11.

Lily, William, Hollis, assignor of one-fourth to W. J. Reilly, Bellaire, N. Y. Propeller. 2,080,224; May 11.

Linoni, Guido, Santa Rosa, Calif. Fireplace heater. 2,080,323; May 11.

Lindstrom, George D., assignor to National Lock Co., Rockford, Ill. Radio knob. 2,080,361; May 11.

Link-Belt Company. (See Maurer, Albrecht, assignor.)

Linotype and Machinery Limited. (See Rowlands, T., and Shuttleworth, assignors.)

Linsley, Douglas F., Old Greenwich, Conn., assginor to Vaco Products, Inc. Fluid pressure operated gear shifting device. 2,079,654; May 11.

Lipowski, Sigmund N. (See Holt, M. F., and Lipowski.)

Little, Arthur D., Incorporated. (See Avery, Julian M., assignor.)

Livingston, John W., Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Car retarder control apparatus and testing means therefor. 2,080,053; May 11.

Lobdell, George S., Rome, N. Y., assignor to General Cable Corporation, New York, N. Y. Insulated electrical conductor. 2,079,943; May 11.

Lobdell, George S., Rome, N. Y., assignor to General Cable Corporation, New York, N. Y. Plastic and method of curing. 2,079,944; May 11.

Logan, Elizabeth A., Princeton, Ky. Hosiery drying and stretching device. 2,080,324; May 11.

Long, Herbert J., assignor to United American Bosch Corporation, Springfield, Mass. Water heater. 2,080,007; May 11.

Long, Herbert J., assignor to United American Bosch Corporation, Springfield, Mass. Water heater. 2,080,008; May 11.

Loth, William A., and A. J. Givelet, Paris, France. Multiplex radio communication. 2,080,081; May 11.

Loth, William A., and J. A. Givelet, Paris, France, Commutating balanced multiple-x telephony. 2,080,082; May 11.

Lovell, Clarence A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound reproducer. 2,079,693; May 11.

Lovell, Clarence A., and R. L. Wegel, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic amplifier. 2,079,694; May 11.

Lovell Manufacturing Company. (See Kauffman, Walter L., II, assignor.)

Lowenfels, Albert, White Plains, N. Y. Butter dish. 2,080,283; May 11.

Lowmaster, Frank L., Detroit, Mich. Display means. 2,080,325; May 11.

Lowry, Charles D., Jr., and C. G. Dryer, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of organic compounds. 2,080,142; May 11.

Lowry, Erwin F., Forest Hills, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermionic rectifier. 2,080,284; May 11.

Lubs, Herbert A., Wilmington, Del., and F. W. Johnson, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyclohexylamine derivatives. 2,080,143; May 11.

Lucas, Samuel M., Pittsburgh, and C. H. Zierdt, Rosedale, assignors to The Union Switch & Signal Company, Swissvale, Pa. Transformer. 2,080,177; May 11.

Lufkin, Garland, Newark, Ohio, assignor to Owens-Illinois Glass Company. Bottle. 2,080,144; May 11.

Lundsten, Olof. (See Johnson, E. L., and Lundsten.)

Lyford, Emerson F., Newtonville, Mass., assignor to Chemical Extraction Corporation, Elkton, Ky. Treating tobacco. 2,079,997; May 11.

MacClatchie, J. Warren. (See Johnson, Glenn D., assignor.)

MacClatchie Manufacturing Co. (See Johnson, Glenn D.)

MacIldowie, John C., Nashua, N. H., assignor to Johns-Manville Corporation, New York, N. Y. Flexible wallboard. 2,080,285; May 11.

Macwhyte Company. (See Naysmith, Archie M., assignor.)

Maddock, Robert H., assignor to The Midland Steel Products Company, Cleveland, Ohio. Insulated metal barrel. 2,080,326; May 11.

Madle, Frank, Berwyn, assignor to Cruver Manufacturing Company, Chicago, Ill. Loose leaf binder. 2,079,865; May 11.

Mafra, Agenor, Rio de Janeiro, Brazil. Dietetic meter for children. 2,080,210; May 11.

Magill, Paul La F., Ransomville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tobacco treatment. 2,079,623; May 11.

Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)

Magnien, Raymond, Paris, France, assignor to Société Assurex "Le Roi des Verres de Sécurité" Magnien, Monnier & Cie, and Léon Alfred Edourd Petit. Manufacture of hardened or tempered glass plates. 2,080,083; May 11.

Maguire, Garnet A., St. John, New Brunswick, Canada. Dispenser. 2,079,744; May 11.

Mahle, Hermann, Stuttgart, Germany, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 2,080,286; May 11.

Mahler, Robert, Vienna, Austria. Automatic feed water valve for boilers. 2,079,810; May 11.

Major, Ralph F., and J. E. Farner, Pittsburgh, Pa. Means to prevent fraudulent manipulation of sheets in loose leaf systems. 2,079,624; May 11.

Mallory, P. R., & Co. (See Booe, James M., assignor.)

Malm, Carl J., and H. S. Gardner, Jr., Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Preparation of organic acid esters of cellulose of lowered viscosity. 2,080,054; May 11.

Maney, Thomas, Louisville, Ky. Drawing railway spikes. 2,079,745; May 11.

Manning, William H., Pontiac, Mich. Lawn mower. 2,079,945; May 11.

Mantle, Joseph G. C., Leonia, N. J., assignor, by mesne assignments, to Bridgeport Thermostat Company, Inc., Bridgeport, Conn. Shaping metal. 2,080,211; May 11.

Manuel, Charles J. (See Pringle, W. A., and Mannel.)

Marion Steam Shovel Company, The. (See Busick, Adrien F., Jr., assignor.)

Markus, Nolke S., and M. J. O. Strutt, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Radio receiver. 2,079,655; May 11.

Martin, Lawrence R., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photometric apparatus. 2,080,055; May 11.

Marvin, John T., Fairview Village, assignor to The Patrol Valve Company, Cleveland, Ohio. Relief valve. 2,080,373; May 11.

Maseng, Olav, Evanston, Ill. Electrical circuit breaker. 2,080,178; May 11.

Mason, William H., R. M. Boehm, and W. E. Koonce, assignors to Masonite Corporation, Laurel, Miss. Molding composition and making same. 2,080,078; May 11.

Masonite Corporation. (See Howard, G. C., and Sandborn, assignors.)

Masonite Corporation. (See Mason, W. H., Boehm, and Koonce, assignors.)

Matha, Albert, Chicago, Ill. Bow for stringed instruments. 2,079,811; May 11.

Matthews, Albert, Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine. 2,080,084; May 11.

Maurer, Albrecht, Bad Homburg vor der Hohe, Germany, assignor to Link-Belt Company, Chicago, Ill. Variable speed drive. 2,080,145; May 11.

May, Edward. (See Kade, Hermann, assignor.)

May, Joe C., assignor to M. C. Klapmeyer, Kansas City, Mo. Hair waving pad. 2,080,085; May 11.

Mayer, Edmund, Ulm A. D., Germany. Treating mash. 2,080,287; May 11.

Mayer, Hans. (See Straub, F., and Mayer.)

Mayer, Walter S., Philadelphia, Pa. Automatic interchangeable circuit interrupter or circuit breaker. 2,079,866; May 11.

McAbee, Paul C., New York, N. Y. Dry ice converter. 2,079,769; May 11.

McAllister, Alexander R., Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Making pressure vessels. 2,080,374; May 11.

McCaleb, Albert G. (See Allen, Hugh E., assignor.)

McCormack, Alex A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,080,288; May 11.

McCoy, Verl E., assignor to Wilson Engineering Corporation, Chicago, Ill. Sludge removal apparatus. 2,080,146; May 11.

McCoy, Verl E., Chicago, Ill., and R. W. Anderson, Wauwatosa, Wis., assignors to Wilson Engineering Corporation, Chicago, Ill. Sludge removal apparatus. 2,080,147; May 11.

McIlvaine Burner Corporation. (See Hollman, Peter I., assignor.)

McIlvaine Burner Corporation. (See McIlvaine, J. H., and Hollman, assignors.)

McIlvaine, John H., and P. I. Hollman, assignors to McIlvaine Burner Corporation, Chicago, Ill. Oil burner. 2,080,289; May 11.

McKinley, Charles W., E. F. Bacon, and R. F. Chason, Flint, assignors to General Motors Corporation, Detroit, Mich. Pressure gauge. 2,079,913; May 11.

McKinley, Charles W., Flint, assignor to General Motors Corporation, Detroit, Mich. Bourdon tube gauge. 2,079,914; May 11.

McKinnis, Ronald B., Pittsburgh, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Machine for tempering or moistening products. 2,080,327; May 11.

McWeeny, John L., Chicago, Ill. Apparatus for projecting tuning indicia. 2,080,290; May 11.

Mechanical Handling Systems, Inc. (See Francis, Lynn M., assignor.)

Merriam, Charles J., Winnetka, and R. Wiles, Chicago, Ill., assignors to Gnardite Corporation. Treatment of organic products. 2,080,179; May 11.

Merrill, James A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Fibrous compound of thermoplastic rubber derivatives. 2,080,375; May 11.

Mertes, Robert G., Catonsville, Md., assignor to Pittsburgh Plate Glass Company. Rotary brush. 2,079,713; May 11.

Messier, George L. R. J., deceased, by Y. L. Messier (born Bonnamy), administratrix, Paris, France. Device ensuring rational suspension of railroad vehicles. 2,080,180; May 11.

Messier, Yvonne L., (born Bonnamy), administratrix. (See Messier, George L. R. J.)

Metal Hose & Tubing Co. Inc. (See Berkowitz, Robert, assignor.)

Meyer, Henry A., assignor to The Wolf Machine Company, Cincinnati, Ohio. Cloth cutting machine. 2,080,328; May 11.

Meyers, Charles W., Shaker Heights, Cleveland, Ohio. Wire or strip tinning machine. 2,079,867; May 11.

Michler, John F., assignor to Chipman Knitting Mills, Easton, Pa. Fabric guiding and uncurling device. 2,080,376; May 11.

Midland Steel Products Company, The. (See Maddock, Robert H., assignor.)

Midyette, John T., Jr., Scarsdale, N. Y. Steam heating control apparatus. 2,079,915; May 11.

Miescher, Karl, Riehen, near Basel, and K. Hoffman, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Basic esters of polyarylacetic acids and making the same. 2,079,962; May 11.

Mihalyi, Joseph, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Footage indicator for film magazines. 2,080,086; May 11.

Miles, George W. (See Dreyfus, C., Miles, and Platt.)

Miller, Charles F., assignor to The National Marking Machine Company, Cincinnati, Ohio. Tape printing attachment for laundry marking machines. 2,080,056; May 11.

Miller, Gideon D., Springs, Pa. Coal undercutting machine. 2,080,181; May 11.

Miller, H. A., Engineering Corporation. (See Miller, Harry A., assignor.)

Miller, Harry A., assignor to H. A. Miller Engineering Corporation, New York, N. Y. Clutch. 2,080,291; May 11.

Millmine, Herbert W., Houston, Tex. Pump piston. 2,079,998; May 11.

Mills, James R. (See Lepsoe, R., and Mills.)

Milwaukee Gas Specialty Company. (See Leins, Oscar J., assignor.)

Mirfield, George E., Youngstown, Ohio, assignor, by mesne assignments, to Direct Current Welding Company. Welding apparatus. 2,079,916; May 11.

Miraky, Florence M., New York, N. Y. Lady's garment. 2,079,656; May 11.

Mitchel, Edward W., Detroit, Mich. Nut securing device. 2,079,917; May 11.

Mitchel, Edward W., Detroit, Mich. Nut securing device. 2,079,918; May 11.

Mizuta, Masakichi, Marunouchi, Kojimachi-ku, Tokyo, and T. Yoshimura, Okubo, Kashiwazaki-machi, Karihagun, Niigata-ken, assignors to Nippon Sekiyu Kabushiki Kaisha, Marunouchi, Kojimachi-ku, Tokyo, Japan. Refining cracked oils. 2,080,087; May 11.

Modern Equipment Company. (See Goldberg, Max W., assignor.)

Monsanto Chemical Company. (See Bump, Albert H., assignor.)

Mont Blanc-Simplo, G. m. b. H. (See Kressel, Konrad, assignor.)

Moore, Harry G., Los Angeles, Calif. Bottle corking machine. 2,080,393; May 11.

Morgan, Clyde H., Lakewood, Ohio. Apparatus for fire control. 2,079,625; May 11.

Morgan, Howard H. (See Drummond, A. A., and Morgan.)

Morgan, Howard H., Slough, and A. A. Drummond, Iver, assignors to Imperial Chemical Industries Limited, London, England. Synthetic resin varnishes and synthetic resins. 2,079,626; May 11.

Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Self-locking nut and making same. 2,079,746; May 11.

Morgan, S., Smith Company. (See Jessop, G. A., and Norbom, assignors.)

Mortimer, George, Westcliff-on-Sea, England. Band strapping machine. 2,080,329; May 11.

Moser, Franz R., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Lowering pour points of mineral oils. 2,080,088; May 11.

Moskal, Sam, Ambridge, Pa. Electric switch clock combination. 2,079,963; May 11.

Motor Wheel Corporation. (See Jones, Don, assignor.)

Motor Wheel Corporation. (See Tower, Elmer V. J., assignor.)

Mountjoy, Garrard, and S. W. Seeley, Jackson, Mich., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Automatic volume control. 2,079,657; May 11.

Mowers, Osmyn, and P. F. Piepenbrook, Dallas, Tex. Automatically operating garage doors and the like. 2,079,919; May 11.

Mühlbacher, Engelbert, Los Angeles, Calif. Grinding apparatus. 2,080,089; May 11.

Mumaugh, Clarence L., Lima, Ohio. Can opener. 2,080,090; May 11.

Murphree, Eger V. (See Sweeney, W. J., Richardson, and Murphree.)

Murphy, Demery A., Torrance, Calif., assignor, by mesne assignments, to The National Supply Company of Delaware, Toledo, Ohio. Swivel. 2,080,225; May 11.

Mussey, William H., and M. P. Blomberg, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Articulated car. 2,079,747; May 11.

Muzak Corporation of Ohio. (See Domizi, Dante, assignor.)

Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Floor scrubbing, brushing, and polishing machine. 2,079,946; May 11.

N. V. Philips' Gloeilampenfabrieken. (See Markus, N. S., and Strutt, assignors.)

N. V. Machinerieen-en Apparaten Fabrieken "Meaf". (See Düllenbach, W., and Leischner, assignors.)

Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. (See Rainbow, Henry, assignor.)

Naamlooze Vennootschap tot voortzetting der zaken van Pieter Schoen & Zoon. (See Rinse, Jacobus, assignor.)

Nampa, Sulo M., Detroit, Mich., assignor, by mesne assignments, to The Worth Company. Car loading mechanism. 2,079,947; May 11.

National Acme Company. (See Simpson, Charlie W., assignor.)

National Blank Book Company. (See Schade, John and F. S., assignors.)

National Lock Co. (See Lindstrom, George D., assignor.)

National Marking Machine Company, The. (See Miller, Charles F., assignor.)

National Postal Meter Company. (See Finfrock, John Q., assignor.)

National-Standard Company. (See Shook, Florain J., assignor.)

National Supply Company of Delaware, The. (See Murphy, Demery A., assignor.)

National Tube Company. (See Greenwood, G. C., and Scholz, assignors.)

National Tube Company. (See Sneddon, John, assignor.)

Nauth, Raymond. (See Gordon, W., Nauth, and Kniep.)

Nauth, Raymond, assignor, by mesne assignments, to Flexlume Corporation, Buffalo, N. Y. Illuminated sign. 2,079,714; May 11.

Naysmith, Archie M., assignor to MacWhyte Company, Kenosha, Wis. Choker hook. 2,080,148; May 11.

Neale, Alvin R., Des Moines, Iowa. Hat hanger. 2,079,948; May 11.

Nebel, Max, Chemnitz, Germany. Circular knitting machine. 2,080,377; May 11.

Negus, Frank G., Halifax, Nova Scotia, assignor of one-half to H. B. Clarke, Montreal, Canada. Electrical water purifier. 2,079,950; May 11.

Nejedly, Peter M. (See Gwinn, G. W., Arelt, and Nejedly.)

Neresheimer, Heinrich, and W. Ruppel, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Aromatic condensation products. 2,080,057; May 11.

Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,079,964; May 11.

Newman, I., & Sons, Inc. (See Usher, H. C., and Kispert, assignors.)

New York Association for the Blind. (See Cushman, E. S., and Konik, assignors.)

Nightingale Printing Presses, Inc. (See Nightingale, William J., assignor.)

Nightingale, William J., assignor to Nightingale Printing Presses, Inc., Flint, Mich. Printing press. 2,079,627; May 11.

Niles-Bement-Pond Company. (See Shaw, Robert D., assignor.)

Nippon Sekiyu Kabushiki Kaisha, Marunouchi, Kojimachi-ku. (See Mizuta, M., and Yoshimura, assignors.)

Norbom, Torleif. (See Jessop, G. A., and Norbom.)

North American Rayon Corporation. (See Bitter, John L., assignor.)

Norton Company. (See Beth, Hugo W. H., assignor.)

Novati, Mario, Milan, Italy. Coupling for pipes and the like. 2,079,949; May 11.

Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,079,658; May 11.

Olds, Ambrose D., Wichita, Kans. Circuit breaker. 2,079,812; May 11.

Olin, Robert E., assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel injection pump. 2,079,659; May 11.

Olin, Robert E., assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel injection pump. 2,079,660; May 11.

Olivotti, Antonio and E., Venezia, Italy. Charge forming apparatus. 2,080,182; May 11.

Olivotti, Elia. (See Olivotti, Antonio and E.)

Olson, Phillip W., assignor to The Automatic Musical Instrument Company, Grand Rapids, Mich. Lock plug construction. 2,079,628; May 11.

O'Neill, Frances. (See Robertson, George L., assignor.)

Orzada, Thomas J., Chicago, Ill. Music signature chart. 2,079,920; May 11.

Osborne, Wiley W. (See Parry, Robert D., assignor.)

Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Variable condenser. 2,079,921; May 11.

Ottaway, Robert, Milwaukee, Wis. Electric program clock. 2,080,330; May 11.

Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Control mechanism for dampers and the like. 2,080,212; May 11.

Owen, Frank M., assignor of one-half to American Iron and Machine Works Company, Oklahoma City, Okla. Device for capping pump tubing. 2,079,922; May 11.

Owens-Illinois Glass Company. (See Lufkin, Garland, assignor.)

Packard Motor Car Company. (See Christman, John M., assignor.)

Packard Motor Car Company. (See Van Ranst, Cornelius W., assignor.)

Paddock, John C., Spartanburg, S. C. Loom quill can. 2,080,331; May 11.

Palthe, A. Van Wulfften, Uccle, Belgium. Wheelbarrow. 2,080,332; May 11.

Papec Machine Company. (See Bullock, Fred J.)

Pardue, Elbert L. (See Taylor, E. H., Pardue, Dunlap, and Edmunds.)

Parker, Frank L., Snoqualmie, Wash. Automatic knot tying machine for rigid bundles. 2,080,149; May 11.

Parker, Jacob B. (See Brown, Robert E., assignor.)

Parodi-Delfino, Paolo, Rome, Italy. Explosive mixture containing tetraacetate of pentaerythrite. 2,079,792; May 11.

Parry, Robert D., assignor of one-third to W. W. Osborne, Cincinnati, Ohio. Hose supporting accessory. 2,080,058; May 11.

Patch, Allen J., Ripon, Wis. Boat and method of manufacture. 2,079,868; May 11.

Paterson, John C. (See Tunley, A. A., and Paterson.)

Patrol Valve Company, The. (See Marvin, John T., assignor.)

Patterson, David E., Philadelphia, Pa. Fiber separating machine. 2,079,661; May 11.

Patterson, Joseph A., Waynesburg, Pa. Nonrefillable bottle. 2,080,213; May 11.

Patterson, Joseph A., Waynesburg, Pa. Nonrefillable bottle. 2,080,214; May 11.

Patterson, Joseph A., Brave, Pa. Nonrefillable bottle. 2,080,215; May 11.

Patterson, Julius W., Omaha, Nebr. Vehicular scoop. 2,079,695; May 11.

Pavlecka, John, Detroit, Mich. Thermal power plant. 2,079,923; May 11.

Paxton, Robert, Drexel Hill, Pa., assignor to General Electric Company. Electric switchgear. 2,080,226; May 11.

Peberdy, Charles, & Son. (See Smith, Charles W., assignor.)

Peebles, David D., Eureka, Calif. Drying system and method. 2,080,059; May 11.

Pendergast, Overton W., Terre Haute, Ind. Font of type. 2,080,333; May 11.

Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Thermostatic valve assembly. 2,079,869; May 11.

Perint, Marcel, San Mateo, and R. E. Burke, San Jose, Calif. Wheel balancer. 2,080,227; May 11.

Perry, Edward D. (See Holaday, H. A., and Perry.)

Pesci, Thomas, Raritan, N. J. Print block. 2,079,870; May 11.

Peterson, Carl D., Toledo, Ohio. Helical sliding gear transmission. 2,080,091; May 11.

Peterson, Hans J., Hattiesburg, Miss., and J. C. Peterson and H. H. Higginbottom, Manhattan, Kans. Testing and scoring device. 2,080,150; May 11.

Peterson, John C. (See Peterson, Hans J. and J. C., and Higginbottom.)

Petit, Léon A. E., et al. (See Magnien, R., and Petit.)

Petroleum Iron Works Company of Ohio, The. (See Smith, Burd R., assignor.)

Petrovsky, Frank F., Binghamton, N. Y. Cleaning tool. 2,080,334; May 11.

Philadelphia Drying Machinery Company, The. (See Allsop, T., and Sibson, assignors.)

Philippi, Edward H., Evanston, Ill. Dispensable device. 2,080,092; May 11.

Phillips Petroleum Company. (See Fitch, L. H., Jr., and Frey, assignors.)

Phillips Petroleum Company. (See Frey, Frederick E., assignor.)

Phister, Albert B., Fort Thomas, Ky., assignor to The Phister Mfg. Co., Cincinnati, Ohio. Fire extinguisher apparatus. 2,079,924; May 11.

Phister Mfg. Co., The. (See Phister, Albert B., assignor.)

Piepenbrook, Paul F. (See Mowers, O., and Piepenbrook.)

Pierle, Henry C., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Work rotating structure for machine tools. 2,080,228; May 11.

Pigott, Reginald J. S., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Volumetric meter. 2,080,183; May 11.

Pilot Radio Corporation. (See Toth, E., and Cooper, assignors.)

Pinney, Harry H. (See Hawley, Charles G., assignor.)

Pintsch, Julius Aktiengesellschaft. (See Holm, Waldemar, assignor.)

Pirwitz, Gustav F. (See Wollensak, A., and Pirwitz.)

Pittman, Walter F. (See Ford, G. F., and Pittman.)

Pittsburgh Plate Glass Company. (See Dennison, Brook J., assignor.)

Pittsburgh Plate Glass Company. (See Mertes, Robert G., assignor.)

Pittsburgh Plate Glass Company. (See Pole, Gordon R., assignor.)

Placco, Oscar F., Cranston, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Interlock jewelry. 2,080,060; May 11.

Platt, Herbert. (See Dreyfus, C., Miles, and Platt.)

Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America. Preparing textile prints. 2,079,629; May 11.

Plummer, Henry L. (See Hopkins, H. H., Plummer, and Stone.)

Podel, Abraham, Bronx, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Sealed package and sealing. 2,079,813; May 11.

Polcha, Jacob V., Scranton, Pa. Thread cleaner. 2,080,335; May 11.

Pole, Gordon R., Creighton, Pa., assignor to Pittsburgh Plate Glass Company. Process and batch for making ceramic bodies. 2,079,715; May 11.

Pollak-Rudin, Adolf. (See Stark, Louis, assignor.)

Pooley, Frederick W., Brooklyn, N. Y. Brake control mechanism. 2,079,662; May 11.

Powell, Cornell S., Savannah, Ga. Peanut harvester and cultivator. 2,080,336; May 11.

Powell, Jack M., Cincinnati, Ohio. Decorated glass, mirror, and the like. 2,080,337; May 11.

Powell, James A. (See Powell, Sheppard T. and J. A.)

Powell, Sheppard T., Baltimore, Md., and J. A. Powell, Reading, Pa. Apparatus for degasifying liquids. 2,080,151; May 11.

Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Stoker furnace. 2,079,696; May 11.

Price, Harold W., South Bend, Ind. Outboard motor. 2,079,871; May 11.

Prickett, Thomas B., and R. C. Lassiat, Woodbury, N. J., assignors to Houdry Process Corporation, Dover, Del. Charging of cases with contact material. 2,079,630; May 11.

Pringle, William A., Niagara Falls, N. Y., and C. J. Manuel, Dover, N. H., assignors to American Sales Book Company, Inc., Niagara Falls, N. Y. Strip tensioning and threading device for writing machines. 2,080,061; May 11.

Prinz, Dietrich. (See Kuhle, W. E., Prinz, and Herriger.)

Prosper, Joseph, South Norwalk, Conn., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 2,079,716; May 11.

Protona, A. G. (See Hochstadter, M., and Vogel, assignors.)

Public, Dedicated to the free use of the. (See Dearborn, Frederick E.)

Pullman-Standard Car Manufacturing Company. (See Blomberg, Martin P., assignor.)

Pullman-Standard Car Manufacturing Company. (See Mussey, W. H., and Blomberg, assignors.)

Quaglia, Giovanni, Genoa, Italy. Apparatus for the recovery of objects. 2,080,184; May 11.

Quinn, Robert S., Steubenville, Ohio. Apparatus for the conversion of metal. 2,079,872; May 11.

Quinn, William, Ottawa, Ill. Combined weed killer and fertilizer. 2,080,378; May 11.

Radio Corporation of America. (See Grundmann, Gustave L., assignor.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Kellogg, Edward W., assignor.)

Radio Corporation of America. (See Koch, Winfield R., assignor.)

Radio Corporation of America. (See Mountjoy, G., and Seeley, assignors.)

Rainbow, Henry, assignor to Naamlooze Vennootschapij De Bataafsche Petroleum Maatschappij, The, Hague, Netherlands. Torsion balance. 2,080,062; May 11.

Ranges, John E., East Rutherford, N. J., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Loading coil case. 2,079,697; May 11.

Rasmusen, Jesse E., and C. A. Lausen, Fort Worth, Tex.; said Lausen assignor to said Rasmusen. Coin sorting machine. 2,080,389; May 11.

Rasmussen, Alvin C., Indianapolis, Ind., assignor, by mesne assignments, to Insley Manufacturing Corporation. Ball bearing turntable. 2,079,663; May 11.

Rathbone, John A., Pinckney, Mich. Molding machine. 2,079,631; May 11.

Rathgeber, Ferdinand, Ede, Netherlands, assignor to American Enka Corporation, Enka, N. C. Apparatus for packaging artificial silk. 2,080,185; May 11.

Ray, Alvenza C., Newfield, N. J. Fuel economizer. 2,080,229; May 11.

Ray, Loyd W., assignor to The White Castle System of Eating Houses Corporation, Wichita, Kans. Building structure. 2,080,230; May 11.

Rea, Harry R., Foxboro, Mass., assignor to Charles H. B. Stacy, York, Maine. Float conveyer. 2,080,216; May 11.

Reardon, Eugene J. (See Reed, M. W., and Reardon.)

Rector, Enoch, New York, N. Y. Gasifying liquid hydrocarbon fuels. 2,079,632; May 11.

Reed, Malcolm W., Cleveland, Ohio. Wire rope manufacture. 2,079,873; May 11.

Reed, Malcolm W., Shaker Heights, Ohio, and E. J. Reardon, Worcester, Mass. Rope structure. 2,079,874; May 11.

Reichert, Hans, Leverkusen-Wiesdorf, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Testing the tightness of protective coatings. 2,079,925; May 11.

Reilly, William J. (See Lily, William, assignor.)

Reimel, Samuel R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Belt. 2,079,965; May 11.

Reiners, Wilhelm, Gladbach-Rheydt, and G. Kahlisch, Rheydt, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany. Cop and tube therefor. 2,079,966; May 11.

Reinhold, Baldwin. (See Abegg, Walter A., assignor.)

Reiter, Daniel I., New York, N. Y. Socket. 2,080,379; May 11.

Reiter, Henry J., assignor to Brown & Bailey Company, Philadelphia, Pa. Paper container. 2,079,875; May 11.

Reiter, Henry J., assignor to Brown & Bailey, Philadelphia, Pa. Paper container. 2,079,876; May 11.

Renault, Jean C., assignor to Farmers Merchantile Company, Salinas, Calif. Vehicle. 2,079,814; May 11.

Republic Steel Corporation, The. (See Archer, Robert S., assignor.)

Reymond, Henry C., Paris, France. Latitude and longitude meter for ships. 2,080,186; May 11.

Riedel, J. D.,-E. de Haen A.-G. (See Boedecker, F., and Gruber, assignors.)

Rindt, Carl J., Chicago, Ill. Ventilating shutter. 2,079,967; May 11.

Rex Manufacturing Company. (See Erickson, Carl P., assignor.)

Richardson, Roger W. (See Sweeney, W. J., Richardson, and Murphree.)

Ring, Joseph J., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Roller gate construction. 2,080,063; May 11.

Ringler, William A., Wayne, assignor to Carton Container Company, Philadelphia, Pa. Duplex container. 2,079,815; May 11.

Rinse, Jacobus, Overveen, assignor to Naamlooze Vennootschap tot voortzetting der zaken van Pieter Schoen & Zoon, Zaandam, Netherlands. Binding agent for paints, lacquers, and varnishes. 2,079,951; May 11.

Riverbank Laboratories. (See Sabine, Paul E., assignor.)

Riviere, Albert S., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,080,338; May 11.

Roberts & Porter, Inc. (See Goedike, George G., assignor.)

Robertson, George L., assignor of one-half to F. O'Neill, Philadelphia, Pa. Safety razor blade sharpener. 2,080,339; May 11.

Robinson, James M., New York, N. Y. Combination bathtub and shower. 2,079,770; May 11.

Rock Hill Printing & Finishing Company. (See Jenkins, Walter T., assignor.)

Rockola, David C., assignor to Rock-Ola Manufacturing Company, Chicago, Ill. Tell-tale device. 2,080,231; May 11.

Rock-Ola Manufacturing Corporation. (See Hutter, William H., assignor.)

Rock-Ola Manufacturing Company. (See Rockola, David, C.)

Rockwell, Edward A., Chicago, Ill., assignor to General Motors Corporation, Detroit, Mich. Fuel pump. 2,080,391; May 11.

Rockwell, Edward A., Forest Hills, N. Y., assignor to General Motors Corporation, Detroit, Mich. Fuel pumping apparatus. 2,080,392; May 11.

Roehm, Erwin G., and W. D. Archea, Norwood, assignors to the Cincinnati Milling Machine Company, Cincinnati, Ohio. Machine for milling turbine blades. 2,079,717; May 11.

Roelfsema, Petrus, J., Martinez, assignor to Shell Development Company, San Francisco, Calif. Distillation process for the purification of alcohols. 2,080,064; May 11.

Roesinger, Herbert, Cleveland, Ohio. Container lid. 2,079,698; May 11.

Rogers, Luther B., Wilmington, Del., and William S. H. Hamilton, Larchmont, N. Y., assignors to General Electric Company. Compressor synchronizing system. 2,080,232; May 11.

Rogers, Luther B., Methuen, assignor to Champion-International Company, Lawrence, Mass. Manufacture of paper. 2,080,362; May 11.

Roos, Carlisle K., Fort Dodge, Iowa, assignor to United States Gypsum Company, Chicago, Ill. Plaster wallboard and making it. 2,080,009; May 11.

Rose, Homer C., Augusta, Wis. Lettering guide. 2,080,093; May 11.

Rose, Lawrence J., St. Louis, Mo. Adjustable curtain bracket. 2,079,816; May 11.

Rosenblum, Israel, Jackson Heights, N. Y. Artificial resin and producing same. 2,079,926; May 11.

Rosenwasser, Myer, Kansas City, Mo. Coat collar. 2,079,877; May 11.

Ross, Raymond W., Philadelphia, Pa., and S. H. Seberhagen, deceased, late of Philadelphia, Pa., by Sophie Seberhagen, executrix, assignor to Leeds and Northrup Company, Philadelphia, Pa. Universal recorder pen assembly. 2,080,065; May 11.

Rossberg, William N. (See Allingham, John, assignor.)

Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Valve for shock absorbers. 2,079,771; May 11.

Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resins. 2,079,633; May 11.

Rowlands, Tom, Timperley, and J. Shuttleworth, Sale, England, assignors to Linotype and Machinery Limited, London, England. Sheet feeding apparatus for printing machines. 2,080,010; May 11.

Rubini Cigar Company. (See Gessler, Samuel, assignor.)

Rudolf, Artur, Berlin, Germany, assignor to The Rulag Battery Company Limited, London, England. Electric battery. 2,080,340; May 11.

Rulag Battery Company Limited, The. (See Rudolf, Artur, assignor.)

Rumfield, James E., Henderson, Tex. Chemical fire extinguisher holder. 2,080,011; May 11.

Rumford Chemical Works. (See Fiske, Augustus H., assignor.)

Ruppel, Wilhelm. (See Neresheimer, H., and Ruppel.)

Rusch, Henri, St. Louis, Mo. Airship. 2,080,094; May 11.

S. O. S. Company, The. (See Brooks, George W., assignor.)

Sabine, Paul E., assignor of one-half to Riverbank Laboratories, Geneva, Ill. Sound insulating structure. 2,079,878; May 11.

Sachleben, Edward H., St. Louis, Mo. Tube shaping tool. 2,080,095; May 11.

Safety Engineering Systems, Inc. (See Kunkel, Bernhard F., assignor.)

Sager, Frank P. (See Finfrock, J. Q., and Sager.)

Sahlin, Bo C. H., Lund, Sweden. Apparatus for producing artificial respiration. 2,079,952; May 11.

St. Hilaire, Albert B., assignor to Societe des Vernis Pyrolac S. A. R. L., Creiteil, France. Apparatus for manufacturing phonographic disks. 2,079,972; May 11.

Sanda, Frank I., Steelton, Pa. Window fastener. 2,080,187; May 11.

Sandborn, Lloyd T. (See Howard, G. C., and Sandborn.)

Sargent & Greenleaf, Inc. (See Diesel, William F., assignor.)

Saylor-Beall Manufacturing Company. (See Fisher, Charles S., assignor.)

Schade, Frank S. (See Schade, John, and F. S.)

Schade, John, and F. S. Schade, assignors to National Blank Book Company, Holyoke, Mass. Loose leaf book. 2,079,817; May 11.

Scheidegger, Jakob, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Amino-arylsulphone-sulphonic acids and making same. 2,080,188; May 11.

Schenck, Carl, Eisengiesserei & Maschinenfabrik Darmstadt, G. m. b. H. (See Heymann, Hans, assignor.)

Schick Industries Limited. (See Schick, Jacob, assignor.)

Schick, Jacob, Stamford, Conn., assignor, by mesne assignments, to Shick Industries Limited, Nassau, Bahama Islands. Making shaving heads. 2,080,096; May 11.

Schierghofer, Fred, Tuckahoe, N. Y. Venetian blind. 2,080,233; May 11.

Schiff, Ludwig, Berlin-Lichterfelde, Germany, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Circuit system for electric instantaneous spot welding. 2,080,380; May 11.

Schiff, Ludwig, Berlin-Lichterfelde, Germany, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Process and apparatus for electric instantaneous spot welding. 2,080,381; May 11.

Schiff, Sigmund, assignor to The J. H. Day Company, Cincinnati, Ohio. Plastic handling machinery. 2,080,012; May 11.

Schlafhorst, W., & Co. (See Reiners, W., and Kahlisch, assignors.)

Schlötter, Max, Berlin, Germany. Anode for electroplating by hand. 2,080,234; May 11.

Schlutter, William, Brighton, Colo. Hand blocking tool for sugar beets. 2,079,879; May 11.

Schmeller, John, Sr., Lakewood, Ohio. Apparatus for making a casting. 2,079,749; May 11.

Schmidt, Paul. (See Bay, A., and Schmidt.)

Schmitt, John J. (See Sheppard, S. E., and Schmitt.)

Schmitter, Walter P., Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis. Variable speed transmission. 2,080,152; May 11.

Schneider, Adam, Milwaukee, Wis. Garage door holder. 2,080,097; May 11.

Schneider, Wilhelm. (See Bechmann, R., and Schneider.)

Schnorr, Charles H., New Kensington, Pa., assignor, by mesne assignments, to Cornell Securities Corporation, Cleveland, Ohio. Keeper ring. 2,079,818; May 11.

Scholz, Richard. (See Greenwood, G. C., and Scholz.)

Schrader, Gerhard, Opladen, near Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Thiazole compounds. 2,079,927; May 11.

Schrage, Walter E. (See Huenger, Clifton A., assignor.)

Schubert, Georg, assignor to the firm Fernseh Aktien-Gesellschaft, Zehlendorg, near Berlin, Germany. Television transmission method. 2,079,880; May 11.

Schuetze, Otto, Tacoma, Wash. Hand truck. 2,079,719; May 11.

Schuler, Reuben, Elizabeth, N. J., assignor to Stanco Incorporated. Aqueous germicidal composition containing alkyl phenols. 2,079,772; May 11.

Schultz, Alfred, assignor to Standard Brands Incorporated, New York, N. Y. Manufacture of yeast. 2,079,634; May 11.

Schulz, Walter F., assignor to Truscon Steel Company, Youngstown, Ohio. Making plaster bases and the product thereof. 2,079,819; May 11.

Schumacher, August H., Pomona, Calif. Grass guard for sprinkler heads. 2,080,341; May 11.

Schwaiger, Karl, Gaggenau/Baden, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart, Unterkurtkheim, Germany. Injection nozzle for internal combustion engines. 2,080,189; May 11.

Scott, Everett H., assignor of one-half to T. J. Seibert, Akron, Ohio. Arch support. 2,079,820; May 11.

Scott, Harry J., San Francisco, Calif. Siphon bottle head. 2,079,773; May 11.

Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel injection pump. 2,079,821; May 11.

Séailles, Jean. (See Freyssinet, E., and Séailles.)

Seberhagen, Sigurd H. (See Ross, R. W., and Seberhagen.)

Seberhagen, Sophie, Executrix. (See Ross, R. W., and Seberhagen.)

Seco Manufacturing Company. (See Keith, John D., assignor.)

Seeley, Stuart W. (See Mountjoy, G., and Seeley.)

Seem, J. B., et al. (See Brandenburg, Harry J., assignor.)

Seibert, Thomas J. (See Scott, Everett H., assignor.)

Seigle, William R., Mamaroneck, assignor to Johns-Manville Corporation, New York, N. Y. Making lightweight articles. 2,079,664; May 11.

Seigle, William R., Mamaroneck, assignor to Johns-Manville Corporation, New York, N. Y. Lightweight ceramic composition. 2,079,665; May 11.

Sensaud de Lavaud, Dimitri, Paris, France. Hydraulic device for the transmission of movement. 2,080,199; May 11.

Serra, Manuel A., Habana, Cuba. Friction clutch for motor cars. 2,079,822; May 11.

Servel, Inc. (See Bergholm, Harry K., assignor.)

Seyferth, Carl G., Muskegon, Mich. Landing gear. 2,080,342; May 11.

Sgritta, Gaudenz, Berkeley, Calif. Automatic window screen. 2,079,718; May 11.

Shallcross Company, The. (See Wood, Frederick W., assignor.)

Shambow Shuttle Company. (See Goff, Harold E., assignor.)

Sharp, George G., Wyoming, N. J. Stateroom and accommodation enclosure for ships and the like. 2,079,635; May 11.

Sharp, L. Alan, Bellevue, Pa. Distribution of electricity. 2,079,636; May 11.

Shaw, Harry F., and W. G. Swartz, McKeesport, Pa. Paddle wheel. 2,079,823; May 11.

Shaw, Robert D., Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, New York, N. Y. Tracer for hydraulically operated die sinking machines. 2,079,720; May 11.

Shaw-Walker Company, The. (See Hunter, D. E., and Bourdon, assignors.)

Sheet Polarizer Company. (See Land, Edwin H., assignor.)

Shell Development Company. (See Evans, T., and Edlund, assignors.)

Shell Development Company. (See Moser, Franz R., assignor.)

Shell Development Company. (See Roelfsema, Petrus J., assignor.)

Shepherd, Judson O'D., Atlanta, Ga. Metering system. 2,079,721; May 11.

Sheppard, Samuel E., and J. J. Schmitt, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Film preserving package. 2,080,066; May 11.

Shipley, A. H. (See Shipley, Marion R., assignor.)

Shipley, Marion R., Hermosa Beach, Calif., assignor to A. H. Shipley, Fresno, Calif. Balanced plug valve. 2,079,774; May 11.

Shireman, E. C. (See Wolf, Harry C., assignor.)

Shook, Florain J., Akron, Ohio, assignor to National-Standard Company, Niles, Mich. Apparatus for wrapping tire beads. 2,080,013; May 11.

Shoup, Ransom F. (See Foehrenbach, A. F., and Shoup.)

Shoup Voting Machine Corporation, et al. (See Foehrenbach, A. F., and Shoup, assignors.)

Shuttleworth, John. (See Rowlands, T., and Shuttleworth.)

Sibson, Walter W. (See Allsop, T., and Sibson.)

Siegel, Earl, assignor to Grand Trimmed Hat Mfg. Co., Chicago, Ill. Hat and the manufacture thereof. 2,080,382; May 11.

Simons, Raymond S., Highland Park, Ill. Nonrefillable closure. 2,079,775; May 11.

Simpson, Charlie W., assignor to National Acme Company, Cleveland, Ohio. Electrical chucking mechanism for multiple spindle automatic chucking machines. 2,079,637; May 11.

Sinner, John B., San Diego, Calif. Mausoleum. 2,080,190; May 11.

Smeaton, Clarence G., and A. M. De Voursney, Milwaukee, Wis., said De Voursney assignor to said Smeaton. Unit for bank protection. 2,079,824; May 11.

Smith, Burd Reed, Sharon, Pa., assignor to The Petroleum Iron Works Company of Ohio, Sharon, Pa. Annealing box. 2,080,014; May 11.

Smith, Charles W., Philadelphia, assignor to Charles Peberdy & Son, Philadelphia, Pa. Design wheel and mounting therefor. 2,079,969; May 11.

Smith, Harry E. (See Walsh, J. F., Smith, and Caprio.)

Smith, Henry M., Scotia, N. Y., assignor to General Electric Company. Control electrode for gas-filled tubes. 2,080,235; May 11.

Smith, Herbert W., West Newton, assignor, by mesne assignments, to Bostonia Products Co., Boston, Mass. Soap dispenser. 2,080,343; May 11.

Smith, Sydney, assignor to Wellman Seaver Rolling Mill Company Limited, London, England. Push bench method and apparatus. 2,080,344; May 11.

Smulski, Theodore J., assignor to The Anderson Company, Gary, Ind. Windshield cleaner fastening device. 2,079,881; May 11.

Sneddon, John, McKeesport, Pa., assignor to National Tube Company. Safety device. 2,080,015; May 11.

Snyder, Herbert W., Lima, Ohio. Fluid pressure control means. 2,079,666; May 11.

Soc. An. Salbe. (See Donadon, G., Cardino, and Berio, assignors.)

Société Assurex "Le Roi des Verres de Sécurite" Magnien, Monnier & Cie, et al. (See Magnien, R., assignor.)

Société des Produits Chimiques de Clamecy, et al. (See Charles, Ernest A., assignor.)

Societe des Vernis Pyrolac S. A. R. L. (See St. Hilaire, Albert B., assignor.)

Society of Chemical Industry in Basle. (See Miescher, K., and Hoffman, assignors.)

Society of Chemical Industry in Basle. (See Scheidegger, Jakob, assignor.)

Society of Chemical Industry in Basle. (See Straub, F., and Mayer, assignors.)

Socony-Vacuum Oil Company. (See Davis, H. S., and Francis, assignors.)

Solvay Process Company, The. (See Sundstrom, Carl, assignor.)

Soreng-Manegold Company. (See Funk, Henry J., assignor.)

Souviron, Pierre F. J., Tarbes, France. Cupric mixtures for agricultural purposes and preparing same. 2,079,953; May 11.

Speed, William C., New York, N. Y. Process and apparatus for photoelectric engraving. 2,079,970; May 11.

Square D. Company. (See Van Valkenburg, Hermon L., assignor.)

Squibb, E. R., & Sons. (See Holaday, H. A., and Perry, assignors.)

Stacy, Charles H. B. (See Rea, Harry R., assignor.)

Stanco Incorporated. (See Donlan, Theodore R., assignor.)

Stanco Incorporated. (See Schuler, Reuben, assignor.)

Standard Brands Incorporated. (See Schultz, Alfred, assignor.)

Standard Brands Incorporated. (See Webber, George R., assignor.)

Standard Oil Company. (See Keith, P. C., Jr., and Forrest, assignors.)

Standard Oil Company. (See Voorhees, Vanderveer, assignor.)

Standard Oil Development Company. (See Holtzclaw, J. B., and Winning, assignors.)

Standard Oil Development Company. (See Sweeney, W. J., Richardson, and Murphree, assignors.)

Standard Oil Development Company. (See Wells, Alfred A., assignor.)

Standard Oil Development Company. (See Wiezevich, Peter J., assignor.)

Stark, Louis, assignor of one-half to A. Pollak-Rudin, Vienna, Austria. Absorption refrigerating machine. 2,080,016; May 11.

Staud, Cyril J., and M. L. Dundon, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic developer containing an antifogging agent. 2,080,017; May 11.

Steel Wheel Corporation, The. (See Kliesrath, Victor W., assignor.)

Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Muffling device for compressors. 2,080,236; May 11.

Steimel, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron discharge tube. 2,080,098; May 11.

Steinacker, Frank W., Cleveland, Ohio; M. Steinacker, executrix of said Frank W. Steinacker, deceased. Cord fastener or holder. 2,080,153; May 11.

Steinacker, Martha, executrix. (See Steinacker, Frank W.)

Stevens, Willard B., Arlington, N. J. Cream remover. 2,079,971; May 11.

Stewart, Louis S., Minneapolis, Minn., assignor, by mesne assignments, to E. and O. Krog, and E. Hetland. Connecter. 2,080,237; May 11.

Stöcklin, Paul, Opladen, and E. Konrad, Leverkusen-I. G. Werk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Unvulcanized and vulcanized compositions. 2,080,363; May 11.

Stone, Leslie F. (See Hopkins, H. H., Plummer, and Stone.)

Stoner, Hershell M., Oklahoma City, Okla. Fishhook. 2,080,238; May 11.

Story, Le Roy G., Bronxville, assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbon oils. 2,079,776; May 11.

Stovall, William D. R., Jackson, Miss. Sanding machine. 2,080,345; May 11.

Strasser, Myron S., Albany, N. Y. Packaging device. 2,080,099; May 11.

Straub, Fritz, and H. Mayer, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Complex metal compounds of diazo-dyestuffs. 2,080,191; May 11.

Strauch, Georg, assignor to Chemische Fabrik Stockhausen & Cie, Krefeld, Germany. Water-soluble sulphonation products of phosphatides, and preparing same. 2,079,973; May 11.

Streight, Harvey R. L. (See Barsby, C. R., and Streight.)

Strindberg, Richard, assignor to Development Associates, Inc., Worcester, Mass. Air filter. 2,080,154; May 11.

Strutt, Maximilliaan J. O. (See Markus, N. S., and Strutt.)

Stucatur, Matthew, Philadelphia, Pa. Transmission. 2,080,067; May 11.

Submarine Signal Company. (See Hollis, Howard W., assignor.)

Submarine Signal Company. (See Kunze, Willy, assignor.)

Summers, Otto M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,080,239; May 11.

Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Making separable fastener sliders. 2,079,722; May 11.

Sundstrom, Carl, assignor to The Solvay Process Company, Syracuse, N. Y. Purifying caustic. 2,079,638; May 11.

Sun Tube Corporation, The. (See Fridén, John H., assignor.)

Surfacing Wheel Corporation. (See Hodgkins, Albert A., assignor.)

Suzuki, Kujio. (See Fuwa, K., and Suzuki.)

Swanson, Edwin C. (See Abramson, J. H., and Swanson.)

Swart, Leland K., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Electrical protective system. 2,079,723; May 11.

Swartz, Walter G. (See Shaw, H. F., and Swartz.)

Sweeney, William J., R. W. Richardson, Baton Rouge, La., and E. V. Murphree, New York, N. Y., assignors to Standard Oil Development Company. Apparatus for voltolization. 2,079,750; May 11.

Swensson, Swen M., Chicago, Ill. Folding table. 2,079,639; May 11.

Swift, George W., Jr., Inc. (See Swift, George W., Jr., assignor.)

Swift, George W., Jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Pulp molding. 2,079,667; May 11.

Swift, George W., Jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Blank feeding mechanism for printer-slotters. 2,079,668; May 11.

Tainton Research Corporation. (See Tainton, Urlyn C., assignor.)

Tainton, Urlyn C., Baltimore, Md., assignor to Tainton Research Corporation. Metallic paint. 2,080,346; May 11.

Tauschek, Gustav, New York, N. Y. Storing and selecting records. 2,080,100; May 11.

Taylor, Ewing H., and E. L. Pardue, Nashville, P. Dunlap, McKenzie, and S. O. Edmunds, Eagleville, Tenn. Fruit and vegetable slicer. 2,080,383; May 11.

Taylor, James, and W. Young, Saltcoats, Scotland, assignors to Imperial Chemical Industries, Limited. Safety igniter for blasting explosive devices. 2,079,777; May 11.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bechmann, R., and Schneider, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kuhle, W. E., Prinz, and Herriger, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, Mendel, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Steimel, Karl, assignor.)

Texas Company, The. (See de Florez, Luis, assignor.)

Texas Company, The. (See Story, Le Roy G., assignor.)

Textile Machine Works. (See Bay, A., and Schmidt, assignors.)

Textile Machine Works. (See Gastrich, Gustav, assignor.)

Thom, James C., Chicago, Ill., assignor to United States Tobacco Company, New York, N. Y. Apparatus for inserting articles in containers. 2,079,778; May 11.

Thomas, George E., Long Beach, Calif. Fluid indicator. 2,079,699; May 11.

Thomas, George J., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake structure. 2,080,155; May 11.

Thompson, Wesley S., assignor of one-half to C. W. Dick, Detroit, Mich. Radiator shield securing means. 2,080,347; May 11.

Tilden, Sydney G., Stewart Manor, Long Island, N. Y. Motor vehicle brake testing device. 2,079,751; May 11.

Timken-Detroit Axle Company, The. (See Clark, Eldon S., assignor.)

Timken-Detroit Axle Company, The. (See Morgan, Mathew B., assignor.)

Timken Roller Bearing Company. (See Eastburg, Clifford L., assignor.)

Timken Roller Bearing Company, The. (See Olin, Robert E., assignor.)

Timken Roller Bearing Company, The. (See Scribner, William L., assignor.)

Tognola, Tullio, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Magnetic rotor. 2,080,018; May 11.

Toledo Pipe Threading Machine Company, The. (See Vosper, William W., assignor.)

Toth, Emerick, Flushing, N. Y., and W. H. Cooper, Passaic, N. J., assignors to Pilot Radio Corporation, Long Island City, N. Y. Radio receiving apparatus. 2,079,752; May 11.

Tower, Elmer V. J., assignor to Motor Wheel Corporation, Lansing, Mich. Automatic clutch. 2,079,753; May 11.

Trant, Rudolf, Mulheim-Ruhr, Germany. Sawing apparatus. 2,079,974; May 11.

Traylor Engineering & Manufacturing Company. (See Traylor, Samuel W., Jr.)

Traylor, Samuel W., Jr., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa. Crusher and pressure-exerting machinery. 2,079,882; May 11.

Tretolite Company, The. (See De Groote, M., and Keiser, assignors.)

Trico Products Corporation. (See Horton, Erwin C., assignor.)

Trico Products Corporation. (See Hueber, Henry, assignor.)

Truitt, Edward S., Belleville, N. J. Metal etching mordant. 2,080,348; May 11.

Trumpler, William E., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Oiling device. 2,080,101; May 11.

Truscon Steel Company. (See Schulz, Walter F., assignor.)

Tullis, Boyd W., Wichita, Kans. Vaporizing generator. 2,079,779; May 11.

Tunley, Allan A., and J. C. Paterson, Peterborough, England, assignors to Baker Perkins Company Inc., Saginaw, Mich. Chocolate and like refiner roll machine. 2,080,364; May 11.

Uhlig, Paul R., deceased, late of Auerbach in Erzgebirge, Germany, by F. Lange, executor, Brunswick, Germany. Right and left full-fashioned-foot hosiery and manufacturing same. 2,080,349; May 11.

Ullrich, Georg. (See Langkau, Helmut E. J., assignor.)

Una Welding, Inc. (See Burgett, Lynn S., assignor.)

Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)

Union Carbide & Carbon Corporation. (See Becket, F. M., and Franks, assignors.)

Union Carbide and Carbon Corporation. (See Judd, Edward K., assignor.)

Union Carbide and Carbon Corporation. (See Kehl, Robert J., assignor.)

Union Metal Products Company. (See Gilpin, Garth G., assignor.)

Union Special Machine Company. (See LeVesconte, Harold J., assignor.)

Union Special Machine Company. (See Riviere, Albert S., assignor.)

Union Switch & Signal Company, The. (See Livingston, John W., assignor.)

Union Switch and Signal Company, The. (See Lucas, S. M., and Zierdt, assignors.)

Union Switch & Signal Company. (See Witmer, H. G., and Hines, assignors.)

Union Switch & Signal Company, The. (See Wood, Willard A., assignor.)

United American Bosch Corporation. (See Long, Herbert J., assignor.)

United Merchants & Manufacturing, Inc. (See Bauer, Andrew, Jr., and Whewell, assignors.)

United Research Corporation. (See Goldsmith, Lloyd T., assignor.)

United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)

United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)

United Shoe Machinery Corporation. (See Hart, George T., Jr., assignor.)

United Shoe Machinery Corporation. (See LaChapelle, Fred N., assignor.)

United Shoe Machinery Corporation. (See Prosper, Joseph, assignor.)

United States Fire Protection Corporation. (See Willenborg, Walter J., assignor.)

United States Gypsum Company. (See Devereux, James N., assignor.)

United States Gypsum Company. (See Roos, Carlisle K., assignor.)

United States Tobacco Company. (See Thom, James C., assignor.)

United Wall Paper Factories, Inc. (See Voet, Robert A., assignor.)

Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)

Universal Oil Products Company. (See Lowry, C. D., Jr., and Dryer, assignors.)

Universal Winding Company. (See Blair, Harry R., assignor.)

Urquhart, Adam, Vancouver, British Columbia, assignor to Walter Holloway, Grahamvale, Canada. Animal trap. 2,079,825; May 11.

Usher, Harry C., New Haven, and J. J. Kispert, Hamden, assignors to I. Newman & Sons, Inc., New Haven, Conn. Corset clasp. 2,080,240; May 11.

Vaco Products, Inc. (See Linsley, Douglas F., assignor.)

Valasek, Otakar, Chicago, Ill. Weedless guard for fish lures, etc. 2,079,883; May 11.

Valentine, Frank I. (See Lawrence, F. H., and Valentine.)

Van Cleef Bros. (See Van Cleef, Noah, assignor.)

Van Cleef, Noah, assignor to Van Cleef Bros., Chicago, Ill. Vulcanizing apparatus. 2,079,826; May 11.

Vanity Fair Silk Mills. (See Herb, Leroy B., assignor.)

Van Ranst, Cornelius W., assignor to Packard Motor Car Company, Detroit, Mich. Transmission. 2,079,724; May 11.

Van Taack-Trakranen, Frederic, and G. Wietzel, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acetaldehyde from acetylene. 2,079,976; May 11.

Van Valkenburg, Hermon L., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Automatic controller. 2,080,241; May 11.

Varian, Russell H., San Francisco, Calif., assignor to Farnsworth Television Incorporated. Protected grid. 2,079,884; May 11.

Vickers, Harry F., and K. R. Herman, assignors to Vickers, Incorporated, Detroit, Mich. Hydraulic step drilling unit. 2,079,640; May 11.

Vickers, Incorporated. (See Vickers, H. F., and Herman, assignors.)

Voet, Robert A., Oak Park, Ill., assignor to United Wall Paper Factories, Inc., Jersey City, N. J. Washable paper. 2,079,780; May 11.

Vogel, Wilhelm. (See Hochstadter, M., and Vogel.)

Volck, William H., Watsonville, assignor to California Spray-Chemical Corporation, Berkeley, Calif. Weed killing compositions. 2,079,827; May 11.

Volkmann, Willy, Halbertadt, and W. Kleist, Groningen, Germany. Protecting device for water closets. 2,079,975; May 11.

Vollner, Harry H. (See Eudaly, N. L., and Vollner.)

Von Fuchs, George H., Wood River, Ill., and L. E. Border, Boulder, Colo. Treatment of petroleum distillates. 2,080,365; May 11.

Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Preparing lubricating oils. 2,079,885; May 11.

Voorhees, Vanderveer, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Oil refining process. 2,079,886; May 11.

Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Production of high cetene number Diesel fuel oil. 2,079,887; May 11.

Vosper, William W., assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio. Turning, facing, and threading tool. 2,079,954; May 11.

Waldron, Lawrence D., Minneapolis, Minn. Telescoping extension. 2,080,350; May 11.

Walker, Hubert, Elmira, N. Y., assignor, by mesne assignments, to American-La France-Foamite Corporation. Pressure control mechanism. 2,079,781; May 11.

Walker, Jay P., Tulsa, Okla., and E. V. Foran, San Antonio, Tex. Recovering well fluids. 2,080,351; May 11.

Walsh, James F., South Orange, and A. F. Caprio, Newark, N. J., assignors to Celluloid Corporation. Cementing cellulosic plastics. 2,079,641; May 11.

Walsh, James F., South Orange, and H. E. Smith and A. F. Caprio, Newark, N. J., assignors to Celluloid Corporation. Cementing material. 2,079,642; May 11.

Wampler, Gus. (See Frazier, George E., assignor.)

Ward, Howard, Barker, assignor to W. R. Kenan, Jr., Lockport, N. Y. Electric screen. 2,080,242; May 11.

Warner and Swasey Company, The. (See Cook, Hal L., assignor.)

Warner Brothers Pictures, Inc. (See Geib, Robert L., assignor.)

Warner, Donald F., Lynn, Mass., assignor to General Electric Company. Speed governor. 2,080,243; May 11.

Washburn Company, The. (See Glenny, Clarence S., assignor.)

Watson, Charles B., assignor of fifty-one per cent to F. G. Johnson, Omaha, Nebr. Traffic control signal. 2,079,828; May 11.

Watson, George E. (See Bradley, A. M., and Watson.)

Waxgiser, William V., Brooklyn, N. Y. Article projection apparatus for shelves. 2,079,754; May 11.

Weaver, Myron A., Rye, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus and method for remedying crosstalk. 2,080,217; May 11.

Webber, George R., Palisades, N. J., assignor to Standard Brands Incorporated, New York, N. Y. Apparatus for controlling a movable web. 2,080,292; May 11.

Wegel, Raymond L. (See Lovell, C. A., and Wegel.)

Weil, Harvey V., Glendale, Long Island, assignor to Compo Shoe Machinery Corporation, New York, N. Y. Device for making composite shoe soles. 2,079,669; May 11.

Weirich, Heinrich, Philadelphia, Pa. Thermostatic switch. 2,080,244; May 11.

Weirich, Heinrich, Secane, Pa. Thermostatic switch. 2,080,245; May 11.

Weisman, Ralph, Detroit, Mich. Noiseless and anti-slipping pad for bed springs. 2,080,068; May 11.

Weiss, Abraham, assignor to J. Weiss, New York, N. Y. Controlling the brakes of motor vehicles. 2,079,978; May 11.

Weiss, Joe. (See Weiss, Abraham, assignor.)

Weisse, Ernst, Leipzig-Lentzsch, Germany. Optical instrument. 2,080,352; May 11.

Weitzel, Gustave. (See van Taack-Trakranen and Weitzel.)

Wellman Seaver Rolling Mill Company Limited. (See Smith, Sydney, assignor.)

Wells, Alfred A., Roselle Park, N. J., assignor to Standard Oil Development Company. Deodorizing lubricating oils. 2,079,782; May 11.

Wemp, Ernest E., Detroit, Mich. Clutch cover plate. 2,079,888; May 11.

Wengen, Frank J., assignor to Eagle Knitting Mills, Inc., Milwaukee, Wis. Bather's trunks. 2,080,246; May 11.

Wenzel, Albert W., West Orange, N. J. Packing ring. 2,079,977; May 11.

Westinghouse Electric & Manufacturing Company. (See Lowry, Erwin F., assignor.)

Whatmough, Wilfred A., Golders Green, London, England. Automatically modifying the flow of pulsating fluid flow streams. 2,080,293; May 11.

Wheeler, Phillip R., Alexandria, Va. Control system for transmissions. 2,080,294; May 11.

Wheeler, Phillip R., Alexandria, Va., and R. Christensen, Landover, Md. Brake control. 2,080,295; May 11.

Wheeling Steel Corporation. (See Conner, Guy O., assignor.)

Whewell, Robert. (See Bauer, A., Jr., and Whewell.)

White Castle System of Eating Houses Corporation, The. (See Ray, Loyd W., assignor.)

White, Frank L., assignor to Eastman Kodak Company, Rochester, N. Y. Hardening photographic emulsions. 2,080,019; May 11.

Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Yarn and filament and preparing same. 2,079,643; May 11.

Wichert Continuous Bridge Corporation, The. (See Wichert, Ernest M., assignor.)

Wichert, Ernest M., Wilkinsburg, assignor to The Wichert Continuous Bridge Corporation, Pittsburgh, Pa. Apparatus for marine construction. 2,079,889; May 11.

Wickersham, Harry P., Huntington Park, and E. Burns, Los Angeles, Calif. Crown block. 2,079,725; May 11.

Wiezevich, Peter J., Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricant. 2,079,783; May 11.

Wiles, Russell. (See Merriam, C. J., and Wiles.)

Wilkoff, Arthur E., Niles, Ohio, assignor to Youngstown Steel Car Corporation. Tunnel lining. 2,080,020; May 11.

Willenborg, Walter J., Weehawken, assignor to United States Fire Protection Corporation, Hoboken, N. J. Collecting exhaust gases. 2,080,102; May 11.

Williams, Edward R., et al. (See Williams, Edward R., assignor.)

Williams, Edward R., assignor, by mesne assignments, to E. R. Williams and J. L. C. Williams, Latrobe, Pa. Method and apparatus for continuous casting. 2,079,644; May 11.

Williams, Julia L. C., et al. (See Williams, Edward R., assignor.)

Williams, Robley C., Rockefeller Hall, Cornell University, N. Y. Plating by thermal evaporation. 2,079,784; May 11.

Wilson, Elihu C., assignor of twenty-five per cent to E. P. Wilson, twenty-five per cent to E. J. Farrar, Los Angeles, and twenty-five per cent to A. B. Booth, Culver City, Calif. Latch. 2,080,218; May 11.

Wilson Engineering Corporation. (See McCoy, Verl E., assignor.)

Wilson Engineering Corporation. (See McCoy, V. E., and Anderson, assignors.)

Wilson, Eva P., et al. (See Wilson, Elihu C., assignor.)

Wilson, Frank L., Raymondville, Tex. Garment stretcher. 2,079,726; May 11.

Wilson-Jones Company. (See Dawson, George H., assignor.)

Wingfoot Corporation. (See Clifford, Albert M., assignor.)

Wingfoot Corporation. (See Merrill, James A., assignor.)

Winning, Carl. (See Holtzclaw, J. B., and Winning.)

Wirtz, John, Port Huron, Mich. Automatic battery grid casting machine. 2,079,727; May 11.

Witmer, Harold G., Pittsburgh, and C. M. Hines, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Track circuit apparatus. 2,080,069; May 11.

Wittel, Otto, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Motion picture apparatus control mechanism. 2,080,021; May 11.

Wolf, Carl, assignor to Wolf's New Process Abrasive Wheel, Inc., Meriden, Conn. Reenforced grinding wheel. 2,080,156; May 11.

Wolf, Harry C., Indianapolis, Ind., assignor to E. C. Shireman, Martinsville, Ind. Apparatus for the maintaining of uniformity in the production of mixture of two or more ingredients. 2,079,928; May 11.

Wolf Machine Company, The. (See Meyer, Henry A., assignor.)

Wolf's New Process Abrasive Wheel, Inc. (See Wolf, Carl, assignor.)

Wollensak, Andrew, and G. F. Pirwitz, assignors to Wollensak Optical Company, Rochester, N. Y. Prism binocular. 2,079,890; May 11.

Wollensak Optical Company. (See Wollensak, A., and Pirwitz, assignors.)

Wood, F. E., et al. (See Brandenburg, Harry J., assignor.)

Wood, Floyd J., Niles, Mich. Filter. 2,079,755; May 11.

Wood, Frederick W., assignor to The Shallcross Company, Philadelphia, Pa. Universal joint. 2,080,296; May 11.

Wood, George R., Toronto, Ontario, Canada, assignor, by mesne assignments, to The Hobart Manufacturing Company, Troy, Ohio. Knife sharpener. 2,079,891; May 11.

Wood, Raymond E. (See Yoder, R. S., and Wood.)

Wood, Willard A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Control and indication of railway switches. 2,080,022; May 11.

Woodward, Mary E., Lexington, Ky. Beacon sun ray light. 2,079,955; May 11.

Woolley, Bruce D., Johnstown, Ohio. Motor vehicle transmission. 2,079,999; May 11.

Worth Company, The. (See Butterwoth, Samuel D., assignor.)

Worth Company, The. (See Nampa, Sulo M., assignor.)

Worthington, Edward H., Dunfield, N. J. Lawn mower. 2,079,979; May 11.

Wright, Judson W., and E. H. Glinz, Detroit, Mich. Thermostatic switch. 2,080,070; May 11.

Yager, George F., and O. J. Heath, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio. Turning and facing machine. 2,080,157; May 11.

Yager, George F., and O. J. Heath, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio. Metalworking machine. 2,080,158; May 11.

Yoder, Raymond S., and R. E. Wood, assignors to Galvin Manufacturing Company, Chicago, Ill. Filter. 2,080,024; May 11.

Yoshimura, Teiji. (See Mizuta, M., and Yoshimura.)

Yotta, Jean R., Los Angeles, Calif. Meat chopping machine. 2,079,892; May 11.

Young, Harold M. (See Hosier, John M., assignor.)

Young, John C., Pittsburgh, Pa. Piston. 2,080,297; May 11.

Young, William. (See Taylor, J., and Young.)

Youngberg, Walter K., Meriden, Conn. Verifying punch machine for duplicate cards. 2,080,192; May 11.

Youngstown Steel Car Corporation. (See Wilkoff, Arthur E., assignor.)

Z Processes Inc. (See Zarotschenzeff, Mikail T., assignor.)

Zakos, Evangelos, Brooklyn, assignor to Zakos Menu Holder & Napkin Holder, Inc., New York, N. Y. Combined napkin dispensing case and menu card holder. 2,080,023; May 11.

Zakos Menu Holder & Napkin Holder, Inc. (See Zakos, Evangelos, assignor.)

Zarotschenzeff, Mikail T., New York, N. Y., assignor, by mesne assignments, to Z Processes Inc., Jersey City, N. J. Method and apparatus for refrigerating food products. 2,080,103; May 11.

Ziemmerman, Henry A., assignor to Chicago Cardboard Company, Chicago, Ill. Folding display. 2,080,025; May 11.

Zierdt, Conrad H. (See Lucas, S. M., and Zierdt.)

Zieve, William A., North Bergen, N. J. Knitted fabric. 2,079,670; May 11.

Zoeller, Anton J., West New York, N. J. Pressure hammer absorber. 2,079,829; May 11.

Zubaty, Joseph, Pizen, Czechoslovakia. Automobile chassis suspension construction. 2,079,671; May 11.

Zuschlag, Theodor, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Electrical analysis-method. 2,079,645; May 11.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Articles, particularly metallic goods, Method and apparatus for cleaning. K. J. R. Robertson. 20,359; May 11.

Carriage drive mechanism. C. A. Macomic. 20,358; May 11.

Dial, Tuning. J. W. Fitz Gerald. 20,357; May 11.

Emulsions, Producing. H. Schrader. 20,361; May 11.

Filaments, Equalizing the dyeing qualities of artificial. R. Elssner and R. H. Carter. 20,356; May 11.

Rate of climb indicator. E. Horn. 20,363; May 11.

Razor. H. Swan. 20,362; May 11.

Water, Treating. L. Rosenstein. 20,360; May 11.

LIST OF DESIGN INVENTIONS

Bib, Baby's. L. V. Anderson. 104,490; May 11.

Bicycle handle bar extension stem. E. F. Pawsat. 104,504–6; May 11.

Bottle. J. S. Steelman. 104,479; May 11.

Bottle, Glass. L. J. Kihn. 104,453; May 11.

Bottle or similar article. G. Bonardi. 104,435; May 11.

Bottle or similar article. P. E. Roehrich. 104,474; May 11.

Box, Starting. T. A. Keen. 104,450; May 11.

Cabinet or similar article, Radio. R. Silverstein and H. Rosen. 104,478; May 11.

Casing, Gas heater. R. G. Calton. 104,439; May 11.

Charm. E. L. Arzt. 104,432; May 11.

Cleaner, Vacuum. F. Keller. 104,451; May 11.

Clip. C. Adler. 104,429; May 11.

Coffee maker or the like. G. T. Scharfenberg. 104,477; May 11.

Column and base, Combined milling machine. J. B. Armitage. 104,431; May 11.

Cover, Book. L. Mounteney. 104,466; May 11.

Cover, Cake box. M. H. Connor. 104,442; May 11.

Dial and hands for a clock or similar article, Combined. A. Elkonin. 104,443; May 11.

Dispensing device. W. H. Adams. 104,489; May 11.

Doll. M. Wexman. 104,509; May 11.

Dress. H. Berry. 104,513–14; May 11.

Dress. E. Ceisler. 104,515; May 11.

Dress. T. Coleman. 104,516; May 11.

Dress ensemble. G. Diaz. 104,517; May 11.

Dump body. H. Cohen. 104,441; May 11.

Fabric, Elastic. O. E. Huber. 104,496; May 11.

Fabric or similar article, Textile. A. Bach. 104,511–12; May 11.

Fabric or similar article, Textile. G. Canelstein. 104,440; May 11.

Fabric or similar article, Textile. G. W. Gundermann. 104,445; May 11.

Fabric or similar article, Textile. W. L. Turner. 104,481; May 11.

Fabric or similar article, Textile. W. L. Turner. 104,519; May 11.

Fabric, Textile. C. E. Forstmann. 104,494; May 11.

Fabric, Textile. M. D. Kornfeld. 104,455–7; May 11.

Fabric, Textile. M. Turpan. 104,482; May 11.

Fabric, Textile. M. Turpan. 104,508; May 11.

Fabric, Textile. H. W. Wilde. 104,486; May 11.

Flashlight. O. T. Wood. 104,510; May 11.

Frame, Bicycle. J. R. Morgan. 104,501; May 11.

Golf club head. J. P. Gallagher. 104,495; May 11.

Guard, Bicycle mud. E. F. Pawsat. 104,507; May 11.

Handbag. E. Lowy. 104,461–3; May 11.

Handbag or similar article, Lady's. J. Ballenzweig. 104,433; May 11.

Handle for a cooking pan or similar article. G. A. Weinig. 104,484; May 11.

Heater, Space. R. E. Kruck. 104,458; May 11.

Jug or similar article. J. C. Kelly. 104,452; May 11.

Knob, Furniture. G. J. Overmyer. 104,502; May 11.

Lighting unit. C. F. Haas. 104,446–7; May 11.

Manicuring machine, Electric. F. B. Boggs. 104,491; May 11.

Marker, Road. L. A. McCarthy. 104,464; May 11.

Ornament, Shoe. L. Alterson. 104,430; May 11.

Oven, Baking. W. Fader. 104,444; May 11.

Pedestal for motion picture machines. A. Kindelmann and C. A. Soehl. 104,497; May 11.

Pipe extension, Exhaust. L. E. Russell. 104,476; May 11.

Plaque. D. J. McNamara. 104,465; May 11.

Projector. O. E. Trautmann. 104,480; May 11.

Restaurant. J. J. Van Sandt and A. Knox. 104,483; May 11.

Rug. L. Biva. 104,434; May 11.

Screw. H. F. Phillips. 104,473; May 11.

Shoe. M. Lippert. 104,460; May 11.

Shoe or similar article. A. Perugia. 104,468–72; May 11.

Shoe or similar article. S. Weinstat. 104,485; May 11.

Shoe upper material. A. Turiansky. 104,488; May 11.

Showcase or similar article. O. L. Bulman. 104,437; May 11.

Signal for graduating transit-periods, Electric traffic. J. J. Roberts. 104,518; May 11.

Slicer, Cheese. J. W. Koch. 104,454; May 11.

Slipper. D. J. Calderazzo. 104,438; May 11.

Spoon or other article of flatware. J. P. O'Donnell. 104,467; May 11.

Stand and ashtray, Combined. R. R. Lemmon. 104,459; May 11.

Suitcase. E. E. Wilt. 104,487; May 11.

Table, Console extension. C. H. Brandt. 104,436; May 11.

Table for a school chair or the like. J. C. Moore. 104,500; May 11.

Tire. E. F. Brunner. 104,492; May 11.

Tire. L. L. Clayton. 104,493; May 11.

Tire. H. S. Mooradian. 104,499; May 11.

Tire. J. E. Partenheimer. 104,503; May 11.

Tool and letter opener, Combined draftsman. R. C. MacDonald. 104,498; May 11.

Tumbler. M. O. Hansen. 104,449; May 11.

Wire, Optical. W. A. Rohman. 104,475; May 11.

Wrench, Combined jar and bottle. B. F. Hamilton. 104,448; May 11.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive tool. A. A. Hodgkins. 2,079,995; May 11.
Acetaldehyde from acetylene, Production of. F. van Taack-Trakranen and G. Wietzel. 2,079,976; May 11.
Acid: *See*—
Barbituric acid.
Acid esters of cellulose of lowered viscosity, Preparation of organic. C. J. Malm and H. S. Gardner, Jr. 2,080,054; May 11.
Acid resisting composition. C. R. Barsby and H. R. L. Streight. 2,079,756; May 11.
Acid, Treatment of aqueous solutions of acetic. E. A. Charles. 2,079,789; May 11.
Acids and making same, Amino-aryl sulphone-sulphonic. J. Scheidegger. 2,080,188; May 11.
Acylamino anthraquinones, Pyridino. M. A. Kunz, K. Koeberle and C. Kochendoerfer. 2,079,940; May 11.
Adhesive tape box. H. Lemaster. 2,080,052; May 11.
Air and other separator. G. H. Fraser. 2,079,609; May 11.
Air filter. R. Strindberg. 2,080,154; May 11.
Airplane. D. B. W. Brown. 2,079,677; May 11.
Airship. H. Rusch. 2,080,094; May 11.
Alarm system. B. F. Kunkel. 2,080,321; May 11.
Alarm system, Telephonic. J. M. Johnson. 2,080,136; May 11.
Alcohol, Apparatus for the distillation of. P. Da Valle. 2,080,167; May 11.
Alcohols obtained from olefines, Purification of. A. H. Bump. 2,080,111; May 11.
Amines, Purifying secondary. A. M. Clifford. 2,080,366; May 11.
Amplifier, Acoustic. C. A. Lovell and R. L. Wegel. 2,079,694; May 11.
Amusement apparatus. J. N. Bartlett. 2,080,029; May 11.
Animal trap. A. Urquhart. 2,079,825; May 11.
Annealing box. B. R. Smith. 2,080,014; May 11.
Anode for electroplating by hand. M. Schlötter. 2,080,234; May 11.
Anthraquinone compounds and a product produced thereby, Preparation of. E. E. Beard. 2,080,106; May 11.
Antiskid device. F. R. Edgarton. 2,079,990; May 11.
Apparatus for controlling an iron cord. F. J. Burns. 2,079,759; May 11.
Apparatus for delivering thin articles one by one. H. Kade. 2,080,277; May 11.
Apparatus for the maintaining of uniformity in the production of mixture of two or more ingredients. H. C. Wolf. 2,079,928; May 11.
Apron. J. L. Laib. 2,080,176; May 11.
Arch support. E. H. Scott. 2,079,820; May 11.
Aromatic condensation products. H. Heresheimer and W. Ruppel. 2,080,057; May 11.
Article projection apparatus for shelves. W. V. Waxgiser. 2,079,754; May 11.
Articles from plastic materials, Manufacture of. A. D. G. Landucci. 2,080,051; May 11.
Articles in containers, Apparatus for inserting. J. C. Thom. 2,079,778; May 11.
Articles, Making lightweight. W. R. Seigle. 2,079,664; May 11.
Atomizer. L. V. Aronson. 2,079,587; May 11.
Automatic clutch. E. V. J. Tower. 2,079,753; May 11.
Automobile heater. H. Hueber. 2,079,859; May 11.
Automobile protecting device. B. Berggren. 2,080,161; May 11.
Bag for collecting laundry and the like. G. B. Cook. 2,080,252; May 11.
Baking, Method of. A. M. Bradley and G. E. Watson. 2,080,162; May 11.
Balance, Torsion. H. Rainbow. 2,080,062; May 11.
Balanced plug valve. M. R. Shipley. 2,079,774; May 11.
Baling, Method and apparatus for. G. Innes. 2,080,316; May 11.
Band strapping machine. G. Mortimer. 2,080,329; May 11.
Bar and fracture stand, Combination rest. J. H. Johnson. 2,079,617; May 11.
Barbituric acid, Tri-substituted. F. Boedecker and H. Gruber. 2,080,071; May 11.
Barrel, Insulated metal. R. H. Maddock. 2,080,326; May 11.
Basket, Bicycle. C. S. Glenny. 2,079,851; May 11.
Bathtub. W. A. Housewellер. 2,079,739; May 11.
Bathtub and shower, Combination. J. M. Robinson. 2,079,770; May 11.
Battery: *See*—
Electric battery.
Battery grid casting machine, Automatic. J. Wirtz. 2,079,727; May 11.

Beacon sun-ray light. M. E. Woodward. 2,079,955; May 11.
Bed, Disappearing. L. Koefoed. 2,079,939; May 11.
Belt. S. R. Reimel. 2,079,965; May 11.
Beverage, Nonalcoholic. F. L. Douglas. 2,080,032; May 11.
Binder, Loose leaf. G. H. Dawson. 2,079,761; May 11.
Binder, Loose leaf. F. Madle. 2,079,865; May 11.
Binding agent for paints, lacquers, and varnishes. J. Rinse. 2,079,951; May 11.
Binocular, Prism. A. Wollensak and G. F. Pirwitz. 2,079,890; May 11.
Bit: *See*—
Roller shoulder bit.
Blank feeding mechanism for printer-slotters. G. W. Swift, Jr. 2,079,668; May 11.
Blind, Venetian. F. Schierghofer. 2,080,233; May 11.
Blocks: *See*—
Crown block. Print block.
Boat and manufacture. A. J. Patch. 2,079,868; May 11.
Boiler: *See*—
Locomotive boiler.
Book, Loose leaf. J. and F. S. Schade. 2,079,817; May 11.
Boom for excavating machines or the like. A. F. Busick, Jr. 2,080,163; May 11.
Bottle. G. Lufkin. 2,080,144; May 11.
Bottle corking machine. H. G. Moore. 2,080,393; May 11.
Bottle head, Siphon. H. J. Scott. 2,079,773; May 11.
Bottle, Nonrefillable. J. A. Patterson. 2,080,213–15; May 11.
Bourdon tube gauge. C. W. McKinley. 2,079,914; May 11.
Bow for stringed instruments. A. Matha. 2,079,811; May 11.
Box: *See*—
Adhesive tape box. Stuffing box.
Annealing box.
Bracket: *See*—
Curtain bracket. Mounting bracket.
Braiding machine control. L. F. Brown and P. A. Allen. 2,079,836; May 11.
Brake: *See*—
Hand brake.
Brake construction. A. C. Hoof. 2,080,314; May 11.
Brake control. P. R. Wheeler and R. Christensen. 2,080,295; May 11.
Brake control mechanism. F. W. Pooley. 2,079,662; May 11.
Brake mechanism. S. F. Arbuckle. 2,079,588–9; May 11.
Brake rigging, Automobile. W. D. Harper. 2,080,131; May 11.
Brake structure. G. J. Thomas. 2,080,155; May 11.
Brake testing device, Motor vehicle. S. G. Tilden. 2,079,751; May 11.
Brakes of motor vehicles, Controlling the. A. Weiss. 2,079,978; May 11.
Braking mechanism. M. W. Bowen. 2,080,196; May 11.
Broach shank connecter. F. J. Lapointe. 2,079,692; May 11.
Brush, Rotary. R. C. Mertes. 2,079,713; May 11.
Brusher, Fruit. H. J. Brandenburg. 2,080,197–8; May 11.
Building structure. L. W. Ray. 2,080,230; May 11.
Burner: *See*—
Oil burner.
Bushing for drums. C. E. Farrington. 2,079,991; May 11.
Butyl ethers, Mixed tertiary. T. Evans and K. R. Edlund. 2,080,034; May 11.
Cabinet, Book delivering. C. H. Berlll. 2,080,219; May 11.
Cabinet, Razor blade vending and collecting. C. E. Frederickson. 2,080,038; May 11.
Cabinet, Refrigerator. C. P. Erickson. 2,079,608; May 11.
Cabinet, Tie. G. C. Boenig. 2,079,593; May 11.
Cabinet, Type or matrix. Ish-Shelom, Samu-El, and O. I. Bloom. 2,079,968; May 11.
Cable installation, Electric. M. Hochstadter and W. Vogel. 2,079,856; May 11.
Cage, Scenic insect. F. E. Austin. 2,080,160; May 11.
Calf weaner. J. N. Janda. 2,079,741; May 11.
Camera. C. A. Huenger. 2,080,274; May 11.
Can: *See*—
Loom quill can.
Candle holder. S. G. Buskard. 2,080,251; May 11.
Cap, Bottle. S. A. Erastoff. 2,079,794; May 11.
Cap for receptacles, Closure. A. R. Fergusson. 2,079,932; May 11.
Cap, Tear-off. S. K. Berk. 2,079,757; May 11.

Car, Articulated. W. H. Mussey and M. P. Blomberg. 2,079,747; May 11.
Car loading device. S. D. Butterworth. 2,079,929–31; May 11.
Car loading mechanism. S. M. Nampa. 2,079,947; May 11.
Car retarder control apparatus and testing means therefor. J. W. Livingston. 2,080,053; May 11.
Carbon dioxide, Apparatus for producing. J. S. Belt. 2,080,300; May 11.
Carburetor. J. W. Fitz Gerald. 2,080,258; May 11.
Card holder. G. O. Conner. 2,080,164; May 11.
Carrier for photographic strip film, Roll. H. F. Albrecht. 2,080,026; May 11.
Case: *See*—
Loading coil case.
Case and menu card holder, Combined napkin dispensing. E. Zakos. 2,080,023; May 11.
Case or partition machine, Adjustable cell. W. E. Jensen. 2,080,357; May 11.
Cases with contact material, Charging of. T. B. Prickett and R. C. Lassiat. 2,079,630; May 11.
Casket. G. T. Balfe. 2,079,729; May 11.
Casting, Apparatus for making a. J. Schmeller, Sr. 2,079,749; May 11.
Casting, Method and apparatus for continuous. E. R. Williams. 2,079,644; May 11.
Catalyst for the reduction of sulphur dioxide, Production of a. R. Lepsoe and J. R. Mills. 2,080,359; May 11.
Catch. G. W. Aldeen and T. Erickson. 2,079,648; May 11.
Catch mechanism for locks, Supplemental. I. G. Brooks. 2,079,895; May 11.
Caustic, Purifying. C. Sundstrom. 2,079,638; May 11.
Cement, Making high silica. F. A. B. Finkeldey. 2,079,790; May 11.
Cementing material. J. F. Walsh, H. E. Smith, and A. F. Caprio. 2,079,642; May 11.
Center spot crowns, Making. J. B. Eisen. 2,080,255–6; May 11.
Center spot crowns, Making. J. Gutmann. 2,080,265; May 11.
Ceramic bodies, Process and batch for making. G. R. Pole. 2,079,715; May 11.
Ceramic composition, Lightweight. W. R. Seigle. 2,079,665; May 11.
Chain link. J. Bocchino. 2,080,301; May 11.
Charge forming apparatus. A. and E. Olivotti. 2,080,182; May 11.
Chart, Music signature. T. J. Orzada. 2,079,920; May 11.
Chaser and mounting therefor, Circular. E. T. Bysshe and R. R. Finn. 2,080,303; May 11.
Chassis suspension construction, Automobile. J. Zubaty. 2,079,671; May 11.
Chocolate and like refiner roll machine. A. A. Tunley and J. C. Paterson. 2,080,364; May 11.
Choker hook. A. M. Naysmith. 2,080,148; May 11.
Circuit breaker. A. D. Olds. 2,079,812; May 11.
Circuit breaker, Electrical. O. Maseng. 2,080,178; May 11.
Circuit, Electric valve. B. D. Bedford. 2,080,250; May 11.
Circuit interrupter or circuit breaker, Automatic interchangeable. W. S. Mayer. 2,079,866; May 11.
Circuit system for electric instantaneous spot welding. L. Schiff. 2,080,380; May 11.
Clamp for printing machines, Plate. F. J. Fuller. 2,080,260; May 11.
Clasp, Corset. H. C. Usher and J. J. Kispert. 2,080,240; May 11.
Clasp, Lingerie. H. Hirsch. 2,079,855; May 11.
Cleaner: *See*—
Thread cleaner.
Cleaning tool. F. F. Petrovsky. 2,080,334; May 11.
Cleansing article. G. W. Brooks. 2,079,600; May 11.
Clip. H. Guimond. 2,080,173; May 11.
Clipper, Hair. S. Demosky and J. A. Cichanski. 2,080,200; May 11.
Clock, Electric program. R. Ottaway. 2,080,330; May 11.
Closure for collapsible tubes. S. L. Gilbert. 2,080,075; May 11.
Cloth cutting machine. H. A. Meyer. 2,080,328; May 11.
Clothing, Ventilated. R. Anders. 2,079,980; May 11.
Clutch: *See*—
Automatic clutch.
Clutch. H. A. Miller. 2,080,291; May 11.
Clutch cover plate. E. E. Wemp. 2,079,888; May 11.
Clutch for motor cars, Friction. M. A. Serra. 2,079,822; May 11.
Coal undercutting machine. G. D. Miller. 2,080,181; May 11.
Coating machine. M. F. Holt and S. N. Lipowski. 2,079,614; May 11.
Coatings, Testing the tightness of protective. H. Reichert. 2,079,925; May 11.
Coffee maker. H. G. Davis. 2,079,603; May 11.
Coil for refrigerating machines, Refrigerating. H. C. Hayes. 2,080,387; May 11.
Coin-controlled mechanism. H. S. Benjamin. 2,079,832; May 11.
Coin sorting machine. J. E. Rasmusen and C. A. Lausen. 2,080,389; May 11.
Collar, Coat. M. Rosenwasser. 2,079,877; May 11.
Color-photographic images and cinematograph films and light-sensitive emulsion therefor, Producing. B. Gaspar. 2,080,041; May 11.
Comb. H. M. Ballou. 2,080,248; May 11.
Communication system. W. R. Koch. 2,080,281; May 11.
Compressor synchronizing system. L. B. Rogers and W. S. H. Hamilton. 2,080,232; May 11.
Concrete structure, Reenforced. B. F. Friberg. 2,080,124; May 11.
Condenser: *See*—
Variable condenser.
Condensers, Testing electrical. G. E. Frazier. 2,080,308; May 11.
Confections, Method and apparatus for making. W. S. Cloud. 2,080,113; May 11.
Connecter: *See*—
Broach shank connecter.
Connecter. L. S. Stewart. 2,080,237; May 11.
Connecting device. E. S. Cushman and E. Konik. 2,079,988; May 11.
Container: *See*—
Display container. Paper container.
Duplex container.
Container. W. C. Bonthron. 2,079,599; May 11.
Container. G. F. Ford and W. F. Pittman. 2,080,122; May 11.
Container having a high resistance to corrosion by alkaline and soda ash solutions. A. Beck. 2,079,786; May 11.
Container or receptacle. M. B. Frank. 2,079,688; May 11.
Control and indication of railway switches. W. A. Wood. 2,080,022; May 11.
Control device. E. J. Dillman. 2,080,169; May 11.
Control for operating machinery, Automatic minimum pressure. W. Ernst. 2,079,904; May 11.
Control mechanism for dampers and the like. C. A. Otto. 2,080,212; May 11.
Control mechanism for milling planers or other machines. J. E. Doran. 2,079,735; May 11.
Control system. C. E. Dean. 2,080,115; May 11.
Control system for transmissions. P. R. Wheeler. 2,080,294; May 11.
Controller, Automatic. H. L. Van Valkenburg. 2,080,241; May 11.
Cop and tube therefor. W. Reiners and G. Kahlisch. 2,079,966; May 11.
Core catcher retainer and seat for a core barrel. G. J. Labarre. 2,079,941; May 10.
Coupling for pipes and the like. M. Novati. 2,079,949; May 11.
Cover: *See*—
Rupture pad cover.
Cover for containers of different sizes. S. J. Brandstein. 2,080,108; May 11.
Cover for wells and cisterns. I. F. Bradley. 2,079,835; May 11.
Cream remover. W. B. Stevens. 2,079,971; May 11.
Cream separator. E. C. Gregory. 2,080,042; May 11.
Crosstalk, Apparatus and method for remedying. M. A. Weaver. 2,080,217; May 11.
Crown block. H. P. Wickersham. 2,079,725; May 11.
Crusher and pressure-exerting machinery. S. W. Traylor, Jr. 2,079,882; May 11.
Cupric mixtures for agricultural purposes and preparing same. P. F. J. Souviron. 2,079,953; May 11.
Curtain. A. Bauer, Jr., and R. Whewell. 2,079,831; May 11.
Curtain bracket, Adjustable. L. J. Rose. 2,079,816; May 11.
Cutter: *See*—
Ensilage cutter.
Cyclohexylamine derivatives. H. A. Lubs and F. W. Johnson. 2,080,143; May 11.
Dairy products, Apparatus for handling. E. Hauk. 2,080,370; May 11.
Depth measurement. H. W. Hollis. 2,079,612; May 11.
Detector for combustible gas. R. H. Canfield. 2,079,601; May 11.
Detergent composition. T. R. Donlan. 2,079,793; May 11.
Die casting machine. H. Gastrow. 2,079,936; May 11.
Diesel engine, Air chamber. F. Lang. 2,080,139; May 11.
Direct-current generator. H. E. J. Langkau. 2,080,388; May 11.
Direction finding. W. Kunze. 2,079,620; May 11.
Dish, Butter. A. Lowenfels. 2,080,283; May 11.
Dispensable device. E. H. Philippi. 2,080,092; May 11.
Dispenser: *See*—
Soap dispenser.
Dispenser. G. A. Maguire. 2,079,744; May 11.
Dispensing and measuring apparatus. W. Burchenal. 2,079,898; May 11.
Display container, Collapsible. C. J. Bacon. 2,080,105; May 11.
Display device. E. B. Duell. 2,080,119; May 11.
Display means. F. L. Lownmaster. 2,080,325; May 11.

Distillation process for the purification of alcohols. P. J. Roelfsema. 2,080,064; May 11.
Doors and the like, Automatically operating garage. O. Mowers and P. F. Piepenbrook. 2,079,919; May 11.
Double action two cycle motor. L. H. Hinrichs. 2,080,313; May 11.
Draft regulator. D. Jones. 2,079,804; May 11.
Drill. C. A. Dean. 2,080,116; May 11.
Drive, Variable speed. L. Maurer. 2,080,145; May 11.
Drive, Variable speed belt. E. J. Kingsbury. 2,080,319; May 11.
Drying system and method. D. D. Peebles. 2,080,059; May 11.
Duplex container. W. A. Ringler. 2,079,815; May 11.
Dyes of the cyanine type, Production of. J. D. Kendall. 2,080,049; May 11.
Dyestuff, Azo. M. Kappeler. 2,080,209; May 11.
Earth and product thereof, Treating naturally active. F. W. K. Hartshorne. 2,079,854; May 11.
Edge-grinding machine. N. H. Klages. 2,080,280; May 11.
Elastic plug. G. Donadon, M. Cardino, and A. Berio. 2,080,201; May 11.
Electric battery. A. Rudolf. 2,080,340; May 11.
Electric lamp. A. E. Grant. 2,079,801; May 11.
Electric outlet. N. Abramson. 2,080,247; May 11.
Electric relay. A. M. Hasley. 2,080,356; May 11.
Electric screen. H. Ward. 2,080,242; May 11.
Electrical-analysis-method. T. Zuschlag. 2,079,645; May 11.
Electrical chucking mechanism for multiple spindle automatic chucking machines. C. W. Simpson. 2,079,637; May 11.
Electrical protective system. L. K. Swart. 2,079,723; May 11.
Electricity, Distribution of. L. A. Sharp. 2,079,636; May 11.
Electrode. J. M. Boe. 2,080,390; May 11.
Electrode for gas-filled tubes, Control. H. M. Smith. 2,080,235; May 11.
Electron discharge tube. W. E. Kuhle, D. Prinz, and F. Herriger. 2,079,809; May 11.
Electron discharge tube. K. Steimel. 2,080,098; May 11.
Electroplating bath composition and producing the same. R. Cinamon. 2,079,842; May 11.
Embossing. H. Jenett. 2,080,276; May 11.
Engine: *See*—
Diesel engine.
Internal combustion engine.
Engine. V. W. Kliesrath. 2,079,912; May 11.
Engines, Controlling internal combustion aircraft. E. Dodson. 2,079,958; May 11.
Engraving, Process and apparatus for photoelectric. W. C. Speed. 2,079,970; May 11.
Ensilage cutter. F. J. Bullock. 2,079,838; May 11.
Esters from olefines, Manufacture of. H. S. Davis and A. W. Francis. 2,079,652; May 11.
Ethers and producing same, Unsaturated. G. J. Berohet. 2,079,758; May 11.
Esters of polyarylacetic acids and making the same, Basic. K. Miescher and K. Hoffman. 2,079,962; May 11.
Exercising machine. E. J. Clem. 2,079,594; May 11.
Explosive mixture containing tetraacetate of pentaerythrite. P. Parodi-Delfino. 2,079,792; May 11.
Extractor: *See*—
Staple-extractor.
Extrusion apparatus. J. H. Fridén. 2,079,905; May 11.
Eyecup and dispensing means, Combined. M. H. Harris. 2,080,268; May 11.
Eyeglass construction. G. E. Nerney. 2,079,964; May 11.
Eyeglass frame. E. Levigton. 2,080,282; May 11.
Fabric: *See*—
Knitted fabric.
Fabric and preparing same. W. W. Heckert. 2,080,043; May 11.
Fabric guiding and uncurling device. J. F. Michler. 2,080,376; May 11.
Fan, Folding electric. C. W. Le Velle. 2,079,942; May 11.
Fastener: *See*—
Window fastener.
Fastener or holder, Cord. F. W. Steinacker. 2,080,153; May 11.
Fastener sliders, Making separable. G. Sundback. 2,079,722; May 11.
Fastening device for folders. D. E. Hunter and R. G. Bourden. 2,079,740; May 11.
Fastening device, Windshield cleaner. T. J. Smulski. 2,079,881; May 11.
Fiberboard. J. N. Devereux. 2,080,031; May 11.
Fiber separating machine. D. E. Patterson. 2,079,661; May 11.
Fibrous compound of thermoplastic rubber derivatives. J. A. Merrill. 2,080,375; May 11.
Filling machine. R. B. Bagby. 2,080,298; May 11.
Film developing machine. R. L. Gelb. 2,079,849; May 11.
Film feeding device. E. W. Kellogg. 2,080,279; May 11.
Film preserving package. S. E. Sheppard and J. J. Schmitt. 2,080,066; May 11.
Film splicing apparatus. C. J. Hughey. 2,080,046; May 11.
Filter: *See*—
Air filter.
Fluid filter.
Oil filter.
Filter. F. J. Wood. 2,079,755; May 11.
Filter. R. S. Yoder and R. E. Wood. 2,080,024; May 11.
Fire control, Apparatus for. C. H. Morgan. 2,079,625; May 11.
Fire extinguisher holder, Chemical. J. E. Rumfield. 2,080,011; May 11.
Fire extinguishing apparatus. A. B. Phister. 2,079,924; May 11.
Fireplace heater. G. Limoni. 2,080,323; May 11.
Fishhook. H. M. Stoner. 2,080,238; May 11.
Flaps, Laying channel. H. Gordon. 2,079,705–6; May 11.
Flesh from chitin material, Freeing edible crustacean. E. C. Gibson. 2,080,263; May 11.
Float conveyer. H. R. Rea. 2,080,216; May 11.
Floor scrubbing, brushing, and polishing machine. H. L. Myers. 2,079,946; May 11.
Flow of pulsating fluid flow streams, Automatically modifying the. W. A. Whatmough. 2,080,293; May 11.
Flow-responsive means for fluid-flow apparatus. E. E. Harper. 2,080,267; May 11.
Fluid filter. R. J. Kehl. 2,079,807; May 11.
Fluid indicator. G. E. Thomas. 2,079,699; May 11.
Fluid pressure control means. H. W. Snyder. 2,079,666; May 11.
Fluids, Method and apparatus for heating. L. de Florez. 2,080,221; May 11.
Fluids, Recovering well. J. P. Walker and E. V. Foran. 2,080,351; May 11.
Folding display. H. A. Ziemmerman. 2,080,025; May 11.
Folding table. S. M. Swensson. 2,079,639; May 11.
Font of type. O. W. Pendergast. 2,080,333; May 11.
Food products, Method and apparatus for refrigerating. M. T. Zarotschenzeff. 2,080,103; May 11.
Foot massaging or exercising device. H. H. Illch. 2,080,208; May 11.
Footage indicator for film magazines. J. Mihalyi. 2,080,086; May 11.
Frame: *See*—
Eyeglass frame.
Fuel and synthetic resins, Making antiknocking motor. C. Ellis. 2,079,607; May 11.
Fuel economizer. A. C. Ray. 2,080,229; May 11.
Fuel feeding system for motor vehicles. E. C. Horton. 2,079,858; May 11.
Fuel injection pump. R. E. Olin. 2,079,659–60; May 11.
Fuel injection pump. W. L. Scribner. 2,079,821; May 11.
Fuel pump. E. A. Rockwell. 2,080,391; May 11.
Fuel pumping apparatus. E. A. Rockwell. 2,080,392; May 11.
Fuel saving device for internal combustion engines. L. J. Brice. 2,080,302; May 11.
Fuels, Gasifying liquid hydrocarbon. E. Rector. 2,079,632; May 11.
Fur, Carroting. H. O. Kauffmann. 2,079,860; May 11.
Furnace: *See*—
Metallurgical induction furnace.
Furnace wall, furnace-gas baffle plate, and the like. B. Bělohlávek. 2,079,982; May 11.
Gainer mechanism for winding machines. H. R. Blair. 2,079,730; May 11.
Garage door holder. A. Schneider. 2,080,097; May 11.
Garbage receptacle. P. N. Battin. 2,079,592; May 11.
Garment, Lady's. F. M. Mirsky. 2,079,656; May 11.
Garment, Shampoo. S. J. Brandstein. 2,080,107; May 11.
Gases, Collecting exhaust. W. J. Willenborg. 2,080,102; May 11.
Gasoline, Catalytic treatment of. L. H. Fitch, Jr., and F. E. Frey. 2,079,934; May 11.
Gate construction, Roller. J. J. Ring. 2,080,063; May 11.
Gauge: *See*—
Bourdon tube gauge.
Pressure gauge.
Gear: *See*—
Landing gear.
Reversing valve gear.
Gear-case cleaning apparatus. J. K. Delano. 2,079,989; May 11.
Gear for vehicles, Running. L. M. Francis. 2,080,123; May 11.
Gear shifting device, Fluid pressure operated. D. F. Linsley. 2,079,654; May 11.
Gear transmission, Helical sliding. C. D. Peterson. 2,080,091; May 11.
Generator: *See*—
Direct-current generator.
Vaporizing generator.
Germicidal composition containing alkyl phenols, Aqueous. R. Schuler. 2,079,772; May 11.
Glass composition. K. Fuwa and F. Suzuki. 2,080,262; May 11.
Glass, Making safety. B. J. Dennison. 2,079,701; May 11.
Glass, mirror, and the like, Decorated. J. M. Powell. 2,080,337; May 11.
Glyroid gland, Preparation of the. H. A. Holaday and E. D. Perry. 2,080,132; May 11.
Golf ball recoating. M. F. Holt and S. N. Lipowski. 2,079,615; May 11.

Governor, Speed. D. F. Warner. 2,080,243; May 11.
Grain drill screen. W. M. Byers. 2,079,839; May 11.
Grain weighing apparatus. L. G. Hauk. 2,079,802; May 11.
Grass trimmer. J. M. Hosier. 2,080,315; May 11.
Grid, Protected. R. H. Varian. 2,079,884; May 11.
Grinding apparatus. E. Mühlbacher. 2,080,089; May 11.
Grinding wheel, Reenforced. C. Wolf. 2,080,156; May 11.
Gripper mechanism for printing presses. H. M. Barber. 2,080,249; May 11.
Guard for fish lures, etc., Weedless. O. Valasek. 2,079,883; May 11.
Guard for sprinkler heads, Grass. A. H. Schumacher. 2,080,341; May 11.
Guard, Snow. D. Levow. 2,079,768; May 11.
Gun, Spray. C. S. Fisher. 2,079,933; May 11.
Hair, Method and apparatus for waving. H. Bonat. 2,079,983; May 11.
Hair waving pad. J. C. May. 2,080,085; May 11.
Hand brake. R. W. Burnett. 2,079,984; May 11.
Handle and the like, Door. H. M., H. R., and E. H. L. Hart. 2,080,174; May 11.
Hanger: *See*—
Hat hanger.
Harvester and cultivator, Peanut. C. S. Powell. 2,080,336; May 11.
Hat and the manufacture thereof. E. Siegel. 2,080,382; May 11.
Hat hanger. A. R. Neale. 2,079,948; May 11.
Headlight. J. S. Conley. 2,079,732; May 11.
Heater: *See*—
Automobile heater.
Fireplace heater.
Nursing bottle heater.
Water heater.
Heating system. E. A. J. Koch. 2,079,808; May 11.
Hinge: *See*—
Jewelry hinge.
Hob grinding machine. E. L. Ackley. 2,079,785; May 11.
Holder: *See*—
Candle holder.
Card holder.
Fire extinguisher holder.
Garage door holder.
Mop holder.
Piezo-electric crystal holder.
Hook: *See*—
Choker hook.
Hook latch for sliding doors. G. W. Apple. 2,080,000; May 11.
Horseshoe, Pitching. W. D. Frazier. 2,079,736; May 11.
Hose, Gasoline. R. Berkowitz. 2,079,598; May 11.
Hose supporting accessory. R. D. Parry. 2,080,058; May 11.
Hosiery and manufacturing the same, Right and left full-fashioned-foot. P. R. Uhlig. 2,080,349; May 11.
Hosiery drying and stretching device. E. A. Logan. 2,080,324; May 11.
Hot water supply regulator. L. Beeman. 2,079,650; May 11.
Hydraulic device for the transmission of movement. D. Sensaud de Lavaud. 2,080,199; May 11.
Hydraulic machine. G. A. Jessop and T. Norbom. 2,079,766; May 11.
Hydraulic remote control. H. D. Church. 2,079,684; May 11.
Hydrocarbons, Converting. F. E. Frey. 2,079,935; May 11.
Hydroxide, Production of ferric. D. M. Crist. 2,079,602; May 11.
Ice converter, Dry. P. C. McAbee. 2,079,769; May 11.
Igniter for blasting explosive devices, Safety. J. Taylor and W. Young. 2,079,777; May 11.
Igniter for gas burners. O. J. Leins. 2,080,141; May 11.
Illuminated sign. R. Nauth. 2,079,714; May 11.
Illuminating systems employing polarized light, Device for use in. E. H. Land. 2,079,621; May 11.
Indicator: *See*—
Fluid indicator.
Insulated electrical conductor. G. S. Lobdell. 2,079,943; May 11.
Internal combustion engine. J. T. Gibson and N. F. Garrett. 2,080,126; May 11.
Iron and work moistener, Combined hand. S. Kuno. 2,080,175; May 11.
Iron, Producing sponge. J. M. Avery. 2,080,028; May 11.
Jewel setting. H. Jaeckel. 2,080,317; May 11.
Jewelry hinge. E. L. Johnson and O. Lundsten. 2,079,711; May 11.
Jewelry, Interlock. O. F. Placco. 2,080,060; May 11.
Joint: *See*—
Universal joint.
Joint sealing device. E. S. Clark. 2,079,731; May 11.
Journal box lubricating pad. G. W. Ditmore. 2,079,734; May 11.
Keeper ring. C. H. Schnorr. 2,079,818; May 11.
Kick-off operating mechanisms. H. G. R. Bennett. 2,079,833; May 11.
Knitted fabric. W. A. Zieve. 2,079,670; May 11.
Knitted machine, Circular. M. Nebel. 2,080,377; May 11.
Knitting machine for producing run-resist barrier stitches in knitted wearing apparel, Straight. G. Gastrich. 2,080,223; May 11.
Knob, Radio. G. D. Lindstrom. 2,080,361; May 11.
Knot tying machine for rigid bundles, Automatic. F. L. Parker. 2,080,149; May 11.
Label gauging device. J. W. House. 2,079,908; May 11.
Ladles, Manufacturing M. W. Goldberg. 2,079,765; May 11.
Lamp: *See*—
Electric lamp.
Projection lamp.
Lamps and tubes, Making. G. W. Bain and W. S. Brian. 2,079,893; May 11.
Landing gear. C. G. Seyferth. 2,080,342; May 11.
Latch. E. C. Wilson. 2,080,218; May 11.
Latch means for handbag frames. D. Karron. 2,079,806; May 11.
Lathe. F. E. O. Hoppe. 2,080,207; May 11.
Lettering guide. H. C. Rose. 2,080,093; May 11.
Lid, Container. H. Roesinger. 2,079,698; May 11.
Lift, Vehicle. J. D. Cochin. 2,080,114; May 11.
Light: *See*—
Beacon sun ray light.
Light projector and the beam produced thereby, Cooling a. D. W. Everett. 2,080,120; May 11.
Light transmitting means. J. Frei, Jr. 2,080,259; May 11.
Line casting machine. L. Geisert. 2,080,309; May 11.
Lining, Tunnel. A. E. Wilkoff. 2,080,020; May 11.
Liquids, Apparatus for degasifying. S. T. and J. A. Powell. 2,080,151; May 11.
Load indicator for testing machines, Maximum. H. N. Cox. 2,080,165; May 11.
Loading coil case. J. E. Ranges. 2,079,697; May 11.
Lock mechanism. W. F. Diesel. 2,079,702–3; May 11.
Lock plug construction. P. W. Olson. 2,079,628; May 11.
Locking device for motor vehicles. J. Gonzalez. 2,079,992; May 11.
Locking system for a selective denomination registering and printing machine. J. Q. Finrock and F. P. Sager. 2,079,704; May 11.
Locomotive boiler. C. G. Hawley. 2,080,269; May 11.
Loom quill can. J. C. Paddock. 2,080,331; May 11.
Loom shuttle. H. E. Goff. 2,079,799; May 11.
Loop forming mechanism for straight knitting machines. A. Bay and P. Schmidt. 2,080,353; May 11.
Lubricant. P. J. Wiezevich. 2,079,783; May 11.
Machine for applying pressure to shoe bottoms. S. J. Finn. 2,080,036–7; May 11.
Machine for feeding and applying inserts to can-cover insets. N. L. Eudaly and H. H. Vollner. 2,080,039; May 11.
Machine for milling turbine blades. E. G. Roehm and W. D. Archea. 2,079,717; May 11.
Machine for pressing soles on shoes. S. J. Finn. 2,080,035; May 11.
Machine for recording textile constructions or designs. G. Bell. 2,079,674; May 11.
Machine for tempering or moistening products. R. B. McKinnis. 2,080,327; May 11.
Machine for the manufacture of paper. A. E. H. Fair. 2,079,846; May 11.
Marine construction, Apparatus for. E. M. Wichert. 2,079,889; May 11.
Mash, Treating. E. Mayer. 2,080,287; May 11.
Massager, Tooth brush. H. G. Arnold. 2,079,728; May 11.
Mat, Dice. S. Gessler. 2,079,850; May 11.
Material of organic derivatives of cellulose, Dyed. C. Dreyfus, G. W. Miles, and H. Platt. 2,080,254; May 11.
Materials, Testing. W. M. Cohn. 2,079,900; May 11.
Materials, Treatment of. W. A. Dickie and E. L. Greenwood. 2,079,604; May 11.
Mausoleum. J. B. Sinner. 2,080,190; May 11.
Measuring and dispensing machine. N. B. Henley. 2,080,311; May 11.
Meat chopping machine. J. R. Yotta. 2,079,892; May 11.
Metal, Apparatus for the conversion of. R. S. Quinn. 2,079,872; May 11.
Metal catalyst, Production of a noble. R. J. Byrkit, Jr. 2,079,840; May 11.
Metal compounds of disazo-dyestuffs, Complex. F. Straub and H. Mayer. 2,080,191; May 11.
Metal, Shaping. J. G. C. Mantle. 2,080,211; May 11.
Metals, Inhibiting corrosion of. A. F. Benning, L. G. Benton, and R. G. Clarkson. 2,080,299; May 11.
Metals, Method and means for the recovery of precious. J. Allingham. 2,079,597; May 11.
Metallurgical addition agent and process. A. C. Davidson. 2,079,901; May 11.
Metallurgical induction furnace. J. C. Harris, Jr. 2,079,610; May 11.
Metalworking machine. G. F. Yager and O. J. Heath. 2,080,158; May 11.
Meter: *See*—
Volumetric meter.
Meter for children, Dietetic. A. Mafra. 2,080,210; May 11.
Meter for ships, Latitude and longitude. H. C. Reymond. 2,080,186; May 11.
Metering system. J. O'D. Shepherd. 2,079,721; May 11.
Mixing valve. J. Krieger. 2,079,743; May 11.
Moisture teller. H. W. Dietert. 2,080,108; May 11.
Molded products and making same. G. C. Howard and L. T. Sandborn. 2,080,077; May 11.
Molding, Bead. O. J. Crowe. 2,080,106; May 11.
Molding composition and making same. W. H. Mason, R. M. Boehm, and W. E. Koonce. 2,080,078; May 11.
Molding machine. J. A. Rathbone. 2,079,631; May 11.

Molybdenum from wulfenite ore, Extracting. E. K. Judd. 2,079,805; May 11.
Mop holder. J. L. Heider. 2,079,709; May 11.
Mordant, Metal etching. E. S. Truitt. 2,080,348; May 11.
Motor: *See*—
Double action two cycle motor. | Outboard motor
Vibrating motor.
Motor. L. Hammond. 2,080,371; May 11.
Motorcar. M. P. Blomberg. 2,079,748; May 11.
Mounting bracket. H. J. Funk. 2,080,261; May 11.
Mounting for oversized reels on projectors. E. C. Fritts. 2,080,040; May 11.
Mounting unit, Resilient. H. D. Geyer. 2,079,798; May 11.
Mouthpiece, Smoker's. C. W. Harrison. 2,079,961; May 11.
Mower, Lawn. D. J. Diel. 2,080,354; May 11.
Mower, Lawn. W. H. Manning. 2,079,945; May 11.
Mower, Lawn. E. H. Worthington. 2,079,979; May 11.
Muffling device for compressors. C. Steenstrup. 2,080,236; May 11.
Musts containing acetone, ethyl alcohol, and butyl-alcohol, Apparatus and process for the continuous distillation-rectification of. E. A. Barbet. 2,080,194; May 11.
Noise in recording sound, Eliminating background. R. G. Fear. 2,079,959; May 11.
Nozzle for internal combustion engines, Injection. K. Schwaiger. 2,080,189; May 11.
Nozzle, Spray. H. Holmboe. 2,080,206; May 11.
Nursing bottle heater, Baby's. A. T. Harvey. 2,079,611; May 11.
Nut and making same, Self-locking. M. B. Morgan. 2,079,746; May 11.
Nut securing device. E. W. Mitchel. 2,079,917–18; May 11.
Objects, Apparatus for the recovery of. G. Quaglia. 2,080,184; May 11.
Oil burner. J. H. McIlvaine and P. I. Hollman. 2,080,289; May 11.
Oil, Cracking petroleum. C. P. Dubbs. 2,080,118; May 11.
Oil filter. H. G. Kamrath. 2,079,910; May 11.
Oil, Production of high cetene number Diesel fuel oil. V. Voorhees. 2,079,887; May 11.
Oil refining, Lubricating. P. C. Keith, Jr., and H. O. Forrest. 2,079,911; May 11.
Oil refining process. V. Voorhees. 2,079,886; May 11.
Oil, Soluble. J. B. Holtzclaw and C. Winning. 2,079,803; May 11.
Oil-wax mixtures, Treatment of. J. A. Alexander. 2,079,596; May 11.
Oils, Conversion of hydrocarbon. L. G. Story. 2,079,776; May 11.
Oils, Deodorizing lubricating. A. A. Wells. 2,079,782; May 11.
Oils, Lowering pour points of mineral. F. R. Moser. 2,080,088; May 11.
Oils, Preparing lubricating. V. Voorhees. 2,079,885; May 11.
Oils, Refining cracked. M. Mizuta and T. Yoshimura. 2,080,087; May 11.
Oiler for internal combustion engines, Cylinder. H. A Carson. 2,079,676; May 11.
Oiling device. W. E. Trumpler. 2,080,101; May 11.
Opener, Can. C. L. Mumaugh. 2,080,090; May 11.
Opener, Package. F. H. Lawrence and F. I. Valentine. 2,080,080; May 11.
Optical instrument. E. Weisse. 2,080,352; May 11.
Organic compounds, Treatment of. C. D. Lowry, Jr., and C. G. Dryer. 2,080,142; May 11.
Organic products, Treatment of. C. J. Merriam and R. Wiles. 2,080,179; May 11.
Outboard motor. H. W. Price. 2,079,871; May 11.
Output regulator for motor generators. J. W. Fitz Gerald. 2,080,257; May 11.
Overflow preventing apparatus. W. H. Finley. 2,080,073; May 11.
Package and sealing, Sealed. A. Podel. 2,079,813; May 11.
Packaging device. M. S. Strasser. 2,080,099; May 11.
Packing ring. A. W. Wenzel. 2,079,977; May 11.
Pad: *See*—
Hair waving pad.
Journal box lubricating pad.
Pad for bedsprings, Noiseless and antislipping. R. Weisman. 2,080,068; May 11.
Paddle wheel. H. F. Shaw and W. C. Swartz. 2,079,823; May 11.
Paint, Metallic. U. C. Tainton. 2,080,346; May 11.
Paper container. H. J. Reiter. 2,079,875–6; May 11.
Paper, Manufacture of. L. B. Rogers. 2,080,362; May 11.
Paper, Treating. T. Hans. 2,079,993; May 11.
Paper, Washable. R. A. Veet. 2,079,780; May 11.
Parts of apparatus, Method and devices for locating and machining. H. L. Cook. 2,079,791; May 11.
Pasty or liquid substances, Device for dispensing. H. Jezler. 2,080,134–5; May 11.
Pen assembly, Universal recorder. R. W. Ross and S. H. Seberhagen. 2,080,065; May 11.
Pen points, Preparing. K. K. Ledig. 2,080,140; May 11.
Petroleum distillates, Treatment of. G. H. von Fuchs and L. E. Border. 2,080,365; May 11.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,079,762–4; May 11.
Phonographic disks, Apparatus for manufacturing. A. B. St. Hilaire. 2,079,972; May 11.
Phosphate source for acid manufacture, Purification of. A. H. Fiske. 2,079,847; May 11.
Photographic developer containing an antifogging agent. C. J. Staud and M. L. Dundon. 2,080,017; May 11.
Photographic emulsions, Hardening. F. L. White. 2,080,019; May 11.
Photographic emulsions, Sensitization of. J. D. Kendall. 2,080,050; May 11.
Photometric apparatus. L. R. Martin. 2,080,055; May 11.
Picture apparatus control mechanism, Motion. O. Wittel. 2,080,021; May 11.
Picture production. J. P. High. 2,080,312; May 11.
Pie package. G. S. Frost. 2,080,125; May 11.
Piece of reenforced concrete. E. Freyssinet and J. Seailles. 2,080,074; May 11.
Piezoelectric crystal holder. R. Bechmann and W. Schneider. 2,079,894; May 11.
Piston. H. Mahle. 2,080,286; May 11.
Piston. J. C. Young. 2,080,297; May 11.
Piston, Pump. H. W. Millmine. 2,079,998; May 11.
Pitman, Self oiling. F. Cooper. 2,079,987; May 11.
Plaster bases and the product thereof, Making. W. F. Schulz. 2,079,819; May 11.
Plaster wallboard and making it. C. K. Roos. 2,080,009; May 11.
Plastic and method of curing. G. S. Lobdell. 2,079,944; May 11.
Plastic handling machinery. S. Schiff. 2,080,012; May 11.
Plastics, Cementing cellulosic. J. F. Walsh and A. F. Caprio. 2,079,641; May 11.
Plates, Manufacture of hardened or tempered glass. R. Magnien. 2,080,083; May 11.
Plating by thermal evaporation. R. C. Williams. 2,079,784; May 11.
Pliers and screw driver, Combined. A. G. Koon. 2,079,863; May 11.
Plug: *See*—
Elastic plug.
Pole for drying machines and the like, Conveyer. T. Allsop and W. W. Sibson. 2,080,027; May 11.
Power-operated mechanism. A. H. Buckley. 2,079,837; May 11.
Press: *See*—
Printing press.
Pressing machine. A. Matthews. 2,080,084; May 11.
Pressure control mechanism. H. Walker. 2,079,781; May 11.
Pressure gauge. McKinley, C. W., E. F. Bacon, and R. F. Clason. 2,079,913; May 11.
Pressure hammer absorber. A. J. Zoeller. 2,079,829; May 11.
Print block. T. Pesci. 2,079,870; May 11.
Printing and recording machine, Combined. R. G. Fear. 2,079,960; May 11.
Printing press. W. J. Nightingale. 2,079,627; May 11.
Projectile. J. H. Harris. 2,079,937; May 11.
Projection lamp. E. W. Kellogg. 2,080,278; May 11.
Propeller. W. Lily. 2,080,224; May 11.
Protecting device for water closets. W. Volkmann and W. Kleist. 2,079,975; May 11.
Protector: *See*—
Trigger protector.
Protein-iodine compounds, Producing. W. P. Fitzgerald. 2,079,797; May 11.
Pulp molding. G. W. Swift, Jr. 2,079,667; May 11.
Pulpstone. H. W. H. Beth. 2,079,787; May 11.
Pump: *See*—
Fuel injection pump. | Well pump.
Fuel pump.
Pump tubing, Device for capping. F. M. Owen. 2,079,922; May 11.
Punch machine for duplicate cards, Verifying. W. K. Youngberg. 2,080,192; May 11.
Push bench method and apparatus. S. Smith. 2,080,344; May 11.
Pusher, Pipe. J. H. Abramson and E. C. Swanson. 2,080,104; May 11.
Radiator shield securing means. W. S. Thompson. 2,080,347; May 11.
Radio communication, Multiplex. W. A. Loth and A. J. Givelet. 2,080,081; May 11.
Radio receiver. N. S. Markus and M. J. O. Strutt. 2,079,656; May 11.
Radio receiving apparatus. D. Domizi. 2,080,253; May 11.
Radio receiving apparatus. E. Toth and W. H. Cooper. 2,079,752; May 11.
Rail for Venetian blinds, Bottom. G. A. Grassby, Jr. 2,079,852; May 11.
Reading machine. B. A. Fiske. 2,080,172; May 11.

Rebound reducing means for car-truck springs. C. R. Busch. 2,079,985; May 11.
Receptacle: *See*—
Garbage receptacle.
Recorder. H. V. Clifton. 2,079,957; May 11.
Records, Storing and selecting. G. Tauschek. 2,080,100; May 11.
Reducer for threaded follower pipe joints or couplings. H. T. Hirst. 2,080,271; May 11.
Reel. H. R. Geer. 2,080,355; May 11.
Refrigerating apparatus. B. B. Geyer. 2,080,369; May 11.
Refrigerating apparatus. J L. Gibson. 2,080,310; May 11.
Refrigerating apparatus. A. A. Kucher. 2,080,358; May 11.
Refrigerating apparatus. A. A. McCormack. 2,080,288; May 11.
Refrigerating apparatus. O. M. Summers. 2,080,239; May 11.
Refrigerating machine, Absorption. L. Stark. 2,080,016; May 11.
Refrigerating system. W. Fourness. 2,079,687; May 11.
Refrigeration system, Absorption. H. K. Bergholm. 2,080,195; May 11.
Regulator: *See*—
Draft regulator.
Hot water supply regulator.
Relief valve. J. T. Marvin. 2,080,373; May 11.
Resin and producing same, Artificial. I. Rosenblum. 2,079,926; May 11.
Resinous coating compositions. H. H. Hopkins, H. L. Plummer, and L. F. Stone. 2,079,616; May 11.
Resins, Producing. A. A. Drummond and H. H. Morgan. 2,079,606; May 11.
Resins, Synthetic. H. S. Rothrock. 2,079,633; May 11.
Resistance devices, Making. R. O. Grisdale. 2,079,690; May 11.
Respiration, Apparatus for producing artificial. B. C. H. Sahlin. 2,079,952; May 11.
Reversing mechanism for dry gas meters. W. Holm. 2,080,044; May 11.
Reversing valve gear. H. A. Finke. 2,080,203; May 11.
Rig drilling control, Rotary. A. H. Carson, R. O. Anderson, and C. D. Davenport. 2,079,841; May 11.
Ring: *See*—
Keeper ring. | Packing ring.
Rivet, Explosion. K. and O. Butter. 2,080,220; May 11.
Roller for lithographic presses, Dampening. G. G. Goedike. 2,080,127; May 11.
Roller shoulder bit. C. A. Dean. 2,080,117; May 11.
Rope manufacture, Wire. M. W. Reed. 2,079,873; May 11.
Rope structure. M. W. Reed and E. J. Reardon. 2,079,874; May 11.
Rotor, Magnetic. T. Tognola. 2,080,018; May 11.
Rubber article, Reenforced. J. L. Bitter. 2,080,002; May 11.
Rupture pad cover. E. C. Bishelany. 2,079,675; May 11.
Safety device. J. Sneddon. 2,080,015; May 11.
Salt of copper aesenite and a copper salt of an unsaturated fatty acid and making the same, Double. F. E. Dearborn. 2,080,004; May 11.
Salts, Hydroxycycloalkylammonium. H. S. Holt. 2,079,613; May 11.
Sanding machine. W. D. R. Stovall. 2,080,345; May 11.
Sawing apparatus. R. Traut. 2,079,974; May 11.
Scoop, Vehicular. J. W. Patterson. 2,079,695; May 11.
Screen: *See*—
Electric screen. | Window screen.
Grain drill screen.
Screw for wringers, Pressure adjusting. W. L. Kauffman, II. 2,080,047; May 11.
Seal for string, ribbon, or the like. S. Hoornstra. 2,079,938; May 11.
Sedimentation apparatus. C. E. Keefer. 2,080,137; May 11.
Separator: *See*—
Air and other separator. | Cream separator.
Sewing machine. A. S. Riviere. 2,080,338; May 11.
Sewing machine and method. M. Blumenkrantz. 2,079,834; May 11.
Sewing machines, Needle cooling device for. H. J. Le Vesconte. 2,080,322; May 11.
Sharpener, Knife. G. R. Wood. 2,079,891; May 11.
Sharpener, Safety razor blade. G. L. Robertson. 2,080,339; May 11.
Shaving heads, Making. J. Schick. 2,080,096; May 11.
Sheet feeding apparatus for printing machines. T. Rowlands and J. Shuttleworth. 2,080,010; May 11.
Sheet surfacing materials, Method and apparatus for manufacture of. A. C. Fischer. 2,080,386; May 11.
Sheets in loose leaf systems, Means to prevent fraudulent manipulation of. R. F. Major and J. E. Farner. 2,079,624; May 11.
Shoe display stand. S. M. Durling. 2,080,033; May 11.
Shoe machine. O. R. Haas. 2,080,076; May 11.
Shoemaking. C. E. Knapp. 2,080,320; May 11.
Shoes, Making. J. Prosper. 2,079,716; May 11.
Shower head. L. E. Gray. 2,080,264; May 11.
Shut-off for burners, Automatic safety. O. Congdon. 2,080,385; May 11.
Shutter, Ventilating. C. J. Rindt. 2,079,967; May 11.
Sign: *See*—
Illuminated sign.
Sign and mounting the same, Luminous. W. Gordon, R. Nauth, and K. Kniep. 2,079,707; May 11.
Signal: *See*—
Traffic control signal.
Signal means, Wigwag. J. D. Keith. 2,079,861; May 11.
Silk, Apparatus for packaging artificial. F. Rathgeber. 2,080,185; May 11.
Silk, Treatment of artificial. W. Bakker. 2,080,193; May 11.
Sill, Center. W. F. Kiesel, Jr. 2,079,862; May 11.
Slicer, Fruit and vegetable. E. H. Taylor and E. L. Pardue. 2,080,383; May 11.
Sludge removal apparatus. V. E. McCoy. 2,080,146; May 11.
Sludge removal apparatus. V. E. McCoy and R. W. Anderson. 2,080,147; May 11.
Soap dispenser. H. W. Smith. 2,080,343; May 11.
Socket. D. I. Reiter. 2,080,379; May 11.
Socket, Lamp. A. E. Grant. 2,079,800; May 11.
Soil moving implement, Reversible. E. V. Collins. 2,079,595; May 11.
Solder and process and apparatus for producing same, Self-fluxing. E. Jacobson. 2,079,710; May 11.
Soles, Device for making composite shoe. H. V. Weil. 2,079,669; May 11.
Soles, Treating. F. N. La Chapelle. 2,079,712; May 11.
Solvent recovery in dewaxing operations. H. L. Duffy. 2,080,222; May 11.
Sound insulating structure. P. E. Sabine. 2,079,878; May 11.
Sound reproducer. C. A. Lovell. 2,079,693; May 11.
Sound reproducing apparatus. W. H. Hutter. 2,080,275; May 11.
Soups, Quickly prepared raw vegetable. H. E. Allen. 2,079,649; May 11.
Speed cup balancing machine. R. De Witt. 2,079,902; May 11.
Speed transmission, Variable. W. P. Schmitter. 2,080,152; May 11.
Spikes, Drawing railway. T. Maney. 2,079,745; May 11.
Sponges, Drying. G. T. Hart, Jr. 2,079,708; May 11.
Spool for winding film through cameras. C. Z. Case. 2,080,072; May 11.
Squeegee, Windshield. C. Gulotta. 2,080,129; May 11.
Stand: *See*—
Shoe display staud.
Stand. W. C. Harper. 2,080,205; May 11.
Staple-extractor. H. G. Allen and H. A. Bickford. 2,079,672; May 11.
Stapling and tacking machine. A. L. Hansen. 2,080,130; May 11.
Stapling or wire-stitching machine. H. G. Allen. 2,079,673; May 11.
Stateroom and accommodation enclosure for ships and the like, G. G. Sharp. 2,079,635; May 11.
Station for ocean cables, Repeating. W. S. Gorton. 2,079,689; May 11.
Stay strips, Making box corner. P. T. Jackson. 2,080,006; May 11.
Steam generators, Method and apparatus for operating. O. B. Campbell. 2,079,986; May 11.
Steam heating control apparatus. J. T. Midyette, Jr. 2,079,915; May 11.
Steel, Making. C. B. Francis. 2,079,848; May 11.
Steel, Treating. R. S. Archer. 2,080,159; May 11.
Steels, Improving the physical properties of austenitic. P. D. Ffield. 2,080,367–8; May 11.
Steels, Welding chromium alloy. F. M. Becket and R. Franks. 2,080,001; May 11.
Step drilling unit, Hydraulic. H. F. Vickers and K. R. Herman. 2,079,640; May 11.
Stocking having strain absorbing zone with improved capacity to stretch. L. B. Herb. 2,079,738; May 11.
Stoker, Furnace. H. E. Preston. 2,079,696; May 11.
Stone quarrying machine. C. B. Lansing. 2,079,864; May 11.
Stove. B. B. Kahn and C. J. Hake. 2,079,618; May 11.
Stove, Camp. M. J. Brennan. 2,080,109; May 11.
Strap fastening. H. Bednall. 2,079,981; May 11.
Stretcher, Garment. F. L. Wilson. 2,079,726; May 11.
Strip in the formation of half bearings and the like, Apparatus for babbitting a continuous. C. W. Eggenweiler and W. J. Fiegel. 2,080,170; May 11.
Strip tensioning and threading device for writing machines. W. A. Pringle and C. J. Mannel. 2,080,061; May 11.
Stuffing box. E. L. Fleming. 2,080,121; May 11.
Sulphonation products of phosphatides, and preparing same, Water-soluble. G. Strauch. 2,079,973; May 11.
Sulphur, Production of. B. M. Carter. 2,080,384; May 11.
Sulphur from sulphur dioxide, Production of. R. Lepsoe. 2,080,360; May 11.
Sulphuric acid by the contact process, Manufacture of. F. Carl. 2,079,760; May 11.
Supercharger. C. D. Johnson. 2,080,079; May 11.

Superheterodyne receiver, High frequency. G. L. Grundmann. 2,080,128; May 11.
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Support for artificial lower legs. E. Blevens. 2,080,003; May 11.
Support for draperies, Ornamental. C. P. Henry. 2,080,270; May 11.
Surveying instrument. E. L. Estel. 2,079,795; May 11.
Suspension of railroad vehicles, Device ensuring rational. G. L. R. J. Messier. 2,080,180; May 11.
Swing, Glider. L. Larsen. 2,079,767; May 11.
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Switch clock combination, Electric. S. Moskal. 2,079,963; May 11.
Switch control device. E. Dobler and L. Holm. 2,080,306; May 11.
Switchgear, Electric. R. Paxton. 2,080,226; May 11.
Swivel. D. A. Murphy. 2,080,225; May 11.
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Tape cutting machine. J. H. Dale. 2,080,305; May 11.
Tape printing attachment for laundry marking machines. C. F. Miller. 2,070,056; May 11.
Telegraph exchange system. K. E. Fitch and F. S. Kinkead. 2,079,685; May 11.
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Telescoping extension. L. D. Waldron. 2,080,350; May 11.
Television transmission method. G. Schubert. 2,079,880; May 11.
Tell-tale device. D. C. Rockola. 2,080,231; May 11.
Testing and scoring device. H. J. and J. C. Peterson and H. H. Higginbottom. 2,080,150; May 11.
Textile fiber, Process and composition for printing. I. F. Chambers. 2,079,788; May 11.
Textile printing machine. W. T. Jenkins. 2,080,133; May 11.
Textile prints, Preparing. H. Platt. 2,079,629; May 11.
Textile testing machine. F. E. Bartell. 2,079,591; May 11.
Therapeutic device, Vibratory. F. A. Hickernell. 2,079,994; May 11.
Thermal power plant. J. Parlecka. 2,079,923; May 11.
Thermionic rectifier. E. F. Lowry. 2,080,284; May 11.
Thermostatic switch. H. Welrich. 2,080,244–5; May 11.
Thermostatic switch. J. W. Wright and E. H. Glinz. 2,080,070; May 11.
Thiazole compounds. G. Schrader. 2,079,927; May 11.
Thread cleaner. J. V. Polcha. 2,080,335; May 11.
Threading apparatus. G. C. Greenwood and R. Scholz. 2,079,853; May 11.
Timing system, Electric. B. B. Holmes. 2,080,273; May 11.
Tip for propelling pencils. K. Kressel. 2,080,372; May 11.
Tire beads, Apparatus for wrapping. F. J. Shook. 2,080,013; May 11.
Tobacco, Treating. E. F. Lyford. 2,079,997; May 11.
Tobacco treatment. P. La F. Magill. 2,079,623; May 11.
Tool: *See*—
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Cleaning tool.
Tube shaping tool.
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Tool. B. N. Bletso and C. O. Carlson. 2,080,030; May 11.
Tool for sugar beets, Hand blocking. W. Schluter. 2,079,879; May 11.
Tool organization, Machine. W. D. Archea. 2,079,700; May 11.
Tracer for hydraulically operated die sinking machines. R. D. Shaw. 2,079,720; May 11.
Track circuit apparatus. H. G. Witmer and C. M. Hines. 2,080,069; May 11.
Traffic control signal. C. B. Watson. 2,079,828; May 11.
Transformer. W. Dällenbach and G. Leischuer. 2,079,843; May 11.
Transformer. S. M. Lucas and C. H. Zierdt. 2,080,177; May 11.
Transmission. R. Chilton. 2,079,678–81; May 11.
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Transmission. H. S. Eberhard. 2,079,903; May 11.
Transmission. F. J. Joyce. 2,079,691; May 11.
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Transmission. C. W. Van Ranst. 2,079,724; May 11.
Transmission control. R. Chilton. 2,079,682; May 11.
Transom operator. J. V. Eichel, Jr. 2,080,307; May 11.
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Trigger protector. W. M. Drake. 2,080,202; May 11.
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Truck. A. H. Oelkers. 2,079,658; May 11.
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Truck, Hand. O. Schuetze. 2,079,719; May 11.
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Tube shaping tool. E. H. Sachleben. 2,080,095; May 11.
Tube spinning head. S. L. G. Knox. 2,079,619; May 11.
Tubing head. W. A. Abegg. 2,079,646; May 11.
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Turning and facing machine. G. F. Yager and O. J. Heath. 2,080,157; May 11.
Turning, facing, and threading tool. W. W. Vosper. 2,079,954; May 11.
Turntable, Ball bearing. A. C. Rasmussen. 2,079,663; May 11.
Typewriting machine. W. A. Dobson. 2,079,605; May 11.
Unit for bank protection. C. G. Smeaton and A. M. De Voursney. 2,079,824; May 11.
Universal joint. E. E. La Rose. 2,079,622; May 11.
Universal joint. F. W. Wood. 2,080,296; May 11.
Unvulcanized and vulcanized compositions. P. Stöcklin and E. Konrad. 2,080,363; May 11.
Utensil, Cooking. J. B. Fairbanks and R. W. Carlisle. 2,080,171; May 11.
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Mixing valve.
Relief valve.
Valve. E. E. Brosius. 2,079,896; May 11.
Valve assembly, Thermostatic. R. F. Peo. 2,079,869; May 11.
Valve for boilers, Automatic feed water. R. Mahler. 2,079,810; May 11.
Valve for oil burners, Control. P. I. Hollman. 2,080,272; May 11.
Valve for shock absorbers. E. F. Rossman. 2,079,771; May 11.
Valve for slush pumps and the like. W. A. Abegg. 2,079,647; May 11.
Valve regulation, Light. L. T. Goldsmith. 2,079,906; May 11.
Vaporizing generator. B. W. Tullis. 2,079,779; May 11.
Variable condenser. M. Osnus. 2,079,921; May 11.
Varnishes and synthetic resins, Synthetic resin. H. H. Morgan and A. A. Drummond. 2,079,626; May 11.
Vehicle. E. L. and R. E. De Vore. 2,079,844; May 11.
Vehicle. J. C. Renault. 2,079,814; May 11.
Vehicle, Motor. J. M. Christmann. 2,079,899; May 11.
Vehicle rocking machine. C. C. Calkins. 2,080,112; May 11.
Vehicle transmission, Motor. B. D. Woolley. 2,079,999; May 11.
Ventilating mechanism for toilet bowls. W. C. Cummings. 2,079,733; May 11.
Ventilator. H. Armstrong. 2,079,590; May 11.
Vessels, Making pressure. A. R. McAllister. 2,080,374; May 11.
Vibrating mechanism. H. Heymann. 2,079,653; May 11.
Vibrating motor. C. Jackson. 2,079,909; May 11.
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Volume control, Automatic. G. Mountjoy and S. W. Seeley. 2,079,657; May 11.
Volumetric meter. R. J. S. Pigott. 2,080,183; May 11.
Voting machine interlock for negative and affirmative ballots. A. F. Foehrenbach and R. F. Shoup. 2,079,686; May 11.
Vulcanizing apparatus. N. Van Cleef. 2,079,826; May 11.
Wallboard, Flexible. J. C. MacIldowie. 2,080,285; May 11.
Wall panel for railway cars. G. G. Gilpin. 2,080,005; May 11.
Water, Apparatus for distilling. R. E. Brown. 2,079,897; May 11.
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Water heater. H. J. Long. 2,080,007–8; May 11.
Water purifier, Electrical. F. G. Negus. 2,079,950; May 11.
Web and sheet controlling means. C. S. Crafts. 2,079,651; May 11.
Web, Apparatus for controlling a movable. G. R. Webber. 2,080,292; May 11.
Weed killer and fertilizer, Combined. W. Quinn. 2,080,378; May 11.
Welding apparatus. G. E. Mirfield. 2,079,916; May 11.
Welding, Apparatus for. J. H. Holan, Jr. 2,079,857; May 11.
Welding head, Automatic. L. S. Burgett. 2,079,956; May 11.
Welding, Process and apparatus for electric instantaneous spot. L. Schiff. 2,080,381; May 11.
Well casings in a well bore, Apparatus for blanking and cementing off perforated. R. C. Baker and C. E. Burt. 2,079,830; May 11.

Well pump, Hydraulic. G. A. Humason. 2,079,996; May 11.
Wheel: *See*—
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Wheel and mounting therefor, Design. C. W. Smith. 2,079,969; May 11.
Wheel balancer. M. Periat and R. E. Burke. 2,080,227; May 11.
Wheelbarrow. A. van W. Palthe. 2,080,332; May 11.
Window fastener. F. I. Sanda. 2,080,187; May 11.
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Wine, Method of aging. E. T. Krebs. 2,080,138; May 11.
Wire, Bridge. B. Brenner. 2,080,110; May 11.
Wire, Needle. L. D. Hawkridge. 2,079,907; May 11.
Wire or strip tinning machine. C. W. Meyers. 2,079,867; May 11.
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Wringer. W. L. Kauffman, II. 2,080,048; May 11.
Wringer. W. L. Kauffman, II. 2,080,318; May 11.
Yarn and filament and preparing same. W. Whitehead. 2,079,643; May 11.
Yeast, Manufacture of. A. Schultz. 2,079,634; May 11.

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CLASSIFICATION OF PATENTS

ISSUED MAY 11, 1937

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182: 2,079,892
199: 2,080,197
202: 2,080,198
148— 12: 2,080,367
2,080,368
150— 1: 2,080,252
49: 2,079,592
152— 14: 2,079,990
153— 46: 2,080,095
73: 2,080,211
154— 2: 2,079,641
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2,080,009
38: 2,080,386
42: 2,080,046

155— 61: 2,079,767
179: 2,080,153
156— 17: 2,079,852
2,080,233
39: 2,079,718
158— 28: 2,080,289
36.4: 2,079,858
53: 2,079,779
115: 2,080,141
117.1: 2,080,070
2,080,385
161— 2: 2,080,330
164— 68: 2,079,651
2,080,305
75: 2,080,328
113: 2,080,192
119: 2,080,090
166— 12: 2,079,830
16: 2,079,835
167— 16: 2,079,953
31: 2,079,772
45: 2,079,827
53: 2,079,797
76: 2,080,132
169— 20: 2,080,011
170— 141: 2,079,823
159: 2,080,224
171— 119: 2,079,843
2,080,177
209: 2,080,018
223: 2,080,388
313: 2,080,257
327: 2,079,894
172— 278: 2,080,371
288: 2,080,241
173— 259: 2,080,237
264: 2,079,943
338: 2,080,247
346: 2,079,800
175— 183: 2,079,645
2,080,308
294: 2,079,636
2,080,178
298: 2,080,226
315: 2,080,390
320: 2,080,273
363: 2,080,250
176— 20: 2,079,801
123: 2,080,278
177— 311: 2,080,231
327: 2,079,828
329: 2,079,861
351: 2,079,751
386: 2,079,612
2,079,620
178— 2: 2,079,685
5: 2,079,970
46: 2,079,697
69.5: 2,079,880
179— 5: 2,080,136
2,080,321
7.1: 2,079,721
15: 2,080,082
78: 2,079,723
2,080,217
100.2: 2,079,959
2,080,100
100.3: 2,079,906
108: 2,079,693
2,079,694
170: 2,079,689
171: 2,080,204
180— 73: 2,079,671
181— 31: 2,080,275
183— 2.5: 2,080,151
44: 2,079,807
71: 2,080,154
114.6: 2,080,351
184— 1.5: 2,079,989
6: 2,079,700
187— 11: 2,080,304
188— 32: 2,079,992
78: 2,080,155
88: 2,079,771
100: 2,079,869
152: 2,079,588

188— 152: 2,079,589
196: 2,079,662
234: 2,080,314
189— 34: 2,079,635
2,080,230
69: 2,080,307
192— .01: 2,079,654
3: 2,079,978
2,080,295
3.5: 2,079,678
2,079,822
4: 2,080,294
13: 2,080,196
57: 2,080,291
58: 2,079,724
105: 2,079,753
112: 2,079,888
142: 2,079,837
194— 1: 2,079,832
195— 18: 2,080,287
76: 2,079,634
196— 1: 2,080,088
4: 2,079,762
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21: 2,080,365
29: 2,079,782
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48: 2,080,118
49: 2,079,776
78: 2,079,887
96: 2,079,934
110: 2,080,221
142: 2,079,607
197— 1: Re.20,358
2,079,674
63: 2,079,605
198— 26: 2,080,012
27: 2,079,833
189: 2,080,301
199— 27: 2,080,309
200— 83: 2,080,169
87: 2,080,356
114: 2,079,866
122: 2,080,244

200— 138: 2,079,812
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140: 2,080,306
202— 39: 2,080,061
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57: 2,080,111
158: 2,080,167
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5: 2,080,234
25: 2,079,950
31: 2,079,750
205— 4: 2,080,344
206— 2: 2,079,786
44: 2,080,125
52: 2,080,052
57: 2,080,092
62: 2,080,066
207— 9: 2,079,905
10: 2,079,710
209— 139: 2,079,609
370: 2,079,839
210— 51.5: 2,079,971
55: 2,080,137
201: 2,079,755
205: 2,079,910
211— 31: 2,079,948
36: 2,080,033
71: 2,080,119
212— 69: 2,079,663
214— 65.5: 2,079,719
83: 2,079,814
84: 2,079,790
135: 2,080,163
215— 5: 2,079,773
22: 2,079,775
25: 2,080,213
2,080,214
30: 2,080,215
31: 2,080,144
43: 2,079,932
46: 2,079,757
2,079,794
71: 2,080,201
219— 4: 2,079,857
6: 2,079,916
8: 2,079,956
10: 2,080,140

219— 19: 2,079,611
20: 2,079,618
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3: 2,079,769
15: 2,080,326
61: 2,079,818
221— 60: 2,080,075
2,080,134
2,080,135
79: 2,079,744
2,080,343
100: 2,079,898
102: 2,080,298
105: 2,080,311
223— 70: 2,079,726
75: 2,080,324
224— 36: 2,079,851
226— 2: 2,079,778
18: 2,080,099
82: 2,079,813
91: 2,080,393
229— 15: 2,079,815
28: 2,080,122
37: 2,079,875
2,079,876
43: 2,079,688
51: 2,080,080
230— 2: 2,080,232
232: 2,080,236
259: 2,079,942
234— 1: 2,080,065
235— 54: 2,079,688
58: 2,079,624
61: 2,079,957
2,080,186
61.5: 2,079,625
101: 2,079,704
236— 20: 2,079,650
45: 2,079,804
82: 2,080,212
237— 8: 2,079,808
12.3: 2,079,859
240— 7.1: 2,079,732
10: 2,080,259
13: 2,080,251
25: 2,079,955
47: 2,080,120
241— 1: 2,080,052
242— 55: 2,080,010

242— 71: 2,080,026
2,080,072
77: 2,080,355
125: 2,079,966
244— 73: 2,080,094
75: 2,079,677
246— 3: 2,080,022
41: 2,080,069
247— 3: 2,079,856
248— 51: 2,079,759
147: 2,079,698
174: 2,080,025
2,080,105
226: 2,080,261
265: 2,079,816
358: 2,079,798
249— 1: 2,079,802
250— 6: 2,080,281
9: 2,080,081
16: 2,079,752
20: 2,079,655
2,079,657
2,080,024
2,080,115
2,080,128
27: 2,080,380
2,080,381
27.5: 2,079,809
2,079,884
2,079,893
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2,080,235
2,080,284
34: 2,079,900
251— 51: 2,079,896
80: 2,080,272
98: 2,079,774
127: 2,079,647
252— 2: 2,079,854
6: Re.20,361
253— 117: 2,079,766
254— 2: 2,080,114
25: 2,079,745
28: 2,079,672
29: 2,080,104
93: 2,080,205
190: 2,079,725
255— 19: 2,079,841
25: 2,080,225
71: 2,080,117

255— 72: 2,079,941
2,080,116
259— 6: 2,080,327
260— 2: 2,080,363
4: 2,079,606
2,079,616
2,079,626
2,079,633
2,079,926
11: 2,080,191
12: 2,080,004
33: 2,080,071
39: 2,079,940
43: 2,079,962
44: 2,079,927
2,080,049
60: 2,080,106
64: 2,080,057
78: 2,080,209
99.20: 2,079,973
102: 2,080,054
106: 2,079,652
112: 2,079,613
122: 2,079,789
127: 2,080,143
128: 2,080,366
129: 2,080,188
139: 2,079,976
150: 2,079,758
151: 2,080,034
262— 22: 2,080,181
263— 49: 2,080,014
264— 1: Re.20,363
20: 2,080,243
265— 1: 2,080,165
1.5: 2,080,062
266— 36: 2,079,872
267— 11: 2,079,899
268— 35: 2,079,919
271— 2.3: 2,080,279
2.6: 2,080,292
10: 2,079,668
26: 2,080,010
273— 106: 2,079,736
2,079,937
148: 2,079,850
276— 44: 2,079,968
277— 7: 2,079,743
280— 83.1: 2,080,342
53: 2,080,332

280— 104: 2,079,844
2,080,123
152: 2,080,166
282— 12: 2,080,061
285— 22: 2,079,646
50: 2,079,991
119: 2,079,731
122: 2,080,271
194: 2,079,949
199: 2,080,350
286— 34: 2,080,121
287— 53: 2,080,361
125: 2,079,692
288— 1: 2,079,729
292— 17: 2,079,648
57: 2,080,187
83: 2,079,806
100: 2,080,000
164: 2,079,895
278: 2,080,097
325: 2,079,938
336: 2,080,218
348: 2,080,174
293— 55: 2,080,161
294— 74: 2,080,148
86: 2,080,184
299— 60: 2,080,341
89: 2,079,933
119: 2,080,264
149: 2,079,924
301— 5: 2,080,227
304— 10: 2,080,015
306— 29: 2,079,988
308— 76: 2,080,101
88: 2,079,734
148: 2,080,042
309— 14: 2,080,286
23: 2,079,998
31: 2,080,297
45: 2,079,977
311— 35: 2,079,737
80: 2,079,639
312— 34: 2,080,219
35: 2,080,038
50: 2,080,023
63: 2,080,277
71: 2,079,754
174: 2,079,593
193: 2,079,608

U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. P. W. Paper Company, Inc., Albany, N. Y. Toilet tissue. Serial No. 390,111; May 18. Class 37.

Abercrombie & Fitch Company, New York, N. Y. Rubber blankets, tents and ground cloths, statues, etc. Serial No. 386,142; May 18. Class 50.

Acme Brewing Co., Los Angeles, Calif. Cardboard cartons. Serial No. 383,247; May 18. Class 2.

Alba Pharmaceutical Company, Inc., New York, N. Y. Vasoconstrictor, antiasthmatic, and antispasmodic. Serial No. 390,013; May 18. Class 6.

American Ball-Mill Company, Denver, Colo. Milling machinery. Serial No. 389,224; May 18. Class 23.

American Cabinet Hardware Corp., Rockford, Ill. Hinges. Serial No. 385,276; May 18. Class 13.

American Cabinet Hardware Corp., Rockford, Ill. Bullet and friction-spring catches. Serial No. 385,277; May 18. Class 25.

Anglo-French Laboratories, Inc., New York, N. Y. Medicines for the treatment of anaemia. Serial No. 386,006; May 18. Class 6.

Aron, J., & Company, Inc., New Orleans, La. Sugar. Serial No. 388,749; May 18. Class 46.

Atlas Ago Chemische Fabrik Aktiengesellschaft, Molkau, near Leipzig, Germany. Orthopedic shoe inserts and cork plates for use therein. Serial No. 388,221; May 18. Class 44.

Barrell, William L., Company, Inc., New York, N. Y. Cotton fabric. Serial No. 389,865; May 18. Class 42.

Barrell, William L., Company, Inc., New York, N. Y. Flame resistant, waterproof cotton duck. Serial No. 390,039; May 18. Class 50.

Bassett, Geo., & Company Limited, Sheffield, England. Candies. Serial No. 388,667; May 18. Class 46.

Bethlehem Steel Company, Bethlehem, Pa. Gears, saws, chisels, etc. Serial No. 387,854; May 18. Class 23.

Blanchini Ferier, Inc., New York, N. Y. Piece goods. Serial No. 390,581; May 18. Class 42.

Blackhawk Mfg. Co., Milwaukee, Wis. Heads for mechanical and hydraulic jacks. Serial No. 387,732; May 18. Class 23.

Bliss, Fabyan & Co., Inc., New York, N. Y. Spun synthetic fiber piece goods. Serial No. 389,774; May 18. Class 42.

Bonwit Teller, Inc., New York, N. Y. Shoes, hats, petticoats, etc. Serial No. 388,224; May 18. Class 39.

Boonin, A. E., Co. Inc., Philadelphia, Pa. Medicinal compound. Serial No. 385,084; May 18. Class 6.

Botany Worsted Mills, Passaic, N. J. Woolen piece goods. Serial No. 388,387; May 18. Class 42.

Boyle Leather Goods Co. Inc., New York, N. Y. Handbags, suitcases, hat boxes, etc. Serial No. 390,620; May 18. Class 3.

Brand Bottling Works, Inc., Houston, Tex. Beverages, and syrups, extracts, and flavors used in making the same. Serial Nos. 390,439–40; May 18. Class 45.

Burgess Cellulose Company, Freeport, Ill. Stereotype mats. Serial No. 389,904; May 18. Class 37.

Butchers' Advocate Co. Inc., New York, N. Y. Magazine column. Serial No. 388,970; May 18. Class 38.

California Pea Products, Inc., Fullerton, Calif. Canned vegetables. Serial No. 390,412; May 18. Class 46.

Carly Products. (See Lapin, Carl.)

Carr, Harry, doing business as H. P. Carr and Co., New York, N. Y. Tooth powder. Serial No. 390,624; May 18. Class 6.

Chapman, A. D., & Co., Chicago, Ill. Toxic chemical solution. Serial No. 383,873; May 18. Class 6.

Chesterfield Hat Corporation, New York, N. Y. Ladies' hats. Serial No. 387,579; May 18. Class 39.

Chicago Mail Order Company, Chicago, Ill. Corselets. Serial No. 389,171; May 18. Class 39.

Church, Kenneth B., Company, Inc., The, Norwich, Conn. Lacquer-coated fabrics. Serial No. 384,072; May 18. Class 42.

Colonial Molasses Co., Inc., Brooklyn, N. Y. Molasses. Serial No. 390,357; May 18. Class 46.

Colony Laboratories, Inc., New Haven, Conn. Colloidal sulphur. Serial No. 390,627; May 18. Class 6.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. Serial No. 390,629; May 18. Class 23.

Columbus Dental Manufacturing Company, The, Columbus, Ohio. Tooth backings. Serial No. 389,905; May 18. Class 44.

Commissariat of the Holy Land, Washington, D. C. Publications. Serial No. 390,197; May 18. Class 38.

Commissariat of the Holy Land, Washington, D. C. Medals, badges, and crosses. Serial No. 390,198; May 18. Class 28.

Commissariat of the Holy Land, Washington, D. C. Publications. Serial No. 390,199; May 18. Class 38.

Commonwealth Shoe and Leather Company, Whitman, Mass. Men's shoes. Serial No. 390,113; May 18. Class 39.

Condor Products, Inc., Buffalo, N. Y. Garters. Serial No. 390,162; May 18. Class 39.

Continental Foods, Inc., Chicago, Ill. Coffee. Serial Nos. 376,082–3; May 18. Class 46.

Country Club Soda Co., Inc., Springfield, Mass. Non-alcoholic beverages. Serial No. 389,501; May 18. Class 45.

Crochet Novelty Mills, Inc., New York, N. Y. Cord or twine pocketbooks. Serial No. 390,200; May 18. Class 3.

Davis Bros. Fisheries, Inc., Gloucester, Mass. Salted, smoked, canned and pickled fish. Serial No. 388,388; May 18. Class 46.

Davis, H. B., Co., The, Baltimore, Md. Paints, paint enamels, stains, etc. Serial No. 390,691; May 18. Class 16.

Deere & Company, Moline, Ill. Binders, corn shellers, cultivators, etc. Serial No. 370,175; May 18. Class 23.

Derris, Inc., New York, N. Y. Flushing powder for bath room fixtures and the like. Serial No. 390,844; May 18. Class 4.

Derris, Inc., New York, N. Y. Toilet bowl cleaner. Serial No. 390,847; May 18. Class 4.

Dodge Clothing Corporation, New York, N. Y. Men's and boys' hats. Serial No. 389,908; May 18. Class 39.

Dollar, Leonie, Tampa, Fla. Hair grower. Serial No. 389,874; May 18. Class 6.

Drigard Products Corporation, Wilmington, Del. Waterproofed paper board. Serial Nos. 388,124–5; May 18. Class 37.

Duray Laboratories, Inc., Seattle, Wash. Antiseptic preparations. Serial No. 390,639; May 18. Class 6.

Earle, Marie, Inc., New York, N. Y. Face powder, perfume, rouge, etc. Serial No. 390,640; May 18. Class 6.

Eday Fabrics, Inc., West New York, N. J. Piece goods. Serial No. 388,054; May 18. Class 42.

Electro-Acoustic Products Company, Fort Wayne, Ind. Electric phonograph, machines, amplifier, etc. Serial No. 379,189; May 18. Class 36.

Eppens, Smith Company, Inc., New York, N. Y. Tea. Serial No. 389,055; May 18. Class 46.

Evans Products Company, Detroit, Mich. Tractors. Serial No. 389,679; May 18. Class 23.

Express Dairy Company Limited, London, England. Drench for the treatment of mastitis in cattle. Serial No. 389,351; May 18. Class 6.

Faries Manufacturing Company, Decatur, Ill. Indirect electric lamps. Serial No. 389,015; May 18. Class 21.

Feigenbaum, M., & Sons, Pittsburgh, Pa. Frosted fruits and vegetables. Serial No. 390,314; May 18. Class 46.

Fez America, Inc., New York, N. Y. Berets for men, women, and children. Serial No. 382,716; May 18. Class 39.

Fitzgerald, George J. (See Greenberg, Harry, Harry Palter, and George J. Fitzgerald.)

Fowler, John, & Co. (Leeds) Limited, London and Leeds, England. Rotary ploughs. Serial No. 370,464; May 18. Class 23.

Franklin Creamery Co., The, Toledo, Ohio. Containers. Serial No. 385,840; May 18. Class 2.

Franklin Rayon Corporation, Providence, R. I. Coptubes or carriers. Serial No. 390,206; May 18. Class 2.

Frost, Floyd W., Toledo, Ohio. Foot lotion. Serial No. 387,583; May 18. Class 6.

General Shoe Corporation, Nashville, Tenn. Boots and shoes. Serial No. 390,120; May 18. Class 39.

Godissart's Parfum Classique Francais, Inc., Hollywood, Calif. Perfume and toilet water. Serial No. 389,065; May 18. Class 6.

Goldsmith Bros., New York, N. Y. Leads for mechanical pencils. Serial Nos. 390,165–6; May 18. Class 37.

Goldstein, Bernard, New York, N. Y. Hosiery. Serial No. 390,062; May 18. Class 39.

Green, Iva F., doing business as Iva Michelle Products, Sunnyside, Long Island, N. Y. Cosmetics. Serial No. 389,984; May 18. Class 6.

Greenberg, Harry, Harry Palter, and George J. Fitzgerald, Brooklyn, N. Y. Shoes. Serial No. 389,313; May 18. Class 39.

Greenpoint Metallic Bed Company, Inc., Brooklyn, N. Y. Bed springs and mattresses. Serial No. 386,709; May 18. Class 32.

Griesemer, John C., Reading, Pa. Flexible nozzle tube for measured fluid dispensing apparatus. Serial No. 386,489; May 18. Class 35.

Hall, Cortez R., doing business as Sum-Products Company, Detroit, Mich. Razor blades. Serial No. 383,998; May 18. Class 23.

Hall Hardware Company, Minneapolis, Minn. Linoleum varnish. Serial No. 389,732; May 18. Class 16.

Hansen Glove Corporation, Milwaukee, Wis. Leather and fabric gloves. Serial No. 389,416; May 18. Class 39.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Hantman, Philip, doing business as Rayglow Paint Company, Brooklyn, N. Y. Paint and paint products. Serial No. 379,341; May 18. Class 16.

Harte & Wyle, New York, N. Y. Waterproof fabrics in the piece. Serial No. 389,025; May 18. Class 50.

Haskell, Charles C., & Co., Inc., Richmond, Va. Analgesic-antipyretic pharmaceutical preparation. Serial No. 389,985; May 18. Class 6.

Haskell, Charles C., & Co., Inc., Richmond, Va. Pharmaceutical preparation having analgesic, etc., properties. Serial No. 389,986; May 18. Class 6.

Hat Corporation of America, Norwalk, Conn. Hats for men. Serial No. 389,913; May 18. Class 39.

Hedges, Estella E., Winnetka, Ill. Women's and misses' dresses. Serial No. 389,733; May 18. Class 39.

Hendrickson-Thomas, Mabel, doing business as The Petrofig Co., Loma Linda, Calif. Laxative. Serial No. 387,277; May 18. Class 6.

Herendeen, Charles, & Son, Inc., Chicago, Ill. Treated and blended flour. Serial No. 388,064; May 18. Class 46.

Heyer Corporation, The, Chicago, Ill. Stencils. Serial No. 384,616–7; May 18. Class 37.

Hipoint Corporation, The, Bellefontaine, Ohio. Oil burners. Serial No. 487,743; May 18. Class 34.

Hollywood Amusement Company, Inc., Chicago, Ill. Cards and slides for an amusement game. Serial No. 390,453; May 18. Class 22.

Houston Milling Company, Houston, Tex. Wheat flour. Serial Nos. 390,068–9; May 18. Class 46.

Hy-Sil Manufacturing Company, Revere, Mass., New York, N. Y., and Los Angeles, Calif. Transparent cellulose product for general commercial utility. Serial No. 382,124; May 18. Class 37.

Industrial Engineering Corporation, Boston, Mass. Machine parts. Serial No. 384,084; May 18. Class 23.

Iva Michelle Products. (See Green, Iva F.)

Kayser, Julius, & Co., New York, N. Y. Underwear, sweaters, vests, etc. Serial No. 388,944; May 18. Class 39.

Kelman Electric & Manufacturing Company, Los Angeles, Calif. High-voltage electric switches and fuses. Serial No. 389,184; May 18. Class 21.

Kingsboro Silk Mills, Inc., Gloversville, N. Y. Vests, bloomers, panties, etc. Serial No. 388,195; May 18. Class 39.

Kuhne-Libby Company, New York, N. Y. Ceresin. Serial No. 382,431; May 18. Class 15.

La Abilidad Cigar Co. Ltd., Los Angeles, Calif. Cigars. Serial No. 390,135; May 18. Class 17.

Lapin, Carl, doing business as Carly Products, New York, N. Y. Deodorant. Serial No. 390,008; May 18. Class 6.

Laucks, I. F., Inc., Seattle, Wash. Under or priming coat for wood, cement, plaster, etc., and for a filler, sealer, and grain raising inhibitor. Serial No. 389,520; May 18. Class 16.

Layman, Berkwits & Scott, Inc., New York, N. Y. Men's and boys' clothing. Serial No. 390,219; May 18. Class 39.

Leeds & Northrup Company, Philadelphia, Pa. Automatic electrical instruments, electrical recorders and controllers, etc. Serial No. 363,287; May 18. Class 26.

Leeds & Northrup Company, Philadelphia, Pa. Combination automatic combustion control apparatus. Serial No. 387,041; May 18. Class 26.

Leeds & Northrup Company, Philadelphia, Pa. Electrical pyrometers, thermometers, resistance elements, etc. Serial No. 387,075; May 18. Class 26.

Loos, William E., Oakland, Calif. Card game. Serial No. 390,702; May 18. Class 22.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 389,922; May 18. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Fried cakes. Serial No. 389,924; May 18. Class 46.

Loxon Corporation, The, Minneapolis, Minn. Ready mixed paints. Serial No. 389,645; May 18. Class 16.

Lucky Tiger Manufacturing Company, Kansas City, Mo. Hair dressing. Serial No. 390,078; May 18. Class 6.

Madison Foods. (See Rural Educational Association.)

Maison Blanche Company, New Orleans, La. Children's shoes. Serial No. 385,593; May 18. Class 39.

Maison Joubert, Inc., New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. Serial Nos. 389,994–5; May 18. Class 6.

Malfas, Nicholas, Holyoke, Mass. Sandwiches and salted popcorn. Serial No. 389,561; May 18. Class 46.

Mallinson Fabrics Corporation, New York, N. Y. Silk and synthetic fabrics. Serial No. 387,506; May 18. Class 42.

Marine Products Co., San Diego, Calif. Canned tuna. Serial No. 388,719; May 18. Class 46.

Markey, Frank Jay, Syndicate, Inc., New York, N. Y. Cartoon and comic strips. Serial No. 389,729; May 18. Class 38.

Marks, Solomon K., Cleveland, Ohio. Silk hosiery. Serial No. 382,600; May 18. Class 39.

Marshall, C. & E., Co., Chicago, Ill. Tweezers, lathes, and various tools used by watchmakers and jewelers. Serial No. 388,650; May 18. Class 23.

Master Pictures, Inc., Los Angeles, Calif. Motion picture film. Serial No. 389,189; May 18. Class 26.

Mayer, Benjamin, Brooklyn, N. Y. Soap, shaving soap. Serial No. 389,259; May 18. Class 4.

McCreary Tire & Rubber Company, Indiana, Pa. Electrical storage batteries. Serial No. 388,359; May 18. Class 21.

McCrory Stores Corporation, New York, N. Y. Writing paper, writing pads, and envelopes. Serial Nos. 385,417–8; May 18. Class 37.

McLaurin-Jones Co., Brookfield, Mass. Gummed cloth and paper. Serial No. 389,929; May 18. Class 37.

McLaurin-Jones Co., Brookfield, Mass. White gummed paper. Serial No. 390,174; May 18. Class 37.

Medicinal Research Laboratories, Philadelphia, Pa. Preparation used in the treatment of whooping cough, bronchitis, etc. Serial No. 390,660; May 18. Class 6.

Metal Coating Company of America, Philadelphia, Pa. Metal strip material. Serial No. 373,796; May 18. Class 14.

Meyers Manufacturing Co., New York, N. Y. Ladies' handbags. Serial No. 386,810; May 18. Class 3.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth and abrasive paper. Serial No. 389,649; May 18. Class 4.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth and abrasive paper. Serial No. 389,651; May 18. Class 4.

Miracle Products, Inc., Chicago, Ill. Safety razors. Serial No. 389,367; May 18. Class 23.

Monroe Milling Company, Waterloo, Ill. Wheat flour. Serial No. 386,122; May 18. Class 46.

Moore Enameling & Mfg. Co., The, West Lafayette, Ohio. Enameled base metal hollow ware, flat ware, semi-flat ware, etc. Serial No. 385,447; May 18. Class 13.

Moran Shoe Company, Inc., The, Carlyle, Ill. Shoes. Serial No. 390,080; May 18. Class 39.

Myra Candies, Inc., New York, N. Y. Candies. Serial No. 390,229; May 18. Class 46.

Naamlooze Vennootschap Amsterdamsche Chinine-Fabriek, Amsterdam, Netherlands. Prophylactic medicines. Serial No. 388,111; May 18. Class 6.

"Narok"-Kaffee-Versandgeschaeft, Zurich, Switzerland. Coffee. Serial No. 390,094; May 18. Class 46.

National Biscuit Company, New York, N. Y. Biscuit. Serial No. 389,426; May 18. Class 46.

National Carbon Company, Inc., New York, N. Y. Electric lamp testers. Serial No. 389,427; May 18. Class 26.

New England Confectionery Company, Cambridge, Mass. Cough drops. Serial No. 390,128; May 18. Class 6.

New York Rubber Corporation, Beacon, N. Y. Rubber belting and hose. Serial No. 389,327; May 18. Class 35.

New York Toy & Game Manufacturing Co. (See Rubin, Louis.)

Norris, Incorporated, Atlanta, Ga. Candy. Serial Nos. 386,688–9; May 18. Class 46.

Olson, O. G., Co., Turlock, Calif. Fresh deciduous fruits, melons, and fresh vegetables, etc. Serial No. 384,813; May 18. Class 46.

O'Sullivan, David L., New York, N. Y. Sheet music. Serial No. 390,129; May 18. Class 38.

Paac Chemical Corporation, The, Greensburg, Pa. Facial pack. Serial No. 390,603; May 18. Class 6.

Palter, Harry. (See Greenberg, Harry, Harry Palter, and George J. Fitzgerald.)

Paragon Oil Company, Inc., Brooklyn, N. Y. Lubricating oils and greases for gears. Serial No. 390,233; May 18. Class 15.

Peek, Robert M., doing business as Peek Bros. & Columbia Flour Company, Little Rock, Ark. Wheat flour. Serial No. 390,084; May 18. Class 46.

Petrofig Co., The. (See Hendrickson-Thomas, Mabel.)

Pieringer, Hanny, Forest Hills, N. Y. Dolls' dresses, and toy cut-out books. Serial No. 390,862; May 18. Class 22.

Pitman & Keeler, Attleboro, Mass. Bracelets, vanity cases, and compacts. Serial No. 390,184; May 18. Class 28.

Plaza Manufacturing Co. Inc., New York, N. Y. Game of skill. Serial No. 388,619; May 18. Class 22.

Plunkett, R. S., Picayune, Miss. Medicinal preparation. Serial No. 386,498; May 18. Class 6.

Plymouth Underwear Company, Boston, Mass. Pajamas and nightrobes for men. Serial No. 374,094; May 18. Class 39.

Polan, Katz and Company, Baltimore, Md. Umbrellas. Serial No. 390,239; May 18. Class 41.

Pollak, Henry, Inc., New York, N. Y. Hat bodies for women's and children's hats. Serial No. 390,133; May 18. Class 39.

Porter Forge and Furnace Inc., Everett, Mass. Drop forgings. Serial No. 387,838; May 18. Class 14.

Products, Inc., Columbus, Ohio. Deodorizing and disinfecting preparation. Serial No. 389,525; May 18. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Public Ledger, Inc., Philadelphia, Pa. Newspaper syndicated series of illustrations. Serial No. 389,937; May 18. Class 38.

Purex Products, Incorporated, Baltimore, Md. Rubbing alcohol. Serial No. 389,886; May 18. Class 6.

Raritan Distillers Corp., Perth Amboy, N. J. Whiskey. Serial No. 386,660; May 18. Class 49.

Rayglow Paint Company. (See Hantman, Philip.)

Raymond, Angus G., doing business as Staff-O-Life, Detroit, Mich. Preparation for indigestion, gastritis, headaches, etc. Serial No. 389,940; May 18. Class 6.

Red Horse Manufacturing Company. (See Scarborough, Martin A.)

Redlands Foothill Groves, Redlands, Calif. Fresh citrus fruit. Serial No. 390,137; May 18. Class 46.

Rochester Brewing Company, Inc., Rochester, N. Y. Ale. Serial No. 389,437; May 18. Class 48.

Rogers, John D., Navasota, Tex. Cotton seed. Serial No. 389,293; May 18. Class 1.

Rubin, Louis, doing business as New York Toy & Game Manufacturing Co., New York, N. Y. Toy hostess sets, toy handkerchief sets, toy party sets, etc. Serial No. 390,611; May 18. Class 22.

Rubino, Carlo, Flushing, N. Y. Board game. Serial No. 390,529; May 18. Class 22.

Rural Educational Association, doing business as Madison Foods, Madison College, Tenn. Soy bean flour, bread, wheat cereals, etc. Serial No. 382,240; May 18. Class 46.

Saginaw Stamping & Tool Company, Saginaw, Mich. Vehicle bodies. Serial No. 375,778; May 18. Class 19.

Scarborough, Martin A., doing business as Red Horse Manufacturing Company, Clarksville, Ark. Skin relief. Serial No. 375,669; May 18. Class 6.

Seattle Luggage Corporation, Seattle, Wash. Trunks, dress-suitcases, handbags, etc. Serial No. 390,423; May 18. Class 3.

Serra, Arthur, & Company, Chicago, Ill. Canned pineapple. Serial No. 390,092; May 18. Class 46.

Solar Aircraft Company, San Diego, Calif. Exhaust manifolds for internal combustion engines. Serial No. 389,043; May 18. Class 23.

South Jersey Underwear Co. Inc., New York, N. Y. Cotton, rayon, woolen, and silk materials. Serial No. 390,141; May 18. Class 42.

Staff-O-Life. (See Raymond, Angus G.)

Staley Milling Company, Kansas City, Mo. Poultry, cattle, and stock feeds. Serial No. 388,854; May 18. Class 46.

Standard Oil Company of New Jersey, Wilmington, Del. Oils, and lubricating greases. Serial No. 377,028; May 18. Class 15.

Stanley Works, The, New Britain, Conn. Rules, Levels, plumbs, etc. Serial No. 388,994; May 18. Class 26.

Stanley Works, The, New Britain, Conn. Screw drivers, planes, chisels, etc. Serial No. 388,995; May 18. Class 23.

Stark Bros. Ribbon Corporation, New York, N. Y. Textile ribbons. Serial No. 384,979; May 18. Class 42.

Sun Products Company. (See Hall, Cortez R.)

Talco Asphalt & Refining Company, Mt. Pleasant, Tex. Asphalt. Serial No. 390,756; May 18. Class 1.

Tennessee Eastman Corporation, Kingsport, Tenn. Molding composition. Serial No. 389,700; May 18. Class 1.

Thomas, Salena, doing business as Via Pak Compound Company, Los Angeles, Calif. Compound for the purpose of making a pack for use in hydrotherapy. Serial No. 390,425; May 18. Class 6.

Thornhill-Craver Company, Houston, Tex. Pipe couplings. Serial No. 380,682; May 18. Class 13.

Trommer, John F., Incorporated, Brooklyn, N. Y. Ale. Serial No. 389,805; May 18. Class 48.

Uniflow Manufacturing Co., Erie, Pa. Water pumps, cellar drainer pumps, beer pumps, etc. Serial No. 387,715; May 18. Class 23.

Union Bag & Paper Corporation, New York, N. Y. Wrapping paper. Serial No. 389,578; May 18. Class 37.

United States Gypsum Company, Chicago, Ill. Composite building board. Serial No. 379,578; May 18. Class 12.

Upson-Walton Company, The, Cleveland, Ohio. Wire rope. Serial No. 379,985; May 18. Class 7.

Valley Chemical Company, The, Elkins, W. Va. Liniment. Serial No. 390,101; May 18. Class 6.

Via Pak Compound Company. (See Thomas, Salena.)

Virginia Carolina Chemical Corporation, Richmond, Va. Trisodium phosphate, disodium phosphate crystals, phosphoric acids, etc. Serial Nos. 389,892–3; May 18. Class 6.

Vita-Ray Corporation, The, Lowell, Mass. Medicinal ointment. Serial No. 389,107; May 18. Class 6.

Voinvienti-Osuuslikke Valio r. l., Helsingfors, Finland. Cheese. Serial No. 376,016; May 18. Class 46.

Waterbury Clock Company, The, Waterbury, Conn. Clocks and watches. Serial No. 389,895; May 18. Class 27.

Weisberg, Benjamin, New York, N. Y. Infants' and children's dresses. Serial No. 390,427; May 18. Class 39.

Western Electric Company, Incorporated, New York, N. Y. Sound picture apparatus, parts thereof, and accessories therefor. Serial Nos. 388,600–01; May 18. Class 26.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Steam turbine and marine reduction gearing, and centrifugal pumps, etc. Serial No. 386,834; May 18. Class 23.

Whitlock Chemical Co., Springfield, Ill. Preparation for cleaning toilet bowls. Serial No. 389,205; May 18. Class 4.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Various chemicals, drugs, pharmaceuticals, etc. 346,126; May 18; Serial No. 385,331; published Mar. 9, 1937. Class 6.

Agasote Millboard Co., The, Trenton, N. J. Wood pulp building boards. 346,301; May 18. Class 12.

Albers Bros. Milling Co., Portland, Oreg. Buckwheat and wheat flour. 346,051; May 18; Serial No. 357,702; published Mar. 9, 1937. Class 46.

Allen's, N. R., Sons Company, Kenosha, Wis., assignor to The United States Leather Selling Corporation, New York, N. Y. Sole-strips. 117,729; renewed July 31, 1937.

Alligator Company, The, St. Louis, Mo. Raincoats. 346,241; May 18; Serial No. 387,485; published Mar. 9, 1937. Class 39.

Almaden Vineyards Corporation, Los Gatos, Calif. Wines. 346,049; May 18; Serial No. 341,472; published Oct. 24, 1933. Class 47.

Altman, B., & Co., New York, N. Y. Upholstered furniture. 118,732; renewed Oct. 2, 1937.

Aluminum Ore Company, Pittsburgh, Pa. Lime, gypsum, etc. 346,137; May 18; Serial No. 385,820; published Mar. 9, 1937. Class 12.

Amalgamated Leather Companies, Inc., Wilmington, Del. Leather. 346,191; May 18; Serial No. 386,976; published Mar. 9, 1937. Class 1.

Amalgamated Leather Companies, Inc., Wilmington, Del. Leather. 346,248; May 18; Serial No. 387,531; published Mar. 9, 1937. Class 1.

Amalgamated Leather Companies, Inc., Wilmington, Del. Leather. 346,283; May 18; Serial No. 387,882; published Mar. 9, 1937. Class 1.

American Automobile Association Publishing Company, New York, N. Y., and Washington, D. C., to American Automobile Association, Incorporated, Washington, D. C., successor. Magazine. 118,132; renewed Aug. 21, 1937.

American Book Cover Co. (See Berkman, Irving.)

American Chemical Paint Company, Philadelphia, to American Chemical Paint Company, Ambler, Pa. Rustless pickle for steel. 117,281; renewed July 3, 1937.

American Dirigold Corporation, The, Kokomo, Ind. Spoons, knives, forks, etc. 346,061; May 18; Serial No. 372,192; published Mar. 9, 1937. Class 23.

American Foundry Equipment Company, The, Mishawaka, Ind. Abrasive blast apparatus. 346,270; May 18; Serial No. 387,726; published Mar. 9, 1937. Class 23.

American Humane Association, The, Albany, N. Y. Bulletins issued irregularly by its department known as the American Red Star Animal Relief. 118,256; renewed Aug. 28, 1937.

American Merchandise Co. Inc., New York, N. Y. Needles. 346,279; May 18; Serial No. 387,809; published Mar. 9, 1937. Class 40.

American Metal Products Company, by change of name to Ampco Metal, Inc., Milwaukee, Wis. Metals resembling bronze and castings made from said metal. 117,240; renewed June 26, 1937.

American Sun Texture Products Corporation, Jamaica, N. Y. Plastic wall finish. 346,048; May 18; Serial No. 332,215; published Mar. 2, 1937. Class 12.

Ampco Metal, Inc. (See American Metal Products Company.)

Ansehl, Benjamin, Company, The, St. Louis, Mo. Face powders, creams, lotions, tonics, etc. 346,127; May 18; Serial No. 385,387; published Mar. 9, 1937. Class 6.

Arch Draft Pipe Co. (See Schwarz, Elmer H.)

Aronsohn, S. J., Inc., New York, N. Y. Piece goods. 346,111; May 18; Serial No. 384,314; published Mar. 9, 1937. Class 42.

Associated Merchandising Corporation, New York, N. Y. Perfumes. 346,099; May 18; Serial No. 383,342; published Mar. 9, 1937. Class 6.

Automatic Washer Company, Newton, Iowa. Laundry washing machines. 346,190; May 18; Serial No. 386,975; published Mar. 9, 1937. Class 24.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 346,271; May 18; Serial No. 387,727; published Mar. 9, 1937. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 346,272; May 18; Serial No. 387,729; published Mar. 9, 1937. Class 17.

Aydelotte, Mabel D., Yarmouth Port, Mass. Food beverage. 346,226; May 18; Serial No. 387,262; published Mar. 9, 1937. Class 46.

Azienda Italiana Lubrificanti Clarenty Minerali Originali e Vegetali Nazionali, Rome, Italy. Lubricating mineral oils and lubricating fats. 346,086; May 18; Serial No. 381,603; published Mar. 9, 1937. Class 15.

Balaguer, Enrique R., doing business as Dr. Lovett Medicine Co., Brooklyn, N. Y. Preparations for purification of the blood; etc. 346,230; May 18; Serial No. 387,303; published Mar. 9, 1937. Class 6.

Balloffet Dies & Nozzle Company, Inc., Guttenberg, N. J. Oil burner nozzles. 346,319; May 18. Class 13.

Baruch, George J., Inc., New York, N. Y. Fur coats, scarfs, and neck pieces. 346,167; May 18; Serial No. 386,628; published Mar. 2, 1937. Class 39.

Bash, C. E., and Co., Huntington, Ind. Poultry food. 117,509; renewed July 17, 1937.

Bass, Benny. (See Globe Shoe Store Inc.)

Bassick Company, The, Bridgeport, Conn. Furniture casters. 346,202; May 18; Serial No. 387,103; published Mar. 9, 1937. Class 13.

Bassick Company, The, Bridgeport, Conn. Furniture casters and slides, metal drawer pulls and knobs, etc. 346,203; May 18; Serial No. 387,105; published Mar. 9, 1937. Class 13.

Bassick Company, The, Bridgeport, Conn. Furniture casters. 346,204–9; May 18; Serial Nos. 387,106–11; published Mar. 9, 1937. Class 13.

Bassick Company, The, Bridgeport, Conn. Chair hardware. 346,210; May 18; Serial No. 387,112; published Mar. 9, 1937. Class 13.

Battenfeld Grease & Oil Corp., The, Kansas City, Mo. Lubricating grease. 346,074; May 18; Serial No. 378,125; published Mar. 9, 1937. Class 15.

Beauty Digest Corporation, New York, N. Y. Periodical. 346,216; May 18; Serial No. 387,165; published Mar. 9, 1937. Class 38.

Belle, Hannah, New York, N. Y. Suits, top coats, and overcoats. 346,118; May 18; Serial No. 385,119; published Mar. 2, 1937. Class 39.

Berger, Adolph, doing business as Silk Hosiery Nite, New York, N. Y. Ladies' silk hosiery. 346,164; May 18; Serial No. 386,577; published Mar. 9, 1937. Class 39.

Berkman, Irving, doing business as American Book Cover Co., New York, N. Y. Book covers. 346,266; May 18; Serial No. 387,696; published Mar. 9, 1937. Class 37.

Bersted Manufacturing Company, Fostoria, Ohio. Electric waffle irons. 346,303; May 18. Class 21.

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Woven textile rugs and carpets. 346,312; May 18. Class 42.

Binney & Smith Company, New York, N. Y. Compacted dry color art medium. 346,232; May 18; Serial No. 387,310; published Mar. 9, 1937. Class 16.

Blue Seal Extract Company, Cambridge, Mass. Soft drinks. 346,262; May 18; Serial No. 387,618; published Mar. 9, 1937. Class 45.

Boggs & Buhl, Pittsburgh, Pa. Fur coats. 346,091; May 18; Serial No. 382,033; published Mar. 2, 1937. Class 39.

Bond Electric Corporation, Jersey City, N. J. Dry cells and batteries of dry cells. 346,053; May 18; Serial No. 364,912; published Mar. 9, 1937. Class 21.

Borland, William E., to Daniel N. Walsh, Yonkers, N. Y., successor. Salve. 114,329; renewed Dec. 12, 1936.

Botany Worsted Mills, Passaic, N. J. Neckties. 346,289; May 18; Serial No. 387,982; published Mar. 9, 1937. Class 39.

Bowles Bros. Co., assignor to Frank A. Bowles, doing business as Bowles Bros. Co., Los Angeles, Calif. Pancake-flour. 115,156; renewed Jan. 30, 1937.

Boyle Leather Goods Co., Inc., New York, N. Y. Handbags, pocketbooks, portfolios, etc. 346,322; May 18. Class 3.

Briggs Lemon Association, Santa Paula, Calif. Lemons. 346,256–7; May 18; Serial Nos. 387,576–7; published Mar. 9, 1937. Class 46.

Bullock's, Inc., Los Angeles, Calif. Upholstered sofas, chairs, love seats, and pillows. 346,273; May 18; Serial No. 387,736; published Mar. 9, 1937. Class 32.

Burgess, C. F., Laboratories, Inc., Chicago, Ill. Granular mineral material for purifying water of tastes and odors. 346,102; May 18; Serial No. 383,569; published Mar. 9, 1937. Class 31.

Burke, Milo D., New York, N. Y. Ladies' hosiery. 346,223; May 18; Serial No. 387,238; published Mar. 2, 1937. Class 39.

Burman, C. N., Co., New York, N. Y. Electric lamps. 346,298; May 18. Class 21.

Burrell-Miller, by change of name to Burrell-Dugger Company, Indianapolis, Ind. Poultry remedy. 115,730; renewed Mar. 6, 1937.

C. & W. Manufacturing Co., Chicago, Ill. Electric permanent hair waving and hair drying machines. 346,192; May 18; Serial No. 386,982; published Mar. 2, 1937. Class 44.

Caldwell Rum Distillery, Inc., The, Newburyport, Mass. Rum. 346,050; May 18; Serial No. 344,757; published Mar. 9, 1937. Class 49.

Carleton and Hovey Company, Lowell, Mass. Preparation used in the treatment of lung and throat troubles. 346,139; May 18; Serial No. 385,924; published Mar. 9, 1937. Class 6.

Champion Container Company, Philadelphia, Pa. Paper containers. 346,159; May 18; Serial No. 386,481; published Mar. 9, 1937. Class 2.

Charleston, Asher, Philadelphia, Pa. Dental instruments, materials, and appliances. 346,071; May 18; Serial No. 376,456; published Mar. 2, 1937. Class 44.

Chastain, Sam, Canal Point, Fla. Fresh vegetables. 346,274; May 18; Serial No. 387,740; published Mar. 9, 1937. Class 46.

Chek-Chart Corporation, The, Chicago, Ill. Automotive lubrication and accessory equipment information. 346,122; May 18; Serial No. 385,213; published Mar. 2, 1937. Class 38.

Chicago Paper Company, Chicago, Ill. Paper. 346,284; May 18; Serial No. 387,888; published Mar. 9, 1937. Class 37.

Civic Activities Association, Rockford, Ill. Publications and periodicals. 346,057; May 18; Serial No. 368,400; published Mar. 9, 1937. Class 38.

Claflin, Geo. L., Company, Providence, R. I. Hot-water bottles, syringes, ice-caps, etc. 118,156; renewed Aug. 21, 1937.

Clear-Weave Hosiery Stores, Inc. (See Cooper, Wells & Company, assignor.)

Cluett, Peabody & Co., Inc., Troy, N. Y. Handkerchiefs. 118,860; renewed Oct. 9, 1937.

Cole, Barzillai L., assignor to Cole Chemical Company, St. Louis, Mo. Remedy for diseases and disorders of the uterus. 116,289; renewed Apr. 24, 1937.

Coleman & Bell Company, The, Norwood, Ohio. Chemical reagents, biological stains, chemical indicators, etc. 346,058; May 18; Serial No. 369,440; published Mar. 9, 1937. Class 6.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Shampoo. 346,224; May 18; Serial No. 387,239; published Mar. 2, 1937. Class 6.

College Inn Food Products Company, Chicago, Ill. Whiskies. 346,134; May 18; Serial No. 385,723; published Mar. 9, 1937. Class 49.

Colonial Mills, Inc., New York, N. Y. Acetate and rayon crepe fabric. 346,082; May 18; Serial No. 380,758; published Aug. 25, 1936. Class 42.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. 346,238; May 18; Serial No. 387,453; published Mar. 9, 1937. Class 23.

Columbia Plush & Puff Co., Inc., Brooklyn, N. Y. Powder puffs. 346,060; May 18; Serial No. 372,046; published Mar. 9, 1937. Class 29.

Commonwealth Shoe & Leather Company, Whitman, Mass. Slippers. 346,149; May 18; Serial No. 386,246; published Feb. 23, 1937. Class 39.

Conklin, E. W., & Son, Inc., Binghamton, assignor, by mesne assignments, to Craver-Dickinson Seed Company, Buffalo, N. Y. Seed-corn, seed-grain, grass-seeds, clover and field seeds. 117,420; renewed July 10, 1937.

Consolidated Dental Manufacturing Company, Inc., Brooklyn, N. Y. Dental alloy, artificial teeth, inlays, etc. 346,233; May 18; Serial No. 387,313; published Mar. 2, 1937. Class 44.

Cooper, Wells & Company, St. Joseph, Mich. Hosiery. 346,250; May 18; Serial No. 387,543; published Mar. 9, 1937. Class 39.

Cooper, Wells & Company, St. Joseph, Mich., assignor to Clear-Weave Hosiery Stores, Inc., Boston, Mass. Hosiery. 346,249; May 18; Serial No. 387,542; published Mar. 9, 1937. Class 39.

Corsicana Cotton Mills, Corsicana, Tex. Double filling ducks. 346,275–6; May 18; Serial Nos. 387,741–2; published Mar. 9, 1937. Class 42.

Craver-Dickinson Seed Company. (See Conklin, E. W., & Son, Inc., assignor.)

D. C. Unit of Nation-Wide Service Grocers, Inc., Washington, D. C. Cocoa, coffee, canned milk, canned dog food, etc. 346,165; May 18; Serial No. 386,580; published Mar. 9, 1937. Class 46.

Denman & Hernes, Inc., New York, N. Y. Butter. 346,251; May 18; Serial No. 387,546; published Mar. 9, 1937. Class 46.

Dentists' Supply Company of New York, The, New York, N. Y. Artificial teeth. 346,133; May 18; Serial No. 385,626; published Mar. 2, 1937. Class 44.

Detroit Sulphite Pulp & Paper Co., Detroit, Mich. Wrapping paper. 346,132; May 18; Serial No. 385,566; published Mar. 9, 1937. Class 37.

Dominion Corset Company Limited, Quebec, Quebec, Canada. Corsets, brassières, corselets, and girdles. 346,066; May 18; Serial No. 372,966; published Mar. 9, 1937. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Rayon underwear, pajamas, nightgowns, and dresses. 346,280; May 18; Serial No. 387,863; published Mar. 9, 1937. Class 39.

Eaton-Clark Company, Detroit, Mich. Chemical bleaching preparations, spot and stain removers, etc. 346,172; May 18; Serial No. 386,726; published Mar. 9, 1937. Class 6.

Edison Orange Growers Association, San Francisco and Edison, Calif. Fresh citrus fruits. 346,107; May 18; Serial No. 383,878; published Mar. 9, 1937. Class 46.

Ehlers, Albert, Inc., Brooklyn, N. Y. Tea. 346,305; May 18. Class 46.

Emerson Electric Manufacturing Company, The, St. Louis, Mo. Title of a monthly publication. 118,507; renewed Sept. 18, 1937.

Emporium, The, San Francisco, Calif. Piece goods. 346,161; May 18; Serial No. 386,535; published Mar. 9, 1937. Class 42.

Epstein, Burney, Inc., New York, N. Y. Knitted dresses, sweaters, and blouses. 346,247; May 18; Serial No. 387,528; published Mar. 9, 1937. Class 39.

Equipment Specialties Company, Chicago, Ill. Railway refrigerating car apparatus. 346,067; May 18; Serial No. 373,251; published Mar. 9, 1937. Class 31.

Esbeco Distilling Corporation, Stamford, Conn. Whiskey. 346,320; May 18. Class 49.

Eskimo Pie Corporation, Brooklyn, N. Y. Frozen confections. 346,180; May 18; Serial No. 386,796; published Mar. 9, 1937. Class 46.

Esquire Features, Inc., Chicago, Ill. Newspaper cartoons. 346,242; May 18; Serial No. 387,500; published Mar. 9, 1937. Class 38.

Esterbrook Steel Pen Manufacturing Company, The, Camden, N. J. Fountain pens, inkwells, and desk sets. 346,090; May 18; Serial No. 381,978; published Mar. 9, 1937. Class 37.

Evrstay Crease Company, Rochester, N. Y. Tape. 346,296; May 18. Class 40.

Farrar, Richard J. H., doing business as Pupukea Farm, Maunawai Post Office, Oahu, Hawaii. Fresh deciduous fruits and vegetables. 346,072; May 18; Serial No. 376,578; published Mar. 9, 1937. Class 46.

Faultless Mfg. Co. (See Knapp-Monarch Company.)

Fauner, Joseph F., Irvington, N. J. Weather strips, threshold weather and dust proofing devices. 346,313; May 18. Class 12.

Fehr Baking Company of Beaumont, Beaumont, Tex. Bread. 346,104; May 18; Serial No. 383,803; published Mar. 9, 1937. Class 46.

Filene's, Wm., Sons Company, Boston, Mass. Clothing. 117,305; renewed July 3, 1937.

Filene's, Wm., Sons Company, Boston, Mass. Golf-balls, clubs, and bags. 117,537; renewed July 17, 1937.

Finer Flavor Foods Company. (See Schuette, Herbert J.)

Fischer, J. P., Inc., New York, N. Y. Electrical hair dryers. 346,125; May 18; Serial No. 385,286; published Mar. 2, 1937. Class 44.

Franklin Simon & Co. Inc., New York, N. Y. Men's clothing. 118,921; renewed Oct. 9, 1937.

Freeman Shoe Corporation, Beloit, Wis. Boots and shoes. 346,288; May 18; Serial No. 387,941; published Mar. 9, 1937. Class 39.

Freneau, E. S., & Company, New York, N. Y. Woven fabrics in the piece. 346,177; May 18; Serial No. 386,772; published Mar. 9, 1937. Class 42.

Fromm Bros., Inc., Hamburg, Wis. Pelts and furs. 346,236; May 18; Serial No. 387,437; published Mar 9, 1937. Class 1.

Fruhauf & Musyl, Inc., Carlstadt, N. J. Ladies' hats. 346,113; May 18; Serial No. 384,456; published Mar. 9, 1937. Class 39.

Gargiulo, Albert S., Brawley, Calif. Fresh melons. 346,073; May 18; Serial No. 376,799; published Oct. 20, 1936. Class 46.

General Hosiery Company, Fort Wayne, Ind. Hosiery. 346,285–7; May 18; Serial Nos. 387,897–9; published Mar. 9, 1937. Class 39.

Gimbel Brothers, Inc., New York, N. Y. Underwear. 346,252; May 18; Serial No. 387,551; published Mar. 2, 1937. Class 39.

Glanzrock, Chas., & Co., New York, N. Y. Men's clothing. 346,215; May 18; Serial No. 387,158; published Mar 2, 1937. Class 39.

Globe Shoe Store Inc., New York, to Benny Bass, Brooklyn, N. Y., successor. Boots and shoes. 113,371; renewed Oct. 17, 1936.

Godfrey, Joe, Jr., Chicago, Ill. Periodical. 346,123. May 18; Serial No. 385,224; published Mar. 9, 1937. Class 38.

Gompes, Henri S., New York, N. Y. Astringents, astringent cerates, beauty and bleach creams, etc. 346,145. May 18; Serial No. 386,158; published Mar. 9, 1937. Class 6.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Film, sheet or strip for wrapping, packaging, and covering. 346,162; May 18; Serial No. 386,540; published Mar. 9, 1937. Class 50.

Granat, Joseph, San Francisco, Calif. Finger rings. 346,293; May 18. Class 28.

Grant, W. T., Company, New York, N. Y. Powder puffs. 346,306; May 18. Class 29.

Hamilton Chemical Products Co., Brockton, Mass. Liquid cements. 346,261; May 18; Serial No. 387,608; published Mar. 9, 1937. Class 5.

Hanes, P. H., Knitting Company, Winston-Salem, N. C. Shirts, drawers, and union suits. 346,300; May 18. Class 39.

Hearst Consolidated Publications, Inc., Atlanta, Ga. Newspaper column. 346,237; May 18; Serial No. 387,439; published Mar. 9, 1937. Class 38.

Heidsik, John, Company, The, Barberton, Ohio. Whiskey and gin. 346,291; May 18. Class 49.

Helburn, Willard, Inc., Salem, Mass. Leather. 346,267; May 18; Serial No. 387,704; published Mar. 9, 1937. Class 1.

Help Feet, Inc., Cleveland, Ohio. Foot appliances. 346,063; May 18; Serial No. 372,365; published Jan. 14, 1937. Class 44.

Hill, Harriet, assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Paper drinking-cups. 118,777; renewed Oct. 2, 1937.

Hodges, Leigh M., Philadelphia, Pa. Periodicals. 346,214; May 18; Serial No. 387,157; published Mar. 9, 1937. Class 38.

Hopeville Manufacturing Company, Inc., The, Worcester, Mass. Woolen textile fabrics. 346,128; May 18; Serial No. 385,405; published Mar. 9, 1937. Class 42.

Horn, Irving B., doing business as The Horn Company, Baltimore, Md. Whiskey. 346,196; May 18; Serial No. 387,015; published Mar. 9, 1937. Class 49.

Howard-Vaughn Co., The, Niagara Falls, N. Y., to The Howard-Vaughn Co. Inc., Los Angeles, Calif. Chemical compound for use in gasolene for internal-combustion engines. 116,322; renewed Apr. 24, 1937.

Hunter, Robert, Granite Company, Milbank, S. Dak. Finished granite. 346,062; May 18; Serial No. 372,278; published Mar. 2, 1937. Class 12.

Hut Neckwear Co. Inc., New York, N. Y. Neckties and cravats. 346,253; May 18; Serial No. 387,552; published Mar. 2, 1937. Class 39.

Industrial Chemical Powder Co. (See Sessa, Salvatore.)

International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets of paper. 346,243; May 18; Serial No. 387,504; published Mar. 9, 1937. Class 37.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 346,069; May 18; Serial No. 374,592; published Mar. 9, 1937. Class 34.

Itch-O-Cide Chemical Company, Oklahoma City, Okla. Preparation for treating skin diseases and skin infections. 346,135; May 18; Serial No. 385,734; published Mar. 9, 1937. Class 6.

Ivanhoe Foods, Inc., Auburn, N. Y. Canned salads. 346,186; May 18; Serial No. 386,948; published Mar. 9, 1937. Class 46.

Ivanhoe Foods, Inc., Auburn, N. Y. Canned salads. 346,227; May 18; Serial No. 387,280; published Mar. 9, 1937. Class 46.

Johnson, Bertha S., doing business as Montrose Chemical Co., Lowell, Mass. Fertilizers. 346,193; May 18; Serial No. 386,997; published Mar. 9, 1937. Class 10.

Kahn Tailoring Company, Indianapolis, Ind. Coats, vests, trousers, and overcoats. 346,201; May 18; Serial No. 387,073; published Mar. 2, 1937. Class 39.

Kann, Max M., & Company, Chicago, Ill. Coats, dresses, and suits. 346,068; May 18; Serial No. 373,341; published Mar. 9, 1937. Class 39.

Kay Shoe Co., The. (See Kleinfeld, Max.)

Kayser, Julius, & Co., New York, N. Y. Ladies' underwear. 346,182; May 18; Serial No. 386,862; published Mar. 9, 1937. Class 39.

Keasbey & Mattison Company, Ambler, Pa. Asbestos boards, asbestos sheets, asbestos lumber, etc. 346,136; May 18; Serial No. 385,793; published Mar. 2, 1937. Class 12.

Kelly-Burroughs Laboratory Inc., Chicago, Ill. Dental impression paste. 346,211; May 18; Serial No. 387,132; published Mar. 2, 1937. Class 44.

Kestenman Bros. Mfg. Co., Providence, R. I. Metal bracelets, clasps, and buckles. 346,314; May 18. Class 28.

King Citrus Fruit Corporation, Tampa, Fla. Fresh and canned citrus fruits. 346,155; May 18; Serial No. 386,433; published Mar. 2, 1937. Class 46.

King Clothing Company, Flint, Mich. Suits. 346,212; May 18; Serial No. 387,133; published Mar. 2, 1937. Class 39.

Kittredge, Benjamin, Brooklyn, N. Y. Printed dental certificate. 346,076; May 18; Serial No. 379,408; published Mar. 9, 1937. Class 38.

Kleinfeld, Max., doing business as The Kay Shoe Co., New York, N. Y. Shoes. 346,144; May 18; Serial No. 386,116; published Mar. 9, 1937. Class 39.

Knapp-Monarch Company, doing business as Faultless Mfg. Co., St. Louis, Mo. Infra-red lamps and therapeutic lamps. 346,311; May 18. Class 44.

Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth, Beudweis, Czechoslovakia. Coloured chalk pencils and coloured sticks. 346,321; May 18. Class 37.

Korn, Wm., Inc., New York, N. Y. Lithographic crayons, lithographic crayon paper pencils, metal marking crayons, etc. 346,187; May 18; Serial No. 386,951; published Mar. 9, 1937. Class 37.

Kuehn, Paul O., South Bend, Ind. Footwear. 346,109; May 18; Serial No. 384,261; published Mar. 9, 1937. Class 39.

Lander Co., Inc., The, New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 346,056; May 18; Serial No. 367,357; published Mar. 9, 1937. Class 6.

Lang, Harry, River Falls, Wis. Coveralls. 346,181; May 18; Serial No. 386,807; published Mar. 9, 1937. Class 39.

La Salle Hat Company, The, Philadelphia, Pa. Hats and caps. 346,116; May 18; Serial No. 384,854; published Mar. 9, 1937. Class 39.

La Salle Hat Company, The, Philadelphia, Pa. Hats and caps. 346,141; May 18; Serial No. 386,037; published Mar. 9, 1937. Class 39.

Laucks, I. F., Inc., Seattle, Wash. Plastic wall coatings. 346,173; May 18; Serial No. 386,735; published Mar. 9, 1937. Class 12.

Leeds & Northrup Company, Philadelphia, Pa. Reagents, reagent mixtures, fusel oil, etc. 346,213; May 18; Serial No. 387,136; published Mar. 9, 1937. Class 6.

Levine, Max, & Co., New York, N. Y. Tweed piece goods. 346,188; May 18; Serial No. 386,954; published Mar. 9, 1937. Class 42.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' overcoats. 346,052; May 18; Serial No. 359,362; published Mar. 12, 1937. Class 39.

Lhopitallier & Cie., (Ancienne Maison Augendre), Paris, France. Pharmaceutical preparation. 346,217; May 18; Serial No. 387,193; published Mar. 9, 1937. Class 6.

Lily-Tulip Cup Corporation. (See Hill, Harriet, assignor.)

Lithgow Corporation, Chicago, Ill. Coating materials. 346,194; May 18; Serial No. 386,999; published Mar. 9, 1937. Class 16.

Lorber Mercantile Company, Kansas City, Mo. Whiskey. 346,081; May 18; Serial No. 380,651; published Mar. 9, 1937. Class 49.

Lovett, Dr., Medicine Co. (See Balaguer, Enrique R.)

Lubri-Zol Corporation, The, Cleveland and Wickliffe, Ohio. Hydrocarbon fuels. 346,065; May 18; Serial No. 372,728; published Mar. 9, 1937. Class 15.

Lyttle Bros. Inc., New York, N. Y. Dresses and frocks. 346,117; May 18; Serial No. 384,927; published Mar. 2, 1937. Class 39.

Macy, R. H., & Co., Inc., New York, N. Y. Women's shoes. 346,268; May 18; Serial No. 387,707; published Mar. 9, 1937. Class 39.

Manteca Canning Company, Manteca, Calif. Canned food products. 346,093; May 18; Serial No. 382,483; published Mar. 9, 1937. Class 46.

March of Fashion, Inc., New York, N. Y. Motion picture film. 346,084; May 18; Serial No. 381,415; published Oct. 13, 1936. Class 26.

March of Fashion, Inc., New York, N. Y. Motion picture film. 346,098; May 18; Serial No. 383,269; published Dec. 22, 1936. Class 26.

Margolis, Rebecca, doing business as Margolis Kosher Products Co., Boston, Mass. Edible jelling composition. 346,124; May 18; Serial No. 385,265; published Mar. 9, 1937. Class 46.

Maricopa Creamery Co., Phoenix, Ariz., assignor to The Maricopa Creamery Company, Inc., New York, N. Y. Butter. 114,798; renewed Jan. 2, 1937.

Mathey-Tissot, E., et Co., Les Ponts de Martel, Neuchatel, Switzerland. Watches and clocks and parts thereof. 346,198; May 18; Serial No. 387,044; published Mar. 9, 1937. Class 27.

Matisse Bros. Inc., New York, N. Y. Lenses and glass reflectors. 346,095; May 18; Serial No. 383,098; published Mar. 9, 1937. Class 26.

Matusow, Max, doing business as The Matusow Mfg. Co., Philadelphia, Pa. Trousers, shorts, knickers, and suits. 346,153; May 18; Serial No. 386,312; published Mar. 2, 1937. Class 39.

May Department Stores Company, The, St. Louis, Mo. Women's shoes. 346,079; May 18; Serial No. 379,754; published Mar. 9, 1937. Class 39.

May Oil Burner Corporation, Baltimore, Md. Oil burners, filters, blowers, etc. 346,088; May 18; Serial No. 381,844; published Sept. 29, 1936. Class 34.

McDaniel, V., Fuel Co., Kansas City, Mo. Coal. 346,175; May 18; Serial No. 386,766; published Mar. 9, 1937. Class 1.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazine. 346,176; May 18; Serial No. 386,767; published Mar. 9, 1937. Class 38.

McIntosh, William E., Buffalo, N. Y. Fresh apples. 346,239; May 18; Serial No. 387,472; published Mar. 9, 1937. Class 46.

McKesson & Robbins, Incorporated, Bridgeport, and Fairfield, Conn. Playing cards. 346,317; May 18. Class 22.

McKesson & Robbins, Incorporated, New York, N. Y., assignor to McKesson & Robbins, Incorporated, Fairfield, Conn. Antiseptic and disinfectant. 117,680; renewed July 24, 1937.

McKesson & Robbins, Incorporated, New York, N. Y., assignor to McKesson & Robbins, Incorporated, Fairfield, Conn. Perfumery. 117,682; renewed July 24, 1937.

McVicker, W. B., Company, New York, to W. B. McVicker Company, Brooklyn, N. Y. Pipe-cleaning substance. 116,072; renewed Apr. 3, 1937.

Medicolate Mfg. Company, Philadelphia, Pa. Preparation for relief of headaches and minor aches and pains. 346,199; May 18; Serial No. 387,045; published Mar. 9, 1937. Class 6.

Meissner, C. R., Co., Inc., New York, N. Y. Tapestry wools and yarns. 346,094; May 18; Serial No. 382,722; published Jan. 12, 1937. Class 43.

Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. 346,290; May 18; Serial No. 388,016; published Mar. 9, 1937. Class 39.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth and paper and buffing cloth and paper. 346,318; May 18. Class 4.

Montague, Joseph F., New York, N. Y. Magazine. 346,108; May 18; Serial No. 384,180; published Mar. 2, 1937. Class 38.

Montrose Chemical Co. (See Johnson, Bertha S.)

Munro and Company, Limited, Edinburgh, Scotland. Stockings, scarves, gloves, etc. 346,294; May 18. Class 39.

Munro and Company, Limited, Edinburgh, Scotland. Woollen cloths and travelling rugs. 346,295; May 18. Class 42.

Narragansett Brewing Company, Cranston, R. I. Malt beverages. 346,096; May 18; Serial No. 383,100; published Mar. 9, 1937. Class 48.

Narragansett Brewing Company, Cranston, R. I. Malt beverages. 346,097; May 18; Serial No. 383,175; published Mar. 9, 1937. Class 48.

National Biscuit Company, New York, N. Y. Bakery products. 346,281–2; May 18; Serial No. 387,874–5; published Mar. 9, 1937. Class 46.

New Jersey Zinc Company, The, Newark, N. J. Trade paper. 346,244; May 18; Serial No. 387,509; published Mar. 9, 1937. Class 38.

Norton Company, Worcester, Mass. Abrading, grinding, and lapping machines; 346,163; May 18; Serial No. 386,553; published Mar. 9, 1937. Class 23.

Norwalk Tire & Rubber Company, Inc., The, Norwalk, Conn. Tires and inner tubes. 346,316; May 18. Class 35.

Novo Dental Products Co. (See Zielinski, George D.)

Nu-Dent Porcelain Studio Inc., New York, N. Y. Dentures, dental supplies. 346,156; May 18; Serial No. 386,441; published Mar. 2, 1937. Class 44.

Oakley Varnish Co., assignor to Oakley Paint Manufacturing Company, Los Angeles, Calif. Paints. 116,079; renewed Apr. 3, 1937.

Ogus, Rabinovich & Ogus Co., Chicago, Ill., assignor to Ogus, Rabinovich & Ogus, Inc., New York, N. Y. Bonnets, hats, and hat-frames. 114,269; renewed Dec. 5, 1936.

Oil Service, Incorporated, Warren, Pa. Motor lubricating oil and liquid lubricants. 346,129; May 18; Serial No. 385,424; published Mar. 9, 1937. Class 15.

Overbrook Company, Inc., The, Baltimore, Md. Whiskey and gin. 346,195; May 18; Serial No. 387,005; published Mar. 9, 1937. Class 49.

Pace, Alfred L., Rochester, N. Y. Sashes. 346,234; May 18; Serial No. 387,343; published Mar. 9, 1937. Class 39.

Pfaltz & Bauer, Inc., New York, N. Y. Astringents, astringent cerates, beauty and bleach creams, etc. 346,178; May 18; Serial No. 386,775; published Mar. 9, 1937. Class 6.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda used in the well drilling industry. 346,131; May 18; Serial No. 385,491; published Mar. 9, 1937. Class 6.

Phillips Petroleum Company, Bartlesville, Okla. Oils and greases. 346,064; May 18; Serial No. 372,687; published Mar. 2, 1937. Class 15.

Pi-Sim-O Laboratories. (See Sims, Charles E.)

Plum, P. & S., Ltd., Copenhagen, Denmark. Cheese. 346,179; May 18; Serial No. 386,776; published Mar. 9, 1937. Class 46.

Poirette Corsets, Inc., New York, N. Y. Foundation garments, corsets, brassières, etc. 346,254; May 18; Serial No. 387,558; published Mar. 2, 1937. Class 39.

Popular Magazines, Inc., Greenwich, Conn. Magazines. 346,169–71; May 18; Serial Nos. 386,691–3; published Mar. 9, 1937. Class 38.

Power Seal Co., also doing business as Power Compression Seal Co., Los Angeles, Calif. Lubricating motor oils and graphitic lubricant. 346,055; May 18; Serial No. 366,873; published Mar. 9, 1937. Class 15.

Pro-phy-lac-tic Brush Company, Northampton, Mass. Toilet brushes. 346,240; May 18; Serial No. 387,475; published Mar. 9, 1937. Class 29.

Puritan Knitting Mills Corp., Altoona, Pa. Men's and boys' bathing suits, beach robes, outer shirts, etc. 346,299; May 18. Class 39.

Pupukea Farm. (See Farrar, Richard J. H.)

Pyrrole Products Corporation, Portsmouth, Ohio. Quick acting cement for laying shoe soles. 346,140; May 18; Serial No. 385,939; published Mar. 9, 1937. Class 5.

Quahaug Rubber Company, Brookfield and North Brookfield, to Quahaug Rubber Company, North Brookfield, Mass. Rubber soles and heels. 116,551; renewed May 8, 1937. Class 39.

Randall, Henry P., Birmingham, Ala. Books in the nature of directories. 346,138; May 18; Serial No. 385,899; published Mar. 9, 1937. Class 38.

Realistic Permanent Wave Machine Co., The, Cincinnati, Ohio. Electrical permanent waving heaters, electrical hair waving apparatus. 346,112; May 18; Serial No. 384,391; published Mar. 2, 1937. Class 44.

Reed, Ed, Des Moines, Iowa. Cartoons. 346,142; May 18; Serial No. 386,047; published Mar. 2, 1937. Class 38.

Refiners to Dealers, Inc., Lockport, N. Y. Motor lubricating oils and greases. 346,168; May 18; Serial No. 386,661; published Mar. 9, 1937. Class 15.

Roddenbery Brothers, Cairo, Ga. Pickles, peanut butter, pickle relish, and table syrup. 346,157; May 18; Serial No. 386,448; published Mar. 9, 1937. Class 46.

Roddenbery, W. B., Co., Cairo, Ga. Pickles and pickle relish. 346,158; May 18; Serial No. 386,450; published Mar. 9, 1937. Class 46.

Rogers, Harry L., New York, N. Y. Tobacco pouches. 346,304; May 18. Class 8.

Rogers Peet Company, New York, N. Y. Suits and overcoats. 346,150–1; May 18; Serial Nos. 386,271–2; published Mar. 2, 1937. Class 39.

Rothschild, Maurice L., Incorporated, Chicago, Ill. Finished interlinings. 346,089; May 18; Serial No. 381,878; published Mar. 9, 1937. Class 39.

Roulements à Billes Miniatures S. A., Bienne, Switzerland. Roller and ball bearings. 346,105–6; May 18; Serial Nos. 383,821–2; published Mar. 9, 1937. Class 23.

Roycraft Clothes, Inc., New York, N. Y. Man tailored coats and suits. 346,245; May 18; Serial No. 387,515; published Mar. 9, 1937. Class 39.

Ruskin, Henry, doing business as Ruskin Products Company, Chicago, Ill. Splicer and covering for conductor wires. 346,265; May 18; Serial No. 387,685; published Mar. 9, 1937. Class 21.

Ryberg, Harry, Palo Alto, Calif. Hair tonic. 346,100; May 18; Serial No. 383,450; published Mar. 2, 1937. Class 6.

Sam-Way Hat Co. Inc., New York, N. Y. Hats. 346,189; May 18; Serial No. 386,964; published Mar. 2, 1937. Class 39.

Sampley, James B., Amarillo, Tex. Healing salve. 346,146; May 18; Serial No. 386,173; published Mar. 9, 1937. Class 6.

San Jose Canning Company. (See Santa Clara Valley Fruit & Produce Company, assignor.)

Santa Clara Valley Fruit & Produce Company, San Jose, Calif., assignor to San Jose Canning Company. Fresh broccoli, cauliflower, mustard greens, etc. 346,070; May 18; Serial No. 375,474; published Sept. 15, 1936. Class 46.

Schlansky, Philip, & Bro., Inc., New York, N. Y. Coats and suits. 346,147; May 18; Serial No. 386,174; published Mar. 2, 1937. Class 39.

Schuette, Herbert J., doing business as Finer Flaver Foods Company, Santa Monica, Calif. Canned fruits and vegetables. 346,183; May 18; Serial No. 386,872; published Mar. 9, 1937. Class 46.

Schwarz, Elmer H., doing business as Arch Draft Pipe Co., Detroit, Mich. Smokers' pipes. 346,184; May 18; Serial No. 386,873; published Mar. 9, 1937. Class 8.

Scott, Alexander A., Knoxville, Tenn. Molded parts. 346,083; May 18; Serial No. 381,089; published Mar. 9, 1937. Class 50.

Scruggs-Vandervoort-Barney Dry Goods Company, St. Louis, Mo. Shoes. 346,152; May 18; Serial No. 386,275; published Mar. 9, 1937. Class 39.

Seaboard Packing Corp., New York, N. Y. Canned food for carnivorous animals. 346,310; May 18. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Crochet cotton. 346,278; May 18; Serial No. 387,801; published Mar. 9, 1937. Class 43.

Security Thrift Supplies Corp., Newark, N. J. Pass books, receipts, and forms. 346,225; May 18; Serial No. 387,255; published Mar. 9, 1937. Class 37.

Seelman, Geo., & Sons Co., Milwaukee, Wis. Diaries, memorandum books, note books, etc. 346,315; May 18. Class 37.

Sessa, Salvatore, doing business as Industrial Chemical Powder Co., New Haven, Conn. Rust preventing compounds for automobile radiators. 346,228; May 18; Serial No. 387,289; published Mar. 9, 1937. Class 6.

Shawinigan Products Corporation, New York, N. Y. Synthetic resinous material. 346,103; May 18; Serial No. 383,651; published Mar. 9, 1937. Class 1.

Sherer-Gillett Company, Marshall, Mich. Bakers' refrigerators. 346,130; May 18; Serial No. 385,452; published Mar. 9, 1937. Class 31.

Silk Hosiery Nite. (See Berger, Adolph.)

Silverman Bros., Providence, R. I. Men's jewelry, tie holders, collar holders, etc. 346,292; May 18. Class 28.

Simmons-Boardman Publishing Corporation, New York, N. Y. Periodical. 346,166; May 18; Serial No. 386,603; published Mar. 2, 1937. Class 38.

Sims, Charles E., doing business as Pi-Sim-O Laboratories, Greenville, S. C. Preparation for treatment of piles. 346,148; May 18; Serial No. 386,176; published Mar. 9, 1937. Class 6.

Singer Manufacturing Company, The, New York, N. Y., to The Singer Manufacturing Company, Elizabeth, N. J. Electric motors for sewing-machines and controllers therefor. 118,708–11; renewed Sept. 25, 1937.

Sleeper Products, Inc., now by change of name Sleeper, Inc., Chicago, Ill. Twin studio couches. 346,087; May 18; Serial No. 381,789; published Mar. 9, 1937. Class 32.

Società Anonima Commercio Cementi Portland, Trieste, Italy. Portland cement. 346,119–20; May 18; Serial Nos. 385,156–7; published Mar. 9, 1937. Class 12.

Somay Products, Inc., Miami, Fla. Cement-base paint in powder form. 346,218; May 18; Serial No. 387,219; published Mar. 9, 1937. Class 16.

Somay Products, Inc., Miami, Fla. Water paint. 346,219; May 18; Serial No. 387,220; published Mar. 9, 1937. Class 16.

Southern Clothing Mfgr's., Inc., Tampa, Fla. Trousers. 346,200; May 18; Serial No. 387,051; published Mar. 9, 1937. Class 39.

Stowe-Woodward, Inc., Newton Upper Falls, Mass. Rubber-covered rolls for machinery. 346,160; May 18; Serial No. 386,506; published Mar. 9, 1937. Class 23.

Strathmore Paper Company, West Springfield, Mass. Paper. 346,078; May 18; Serial No. 379,716; published Mar. 9, 1937. Class 37.

Strathmore Paper Company, West Springfield, Mass. Book, cover, and printing papers. 346,220; May 18; Serial No. 387,223; published Mar. 9, 1937. Class 37.

Streit, Aron, New York, N. Y. Matzoths. 346,229; May 18; Serial No. 387,293; published Mar. 9, 1937. Class 46.

Stroock & Wittenberg Corp., New York, N. Y. House organ. 346,059; May 18; Serial No. 372,032; published Mar. 2, 1937. Class 38.

Superior Petticoat Company, Inc., New York, N. Y. Silk slips. 346,092; May 18; Serial No. 382,400; published Oct. 27, 1936. Class 39.

Ten Crown Gum Co., Inc., Naugatuck, Conn. Chewing gum. 346,277; May 18; Serial No. 387,765; published Mar. 9, 1937. Class 46.

Thermal Products Corporation, Pittsburgh, Pa. Thermal insulating material in pulverized form. 346,297; May 18. Class 12.

Tonk Bros. Co., Chicago, Ill. Concertinas and accordions, their casings, fittings, and parts. 346,075; May 18; Serial No. 378,864; published Mar. 9, 1937. Class 36.

Torme Products Co., Chicago, Ill. Cardboard toy gun. 346,221; May 18; Serial No. 387,230; published Mar. 9, 1937. Class 22.

Trinity Audit Ale Association, Ltd., The, New York, N. Y. Ale. 346,258; May 18; Serial No. 387,602; published Mar. 9, 1937. Class 48.

Tryon, Edw. K., Company, Philadelphia, Pa. Footballs, football shoulder pads, boxing gloves, etc. 346,101; May 18; Serial No. 383,494; published Mar. 9, 1937. Class 22.

Underwood Elliott Fisher Company, New York, N. Y. Typewriting machines and parts thereof. 346,080; May 18; Serial No. 380,242; published Mar. 9, 1937. Class 23.

Union Oil Company of California, Los Angeles, Calif. Benzine, heating oil, illuminating oil, kerosene, etc. 346,054; May 18; Serial No. 366,308; published Mar. 2, 1937. Class 15.

United Carbon Company, Inc., Charleston, W. Va. Carbon black. 346,259; May 18; Serial No. 387,603; published Mar. 9, 1937. Class 9.

United States Leather Selling Corporation, The. (See Allen's, N. R., Sons Company, assignor.)

United States Rubber Products, Inc., New York, N. Y. Golf balls. 346,307; May 18. Class 22.

Universal Dental Company, Philadelphia, Pa. Artificial teeth. 346,121; May 18; Serial No. 385,162; published Mar. 9, 1937. Class 44.

Universal Plastics Corporation, New Brunswick, N. J. Cosmetic containers. 346,114; May 18; Serial No. 384,486; published Mar. 9, 1937. Class 2.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 346,222; May 18; Serial No. 387,234; published Mar. 9, 1937. Class 49.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 346,308–9; May 18. Class 49.

Walsh, Daniel N. (See Borland, William E.)

Wamsutta Mills, New Bedford, Mass. Shirts, shorts, and pajamas. 346,077; May 18; Serial No. 379,654; published Mar. 2, 1937. Class 39.

Wanamaker, John, New York, New York, N. Y. Underwaists. 116,183; renewed Apr. 10, 1937.

Wanamaker, John, New York, New York, N. Y. Leather shoes. 346,302; May 18. Class 39.

Webb, Lucille E., Cleveland, Ohio. Board game. 346,185; May 18; Serial No. 386,918; published Mar. 9, 1937. Class 22.

Weissman, Fred. P., Inc., New York, N. Y. Coats. 346,235; May 18; Serial No. 387,359; published Mar. 9, 1937. Class 39.

Wells-Lamont-Smith Corporation, Minneapolis, Minn. Gloves. 346,263; May 18; Serial No. 387,638; published Mar. 9, 1937. Class 39.

Western Waterproofing Company, Detroit, Mich. Waterproof and weatherproofing compositions. 346,154; May 18; Serial No. 386,387; published Mar. 9, 1937. Class 12.

Wheeler, C. H., Manufacturing Company, Philadelphia, Pa. Condensers. 346,231; May 18; Serial No. 387,306; published Mar. 9, 1937. Class 34.

White, H. Kirk, & Co., Oconomowoc, Wis. Mouth wash. 346,264; May 18; Serial No. 387,640; published Mar. 9, 1937. Class 6.

White & Wyckoff Mfg. Company, Holyoke, Mass. Writing tablets, composition books, and note-books. 346,143; May 18; Serial No. 386,058; published Mar. 9, 1937. Class 37.

Williamsbridge Mills, Inc., New York, N. Y. Blouses, dresses, and culottes, and skirts. 346,197; May 18; Serial No. 387,017; published Mar. 2, 1937. Class 39.

Wissemann, Charles H., & Co., Inc., Richmond Hill, N. Y. Baking powder, jellies, sugar, etc. 346,115; May 18; Serial No. 384,683; published Mar. 2, 1937. Class 46.

Worth, Nina, Company, The, also doing business as The "Nina Worth Knok-Knok" Products, Los Angeles, Calif. Card game, base balls, ball bats, etc. 346,110; May 18; Serial No. 384,280; published Mar. 9, 1937. Class 22.

Wyomissing Glazed Paper Company, West Reading, Pa. Non-curling flint glazed papers, duplex papers, etc. 346,269; May 18; Serial No. 387,722; published Mar. 9, 1937. Class 37.

Yale & Towne Manufacturing Company, The, Stamford, Conn. Locks. 346,255; May 18; Serial No. 387,570; published Mar. 9, 1937. Class 25.

Young, Edward, & Co. Limited, London and Liverpool, England. Jamaica rum. 346,246; May 18; Serial No. 387,527; published Mar. 9, 1937. Class 49.

Zeiss, Carl, Jena, Germany. Photographic, microphotographic, projecting, and microscope objectives. 346,260; May 18; Serial No. 387,607; published Mar. 9, 1937. Class 26.

Zelle, Adolph G., Elkhart, Ind. Foot ball toy. 346,085; May 18; Serial No. 381,440; published Mar. 9, 1937. Class 22.

Zielinski, George D., doing business as Novo Dental Products Co., Chicago, Ill. Hydrocolloid material for dental purposes. 346,174; May 18; Serial No. 386,754; published Mar. 2, 1937. Class 44.

LIST OF REGISTRANTS OF LABELS

Acme Specialty Sales Co., Philadelphia, Pa. Handi-Kleen. For Tubes Containing No-Water Emergency Hand Soap and Paper Towels. 49,314; May 18.

Allan, Mary, Foods, Inc., San Francisco, Calif. Mary Allan. For Baking Powder Biscuits (Ready to Bake). 49,315; May 18.

Baldwin Laboratories, Inc., Saegertown, Pa. Dwin Household Insect Killer. For a Liquid Preparation for Killing Insects. 49,316; May 18.

Etter, Walter E., Ettersburg, Calif. Waltana. For Apples. 49,317; May 18.

General Ice Cream Corporation, Portland, Maine. Settler. For Apples. 49,318; May 18.

Hazard Lead Works Inc., The, Brooklyn, N. Y. Haz-A-Wear—Opake Flat Interior Finish. For Ready Mixed Paint. 49,319; May 18.

Schreiber Brewing Company, Inc., Buffalo, N. Y. Manru-Dark Lager Beer. For Lager Beer. 49,320; May 18.

Simons, Albert M., Hartford, Conn. Legion. For Blended Whiskey. 49,321; May 18.

Sunland Manufacturing Company, Minneapolis, Minn. Sunland Toasted. For Toasted Cereals. 49,322; May 18.

Warwick Chemical Company, West Warwick, R. I. Impregnole Weather-Sealed. For a Processed Fabric. 49,323; May 18.

LIST OF REGISTRANTS OF PRINTS

Holeproof Hosiery Co., Milwaukee, Wis. Pacer the New-Type Sock that has taken by Storm! For Socks. 16,192; May 18.

Katzinger, Edward, Co., Chicago, Ill. Kitchamajigs. For Kitchen Tools. 16,193; May 18.

Kerman Stores Company, Chicago, Ill. The Quality Store of Quality Street. For Fur Coats and Fur Trimmed Coats. 16,194; May 18.

Parker Pen Company, The, Janesville, Wis. Yes, His Face turned Red and I felt like a Fool when My Pen ran Dry on the Dotted Line! For Fountain Pens, Mechanical Pencils and Ink. 16,195; May 18.

Royal Hawaiian Distributing Company Division of Pang See & Co. Ltd., The, Honolulu, Hawaii. Royal Hawaiian Cocoanut Craft. For Hawaiian Cocoanuts. 16,196; May 18.

Rudofker's, S., Sons, Philadelphia, Pa. After Six. For Men's Formal Wear. 16,197; May 18.

Stearns, Frederick, & Company, Detroit, Mich. Crest-Line. For Medical Products. 16,198; May 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. V. McDaniel Fuel Co. 346,175; May 18; Serial No. 386,766; published Mar. 9, 1937.

Leather. Amalgamated Leather Companies. 346,191; May 18; Serial No. 386,976; published Mar. 9, 1937.

Leather. Amalgamated Leather Companies. 346,248; May 18; Serial No. 387,531; published Mar. 9, 1937.

Leather. Amalgamated Leather Companies. 346,283; May 18; Serial No. 387,882; published Mar. 9, 1937.

Leather. Willard Helburn, Inc. 346,267; May 18; Serial No. 387,704; published Mar. 9, 1937.

Pelts and furs. Fromm Bros., Inc. 346,236; May 18; Serial No. 387,437; published Mar. 9, 1937.

Resinous material, Synthetic. Shawinigan Products Corporation. 346,103; May 18; Serial No. 383,651; published Mar. 9, 1937.

Seed-corn, seed-grain, grass-seeds, clover and field seeds. E. W. Conklin & Son, Inc. 117,420; renewed July 10, 1937.

CLASS 2

Containers, Cosmetic. Universal Plastics Corporation. 346,114; May 18; Serial No. 384,486; published Mar. 9, 1937.

Containers, Paper. Champion Container Company. 346,159; May 18; Serial No. 386,481; published Mar. 9, 1937.

Cups, Paper drinking. H. Hill. 118,777; renewed Oct. 2, 1937.

CLASS 3

Handbags, pocketbooks, portfolios, etc. Boyle Leather Goods Co. 346,322; May 18.

CLASS 4

Abrasive cloth and paper and buffing cloth and paper. Minnesota Mining & Manufacturing Company. 346,318; May 18.

CLASS 5

Cement for laying shoe soles, Quick acting. Pyrrole Products Corporation. 346,140; May 18; Serial No. 385,939; published Mar. 9, 1937.

Cements, Liquid. Hamilton Chemical Products Co. 346,261; May 18; Serial No. 387,608; published Mar. 9, 1937.

CLASS 6

Antiseptic and disinfectant. McKesson & Robbins, Incorporated. 117,680; renewed July 24, 1937.

Astringents, astringent cerates, bleach and beauty creams, etc. Lander Co. 346,056; May 18; Serial No. 367,357; published Mar. 9, 1937.

Astringents, astringent cerates, beauty and bleach creams, etc. H. S. Gompes. 346,145; May 18; Serial No. 386,158; published Mar. 9, 1937.

Astringents, astringent cerates, beauty and bleach creams, etc. Pfaltz & Bauer, Inc. 346,178; May 18; Serial No. 386,775; published Mar. 9, 1937.

Chemical bleaching preparations, spot and stain removers, etc. Eaton-Clark Company. 346,172; May 18; Serial No. 386,726; published Mar. 9, 1937.

Chemical compound for use in gasolene for internal-combustion engines. Howard-Vaughn Co. 116,322; renewed Apr. 24, 1937.

Chemical reagents, biological stains, chemical indicators, etc. Coleman & Bell Company. 346,058; May 18; Serial No. 369,440; published Mar. 9, 1937.

Chemicals, drugs, pharmaceuticals, etc., Various. Abbott Laboratories. 346,126; May 18; Serial No. 385,331; published Mar. 9, 1937.

Hair tonic. H. Ryberg. 346,100; May 18; Serial No. 383,450; published Mar. 2, 1937.

Mouth wash. H. Kirk White & Co. 346,264; May 18; Serial No. 387,640; published Mar. 9, 1937.

Perfumery. McKesson & Robbins, Incorporated. 117,682; renewed July 24, 1937.

Perfumes. Associated Merchandising Corporation. 346,099; May 18; Serial No. 383,342; published Mar. 9, 1937.

Pharmaceutical preparation. Lhopitallier & Cie., (Ancienne Maison Augendre). 346,217; May 18; Serial No. 387,193; published Mar. 9, 1937.

Pickle for steel, Rustless. American Chemical Paint Company. 117,281; renewed July 3, 1937.

Pipe-cleaning substance. W. B. McVicker Company. 116,072; renewed Apr. 3, 1937.

Powders, creams, lotions, tonics, etc., Face. Benjamin Ansehl Company. 346,127; May 18; Serial No. 385,387; published Mar. 9, 1937.

Preparation for relief of headaches and minor aches and pains. Medicolate Mfg. Company. 346,199; May 18; Serial No. 387,045; published Mar. 9, 1937.

Preparation for treating skin diseases and skin infections. Itch-O-Cide Chemical Company. 346,135; May 18; Serial No. 385,734; published Mar. 9, 1937.

Preparation for treatment of piles. C. E. Sims. 346,148; May 18; Serial No. 386,176; published Mar. 9, 1937.

Preparation used in the treatment of lung and throat troubles. Carleton and Hovey Company. 346,139; May 18; Serial No. 385,924; published Mar. 9, 1937.

Preparations for purification of the blood, etc. E. R. Balaguer. 346,230; May 18; Serial No. 387,303; published Mar. 9, 1937.

Reagents, reagent mixtures, fusel oil, etc. Leeds & Northrup Company. 346,213; May 18; Serial No. 387,136; published Mar. 9, 1937.

Remedy for diseases and disorders of the uterus. B. L. Cole. 116,289; renewed Apr. 24, 1937.

Remedy, Poultry. Burrell-Miller. 115,730; renewed Mar. 6, 1937.

Rust preventing compounds for automobile radiators. S. Sessa. 346,228; May 18; Serial No. 387,289; published Mar. 9, 1937.

Salve. W. E. Borland. 114,329; renewed Dec. 12, 1936.

Salve, Healing. J. B. Sampley. 346,146; May 18; Serial No. 386,173; published Mar. 9, 1937.

Shampoo. Colgate-Palmolive-Peet Company. 346,224; May 18; Serial No. 387,239; published Mar. 2, 1937.

Silicate of soda used in the well drilling industry. Philadelphia Quartz Company. 346,131; May 18; Serial No. 385,491; published Mar. 9, 1937.

CLASS 8

Pipes, Smokers'. E. H. Schwarz. 346,184; May 18; Serial No. 386,873; published Mar. 9, 1937.

Tobacco pouches. H. L. Rogers. 346,304; May 18.

CLASS 9

Carbon black. United Carbon Company. 346,259; May 18; Serial No. 387,603; published Mar. 9, 1937.

CLASS 10

Fertilizers. B. S. Johnson. 346,193; May 18; Serial No. 386,997; published Mar. 9, 1937.

CLASS 12

Asbestos boards, asbestos sheets, asbestos lumber, etc. Keasbey & Mattison Company. 346,136; May 18; Serial No. 385,793; published Mar. 2, 1937.

Building boards, Wood pulp. Agasote Millboard Co. 346,301; May 18.

Cement, Portland. Società Anonima Commercio Cementi Portland. 346,119–20; May 18; Serial Nos. 385,156–7; published Mar. 9, 1937.

Coatings, Plastic wall. I. F. Laucks, Inc. 346,173; May 18; Serial No. 386,735; published Mar. 9, 1937.

Granite, Finished. Robert Hunter Granite Company. 346,062; May 18; Serial No. 372,278; published Mar. 2, 1937.

Insulating material, Thermal. Thermal Products Corporation. 346,297; May 18.

Lime, gypsum, etc. Aluminum Ore Company. 346,137; May 18; Serial No. 385,820; published Mar. 9, 1937.

Plastic wall finish. American Sun Texture Products Corporation. 346,048; May 18; Serial No. 332,215; published Mar. 2, 1937.

Waterproof and weatherproofing compositions. Western Waterproofing Company. 346,154; May 18; Serial No. 386,387; published Mar. 9, 1937.

Weather strips, threshold weather and dust proofing devices. J. F. Fauner. 346,313; May 18.

CLASS 13

Casters and slides, metal drawer pulls and knobs, etc. Bassick Company. 346,203; May 18; Serial No. 387,105; published Mar. 9, 1937.

Casters, Furniture. Bassick Company. 346,202; May 18; Serial No. 387,103; published Mar. 9, 1937.

Casters, Furniture. Bassick Company. 346,204–9; May 18; Serial Nos. 387,106–11; published Mar. 9, 1937.

Hardware, Chair. Bassick Company. 346,210; May 18; Serial No. 387,112; published Mar. 9, 1937.

Nozzles, Oil burner. Balloffet Dies & Nozzle Company. 346,319; May 18.

CLASS 14

Metals resembling bronze and castings made from said metal. American Metal Products Company. 117,240; renewed June 26, 1937.

CLASS 15

Fuels, Hydrocarbon. Lubri-Zol Corporation. 346,065; May 18; Serial No. 372,728; published Mar. 9, 1937.

Grease, Lubricating. Battenfeld Grease & Oil Corp. 346,074; May 18; Serial No. 378,125; published Mar. 9, 1937.

Oil and liquid lubricants, Motor lubricating. Oil Service, Incorporated. 346,129; May 18; Serial No. 385,424; published Mar. 9, 1937.

Oil, Illuminating oil, kerosene, etc., Benzine, heating. Union Oil Company of California. 346,054; May 18; Serial No. 366,308; published Mar. 2, 1937.

Oils and graphitic lubricant, Lubricating motor. Power Seal Co. 346,055; May 18; Serial No. 366,873; published Mar. 9, 1937.

Oil and greases. Phillips Petroleum Company. 346,064; May 18; Serial No. 372,687; published Mar. 2, 1937.

Oils and lubricating fats, Lubricating mineral. Azienda Italiana Lubrificanti Clarenty Minerali Originali e Vegetali Nazionali. 346,086; May 18; Serial No. 381,603; published Mar. 9, 1937.

Oils and lubricating greases, Motor lubricating. Refiners to Dealers, Inc. 346,168; May 18; Serial No. 386,661; published Mar. 9, 1937.

CLASS 16

Color art medium, Compacted dry. Binney & Smith Company. 346,232; May 18; Serial No. 387,310; published Mar. 9, 1937.

Coating materials. Lithgow Corporation. 346,194; May 18; Serial No. 386,999; published Mar. 9, 1937.

Paint in powder form, Cement-base. Somay Products, Inc. 346,218; May 18; Serial No. 387,219; published Mar. 9, 1937.

Paint, Water. Somay Products, Inc. 346,219; May 18; Serial No. 387,220; published Mar. 9, 1937.

Paints. Oakley Varnish Co. 116,079; renewed Apr. 3, 1937.

CLASS 17

Cigarettes. Axton-Fisher Tobacco Company. 346,271; May 18; Serial No. 387,727; published Mar. 9, 1937.

Cigarettes. Axton-Fisher Tobacco Company. 346,272; May 18; Serial No. 387,729; published Mar. 9, 1937.

CLASS 21

Dry cells and batteries of dry cells. Bond Electric Corporation. 346,053; May 18; Serial No. 364,912; published Mar. 9, 1937.

Electric lamps. C. N. Burman Co. 346,298; May 18.

Electric waffle irons. Bersted Manufacturing Company. 346,303; May 18.

Motors for sewing-machines and controllers therefor, Electric. Singer Manufacturing Company. 118,708–11; renewed Sept. 25, 1937.

Splicer and covering for conductor wires. H. Ruskin. 346,265; May 18; Serial No. 387,685; published Mar. 9, 1937.

CLASS 22

Balls, clubs and bags, Golf. Wm. Filene's Sons Company. 117,537; renewed July 17, 1937.

Cards, Playing. McKesson & Robbins, Incorporated. 346,317; May 18.

Footballs, football shoulder pads, boxing gloves, etc. Edw. K. Tryon Company. 346,101; May 18; Serial No. 383,494; published Mar. 9, 1937.

Game, base balls, ball bats, etc., Card. Nina Worth Company. 346,110; May 18; Serial No. 384,280; published Mar. 9, 1937.

Game, Board. L. E. Webb. 346,185; May 18; Serial No. 386,918; published Mar. 9, 1937.

Golf balls. United States Rubber Products, Inc. 346,307; May 18.

Toy, Foot ball. A. G. Zelle. 346,085; May 18; Serial No. 381,440; published Mar. 9, 1937.

Toy gun, Cardboard. Torme Products Co. 346,221; May 18; Serial No. 387,230; published Mar. 9, 1937.

CLASS 23

Abrading, grinding, and lapping machines. Norton Company. 346,163; May 18; Serial No. 386,553; published Mar. 9, 1937.

Abrasive blast apparatus. American Foundry Equipment Company. 346,270; May 18; Serial No. 387,726; published Mar. 9, 1937.

Bearings, Roller and ball. Roulements à Billes Miniatures S. A. 346,105–6; May 18; Serial No. 383,821–2; published Mar. 9, 1937.

Razor blades, Safety. Colton Razor Blade Company. 346,238; May 18; Serial No. 387,453; published Mar. 9, 1937.

Rolls for machinery, Rubber-covered. Stowe-Woodward, Inc. 346,160; May 18; Serial No. 386,506; published Mar. 9, 1937.

Spoons, knives, forks, etc. American Dirigold Corporation. 346,061; May 18; Serial No. 372,192; published Mar. 9, 1937.

Typewriting machines and parts thereof. Underwood Elliott Fisher Company. 346,080; May 18; Serial No. 380,242; published Mar. 9, 1937.

CLASS 24

Washing machines, Laundry. Automatic Washer Company. 346,190; May 18; Serial No. 386,975; published Mar. 9, 1937.

CLASS 25

Locks. Yale & Towne Manufacturing Company. 346,255; May 18; Serial No. 387,570; published Mar. 9, 1937.

CLASS 26

Film, Motion picture. March of Fashion, Inc. 346,084; May 18; Serial No. 381,415; published Oct. 13, 1936.
Film, Motion picture. March of Fashion, Inc. 346,098; May 18; Serial No. 383,209; published Dec. 22, 1936.
Lenses and glass reflectors. Matisse Bros. Inc. 346,095; May 18; Serial No. 383,098; published Mar. 9, 1937.
Photographic, microphotographic, projecting, and microscope objectives. C. Zeiss. 346,260; May 18; Serial No. 387,607; published Mar. 9, 1937.

CLASS 27

Watches and clocks and parts thereof. E. Mathey-Tissot et Co. 346,198; May 18; Serial No. 387,044; published Mar. 9, 1937.

CLASS 28

Bracelets, clasps, and buckles, Metal. Kestenman Bros. Mfg. Co. 346,314; May 18.
Jewelry, tie holders, collar holders, etc., Men's. Silverman Bros. 346,292; May 18.
Rings, Finger. J. Granat. 346,293; May 18.

CLASS 29.

Brushes, Toilet. Pro-phy-lac-tic Brush Company. 346,240; May 18; Serial No. 387,475; published Mar. 9, 1937.
Powder puffs. Columbia Plush & Puff Co. 346,060; May 18; Serial No. 372,046; published Mar. 9, 1937.
Powder puffs. W. T. Grant Company. 346,306; May 18.

CLASS 31

Mineral material for purifying water of tastes and odors, Granular. C. F. Burgess Laboratories, Inc. 346,102; May 18; Serial No. 383,569; published Mar. 9, 1937.
Refrigerating car apparatus, Railway. Equipment Specialties Company. 46,067; May 18; Serial No. 373,251; published Mar. 9, 1937.
Refrigerators, Bakers'. Sherer-Gillett Company. 346,130; May 18; Serial No. 385,452; published Mar. 9, 1937.

CLASS 32

Couches, Twin studio. Sleeper Products, Inc. 346,087; May 18; Serial No. 381,789; published Mar. 9, 1937.
Furniture, Upholstered. B. Altman & Co. 118,732; renewed Oct. 2, 1937.
Sofas, chairs, love seats, and pillows, Upholstered. Bullock's, Inc. 346,273; May 18; Serial No. 387,736; published Mar. 9, 1937.

CLASS 34

Burners, Automatic coal. Iron Fireman Manufacturing Company. 346,069; May 18; Serial No. 374,592; published Mar. 9, 1937.
Burners, filters, blowers, etc., Oil. May Oil Burner Corporation. 346,088; May 18; Serial No. 381,844; published Sept. 29, 1936.
Condensers. C. H. Wheeler Manufacturing Company. 346,231; May 18; Serial No. 387,306; published Mar. 9, 1937.

CLASS 35

Tires and inner tubes. Norwalk Tire & Rubber Company. 346,316; May 18.

CLASS 36

Concertinas and accordions, their casings, fittings, and parts. Tonk Bros. Co. 346,075; May 18; Serial No. 378,864; published Mar. 9, 1937.

CLASS 37

Book covers. I. Berkman. 346,266; May 18; Serial No. 387,696; published Mar. 9, 1937.
Chalk pencils and coloured sticks, Coloured. Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth. 346,321; May 18.
Crayons, lithographic crayon paper pencils, metal marking crayons, etc., Lithographic. Wm. Korn, Inc. 346,187; May 18; Serial No. 386,951; published Mar. 9, 1937.
Diaries, memorandum books, note books, etc. Geo. Seelman & Sons Co. 346,315; May 18.
Paper. Chicago Paper Company. 346,284; May 18; Serial No. 387,888; published Mar. 9, 1937.
Paper. Strathmore Paper Company. 346,078; May 18; Serial No. 379,716; published Mar. 9, 1937.
Paper, Wrapping. Detroit Sulphite Pulp & Paper Co. 346,132; May 18; Serial No. 385,566; published Mar. 9, 1937.
Papers, book, cover, and printing. Strathmore Paper Company. 346,220; May 18; Serial No. 387,223; published Mar. 9, 1937.
Papers, duplex papers, etc., Non-curling flint glazed papers. Wyomissing Glazed Paper Company. 346,269; May 18; Serial No. 387,722; published Mar. 9, 1937.
Pass books, reeclpts, and forms. Security Thrift Supplies Corp. 346,225; May 18; Serial No. 387,255; published Mar. 9, 1937.
Pens, inkwells, and desk sets, Fountain. Esterbrook Steel Pen Manufacturing Company. 346,090; May 18; Serial No. 381,978; published Mar. 9, 1937.
Sheets made of paper, Absorbent face cleansing. International Cellucotton Products Company. 346,243; May 18; Serial No. 387,504; published Mar. 9, 1937.
Tablets, composition books, and note-books, Writing. White & Wyckoff Mfg. Company. 346,143; May 18; Serial No. 386,058; published Mar. 9, 1937.

CLASS 38

Automotive lubrication and accessory equipment information. Chek-Chart Corporation. 346,122; May 18; Serial No. 385,213; published Mar. 2, 1937.
Books in the nature of directories. H. P. Randall. 346,138; May 18; Serial No. 385,899; published Mar. 9, 1937.
Bulletins. American Humane Association. 118,256; renewed Aug. 28, 1937.
Cartoons. E. Reed. 346,142; May 18; Serial No. 386,047; published Mar. 2, 1937.
Cartoons, Newspaper. Esquire Features, Inc. 346,242; May 18; Serial No. 387,500; published Mar. 9, 1937.
Certificate, Printed dental. B. Kittredge. 346,076; May 18; Serial No. 379,408; published Mar. 9, 1937.
House organ. Stroock & Wittenberg Corp. 346,059; May 18; Serial No. 372,032; published Mar. 2, 1937.
Magazine. American Automobile Association Publishing Company. 118,132; renewed Aug. 21, 1937.
Magazine. McGraw-Hill Publishing Company. 346,176; May 18; Serial No. 386,767; published Mar. 9, 1937.
Magazine. J. F. Montague. 346,108; May 18; Serial No. 384,180; published Mar. 2, 1937.
Magazines. Popular Magazines, Inc. 346,169-1; May 18; Serial No. 386,691-3; published Mar. 9, 1937.
Newspaper column. Hearst Consolidated Publications, Inc. 346,237; May 18; Serial No. 387,439; published Mar. 9, 1937.
Periodical. Beauty Digest Corporation. 346,216; May 18; Serial No. 387,165; published Mar. 9, 1937.
Periodical. J. Godfrey, Jr. 346,123; May 18; Serial No. 385,224; published Mar. 9, 1937.
Periodical. Simmons-Boardman Publishing Corporation. 346,166; May 18; Serial No. 386,603; published Mar. 2, 1937.
Periodicals. L. M. Hodges. 346,214; May 18; Serial No. 387,157; published Mar. 9, 1937.
Publications and periodicals. Civic Activities Association. 346,057; May 18; Serial No. 368,400; published Mar. 9, 1937.
Title of a monthly publication. Emerson Electric Manufacturing Company. 118,507; renewed Sept. 18, 1937.
Trade paper. New Jersey Zinc Company. 346,241; May 18; Serial No. 387,509; published Mar. 9, 1937.

CLASS 39

Blouses, dresses, and culottes, and skirts. Williamsbridge Mills, Inc. 346,197; May 18; Serial No. 387,017; published Mar. 2, 1937.
Bonnets, hats, and hat-frames. Ogus, Rabinovich & Ogus Co. 114,269; renewed Dec. 5, 1936.
Boots and shoes. Freeman Shoe Corporation. 346,288; May 18; Serial No. 387,941; published Mar. 9, 1937.
Boots and shoes. Globe Shoe Store Inc. 113,371; renewed Oct. 17, 1936.
Clothing. Wm. Filene's Sons Company. 117,305; renewed July 3, 1937.
Clothing, Men's. Chas. Glanzrock & Co. 346,215; May 18; Serial No. 387,158; published Mar. 2, 1937.
Clothing, Men's. Franklin Simon & Co. Inc. 118,921; renewed Oct. 9, 1937.
Coats. Fred. P. Weissman Inc. 346,235; May 18; Serial No. 387,359; published Mar. 9, 1937.
Coats and suits. Philip Schlansky & Bro., Inc. 346,147; May 18; Serial No. 386,174; published Mar. 2, 1937.
Coats and suits, Man tailored. Roycraft Clothes, Inc. 346,245; May 18; Serial No. 387,515; published Mar. 9, 1937.
Coats, dresses, and suits. Max M. Kann & Company. 346,068; May 18; Serial No. 373,341; published Mar. 9, 1937.
Coats, Fur. Boggs & Buhl. 346,091; May 18; Serial No. 382,033; published Mar. 2, 1937.
Coats, scarfs, and neck pieces, Fur. George J. Baruch, Inc. 346,167; May 18; Serial No. 386,628; published Mar. 2, 1937.
Coats, vests, trousers, and overcoats. Kahn Tailoring Company. 346,201; May 18; Serial No. 387,073; published Mar. 2, 1937.
Corsets, brassières, corselets, and girdles. Dominion Corset Company Limited. 346,066; May 18; Serial No. 372,966; published Mar. 9, 1937.
Coveralls. H. Lang. 346,181; May 18; Serial No. 386,807; published Mar. 9, 1937.
Dresses and frocks. Lyttle Bros. Inc. 346,117; May 18; Serial No. 384,927; published Mar. 2, 1937.
Dresses, sweaters, and blouses, Knitted. Burney Epstein, Inc. 346,247; May 18; Serial No. 387,528; published Mar. 9, 1937.
Footwear. P. O. Kuehn. 346,109; May 18; Serial No. 384,261; published Mar. 9, 1937.
Garments, corsets, brassières, etc., Foundation. Poirette Corsets, Inc. 346,254; May 18; Serial No. 387,558; published Mar. 2, 1937.
Gloves. Wells-Lamont-Smith Corporation. 346,263; May 18; Serial No. 387,638; published Mar. 9, 1937.

Hats. Sam-Way Hat Co. Inc. 346,189; May 18; Serial No. 386,964; published Mar. 2, 1937.
Hats and caps. La Salle Hat Company. 346,116; May 18; Serial No. 384,854; published Mar. 9, 1937.
Hats and caps. La Salle Hat Company. 346,141; May 18; Serial No. 386,037; published Mar. 9, 1937.
Hats, Ladies'. Fruhauf & Musyl, Inc. 346,113; May 18; Serial No. 384,456; published Mar. 9, 1937.
Hosiery. Cooper, Wells & Company. 346,249; May 18; Serial No. 387,542; published Mar. 9, 1937.
Hosiery. Cooper, Wells & Company. 346,250; May 18; Serial No. 387,543; published Mar. 9, 1937.
Hosiery. General Hosiery Company. 346,285-7; May 18; Serial Nos. 387,897-9; published Mar. 9, 1937.
Hosiery, Ladies'. M. D. Burke. 346,223; May 18; Serial No. 387,238; published Mar. 2, 1937.
Hosiery, Ladies' silk. A. Berger. 346,164; May 18; Serial No. 386,577; published Mar. 9, 1937.
Interlinings, Finished. Maurice L. Rothschild, Incorporated. 346,089; May 18; Serial No. 381,878; published Mar. 9, 1937.
Neckties. Botany Worsted Mills. 346,289; May 18; Serial No. 387,982; published Mar. 9, 1937.
Neckties and cravats. Hut Neckwear Co. Inc. 346,253; May 18; Serial No. 387,552; published Mar. 2, 1937.
Overcoats, Men's and boys'. Levy Bros. & Adler Rochester, Incorporated. 346,052; May 18; Serial No. 359,362; published Mar. 12, 1935.
Raincoats. Alligator Company. 346,241; May 18; Serial No. 387,485; published Mar. 9, 1937.
Rubber soles and heels. Quahaug Rubber Company. 116,551; renewed May 8, 1937.
Sashes. A. L. Pace. 346,234; May 18; Serial No. 387,343; published Mar. 9, 1937.
Shirts, drawers, and union suits. P. H. Hanes Knitting Company. 346,300; May 18.
Shirts, shorts, and pajamas. Wamsutta Mills. 346,077; May 18; Serial No. 379,654; published Mar. 2, 1937.
Shoes. M. Kleinfeld. 346,144; May 18; Serial No. 386,116; published Mar. 9, 1937.
Shoes. Scruggs-Vandervoort-Barney Dry Goods Company. 346,152; May 18; Serial No. 386,275; published Mar. 9, 1937.
Shoes, Ladies'. I. Miller & Sons, Inc. 346,290; May 18; Serial No. 388,016; published Mar. 9, 1937.
Shoes, Leather. John Wanamaker New York. 346,302; May 18.
Shoes, Women's. R. H. Macy & Co. 346,268; May 18; Serial No. 387,707; published Mar. 9, 1937.
Shoes, Women's. May Department Stores Company. 346,079; May 18; Serial No. 379,754; published Mar. 9, 1937.
Slippers. Commonwealth Shoe & Leather Company. 346,149; May 18; Serial No. 386,246; published Feb. 23, 1937.
Slips, Silk. Superior Petticoat Company. 346,092; May 18; Serial No. 382,400; published Oct. 27, 1936.
Sole-strips. N. R. Allen's Sons Company. 117,729; renewed July 31, 1937.
Stockings, scarves, gloves, etc. Munro and Company. 346,294; May 18.
Suits. King Clothing Company. 346,212; May 18; Serial No. 387,133; published Mar. 2, 1937.
Suits and overcoats. Rogers Peet Company. 346,150-1; May 18; Serial Nos. 386,271-2; published Mar. 2, 1937.
Suits, beach robes, outer shirts, etc., Men's and boys' bathing. Puritan Knitting Mills Corp. 346,299; May 18.
Suits, top coats, and overcoats. H. Belle. 346,118; May 18; Serial No. 385,119; published Mar. 2, 1937.
Trousers. Southern Clothing Mfgr's., Inc. 346,200; May 18; Serial No. 387,051; published Mar. 9, 1937.
Trousers, shorts, knickers, and suits. M. Matusow. 346,153; May 18; Serial No. 386,312; published Mar. 2, 1937.
Underwaists. John Wanamaker New York. 116,183; renewed Apr. 10, 1937.
Underwear. Gimbel Brothers, Inc. 346,252; May 18; Serial No. 387,551; published Mar. 2, 1937.
Underwear, Ladies'. Julius Kayser & Co. 346,182; May 18; Serial No. 386,862; published Mar. 9, 1937.
Underwear, pajamas, nightgowns, and dresses, Rayon. Dutchess Underwear Corporation. 346,280; May 18; Serial No. 387,863; published Mar. 9, 1937.

CLASS 40

Needles. American Merchandise Co. Inc. 346,279; May 18; Serial No. 387,809; published Mar. 9, 1937.
Tape. Evrstay Crease Company. 346,296; May 18.

CLASS 42

Acetate and rayon crepe fabric. Colonial Mills, Inc. 346,082; May 18; Serial No. 380,758; published Aug. 25, 1936.
Cotton, Crochet. Sears, Roebuck and Co. 346,278; May 18; Serial No. 387,801; published Mar. 9, 1937.
Ducks, Double filling. Corsicana Cotton Mills. 346,275-6; May 18; Serial Nos. 387,741-2; published Mar. 9, 1937.
Fabrics in the piece, Woven. E. S. Freneau & Company. 346,177; May 18; Serial No. 386,772; published Mar. 9, 1937.
Handkerchiefs. Cluett, Peabody & Co. 118,860; renewed Oct. 9, 1937.
Piece goods. S. J. Aronsohn, Inc. 346,111; May 18; Serial No. 384,314; published Mar. 9, 1937.
Piece goods. Emporium. 346,161. May 18; Serial No. 386,535; published Mar. 9, 1937.
Rugs and carpets, Woven textile. Bigelow-Sanford Carpet Co. Inc. 346,312; May 18.
Tweed piece goods. Max Levine & Co. 346,188; May 18; Serial No. 386,954; published Mar. 9, 1937.
Woolen textile fabrics. Hopeville Manufacturing Company. 346,128; May 18; Serial No. 385,405; published Mar. 9, 1937.
Woolen cloths in the piece and travelling rugs. Munro and Company. 346,295; May 18.

CLASS 43

Wools and yarns, Tapestry. C. R. Meissner Co. 346,094; May 18; Serial No. 382,722; published Jan. 12, 1937.

CLASS 44

Alloy, artificial teeth, inlays, etc., Dental. Consolidated Dental Manufacturing Company. 346,233; May 18; Serial No. 387,313; published Mar. 2, 1937.
Dental instruments, materials, and appliances. A. Charleston. 346,071; May 18; Serial No. 376,456; published Mar. 2, 1937.
Dentures, dental supplies. Nu-Dent Porcelain Studio Inc. 346,156; May 18; Serial No. 386,441; published Mar. 2, 1937.
Foot appliances. Help Feet, Inc. 346,063; May 18; Serial No. 372,365; published Jan. 14, 1936.
Hair dryers, Electrical. J. P. Fischer, Inc. 346,125; May 18; Serial No. 385,286; published Mar. 2, 1937.
Hot-water bottles, syringes, ice-caps, etc. Geo. L. Claflin Company. 118,156; renewed Aug. 21, 1937.
Hydrocolloid material for dental purposes. G. D. Zielinski. 346,174; May 18; Serial No. 386,754; published Mar. 2, 1937.
Lamps and therapeutic lamps, Infra-red. Knapp-Monarch Company. 346,311; May 18.
Paste, Dental impression. Kelly Burroughs Laboratory Inc. 346,211; May 18; Serial No. 387,132; published Mar. 2, 1937.
Permanent hair waving and hair drying machines, Electric. C. & W. Manufacturing Co. 346,192; May 18; Serial No. 386,982; published Mar. 2, 1937.
Permanent waving heaters, electrical hair waving apparatus, Electrical. Realistic Permanent Wave Machine Co. 346,112; May 18; Serial No. 384,391; published Mar. 2, 1937.
Teeth, Artificial. Dentists' Supply Company of New York. 346,133; May 18; Serial No. 385,626; published Mar. 2, 1937.
Teeth, Artificial. Universal Dental Company. 346,121; May 18; Serial No. 385,162; published Mar. 9, 1937.

CLASS 45

Drinks, Soft. Blue Seal Extract Company. 346,262; May 18; Serial No. 387,618; published Mar. 9, 1937.

CLASS 46

Apples, Fresh. W. E. McIntosh. 346,239; May 18; Serial No. 387,472; published Mar. 9, 1937.
Bakery products. National Biscuit Company. 346,281-2; May 18; Serial Nos. 387,874-5; published Mar. 9, 1937.
Baking powder, jellies, sugar, etc. Charles H. Wissemann & Co. Inc. 346,115; May 18; Serial No. 384,683; published Mar. 2, 1937.
Bread. Fehr Baking Company of Beaumont. 346,104; May 18; Serial No. 383,803; published Mar. 9, 1937.
Broccoli, cauliflower, mustard greens, etc., Fresh. Santa Clara Valley Fruit & Produce Company. 346,070; May 18; Serial No. 375,474; published Sept. 15, 1936.
Butter. Denman & Hernes, Inc. 346,251; May 18; Serial No. 387,546; published Mar. 9, 1937.
Butter. Maricopa Creamery Co. 114,798; renewed Jan. 2, 1937.
Canned food for carnivorous animals. Seaboard Packing Corp. 346,310; May 18.
Canned food products. Manteca Canning Company. 346,093; May 18; Serial No. 382,483; published Mar. 9, 1937.
Canned fruits and vegetables. H. J. Schuette. 346,183; May 18; Serial No. 386,872; published Mar. 9, 1937.
Canned salads. Ivanhoe Foods, Inc. 346,186; May 18; Serial No. 386,948; published Mar. 9, 1937.
Canned salads. Ivanhoe Foods, Inc. 346,227; May 18; Serial No. 387,280; published Mar. 9, 1937.
Cheese. P. & S. Plum Ltd. 346,179; May 18; Serial No. 386,776; published Mar. 9, 1937.
Cocoa, coffee, canned milk, canned dog food, etc. D. C. Unit of Nation-Wide Service Grocers, Inc. 346,165; May 18; Serial No. 386,580; published Mar. 9, 1937.
Confections, Frozen. Eskimo Pie Corporation. 346,180; May 18; Serial No. 386,796; published Mar. 9, 1937.
Edible jelling composition. R. Margolis. 346,124; May 18; Serial No. 385,265; published Mar. 9, 1937.
Flour, Buckwheat and wheat. Albers Bros. Milling Co. 346,051; May 18; Serial No. 357,702; published Mar. 9, 1937.
Flour, Pancake. Bowles Bros. Co. 115,156; renewed Jan. 30, 1937.

Food beverage. M. D. Aydelotte. 346,226; May 18; Serial No. 387,262; published Mar. 9, 1937.
Food, Poultry. C. E. Bash and Co. 117,509; renewed July 17, 1937.
Fruits and vegetables, Fresh deciduous. R. J. H. Farrar. 346,072; May 18; Serial No. 376,578; published Mar. 9, 1937.
Fruits, Fresh and canned citrus. King Citrus Fruit Corporation. 346,155; May 18; Serial No. 386,433; published Mar. 2, 1937.
Fruits, Fresh citrus. Edison Orange Growers Association. 346,107; May 18; Serial No. 383,878; published Mar. 9, 1937.
Gum, Chewing. Ten Crown Gum Co. 346,277; May 18; Serial No. 387,765; published Mar. 9, 1937.
Lemons. Briggs Lemon Association. 346,256–7; May 18; Serial Nos. 387,576–7; published Mar. 9, 1937.
Matzoths. A. Streit. 346,229; May 18; Serial No. 387,293; published Mar. 9, 1937.
Melons, Fresh. A. S. Garginlo. 346,073; May 18; Serial No. 376,799; published Oct. 20, 1936.
Pickles and pickle relish. W. B. Roddenbery Co. 346,158; May 18; Serial No. 386,450; published Mar. 9, 1937.
Pickles, peanut butter, pickle relish, and table syrup. Roddenbery Brothers. 346,157; May 18; Serial No. 386,448; published Mar. 9, 1937.
Tea. Albert Ehlers, Inc. 346,305; May 18.
Vegetables, Fresh. S. Chastain. 346,274; May 18; Serial No. 387,740; published Mar. 9, 1937.

CLASS 47

Wines. Almaden Vineyards Corporation. 346,049; May 18; Serial No. 341,472; published Oct. 24, 1933.

CLASS 48

Ale. Trinity Audit Ale Association, Ltd. 346,258; May 18; Serial No. 387,602; published Mar. 9, 1937.
Malt beverages. Narragansett Brewing Company. 346,096; May 18; Serial No. 383,100; published Mar. 9, 1937.
Malt beverages. Narragansett Brewing Company. 346,097; May 18; Serial No. 383,175; published Mar. 9, 1937.

CLASS 49

Rum. Caldwell Rum Distillery, Inc. 346,050; May 18; Serial No. 344,757; published Mar. 9, 1937.
Rum, Jamaica. Edward Young & Co. Limited. 346,246; May 18; Serial No. 387,527; published Mar. 9, 1937.
Whiskey. Esbeco Distilling Corporation. 346,320; May 18.
Whiskey. I. B. Horn. 346,196; May 18; Serial No. 387,015; published Mar. 9, 1937.
Whiskey. Lorber Mercantile Company. 346,081; May 18; Serial No. 380,651; published Mar. 9, 1937.
Whiskey. Hiram Walker & Sons Inc. 346,222; May 18; Serial No. 387,234; published Mar. 9, 1937.
Whiskey. Hiram Walker & Sons Inc. 346,308–9; May 18.
Whiskey and gin. John Heidsik Company. 346,291; May 18.
Whiskey and gin. Overbrook Company. 346,195; May 18; Serial No. 387,005; published Mar. 9, 1937.
Whiskies. College Inn Food Products Company. 346,134; May 18; Serial No. 385,723; published Mar. 9, 1937.

CLASS 50

Film, sheet or strip for wrapping, packaging, and covering. Goodyear Tire & Rubber Company. 346,162; May 18; Serial No. 386,540; published Mar. 9, 1937.
Molded parts. A. A. Scott. 346,083; May 18; Serial No. 381,089; published Mar. 9, 1937.

LIST OF LABELS

Dwin Household Insect Killer. For a Liquid Preparation for Killing Insects. Baldwin Laboratories, Inc. 49,316; May 18.
Handi-Kleen. For Tubes containing No-Water Emergency Hand Soap and Paper Towels. Acme Specialty Sales Co. 49,314; May 18.
Haz-A-Wear—Opake Flat Interior Finish. For Ready Mixed Paint. Hazard Lead Works Inc. 49,319; May 18.
Impregnole Weather-Sealed. For a Processed Fabric. Warwick Chemical Company. 49,323; May 18.
Legion. For Blended Whiskey. A. M. Simons. 49,321; May 18.
Manru-Dark Lager Beer. For Lager Beer. Schreiber Brewing Company. 49,320; May 18.
Mary Allan. For Baking Powder Biscuits (Ready to Bake). Mary Allan Foods, Inc. 49,315; May 18.
Settler. For Apples. General Ice Cream Corporation. 49,318; May 18.
Sunland Toasted. For Toasted Cereals. Sunland Manufacturing Company. 49,322; May 18.
Waltana. For Apples. W. E. Etter. 49,317; May 18.

LIST OF PRINTS

After Six. For Men's Formal Wear. S. Rudofker's Sons. 16,197; May 18.
Crest-Line. For Medical Products. Frederick Stearns & Company. 16,198; May 18.
Kitchamajigs. For Kitchen Tools. Edward Katzinger Co. 16,193; May 18.
Pacer the New-Type Sock that has taken America by Storm! Holeproof Hosiery Co. 16,192; May 18.
Royal Hawaiian Cocoanut Craft. For Hawaiian Cocoanuts. Royal Hawaiian Distributing Company Division of Pang See & Co. Ltd. 16,196; May 18.
The Quality Store of Quality Street. For Fur Coats and Fur Trimmed Coats. Kerman Stores Company. 16,194; May 18.
Yes, His Face turned Red and I felt like a Fool when My Pen ran Dry on the Dotted Line! For Fountain Pens, Mechanical Pencils and Ink. Parker Pen Company. 16,195; renewed May 18.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting system. 20,364; May 18.
Baker, James N., assignor to The Black & Decker Manufacturing Company, Towson, Md. Portable power hammer. 20,365; May 18.
Black & Decker Manufacturing Company, The. (See Baker, James N., assignor.)
Booth, Henry, Yonkers, N. Y. Visible inventory and sales recording device. 20,366; May 18.
Borg-Warner Corporation. (See Murray, Howard J., assignor.)
Bowser, S. F., & Company. (See Lanser, Alfred, assignor.)
Carbide and Carbon Chemicals Corporation. (See Lefort, Theodore E., assignor.)
Carothers, John N., Anniston, Ala., assignor, by mesne assignments, to Monsan Chemical Company, St. Louis, Mo. Producing diphenyl. 20,367; May 18.
Carothers, John N., Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Producing diaryl hydrocarbons. 20,368; May 18.
Dowell, A. Yates. (See Leyner, Frank J., assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
Graham, William D. (See Racine, C. A., and Graham.)
Insulating Equipment, Inc. (See Weiss, Harry H., assignor.)
Lanser, Alfred, Corseaux-Vevey, Switzerland, assignor, by mesne assignments, to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Liquid measuring apparatus. 20,369; May 18.
Larsen, Lewis, trustee. (See Lorenz, Anton, assignor.)
Lefort, Theodore E., Paris, France, assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y.. Production of ethylene oxide. 20,370; May 18.
Leyner, Frank J., Lafayette, Colo., assignor to A. Y. Dowell. Ice tray. 20,371; May 18.
Lorenz, Anton, Berlin, Germany, assignor to L. Larsen, Menominee, Mich, trustee. Sitting and resting furniture. 20,372; May 18.
Monsanto Chemical Company. (See Carothers, John N., assignor.)
Murray, Howard J., New York, N. Y., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Cone-type synchronizer for axially movable clutches. 20,373; May 18.
Racine, Charles A., Geraldton, Ontario, and W. D. Graham, Minnedosa, Manitoba, Canada, assignors to The Sterotype Corporation, Columbus, Ohio. Metal container. 20,374; May 18.
Sterotype Corporation, The. (See Racine, C. A., and Graham.)
Weiss, Harry H., assignor of one-half to Insulating Equipment, Inc., Chicago, Ill. Material transfer apparatus 20,375; May 18.

LIST OF DESIGN PATENTEES

Allison, James F., Providence, R. I., assignor to Freeman-Daughaday Company. Cuff link. 104,520; May 18.
Bailey-Walker China Company, The. (See Walker, Albert M., assignor.)
Batchelder, Eliot P., assignor to Dixie-Vortex Company, Easton, Pa. Paper cup or similar articles. 104,521; May 18.
Bausch & Lomb Optical Company. (See Trautmann, Otto E., assignor.)
Beck, Frank H., Shelbyville, Tenn. Combined eraser and pencil tip. 104,522; May 18.
Beck, Frank H., Shelbyville, Tenn. Combined eraser and pencil tip. 104,523; May 18.
Benker, George A., Providence, R. I. Key holder. 104,548; May 18.
Bernstein, Milton, Brooklyn, N. Y. Handle for knives, forks, and similar articles. 104,549; May 18.
Berridge, Howard R., Hasbrouck Heights, assignor to Andrew McLean Co., Passaic, N. J. Curtain or similar article. 104,550; May 18.
Beverly, Brenton F., New York, N. Y. Glove. 104,551; May 18.
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Display rack. 104,552; May 18.
Blumenthal, Sidney E., New Orleans, La. Mattress. 104,598; May 18.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Vase or similar article. 104,524; May 18.
Bourne, Douglas, assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate or similar article. 104,525; May 18.
Bourne, Douglas, assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate or similar article. 104,553; May 18.
Brach, Leon S., East Orange, N. J. Antenna coupler housing. 104,526; May 18.
Breakstone, Sidney, New York, N. Y. Textile fabric. 104,554; May 18.
Brown, Howard H., Providence, R. I. Game board. 104,527; May 18.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 104,528; May 18.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 104,529; May 18.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 104,530; May 18.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 104,531; May 18.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 104,532; May 18.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 104,533; May 18.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 104,534; May 18.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 104,535; May 18.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 104,536; May 18.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 104,537; May 18.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 104,538; May 18.
Butters, Leonard E., assignor to Union Steel Products Company, Albion, Mich. Display rack. 104,555; May 18.
Calderazzo, Dominick J., Brooklyn, N. Y. Slipper. 104,556; May 18.
California Perfume Company. (See Higgins, Frank E., assignor.)
Campbell, Alphonso S., Winchester, Mass. Vertical bumper. 104,557; May 18.
Carter, Theodore L., St. Louis, Mo., assignor to Orchard Paper Co. Wrapping paper or similar article. 104,558; May 18.
Carter, Theodore L., St. Louis, Mo., assignor to Orchard Paper Co. Wrapping paper or similar article. 104,559; May 18.
Chamberlain, Stanley F., assignor to Eastman Kodak Company, Rochester, N. Y. Display cabinet. 104,560; May 18.
Charles, Harry, assignor to Norwich Knitting Company, Norwich, N. Y. Sweat shirt. 104,599; May 18.
Chéron, Pierre J., Stratford, Conn., assignor to Electric City Box Co., Inc., Buffalo, N. Y. Jewelry display box or similar article. 104,561; May 18.
Cohn-Hall-Marx Co. (See Ericson, Emile, assignor.)
Darling, L. A., Company. (See Elmer, Francis E., assignor.)
Dixie-Vortex Company. (See Batchelder, Eliot P., assignor.)
Downs, Marwood A., assignor to Ontario Manufacturing Company, Muncie, Ind. Spoon or other article of flatware. 104,562; May 18.
Dunlan, Jacob, Chicago, Ill. Combined sign and clock. 104,597; May 18.
Eastman Kodak Company. (See Chamberlain, Stanley F., assignor.)
Electric City Box Co. (See Chéron, Pierre J., assignor.)
Elmer, Francis E., assignor to L. A. Darling Company, Bronson, Mich. Shelf bracket. 104,563; May 18.
Ericson, Emile, Pelham Wood, assignor to Cohn-Hall Marx Co., New York, N. Y. Textile fabric or similar article. 104,564; May 18.
Feintuck, Rose, New York, N. Y. Dress. 104,600; May 18.

Fischbach, Eugene G., and R. W. Sumey, Pueblo, Colo. Glider or similar article. 104,565; May 18.
Fostoria Glass Company. (See Bottome, Edgar M., assignor.)
Fostoria Glass Company. (See Sakier, George, assignor.)
Freeman-Daughaday Company. (See Allison, James F., assignor.)
Freysinger, John B., New Britain, Conn. Buckle. 104,539; May 18.
Gemex Company. (See Prestinari, Eugen, assignor.)
Goss, J. C., Co. (See Goss, Joseph C., assignor.)
Goss, Joseph C., assignor to J. C. Goss Co., Detroit, Mich. Molding. 104,566; May 18.
Gredell, Otto N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Truck tank. 104,567; May 18.
Greenman, Jack, New York, N. Y. Ensemble dress. 104,540; May 18.
Griffin, Clair F., assignor to Union Steel Products Company, Albion, Mich. Display rack. 104,568; May 18.
Gulbransen Company. (See Zack, Samuel E., assignor.)
Hammer, Hyman C., assignor to Price Brothers, Inc., Chicago, Ill. Sign. 104,569; May 18.
Hammer, Hyman C., assignor to Price Brothers, Inc., Chicago, Ill. Sign. 104,570; May 18.
Higgins, Frank E., assignor to California Perfume Company, Inc., New York, N. Y. Font of display letters of the alphabet. 104,541; May 18.
Kurman Electric Co. (See Kurman, Nathan A., assignor.)
Kurman, Nathan A., Long Island City, assignor to Kurman Electric Co., Inc., New York, N. Y. Telephone receiver. 104,571; May 18.
Lewis, Florence N., New York, N. Y. Sport belt. 104,572; May 18.
McCartney, Will C., Cambridge, Ohio. Comport or similar article. 104,573; May 18.
McLean, Andrew, Co. (See Berridge, Howard R., assignor.)
Michelson, Margaret, New York, N. Y. Dress. 104,601; May 18.
Morimura Bros. Inc. (See Ruma, Yukio, assignor.)
Nester, William A., East St. Louis, Ill., assignor to Obear-Nester Glass Company, St. Louis, Mo. Bottle. 104,574; May 18.
Norwich Knitting Company. (See Charles, Harry, assignor.)
Obear-Nester Glass Company. (See Nester, William A., assignor.)
Odenerants, Hans H. C., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 104,575; May 18.
Onondaga Pottery Company. (See Bourne, Douglas, assignor.)
Ontario Manufacturing Company. (See Downs, Marwood A., assignor.)
Orchard Paper Co. (See Carter, Theodore L., assignor.)
Orth, Marie, Jamaica, assignor to Trautmann, Bailey & Blampey, New York, N. Y. Decorative paper. 104,576; May 18.
Orth, Marie, Jamaica, assignor to Trautmann, Bailey & Blampey, New York, N. Y. Decorative paper. 104,577; May 18.
Orth, Marie, Jamaica, assignor to Trautman, Bailey & Blampey, New York, N. Y. Decorative paper. 104,578; May 18.
Orth, Marie, Jamaica, assignor to Trautmann, Bailey & Blampey, New York, N. Y. Decorative paper. 104,579; May 18.
Orth, Marie, Jamaica, assignor to Trautmann, Bailey & Blampey, New York, N. Y. Decorative paper. 104,580; May 18.
Pearce, Harold W., West Barrington, R. I., assignor to Welsh Manufacturing Company. Pencil or similar article. 104,542; May 18.
Pearce, Harold W., West Barrington, assignor to Welsh Manufacturing Company. Fountain pen or similar article. 104,543; May 18.
Pomeranz, Jacob J. (See Tanasso, V., and Pomeranz.)
Prestinari, Eugen, Summit, assignor to Gemex Company, Newark, N. J. Bracelet chain. 104,544; May 18.
Price Brothers, Inc. (See Hammer, Hyman C., assignor.)
Rainone, Nicholas, Chicago, Ill. Tubing for lamp stands or the like. 104,581; May 18.
Ronrico Corporation. (See Topping, Donald G., assignor.)
Rufeisen, Henry, Newark, N. J. Gem setting. 104,582; May 18.
Russell, Robert T., New York, N. Y. Textile fabric. 104,602; May 18.
Russell, Robert T., New York, N. Y. Textile fabric. 104,603; May 18.
Russell, Robert T., New York, N. Y. Textile fabric. 104,604; May 18.
Saccal, Oscar A., Brooklyn, N. Y. Slipper. 104,583; May 18.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Candlestick or similar article. 104,545; May 18.
Samstag, Louis A., New York, N. Y. Stopper for perfume bottles and the like. 104,584; May 18.
Sasanoff, Murray, Brooklyn, N. Y. Towel rack. 104,585; May 18.
Sheindelman, Samuel, New York, N. Y. Lady's head covering. 104,586; May 18.
Standard Steel Works. (See Gredell, Otton N., assignor.)
Steinman, William G., New York, N. Y. Dress. 104,605; May 18.
Straus, Sylvan M., Gloversville, N. Y. Glove. 104,587; May 18.
Stricker, Ethel E., New York, N. Y. Negligee ensemble. 104,606; May 18.
Sumey, Robert W. (See Fischbach, E. G., and Sumey.)
Swartwout, Robert L., assignor to Union Steel Products Company, Albion, Mich. Display rack. 104,588; May 18.
Tanasso, Vincent, Harrison, and J. J. Pomeranz, Brooklyn, N. Y. Spectacle front. 104,589; May 18.
Tanasso, Vincent, Harrison, and J. J. Pomeranz, Brooklyn, N. Y. Spectacle frame. 104,590; May 18.
Topping, Donald G., Coral Gables, Fla., assignor to Ronrico Corporation, Arecibo, P. R. Bottle. 104,546; May 18.
Trautmann, Bailey & Blampey. (See Orth, Marie, assignor.)
Trautmann, Otto E., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Opera glass or similar article. 104,591; May 18.
Turpan, Mark, West New York, N. J. Textile fabric. 104,592; May 18.
Union Steel Products Company. (See Bitney, Dewey H., assignor.)
Union Steel Products Company. (See Butters, Leonard E., assignor.)
Union Steel Products Company. (See Griffin, Clair F., assignor.)
Union Steel Products Company. (See Swartwout, Robert L., assignor.)
Valley Shoe Corporation. (See Odenerants, Hans H. C., assignor.)
Van Etten, Fred, Agness, Oreg. Picture frame. 104,593; May 18.
Walker, Albert M., Akron, assignor to The Bailey-Walker China Company, Bedford, Ohio. Plate or similar articles. 104,594; May 18.
Welsh Manufacturing Company. (See Pearce, Harold W., assignor.)
Wenett, Philip, New York, N. Y. Dress. 104,607; May 18.
Weston, Eugene W., Elginburgh, Ontario, Canada. Combined lantern and battery case or similar article. 104,595; May 18.
Wurlitzer, Rudolph, Company, The. (See Zaiser, William, assignor.)
Zack, Samuel E., assignor to Gulbransen Company, Chicago, Ill. Piano case. 104,596; May 18.
Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill. Piano. 104,547; May 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abercrombie, J. S. (See King, Walter E., assignor.)
Adams, Frank S., assignor to The Skat Company, Hartford, Conn. Display attachment. 2,081,099; May 18.
Addressograph-Multigraph Corporation. (See Gollwitzer, Walter T., assignor.)
Agfa Ansco Corporation. (See Weichmann, Hans K., assignor.)
Ainsworth, Lloyd C., Moline, Ill., Lawn mower attachment. 2,080,648; May 18.
Airplane and Marine Direction Finder Corporation. (See Thurston, Arthur L., assignor.)
Aktiebolaget Milo. (See Lysholm, Alf, assignor.)
Albert, Carl P., assignor to Greene Manufacturing Co., Racine, Wis. Sheet metal edging construction. 2,080,593; May 18.
Albrecht, Joseph A., assignor to Bettinger Coal & Coke Corporation, Buffalo, N. Y. Mechanism for screening and transferring coal and the like. 2,080,977; May 18.
Alfaro, Heraclio, Cambridge, Mass. Internal combustion engine. 2,080,846; May 18.
Allen, Earl M., Edgewood, and P. N. Martin, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,080,801; May 18.
Allen, Edward M. (See Lynn, G., and Allen.)
Allen, Howard D., Passaic, N. J., assignor to American Telephone and Telegraph Company. Paper feeding apparatus for typing devices. 2,080,524; May 18.
Allen, Jack W., Dallas, Tex. Well and constructing and cementing same. 2,080,406; May 18.
Allis-Chalmers Manufacturing Company. (See Pfau, Arnold, assignor.)
Altvater, Arthur W., University City, Mo. Perforating die. 2,080,994; May 18.
Aluminum Company of America. (See Templin, Richard L., assignor.)
Amber, John, Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company. Edge bowl cooler. 2,080,594; May 18.
Amburgen Construction Company. (See Stewart, S. W., and Davis, assignors.)
American Blower Corporation. (See Anderson, Edward L., assignor.)
American Blower Corporation. (See Morse, Clark T., assignor.)
American Centrifugal Corporation. (See Pecker, Joseph S., assignor.)
American Cyanimid Company. (See Kast, Harry A., assignor.)
American Engineering Company. (See Preston, Herbert E., assignor.)
American Flange & Manufacturing Co. (See Wackman, Louis B., assignor.)
American Gas Accumulator Company. (See Eskilson, S. A., Gunnert, and Hülbinette, assignors.)
American Hardware Corporation, The. (See Stone, Elmer B., assignor.)
American Laundry Machinery Company, The. (See Hanney, Angus F., assignor.)
American Radiator Company. (See Kilb, Francis C., assignor.)
American Radiator Company. (See Kilb, F. C., and Woodruff, assignors.)
American Radiator Company. (See Manning, Fowler, assignor.)
American Radiator Company. (See Reynolds, F. C., and Kirchheim, assignors.)
American Radiator Company. (See Woodruff, H. S., and Engelskirchen, assignors.)
American Steel and Wire Company of New Jersey, The. (See Blue, Ernest M., assignor.)
American Steel and Wire Company of New Jersey, The. (See Elder, Flint C., assignor.)
American Steel and Wire Company of New Jersey, The. (See Febrey, Harold H., assignor.)
American Steel Foundries. (See Oelkers, Alfred H., assignor.)
American Telephone and Telegraph Company. (See Alln, Howard D., assignor.)
American Telephone and Telegraph Company. (See Bixel, Edward C., assignor.)
Ames, Elmer U., Collingswood, N. J., A. A. Seaman, administratrix of the estate of E. U. Ames, deceased, assignor to H. Brinton Company, Frankford, Philadelphia, Pa. Selective operating means for knitting needles. 2,080,525; May 18.
Anchor Cap & Closure Corporation. (See Scofield, Edgar, assignor.)
Anderson, Edward L., Grosse Isle, assignor to American Blower Corporation, Detroit, Mich. Supporting means. 2,081,030; May 18.
Anderson, Edwin F., Buffalo, N. Y., assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Apparatus for treating flour and the like. 2,080,884; May 18.
Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Inc. Stoker. 2,081,113; May 18.
Anderson, Howard P., and E. Martin, Erie, Pa., assignors, by mesne assignments, to The Standard Stoker Company, Inc. Stoker. 2,081,114; May 18.
Anderson, Roger, Seattle, Wash. Anatomic splint. 2,080,802; May 18.
Anderson, William B., and S. C. Eaker, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerating apparatus. 2,080,595; May 18.
Armstrong, Charles A., et al. (See Beil, F. F., and Green, assignors.)
Armstrong, Charles A., et al. (See Madsen, S., G. L. and E. J. Curtis, and Armstrong.)
Armstrong Siddeley Motors Limited. (See Oliver, Christopher S., assignor.)
Arnold, Robert B., Stonewall Courts, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky. Utilizing waste vegetable material. 2,080,454; May 18.
Aro Equipment Corporation, The. (See Ginter, C. W., and Carter, assignors.)
Ash, Richard F., Alton, Ill. Turntable for automobiles. 2,080,596; May 18.
Ashe, Marselius T., Garden City, N. Y. Closure device. 2,080,685; May 18.
Associated Electric Laboratories, Inc. (See Pye, Harold C., assignor.)
Association of American Soap & Glycerine Producers, Inc. (See Hoover, Kenneth H., assignor.)
Atlantic Refining Company, The. (See Ferris, Seymour W., assignor.)
Autographic Register Company. (See Borchers, William G., assignor.)
Automatic Electric Company. (See Wicks, John, assignor.)
Automatic Electric Company Limited. (See Graham, Joshua H., assignor.)
Badger, Herman J., and W. A. Davis, Foxburg, Pa. Automatic water refiller and cuspidor flusher. 2,080,756; May 18.
Baer, Georges, Paudex, Switzerland. Calculator. 2,080,857; May 18.
Bailey Meter Company. (See Ryder, John D., assignor.)
Baker, David and D., Jr., Rosemont, Pa., assignors to R. O. Blackwood, Melbourne, Victoria, Australia. Telephone index. 2,080,995; May 18.
Baker, David, Jr. (See Baker, David and D., Jr.)
Baker, Edwin, Winn, Maine. Pattie mold. 2,081,080; May 18.
Bakke, Hans A., Swampscott, Mass., assignor to General Electric Company. Ratchet mechanism. 2,081,115; May 18.
Ballantyne, Robert L., Perrysburg, Ohio. Window closure. 2,080,394; May 18.
Baltimore Paint & Color Works, Inc. (See Shuger, Leroy W., assignor.)
Barnett, Jack L., Leeds, England. Supporting confectionery jars, cordial containers, and the like. 2,080,957; May 18.
Bartell, Floyd E., Ann Arbor, assignor to G. E. Wilder, W. A. Defnet, S. Field, J. H. Smith, F. MacKenzie, Y. F. Hardcastle, D. K. Laub, D. J. McNabb, and S. V. Laub, Detroit, Mich. Thread element and process and apparatus for making it. 2,080,905; May 18.
Bartho, John. (See Dewan, L., and Bartho.)
Basch, David, Schenectady, N. Y., assignor to General Electric Company. Clamp. 2,081,047; May 18.
Bashore, Ralph M., Womelsdorf, Pa. Moistening mechanism for feeding threads. 2,080,996; May 18.
Baskin, Salem N. (See Cobb, John L., assignor.)
Bassett, Harry J., Cherry Valley, Mass. Tension device for loom shuttles. 2,081,081; May 18.
Bate, Warwick G., Newton Falls, Ohio. Refrigerated display cabinet. 2,081,048; May 18.
Bates, Arthur, North Attleboro, Mass., assignor to Evans Case Company. Ornamentation. 2,081,082; May 18.
Bates, Fred G., Highland Park, and L. B. Bishop, Detroit, Mich. Hinge. 2,080,597; May 18.
Battey, William A., Haverford, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Crushing machinery. 2,080,407; May 18.
Baumwollspinnerei Gronau. (See Schramek, W., and Schubert, assignors.)

Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)
Bausch & Lomb Optical Company. (See Ellestad, Gerhard A., assignor.)
Bausch & Lomb Optical Company. (See Gallasch, G. B., and Kurtz, assignors.)
Bausch & Lomb Optical Company. (See Nelson, Otto F., assignor.)
Bausch & Lomb Optical Company. (See Straat, Harold W., assignor.)
Bausch & Lomb Optical Company. (See Wittig, Carl H. O., assignor.)
Beasley, Mercer, Princeton, and J. A. Coffee, Lawrenceville, N. J. Practice machine. 2,080,958; May 18.
Bechtel, John D., East Cleveland, Ohio. Power transmitting device and making same. 2,080,455; May 18.
Beckelman, Abraham, New York, N. Y. Knock-down display device. 2,080,997; May 18.
Beckwith, Lawton B. (See Bray, U. B., and Beckwith.)
Bedford, Reginald A., Stumperlowe, Sheffield, England. Device for holding drill bits. 2,080,526; May 18.
Beebe, Harry, Minneola, Kans. Hitch. 2,081,083; May 18.
Begg, Russell S., Shaker Heights, and R. H. Thoms, assignors to The Midland Steel Products Company, Cleveland, Ohio. Brake drum and backing plate combination. 2,080,395; May 18.
Beil, Forrest F., and E. E. Green, assignors to G. L. and E. J. Curtis, and C. A. Armstrong, Clinton, Iowa. Door frame construction. 2,080,555; May 18.
Bell Telephone Laboratories, Incorporated. (See Caruthers, Robert S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Greenidge, Ralph M. C., assignor.)
Bell Telephont Laboratories, Incorporated. (See Kreisher, Claude, assignor.)
Bemis Bro. Bag Company. (See Stetson, Bradford R., assignor.)
Bendix Products Corporation. (See Whittington, Ralph S., assignor.)
Benedum, Michael L., et al. (See Rose, James R., assignor.)
Bennett, George E., San Mateo, Calif. Container closure. 2,080,686; May 18.
Berger, Kornel, New York, N. Y. Swivel harp fixture for electric lamps. 2,081,031; May 18.
Bettinger Coal & Coke Corporation. (See Albrecht, Joseph A., assignor.)
Bigelow-Sanford Carpet Co. (See Cook, Jerome E., assignor.)
Bigelow-Sanford Carpet Co. Inc. (See Stone, Edwin W., assignor.)
Bird, John L., Radburn, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Motor control system. 2,081,032; May 18.
Biro, Carl G., Marblehead, Ohio. Meat cutting and slicing machine. 2,081,033; May 18.
Bishop, Landlin B. (See Bates, F. G., and Bishop.)
Bixel, Edward C., West Orange, N. J., assignor to American Telephone and Telegraph Company. Ladder holder. 2,080,527; May 18.
Blackwood, Robert O. (See Baker, David and D., assignors.)
Blakeslee, Henry J., Marlboro, assignor to The States Company, Hartford, Conn. Meter connection block. 2,081,100; May 18.
Blakeslee, Henry J., Marlboro, assignor to The States Company, Hartford, Conn. Meter connection block. 2,081,101; May 18.
Bliss, E. W., Company. (See Krueger, Frank, assignor.)
Blomberg, Martin P., assignor to Pullman-Standard Car and Manufacturing Company, Chicago, Ill. Heating and ventilating system for vehicles. 2,080,757; May 18.
Bloomberg, Harry A. (See Dausmann, Charles F., assignor.)
Blue, Ernest M., Houston, Tex., assignor to The American Steel and Wire Company of New Jersey. Measuring device for ropes and the like. 2,081,102; May 18.
Bodenstab, John, Detroit, Mich. Beverage cooler. 2,080,598; May 18.
Boese, Albert B., Jr. (See Wilson, A. L., and Boese.)
Bohnet, George J., Lansing, Mich. Honey bee hive cover. 2,081,084; May 18.
Bolesky, John D., assignor, by mesne assignments, to Metals and Controls Corporation, Attleboro, Mass. Thermostatic electric switch and contact structure therefor. 2,080,556; May 18.
Bond Electric Corporation. (See Stimson, Frank G., assignor.)
Borchers, William G., assignor to Autographic Register Company, Hoboken, N. J. Manifolding device. 2,080,803; May 18.
Borg-Warner Corporation. (See Murray, Howard J., assignor.)
Bosch, Robert, Aktiengesellschaft. (See Schweizer, Alfred, assignor.)
Boston Royal Petticoat Company, The. (See Fine, David L.)
Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,080,847; May 18.
Bouget, Yves A., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauging device. 2,080,456; May 18.
Bowen, Max E., Grand Rapids, Mich. Dual master cylinder hydraulic brake. 2,080,687; May 18.
Bowen, William F., assignor to Evans Case Company, North Attleboro, Mass. Bag. 2,081,085; May 18.
Bower, Raymond G., Bloomfield Hills, assignor to Burroughs Adding Machine Company, Detroit, Mich. Keyboard for typewriters. 2,080,457; May 18.
Bowman, Frederic C., Los Angeles, and H. Stougaard, Walnut Park, assignors to A. R. Maas Chemical Co., Los Angeles, Calif. Manufacturing anhydrous sodium sulphite. 2,080,528; May 18.
Boyer, Earle G., Philadelphia, Pa., assignor to Hannifin Manufacturing Co., Chicago, Ill. Pipe aligning tool. 2,080,906; May 18.
Braley, Silas A., assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Wire drawing method and lubricant therefor. 2,080,599; May 18.
Brantly, John E., Avenal, Calif. Well drilling control system. 2,080,804; May 18.
Bravi, Giuseppe, Varese, Italy. Chain machine for the production of wood chips or shavings. 2,080,557; May 18.
Bray, Ulric B., and L. B. Beckwith, Palos Verdes Estates, assignors to Union Oil Company of California, Los Angeles, Calif. Producing a bituminous emulsion. 2,080,689; May 18.
Bray, Ulric B., Palos Verdes Estates, and L. B. Beckwith, San Pedro, assignors to Union Oil Company of California, Los Angeles, Calif. Filled asphalt and producing same. 2,080,690; May 18.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Bituminous cement. 2,080,688; May 18.
Breitling, Ernst, Essen, Germany, assignor, by mesne assignments, to The National Cash Register Co., Dayton, Ohio. Recording machine. 2,080,649; May 18.
Bremer, Norman C., Ithaca, N. Y. Cooling system for internal combustion motors. 2,080,600; May 18.
Brey, Clarence F., New York, N. Y. Necktie rack. 2,080,805; May 18.
Brinton, H., Company. (See Ames, Elmer U., assignor.)
Bristol Company, The. (See Logan, L., and Webber, assignors.)
Brizzolara, Robert T., New Dorp, Staten Island, N. Y. Air conditioning apparatus. 2,080,998; May 18.
Broeren, Frank L., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Napkin dispenser. 2,080,691; May 18.
Bronson Reel Company. (See McMahon, Edward J., assignor.)
Brooks, Frank S. (See Seibert, N. J., and Brooks.)
Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Brake rigging of the variable leverage type. 2,080,529; May 18.
Brown, Barrett F. (See Karcher, A. A., and Brown, assignors.)
Brown, Clarence B. (See Karcher, A. A., and Brown.)
Brown Company. (See Schur, Milton O., assignor.)
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor. 2,080,692; May 18.
Brown, William A., Philadelphia, Pa. Seating arrangement. 2,080,458; May 18.
Brugger, Albert, Philadelphia, Pa. Yarn swift. 2,080,650; May 18.
Brunswick-Balke-Collender Company, The. (See Stock, Anthony T., assignor.)
Brush, Arthur R., assignor of one-half to M. Freedman, Hornell, N. Y. Lifting jack. 2,080,530; May 18.
Brush-On Stove Polish Company, The. (See Le Moine, G. U., and Gagin, assignors.)
Bryant Electric Company, The. (See Forstrom, Edward E., assignor.)
Buchanan, John C., Detroit, Mich., assignor to Norge Corporation. Shelf support. 2,080,907; May 18.
Buchner, Arthur A. (See Hicks, H. A., Herreshoff, and Buchner.)
Buckley, John P., Washington, D. C. Automatic accounting and checking system. 2,080,758; May 18.
Bünger, Albert, Berlin-Pankow, K. Larché, Berlin O 17, and K. Wiegand, Berlin-Hohen-Neuendorf, Germany, assignors to General Electric Company. Electric gaseous discharge device. 2,080,908; May 18.
Bunker, Darius W., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 2,080,531; May 18.
Burckhardt, Ernst. (See Stoll, A., and Burckhardt.)
Burdick, Charles A. (See Chadbourne, J. H., and Burdick.)
Burroughs Adding Machine Company. (See Bower, Raymond G., assignor.)
Byers, Thomas A., Spokane, Wash. Spring motor. 2,080,651; May 18.
Byrne, Julius L., Detroit, Mich. Door construction. 2,080,693; May 18.
C-M-P Fishing Tool Corporation. (See Church, Walter L., assignor.)
Caille, Georges, Vaujours, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,080,806; May 18.
Calkins, Claude C., Spokane, Wash. Powder feed device. 2,080,694; May 18.
Campbell, Lorn, Jr., Lakewood, Ohio. Apparatus for gas cutting and welding of metals. 2,080,396; May 18.

Canby, Caleb H., Jr., et al. (See Streich, Frank, assignor.)
Cappuccio, Frank, Oakland, Calif. Bathtub. 2,080,601; May 18.
Cardwell-Westinghouse Company. (See Sproul, Donald F., assignor.)
Cargile, Clifton, Houston, Tex. Pressure accumulator. 2,080,695; May 18.
Carillon, Eugene L., Bedford, Ohio. Checking device. 2,080,559; May 18.
Carothers, Wallace H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dispersions of halogen-2-butadiene 1,3 and making same. 2,080,558; May 18.
Carr, Donald E., Naples, assignor to Union Oil Company of California, Los Angeles, Calif. Producing petroleum plastics. 2,080,696; May 18.
Carter Carburetor Corporation. (See Mollberg, Byron, assignor.)
Carter, Emmett F., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Space discharge tube. 2,081,125; May 18.
Carter, John F. (See Ginter, C. W., and Carter.)
Carter, Lionel A., Webster Groves, Mo. Hair and scalp treating apparatus. 2,081,034; May 18.
Carruthers, Robert S., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulating system. 2,080,459; May 18.
Case, Nelson P., Bayside, N. Y., assignor to Hazeltine Corporation. Coupling system. 2,080,560; May 18.
Ceccon, John B., San Francisco, Calif., assignor to San Francisco Sulphur Company. Sulphur stabilization and preservation. 2,080,408; May 18.
Ceccon, John B., San Francisco, Calif., assignor to San Francisco Sulphur Company. Sulphur stabilization and preservation. 2,080,409; May 18.
Celanese Corporation of America. (See Ellis, G. H., Moncrieff, and Hill, assignors.)
Celanese Corporation of America. (See Hale, Frank C., assignor.)
Celanese Corporation of America. (See Hale, F. C., and Jahouley, assignors.)
Celanese Corporation of America. (See Hale, Frank C., and Yeadon, assignors.)
Celanese Corporation of America. (See Jabouley, J., and Yeadon, assignors.)
Celanese Corporation of America. (See Pool, William, assignor.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Celluloid Corporation. (See Petersen, Arthur E., assignor.)
Central National Bank of Cleveland, trustee. (See Coil, Grover C., assignor.)
Chadbourne, Joseph H., Pomfret, and C. A. Burdick, Elmville, Conn., assignors to The Danielson Manufacturing Company. Lug strap. 2,080,759; May 18.
Chamberlain, Alfred J., Wauwatosa, Wis. Dispensing container. 2,080,602; May 18.
Champion Spark Plug Company. (See Rohde, Otto C., assignor.)
Charlton, Kenneth R., Holyoke, Mass. Device for measuring and recording wheel alignment. 2,080,909; May 18.
Charman, Walter M., Cleveland Heights, Ohio. Ring securing means. 2,080,848; May 18.
Chemical Works formerly Sandoz. (See Stoll, A. and Burckhardt, assignors.)
Cherry-Burrell Corporation. (See Feldmeier, H., and Wyman, assignors.)
Chrysler Corporation. (See Delahanty, Edward J., assignor.)
Chrysler Corporation. (See Hicks, H. A., Herreshoff, and Buchner, assignors.)
Chrysler Corporation. (See Lee, Roger K., assignor.)
Chrysler Corporation. (See McCortney, Willett J., assignor.)
Chrysler Corporation. (See Patterson, Herbert F., assignor.)
Chrysler Corporation. (See Slack, Frederic W., assignor.)
Church, Walter L., Houston, assignor to C-M-P Fishing Tool Corporation, Harris County, Tex. Taking oriented cores. 2,080,978; May 18.
Churchill, Homer, East Orange, N. J., assignor to Line Material Company, South Milwaukee, Wis. Transformer brace. 2,080,460; May 18.
Circo Products Corporation. (See Mudon, Thomas J., assignor.)
Claff, Clarence L., Randolph, Mass. Paper box. 2,080,532; May 18.
Clark, George M., Lynn, Mass. Matrix forming and drying machine. 2,080,697; May 18.
Clark, George W., assignor to The Westfield Manufacturing Company, Westfield, Mass. Bicycle frame and making same. 2,080,698; May 18.
Cleveland Pneumatic Tool Company, The. (See Speth, Lloyd G., assignor.)
Cleveland Welding Company, The. (See Uber, Harold R., assignor.)
Clyde Blades Limited. (See Firneburg, Wilhelm, assignor.)
Cobb, John L., assignor of one-half to S. N. Baskin, Chicago, Ill. Shoe. 2,080,959; May 18.
Cocks, George W., Upper Montclair, N. J. Cold storage cabinet. 2,080,885; May 18.
Coffee, James A. (See Beasley, M., and Coffee.)
Coil, Grover C., Dayton, assignor, by mesne assignments, to Central National Bank of Cleveland, trustee, Cleveland, Ohio. Extras mechanism for taximeters. 2,080,699; May 18.
Colgate-Palmolive-Peet Company. (See Hall, Robert A., assignor.)
Colman, Howard D. (See Stewart, Duncan J., assignor.)
Columbus McKinnon Chain Corporation. (See Stahl, Frank E., assignor.)
Comerford, Michael P. (See Milne, A., and Comerford.)
Cometto, Domingo and J., Buenos Aires, Argentina. Safety brake for automobiles, against theft of the same. 2,080,603; May 18.
Cometto, Juan. (See Cometto, Domingo and J.)
Commercial Shearing & Stamping Company, The. (See Kane, Thomas C., assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Ponte, Maurice, assignor.)
Condon, Robert S., Pekin, Ill. Valve. 2,080,760; May 18.
Connolly, Martin J., New York, N. Y. Preparation of cellulosic material. 2,080,533; May 18.
Continental Motors Corporation. (See Jacoby, Enos R., assignor.)
Cook, Frances K., and B. E. Wose, Syracuse, N. Y. Picture. 2,080,652; May 18.
Cook, Jerome E., Larchmont, N. Y., assignor to Bigelow-Sanford Carpet Co., Thompsonville, Conn. Edge sealer for fabrics. 2,080,397; May 18.
Cooney, Paul T., Los Angeles, Calif. Conduit. 2,080,999; May 18.
Coons, Kenneth W., Hamburg, Germany, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Removing rubber from materials containing it. 2,080,910; May 18.
Cooper, Harry E., Providence, R. I., assignor to United States Rubber Products, Inc., New York, N. Y. Winder. 2,080,398; May 18.
Cooper, Hugh S., Cleveland, Ohio, assignor to General Electric Company. Sintered hard carbide composition. 2,081,049; May 18.
Cooper, Richard, Jr. (See Donohue, Henry T., assignor.)
Cope, Joseph H., Denver, Colo. Extension hay stacker. 2,080,461; May 18.
Cornelius, Richard T., Minneapolis, Minn. Beer faucet. 2,081,000; May 18.
Coscia, Pasquale, New York, N. Y. Ice milling machine. 2,081,001; May 18.
Cox, Burton E., Santa Cruz, Calif. Garden implement. 2,080,763; May 18.
Cox, Joseph F., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener stud. 2,080,979; May 18.
Craft, Lewis W., Kansas City, Kans. Golf practice device. 2,080,653; May 18.
Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,080,807; May 18.
Craig, Wallace A., assignor to W. C. McDuffie, receiver for Richfield Oil Company of California, Los Angeles, Calif. Removal of sulphur compounds from hydrocarbon oil and regeneration of spent treating agent. 2,080,654; May 18.
Cranston, Albert E., Wenatchee, Wash. Corrugated-fastener machine. 2,080,462; May 18.
Crawford, Walter C., assignor of one-half to J. Laurenzi, Bogota, N. J. Paint brush holder. 2,080,655; May 18.
Crawford, Wilbur F., Waco, Tex. Chair. 2,080,761; May 18.
Crawford, Wilbur F., Waco, Tex. Vehicle cover support. 2,080,762; May 18.
Crawford, Wilbur F., Waco, Tex. Vehicle bow support. 2,080,764; May 18.
Croft, John J., assignor to High Point Bending & Chair Co., Siler City, N. C. Folding chair. 2,080,765; May 18.
Cruikshank, Virginius M., Shamokin, Pa. Burner for solid fuels. 2,080,410; May 18.
Cummings, Clarence J., and L. L. Weimar, Tacoma, Wash. Illuminated directory cabinet. 2,080,808; May 18.
Curtis, Albert R., Milwaukee, Wis. Holder for neckties or the like. 2,081,002; May 18.
Curtis, Eugene J., et al. (See Beil, F. F., and Green, assignors.)
Curtis, Eugene J., et al. (See Madsen, S., G. L. and E. J. Curtis, and Armstrong.)
Curtis, George L., et al. (See Beil, F. F., and Green, assignors.)
Curtis, George L., et al. (See Madsen, S., G. L. and E. J. Curtis, and Armstrong, assignors.)
Daimler, Karl. (See Nüssleln, J., Daimler, and Platz.)
Daland, Elliot. (See Wilford, E. B., and Daland.)
Dale, Orie O., Long Beach, Calif. Line grip. 2,080,700; May 18.
Dales, Benton, Chadds Ford, Pa., and F. B. Downing, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dispersion. 2,080,561; May 18.

Dalotel, Maurice A., Colombes, France. Machine for the continuous projection printing of moving picture films. 2,080,463; May 18.
Danielson Manufacturing Company, The. (See Chadbourne, J. H., and Burdick, assignors.)
Danvers Shoe Company. (See Newman, Donald F., assignor.)
Darlington, Philip J., deceased, Cambridge; R. T. M. Darlington, executrix, assignor to R. G. Morse, Marblehead, Mass. Micrometer caliper. 2,080,534; May 18.
Darlington, Rebecca T. M., executrix. (See Darlington, Philip J.)
Dausmann, Charles F., Hempstead, assignor of one-third to H. A. Bloomberg, New York, N. Y. Combined motive fluid control and brake operating means for motor vehicles. 2,081,126; May 18.
Davis, Calvin V. (See Stewart, S. W., and Davis.)
Davis, William A. (See Badger, H. J., and Davis.)
Day, Roland B., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,080,701; May 18.
Deere & Company. (See Brown, Theophilus, assignor.)
Defnet, William A., et al. (See Bartell, Floyd E., assignor.)
De Groote, Melvin, St. Louis, and A. F. Wirtel, Kirkwood, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,081,004; May 18.
De Groote, Melvin, St. Louis, and A. F. Wirtel, Kirkwood, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,081,005; May 18.
De Groote, Melvin, St. Louis, and B. Keiser, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,081,003; May 18.
Deibel, Cyril P., Lakewood, Ohio. Metal container extrusion die. 2,080,399; May 18.
Dehahanty, Edward J., assignor to Chrysler Corporation, Detroit, Mich. Wheel suspension. 2,080,702; May 18.
Delaney, John M. (See Story, Ernst J., assignor.)
De Long Hook and Eye Company, The. (See Upham, Gilbert R., assignor.)
Delta-Star Electric Company. (See Rah, Joseph C., assignor.)
Derbo, Cyril A., Mishawaka, Ind. Beet blocking and cultivator machine. 2,081,086; May 18.
Deutsche Telephonwerke und Kabelindustrie Aktiengesellschaft. (See Hamann, Christel, assignor.)
Devers, Charles, Pittsburgh, Pa. Gasoline dispensing pump control device. 2,080,535; May 18.
De Vries, Abraham, assignor to N. V. Ijzerhandel I. M. de Vries, Amsterdam, Netherlands. Knob attachment. 2,080,656; May 18.
Dexter Folder Company. (See Rader, E. D., and Goodwin, assignors.)
Dewan, Leon, and J. Bartho, assignors of fifteen percent to J. R. Wren, New York, and ten percent to J. H. Wren, Brooklyn, N. Y. Skate. 2,080,766; May 18.
Dinkel, Andrew J., Yuma, Ariz. Grease gun. 2,080,809; May 18.
Doan, Theodore H., Shaker Heights, assignor to The Foote-Burt Company, Cleveland, Ohio. Metal cutting machine. 2,080,464; May 18.
Dole, Myron W., Belmont, Mass. Fluid displacement apparatus. 2,081,050; May 18.
Donaldson Company. (See Schulz, William H., assignor.)
Donley, Bartrum G. (See Higgins, F. M., and Donley.)
Donohue, Henry T., assignor of two-thirds to R. Cooper, Jr., Chicago, Ill. Washing machine. 2,080,657; May 18.
Dorman, Edgar P., assignor to The United Glass Bottle Manufacturers Limited, London, England. Lehr stacking or feeding mechanism. 2,080,858; May 18.
Dorr Company, The. (See Kessener, Herman J. N. H., assignor.)
Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Pump control. 2,080,810; May 18.
Downing, Frederick B. (See Dales, B., and Downing.)
Drapák, Arnošt. (See Drapák, Otto, A., and J.)
Drapák, Jindrich. (See Drapák, Otto, A., and J.)
Drapák, Otto, A., and J., Rochlitz, near Reichenberg, Czechoslovakia. Dovetail milling machine. 2,080,859; May 18.
Draper, Ernest E., Searsdale, assignor to The Perser Corporation, New York, N. Y. Apparatus for making stereoscopic positives from negatives. 2,080,604; May 18.
Dreyfus, Henry, London, England. Manufacture of hydrocarbon gases. 2,080,767; May 18.
Dreyfuss, Henry, New York, N. Y., assignor to The New York Central Railroad Company. Dining car illumination and ventilation. 2,080,960; May 18.
Duerr, John F. (See Moses, L. W., and Duerr.)
Duey, Harold P., Los Angeles, Calif. Tooth brush. 2,080,605; May 18.
Duffy, Thomas L., Detroit, Mich., assignor to The Westfield Manufacturing Company, Westfield, Mass. Bicycle saddle and mounting therefor. 2,080,658; May 18.
Duggan, Paul E., Philadelphia, Pa. Film reeling and dispensing means for continuous motion picture projectors. 2,080,659; May 18.
Duisburger Kupferhutte et al. (See Kuss, E., and Miessner, assignors.)
Du Pont, E. I., de Nemours & Company. (See Carothers, Wallace H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dales, B., and Downing, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hoff, Elliott F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hull, Richard O., assignor.)
Du Pont, E. I., de Nemours & Company. (See Mealy, Walter C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Westbrook, Leon R., assignor.)
Durden, Deal C., Seattle, Wash. Combined cigarette and igniting means. 2,080,536; May 18.
Duriron Company, The. (See Jacobsen, Oystein, assignor.)
Duro Metal Products Company. (See Hedgpeth, Theron L., assignor.)
E. A. Laboratories, Inc. (See Gillet, Alexis F., assignor.)
Eagle Pencil Company. (See Hochman, Julius C., assignor.)
Eaker, Sidney C. (See Anderson, W. B., and Eaker.)
Easthagen, John H. (See Nutt, D. B., and Easthagen.)
Eastman Kodak Company. (See Hickman, Kenneth C. D., assignor.)
Eichholz, William. (See Leutwiler, R. W., and Eichholz.)
Einson-Freeman Co. (See Leigh, Nathan J., assignor.)
Elder, Flint C., Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Billet mold. 2,080,961; May 18.
Electric Boat Company. (See Nibhs, Ernest, assignor.)
Electric & Musical Industries Limited. (See Mitchell, Frank A., assignor.)
Electric Steam Sterilizing Company, The. (See Long, George A., assignor.)
Eller, Keith B., Metuchen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Thermionic oscillator. 2,080,411; May 18.
Ellestad, Gerhard A., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,080,849; May 18.
Ellis, George H., R. W. Moncrieff, and F. B. Hill, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture and treatment of artificial products. 2,080,768; May 18.
Ellis, Frederick W., Milwaukee, Wis. Pressure controlling mechanism. 2,080,465; May 18.
Emmert, Kenneth L., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrical contact. 2,080,811; May 18.
Engberg, Henry C., Seattle, Wash. Truss. 2,080,412; May 18.
Engelskirchen, Paul T., Jr. (See Woodruff, H. S., and Engelskirchen.)
Ermold, Edward, deceased, New York, N. Y.; W. A. Guthrie, executor. Bottle labeling machine. 2,080,413; May 18.
Ermold, Edward, deceased, New York, N. Y.; W. A. Guthrie, executor. Bottle labeling machine. 2,080,414; May 18.
Eschenbach, Wolfram, Munich, Germany. Production of ketene. 2,080,562; May 18.
Eskilson, Sven A., Stockholm, A. R. Gunnert, Lidingo, and K. G. E. Hübinette, Stockholm, Sweden, assignors to American Gas Accumulator Company, Elizabeth, N. J. Arrangement for fixation of the edges of a joint to be welded. 2,080,563; May 18.
Evans Case Company. (See Bates, Arthur, assignor.)
Evans Case Company. (See Bowen, William F., assignor.)
Everett, Richard E., assignor to The Hoover Company, North Canton, Ohio. Advertising display device. 2,080,466; May 18.
Excelsior Machine Corporation. (See Miller, George C., assignor.)
Fairbanks, Jerry B., assignor of thirty-seven and one-half percent to R. A. Lindsay and twenty-five percent to E. Hix, Los Angeles, Calif. Sound transmitting, recording, and reproducing mechanism. 2,080,812; May 18.
Fairbanks, Morse & Co. (See Jahnke, Charles B., assignor.)
Fairbanks, Morse & Co. (See Yost, L., and Norris, assignors.)
Falkenstein, Ivan, New York, N. Y. Roll package and end label therefor. 2,080,564; May 18.
Febrey, Harold H., South Orange, N. J., assignor to The American Steel and Wire Company of New Jersey. Antichecking iron. 2,080,962; May 18.
Fehse, Adolf. (See Pirani, M., and Fehse.)
Feige, Kurt H., Chicago, Ill. Screened window. 2,080,565; May 18.
Feldman, Louis J., and M. M. Poley, Brooklyn, N. Y. Display holder. 2,080,467; May 18.
Feldmeier, Harvey, deceased, by L. L. Feldmeier, executrix, and E. Wyman, Little Falls, N. Y., assignors to Cherry-Burrell Corporation, Wilmington, Del. Processing vat. 2,080,537; May 18.
Feldmeier, Lela L., executrix. (See Feldmeier, H., and Wyman.)
Ferguson, Arthur P., assignor to Lyon Cover Company, Detroit, Mich. Combination wheel and valve stem assembly. 2,080,468; May 18.
Ferrell, Clifford L. (See Nixon, J. D., and Ferrell.)

Ferris, Seymour W., Aldan, assignor to The Atlantic Refining Company, Philadelphia, Pa. Hydrocarbon oil treatment. 2,080,415; May 18.
Fiedler, George E., Bloomfield, N. J., assignor to Otis Elevator Company, New York, N. Y. Moving stairway handrail protective device. 2,080,980; May 18.
Fiedler, William J., Mitchell, S. Dak., assignor of one-half to A. Schelske. Jack. 2,080,963; May 18.
Field, Sherwood, et al. (See Bartell, Floyd E., assignor.)
Fildes, Frederick K., Altoona, Pa. Lifting sling. 2,080,813; May 18.
Fine, David L., Newton Center, assignor to D. L. Fine and D. L. Rosenberg, a partnership doing business as The Boston Royal Petticoat Company, Boston, Mass. Woman's undergarment. 2,080,703; May 18.
Firneburg, Wilhelm, Motherwell, assignor to Clyde Blades Limited, Lanarkshire, Scotland. Safety razor blade. 2,080,860; May 18.
Fischer, Erich, Bad Soden in Taunus, and W. Gmelin, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Nitrodyestuffs and preparing them. 2,080,704; May 18.
Fitts, George McK., Washington, D. C. Positive lock fastener. 2,080,769; May 18.
Fleetwings, Incorporated. (See Vicario, Carlo, assignor.)
Foltz, Edith, Los Angeles, Calif. Skirt. 2,080,814; May 18.
Foote-Burt Company, The. (See Doan, Theodore H., assignor.)
Ford Roofing Products Company. (See Guy, Harry L., assignor.)
Forsttrom, Edward E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Interlocking switch mechanism. 2,080,964; May 18.
Foulger, John H. (See Morris, R. S., and Foulger.)
Four Wheel Drive Auto Company, The. (See Higgins, F. M., and Donley, assignors.)
Fowler, Del R. F., Melrose Park, Pa. Upholstery padding. 2,080,886; May 18.
Francis, Dean D., et al. (See McKone, Leo J., assignor.)
Frayer, Lee A., Kent, assignor to The Lamson & Sessions Company, Cleveland, Ohio. Manufacture of nuts. 2,080,850; May 18.
Fredenburg, Marion. (See McLaughlin, Frank, assignor.)
Fredrickson, Gustav, Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Heating apparatus. 2,080,400; May 18.
Freedman, Ephraim. (See Stein, J., and Freedman.)
Freedman, Manie. (See Brush, Arthur R., assignor.)
Freer, Phelps M., Detroit, Mich. Piston. 2,080,705; May 18.
Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. High frequency electrical switch and contactor system. 2,080,861; May 18.
Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Connecter for edgewise wound coils. 2,081,089; May 18.
Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Connecter for edgewise wound coils. 2,081,090; May 18.
Freyn Engineering Company. (See Hayes, John C., assignor.)
Friederich, Ernst, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Electric cut-out. 2,081,051; May 18.
Friedman, Edward I., et al. (See Theurer, Otto, assignor.)
Friedman, William F., Washington, D. C. Message authenticating system. 2,080,416; May 18.
Frochlich, Jaroslav, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Indigoid vat dyestuffs. 2,080,862; May 18.
Frudua, Mario, Milan, Italy. Skinning apparatus. 2,080,606; May 18.
Fuehrer, George H., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Implement retainer. 2,080,887; May 18.
Fuel Development Corporation. (See Kimball, Leo B., assignor.)
Funck, Harry, Chicago, Ill. Photoengraving. 2,080,965; May 18.
G & W Electric Specialty Co. (See Papp, Andrew E., assignor.)
Gagin, Albert J. (See Le Moine, G. U., and Gagin.)
Galante, Ermanno, Woburn, Mass. Chair. 2,080,607; May 18.
Gallasch, George B., and H. F. Kurtz, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Sextant. 2,080,851; May 18.
Gallaway, William H., White Plains, N. Y. Ground glass focusing attachment. 2,081,006; May 18.
Galloway, Robert, Falkirk, Scotland. Denture. 2,081,087; May 18.
Gammel, Karl, Joliet, Ill. Coin machine. 2,080,911; May 18.
Gasoline Antioxidant Company. (See Rogers, T. R., and Voorhees, assignors.)
Gasstrom, Herman M., Mount Vernon, N. Y. Flexible tape rule. 2,080,815; May 18.
Geissen, Carl, Berlin, Germany. Railway train chassis. 2,081,007; May 18.
General Aniline Works, Inc. (See Fischer, E., and Gmelin, assignors.)
General Aniline Works, Inc. (See Munz, F., and Keller, assignors.)
General Aniline Works, Inc. (See Nüsslein, J., Daimler, and Platz, assignors.)
General Electric Company. (See Bakke, Hans A., assignor.)
General Electric Company. (See Basch, David, assignor.)
General Electric Company. (See Bünger, A., Larché, and Wiegand, assignors.)
General Electric Company. (See Cooper, Hugh S., assignor.)
General Electric Company. (See Friederich, Ernst, assignor.)
General Electric Company. (See Hagen, W., Krefft, and Kummer, assignors.)
General Electric Company. (See Hiln, A., and Reger, assignors.)
General Electric Company. (See Penning, F. M., and Jansen, assignors.)
General Electric Company. (See Pirani, M., and Fehse, assignors.)
General Electric Company. (See Runaldue, Lewis R., assignor.)
General Electric Company. (See Uyterhoeven, W., Verburg, and van Dam, assignors.)
General Electric Company. (See Wall, George, assignor.)
General Electric Company Limited, The. (See Middleton, P., and Myatt, assignors.)
General Electric X-Ray Corporation. (See Wantz, Julius B., assignor.)
General Motors Corporation. (See Fredrickson, Gustav, assignor.)
General Motors Corporation. (See Hunt, John H., assignor.)
General Motors Corporation. (See Hutchinson, Philip H., assignor.)
General Motors Corporation. (See Keller, Clarence J., assignor.)
General Motors Corporation. (See Kettering, Charles F., assignor.)
General Motors Corporation. (See Watt, William W., assignor.)
Gilbert, Levi L. (See Nathansohn, John, assignor.)
Gilbert, Levi L., Mountain Grove, Mo. Pneumatic foot support. 2,080,469; May 18.
Gillet, Alexis F., Omaha, Nebr., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Suction actuated signaling mechanism. 2,080,470; May 18.
Gillette, William R., Maywood, and A. L. Warner, Elgin, assignors to Illinois Iron and Bolt Company, Carpentersville, Ill. Mower guard construction. 2,080,471; May 18.
Ginter, Charles W., and J. F. Carter, assignors to The Aro Equipment Corporation, Bryan, Ohio. Oil dispensing system. 2,080,566; May 18.
Ginter, Charles W., and J. F. Carter, assignors to The Aro Equipment Corporation, Bryan, Ohio. Liquid Storage device. 2,080,567; May 18.
Glab, William N., assignor to Morrison Brothers Company, Dubuque, Iowa. Apparatus and method of pumping hydrocarbon liquids. 2,080,706; May 18.
Gleason Works. (See Heard, August C., assignor.)
Globe American Corporation. (See Hill, Dewey H., assignor.)
Glover, John L. R., et al. (See Sinitzin-White, Nicholas, assignor.)
Gmelin, Walter. (See Fischer, E., and Gmelin.)
Goat Radio Tube Parts, Inc. (See Hafecost, F., and Staver, assignors.)
Goldschmidt, Stefan, Karlsruhe, and K. Martin, Bruchsal, Germany, assignors to the firm Kessler Chemical Corporation, New York, N. Y. Toxic agents. 2,080,770; May 18.
Goldsmith, Walter A., Cleveland Heights, Ohio. Slip. 2,081,116; May 18.
Gollwitzer, Walter T., assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Index device. 2,080,417; May 18.
Goodwin, Edwin W. (See Rader, E. D., and Goodwin.)
Gordon, George N., Brockton, Mass., assignor to United Shoe Machinery Corporation of Paterson, N. J. Abrading machine. 2,080,538; May 18.
Goss, Harry T., et al. (See Johnsen, Bjornulf, assignor.)
Goss & Johnson. (See Johnsen, Bjornulf, assignors.)
Gould, Robert E., Norris, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala. Apparatus for making ceramic articles. 2,080,418; May 18.
Gow-Mac Instrument Company. (See Gow, William G., assignor.)
Gow, William G., Belleville, assignor to Gow-Mac Instrument Company, Newark, N. J. Cell block. 2,080,660; May 18.
Grade-O-Lite, Inc. (See Templeman, James A., assignor.)
Graham, Joshua H., Fisherton, Argentina, assignor, by mesne assignments, to Automatic Electric Company Limited, Liverpool, England. Signaling or indicating apparatus. 2,081,035; May 18.
Gray, George F., Poughkeepsie, N. Y. Memorandum device. 2,081,036; May 18.
Gray, Percy, Jefferson, Iowa. Mercury switch structure. 2,080,707; May 18.
Grece, Harry H., Detroit, Mich. Lubricated dust guard. 2,080,472; May 18.

Green, Earl E. (See Beil, F. F., and Green.)
Green, Stanley J., Blackley, Manchester, England. Producing higher fatty alcohols. 2,080,419; May 18.
Greene Manufacturing Co. (See Albert, Carl P., assignor.)
Greenridge, Ralph M. C., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Loading coil case. 2,080,473; May 18.
Greneker, Lillian L. (See Scovil, C. L., and Greneker.)
Griffith, Ronald G., Upper Warlingham, England. Translating mechanism for printing or recording apparatus. 2,080,966; May 18.
Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Mold for frozen confections. 2,080,816; May 18.
Guinosso, Aloysius, Philadelphia, Pa. Electric switch. 2,080,817; May 18.
Gunnert, Anders R. (See Eskilson, S. A., Gurrent, and Hübinette.)
Guntrup, Paul C., Ashland, Ohio. Advertising medium. 2,081,088; May 18.
Gustafson, Roy C. (See Thomas, Charles E., assignor.)
Guthrie, Watson A., executor. (See Ermold, Edward.)
Gutzeit, Carlos L. (See Morales, J., Quillin, and Gutzeit.)
Guy, Harry L., assignor to Ford Roofing Products Company, Chicago, Ill. Roofing fastener. 2,080,912; May 18.

Haas, George H., Lakeville, Conn. Process and apparatus for the production of lime and carbon dioxide. 2,080,981; May 18.
Haas, Joseph, Newport, Ky. Identification tag. 2,080,852; May 18.
Hackman, Max, Brooklyn, N. Y. Receptacle for smokers' articles. 2,808,818; May 18.
Hafecost, Frederick, and E. F. Staver, assignors to Goat Radio Tube Parts, Inc., Brooklyn, N. Y. Radio tube shield. 2,080,913; May 18.
Hagen, Wilhelm, Berlin, H. Krefft, Berlin-Friedrichshagen, and H. Kummer, Neuenhagen-Sud, near Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge lamp. 2,080,914; May 18.
Haines, Ernest A., Vancouver, Wash. Fireplace screen. 2,080,708; May 18.
Hale, Frank C., and R. Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America. Circular loom and driving means therefor. 2,080,819; May 18.
Hale, Frank C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Selvedging mechanism for circular looms. 2,080,771; May 18.
Hale, Frank, C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Circular loom for weaving. 2,080,772; May 18.
Hale, Frank C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Circular loom. 2,080,773; May 18.
Hale, Frank C., Spondon, near Derby, England, and J. Jabouley, Villeurbanne, France, assignors to Celanese Corporation of America. Circular loom. 2,080,774; May 18.
Hall, Dwight E., and W. A. Morkert, Polson, Mont. Trailer for automobiles. 2,080,709; May 18.
Hall, John W. (See Hunter, L. N., and Hall.)
Hall, Robert A., Brooklyn, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Antisunburn preparations. 2,081,117; May 18.
Hallberg, Norman, Chicago, Ill. Davenport bed. 2,080,474; May 18.
Hamann, Christel, Neu-Babelsberg, near Berlin, assignor to firm Deutsche Telephonwerke und Kabelindustrie Aktiengesellschaft, Berlin, Germany. Calculating machine. 2,081,008; May 18.
Hannaford, Earle S., Clayton, Mo. Golf game improver. 2,080,608; May 18.
Hanney, Angus F., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio. Apparatus for evacuating pressing elements. 2,080,915; May 18.
Hannifin Manufacturing Co. (See Boyer, Earle G., assignor.)
Hansen, Christ T., Chicago, Ill., assignor, by mesne assignments, to The Standard Stoker Company, Inc. Fuel conveyer and crusher. 2,080,710; May 18.
Haraldson, John M., Spokane, Wash. Vehicle jack. 2,080,711; May 18.
Hardcastle, Yellott F., et al. (See Bartell, Floyd E., assignor.)
Harden, Wilton C., Catonsville, assignor to Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Antiseptic. 2,080,863; May 18.
Hart-Carter Company. (See Ingraham, C. C., and Varusky, assignors.)
Hartt, Robert A., Lynn, Mass. Machine for applying edge bindings to shoe uppers. 2,080,712; May 18.
Haughton Elevator & Machine Company, The. (See Thurston, Ernest B., assignor.)
Havekost, John T., Jackson Heights, N. Y., and O. K. Zwingenberger, Elizabeth, N. J.; Paula Zwingenberger, administratrix of said O. K. Zwingenberger, deceased, assignor to said Havekost. Charge forming. 2,080,420; May 18.
Hayden, David H., Brooklyn, N. Y. Scaffold and clamp for scaffolds and the like. 2,080,916; May 18.
Hayes, John C., assignor to Freyn Engineering Company, Chicago, Ill. Gas cleaning means. 2,080,713; May 18.
Hazeltine Corporation. (See Case, Nelson P., assignor.)
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Heard, August C., assignor to Gleason Works, Rochester, N. Y. Gear cutter. 2,080,401; May 18.
Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. Stand for motor driven tools. 2,080,475; May 18.
Heim, Lewis R., Mount Dora, Fla. Bearing construction. 2,080,609; May 18.
Heppenstall, Thomas A., Cheshire, England, assignor to H. H. Robertson Company, Pittsburgh, Pa. Ventilator. 2,080,476; May 18.
Hercules Powder Company. (See Peterson, Ernest G., assignor.)
Hercules Powder Company. (See Ward, Kyle, Jr., assignor.)
Herman, Harry O., Yeadon, Pa. Tobacco pouch. 2,080,402; May 18.
Herreshoff, Alexander G. (See Hicks, H. A., Herreshoff, and Buchner.)
Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelope. 2,081,052; May 18.
Hickman, Kenneth C. D., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Vacuum pump. 2,080,421; May 18.
Hicks, Carl G., Chicago, Ill. Stopper for drain outlets. 2,081,037; May 18.
Hicks, Harold A., Detroit, A. G. Herreshoff, Grosse Pointe, and A. A. Buchner, assignors to Chrysler Corporation, Detroit, Mich. Body structure. 2,080,714; May 18.
Higgins, Francis M., and B. G. Donley, assignors to The Four Wheel Drive Auto Company, Clintonville, Wis. Compensating differential. 2,080,477; May 18.
High Point Bending & Chair Co. (See Croft, John J., assignor.)
Hildebrand, Fred, Cincinnati, Ohio. Combination nut cracker and playing card press. 2,080,478; May 18.
Hill, Dewey H., assignor to Globe American Corporation, Kokomo, Ind. Thermostatic control. 2,080,661; May 18.
Hill, Frank B. (See Ellis, G. H., Moncrieff, and Hill.)
Hill, J. G. H. (See Wilcox, William H., assignor.)
Hilts, Harold C., Honolulu, Hawaii. Insecticide sprayer. 2,080,864; May 18.
Hinderliter, Frank J., Tulsa, Okla. Casing head and blow-out preventer. 2,080,715; May 18.
Hintz, Fred W., Lodi, Calif. Ridge breaker. 2,080,888; May 18.
Hitchcock, Rex B., Marcq-en-Baroeul, France, assignor to International Harvester Company. Self-aligning sprocket wheel. 2,080,716; May 18.
Hitchcock, Rex B., Marcq-en-Baroeul, France, assignor to International Harvester Company. Corn husker. 2,080,717; May 18.
Hix, Ernest, et al. (See Fairbanks, Jerry B., assignor.)
Hobson, Tolbert F., St. Petersburg, Fla. Outboard motor handle. 2,081,053; May 18.
Hochman, Julius C., New York, N. Y., assignor to Eagle Pencil Company. Drafting implement. 2,080,917; May 18.
Hocker, Fred. (See Welk, N. S., and Hocker.)
Hoenighausen, John, Jamaica, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Floating roof construction. 2,080,568; May 18.
Hoff, Elliott F., Willoughby, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Plating of zinc. 2,080,479; May 18.
Holley, Geo. M. and Earl, Engineering. (See Holley, George M., assignor.)
Holley, George M., Grosse Pointe Farms, Mich. Carburetor. 2,080,570; May 18.
Holley, George M., Grosse Pointe, assignor to Geo. M. and Earl Holley Engineering, Detroit, Mich., a trust. Downdraft carburetor. 2,080,569; May 18.
Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation-controlled magnetron oscillator. 2,080,571; May 18.
Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation system for ultra-high frequency waves. 2,080,572; May 18.
Homan, John L., Dayton, Ohio. Shaft sealing device for refrigerators. 2,080,403; May 18.
Honig, Frank, Pawtucket, R. I. Method and apparatus for twisting filaments. 2,080,918; May 18.
Hoover Company, The. (See Everett, Richard E., assignor.)
Hoover Company, The. (See Hoover, Howard E., assignor.)
Hoover Company, The. (See Sellers, William D., assignor.)
Hoover Company, The. (See White, Harry B., assignor.)
Hoover, Howard E., Glencoe, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,080,480; May 18.

Hoover, Kenneth H., Deerfield, Ill., assignor to Association of American Soap & Glycerine Producers, Inc., New York, N. Y. Passive hydraulic medium. 2,080,422; May 18.
Hotchkiss, Clifford, Milwaukee, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heat control system and switching mechanism therefor. 2,080,718; May 18.
Hott, Ion V. K., assignor to The Joyce-Cridland Company, Dayton, Ohio. Lifting mechanism for automobiles and the like. 2,080,481; May 18.
Houlis, Louis D., Dallas, Tex. Baking oven. 2,080,719; May 18.
Howard Hosiery Company. (See Talt, Francis, Jr., assignor.)
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container filling machine. 2,080,482; May 18.
Huber, John, assignor to United Concrete Pipe Corporation, Los Angeles, Calif. Metalworking machine. 2,080,889; May 18.
Hübinette, Knut G. E. (See Eskilson, S. A., Gunnert, and Hübinette.)
Hull, Richard O., Lakewood, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Co., Wilmington, Del. Electrodeposition of zinc. 2,080,483; May 18.
Humason, Granville A., Houston, Tex. Combination blow-out preventer casing head construction. 2,080,610; May 18.
Hunt, John H., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Auto coasting device. 2,080,484; May 18.
Hunter, Louis N., and J. W. Hall, assignors to National Radiator Corporation, Johnstown, Pa. Boiler. 2,080,404; May 18.
Hurford, William H. (See Whittaker, H. L., and Hurford.)
Hussey, Irving J., San Francisco, Calif. Furnace baffle. 2,080,405; May 18.
Hutchinson, Philip H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Cutting machine. 2,080,941; May 18.
Hydraulic Brake Company. (See Loweke, Aaron A., assignor.)
Hydraulic Supply Manufacturing Company. (See Norris, George H., assignor.)
Hygrade Sylvania Corporation. (See Carter, Emmett F., assignor.)
Hynson, Wescott & Dunning, Incorporated. (See Harden, Wilton C., assignor.)
I. G. Farbenindustrie Aktiengesellschaft, et al. (See Kuss, E., and Miessner, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wick, Georg, assignor.)
Ihln, Alois, Berlin-Weissensee, and M. Reger, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Gaseous electric discharge device. 2,080,919; May 18.
Illinois Engineering Company. (See Leutwiler, R. W., and Eichholz, assignors.)
Illinois Iron and Bolt Company. (See Gillette, W. R., and Warner, assignors.)
Imperial Chemical Industries Limited. (See Lessing, Rudolf, assignor.)
Industrial Brownhoist Corporation. (See Taylor, Ernest W., assignor.)
Ingalls, Harry P., Berwyn, assignor of one-half to E. F. Whitchurch, Chicago, Ill. Producing frozen confections. 2,080,920; May 18.
Ingersoll-Rand Company. (See Fuehrer, George H., assignor.)
Ingersoll-Rand Company. (See Kirgan, J., and Woodard, assignors.)
Ingraham, Charles C., and J. J. Varusky, Minneapolis, Minn., assignors to Hart-Carter Company, Peoria, Ill. Grain separator. 2,080,890; May 18.
International Harvester Company. (See Hitchcock, Rex B., assignor.)
International Harvester Company. (See Lindgren, Alexus C., assignor.)
International Harvester Company. (See Peterson, Walter R., assignor.)
International Harvester Company. (See Rogers, Clifford R., assignor.)
Inter-Outer Telephone Corporation. (See Varley, Richard, assignor.)
Iodent Chemical Company. (See Lautmann, Alfred J., assignor.)
Ion Corporation. (See Kott, Hermann, assignor.)
Irvin, George E., Kansas City, Mo., assignor to Pioneer Instrument Company, Inc., Brooklyn, N. Y. Radio antenna retracting mechanism. 2,080,539; May 18.
Isaac, Otto, Ely, Nev. Propeller. 2,080,540; May 18.
Isom, Edward W., Scarsdale, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 2,080,820; May 18.
Jabouley, Joanny. (See Hale, F. C., and Jabouley.)
Jabouley, Joanny, and R. Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America. Shedding mechanism for circular looms. 2,080,775; May 18.
Jackson, Arthur R., London, England, assignor to Remington Rand Inc., Buffalo, N. Y. Visible index title insert. 2,080,822; May 18.
Jackson, Byron, Co. (See Van Horn, J. B., and Wagner, assignors.)
Jackson, Corwill, Ludington, Mich. Tool for working ballast and plastic materials. 2,080,921; May 18.
Jackson, Edward Q., et al. (See Salvoni, Ippolito, assignor.)
Jacob, George, Jr., Belleville, and E. B. Wright, Jr., Montclair, N. J. Brush. 2,080,821; May 18.
Jacobs Manufacturing Company, The. (See Stoner, Arthur M., assignor.)
Jacobson, Oystein, Dayton, Ohio, assignor to The Duriron Company, Inc. Packing for centrifugal pumps and the like. 2,080,891; May 18.
Jacobson, William, and F. E. Quest, New York, N. Y. Adjustable needle guard for sewing machines. 2,080,541; May 18.
Jacoby, Enos R., Muskegon, assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,080,662; May 18.
Jahnke, Charles B., Oak Park, assignor to Fairbanks, Morse & Co., Chicago, Ill. Head structure for internal combustion engines. 2,080,720; May 18.
Jansen, Marinus J. (See Penning, F. M., and Jansen.)
Jessen, Lee R., Wauwatosa, Wis. Apparel stretching and drying frame. 2,080,823; May 18.
Joers, Carl F., Los Angeles, Calif. Apparatus for use in television. 2,080,942; May 18.
Johnsen, Bjornulf, Summit, N. J., assignor to H. T. Goss and B. Johnsen, copartners trading as Goss & Johnson, New York, N. Y. Safety device. 2,080,485; May 18.
Johnson, Charles E. (See Olson, Theodore L., assignor.)
Johnson, Frederick B., Murrysville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,080,611; May 18.
Johnson Service Company. (See Otto, Carl A., assignor.)
Johnston, Joseph, assignor to Midwest Process Co., Detroit, Mich. Reproducing. 2,080,663; May 18.
Jona, Alberto, Milan, Italy. Airplane. 2,080,967; May 18.
Jones, Cecil. (See Mazoyer, L. J., and Jones.)
Jones, Harry W., Webster Groves, Mo., assignor to The Sanford Investment Company, Knoxville, Tenn. Dump vehicle. 2,080,943; May 18.
Joyce-Cridland Company, The. (See Hott, Ion V. K., assignor.)
Kane, James M., Los Banos, P. I. Monitoring system. 2,080,423; May 18.
Kane, Thomas C., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Valve. 2,080,824; May 18.
Kansas City Testing Laboratory. (See Stareck, Jesse E., assignor.)
Karcher, Arthur A., and C. B. Brown, assignors to B. F. Brown, Fostoria, Ohio. Torch. 2,080,664; May 18.
Kast, Harry A., Cranford, N. J., assignor to American Cyanamid Company, New York, N. Y. Continuously manufacturing hydrochloric acid. 2,081,118; May 18.
Kaufmann, Werner. (See Kesselring, F., Koppelmann, and Kaufmann.)
Keinath, Georg, Berlin-Sharlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Device for testing the operation of timepieces. 2,080,825; May 18.
Keiser, Bernhard. (See De Groote, M., and Keiser.)
Keller, Clarence J., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Apparatus for forming tubular articles. 2,081,038; May 18.
Keller, Karl. (See Munz, F., and Keller.)
Kelley, Blaine, Charlotte, N. C. Pressure filter. 2,081,009; May 18.
Kelly, Benjamin W., Des Moines, Iowa, assignor to Keystone View Company, Meadville, Pa. Testing eyes and apparatus therefor. 2,080,721; May 18.
Kelly, John C., Westmount, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 2,080,486; May 18.
Kenyon, Roger C., Le Grand, Calif. Power steering system. 2,081,054; May 18.
Kesselring, Fritz, Berlin-Hermsdorf, and F. Koppelmann and W. Kaufmann, Berlin-Siemensstadt, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,080,612; May 18.
Kessener, Herman J. N. H., The Hague, Netherlands, assignor to The Dorr Company, Inc., New York, N. Y. Method of and apparatus for sewage sludge digestion. 2,081,039; May 18.
Kessler Chemical Corporation. (See Goldschmidt, S., and Martin, assignors.)
Kettering, Charles F., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Synchronous control of clutch servos. 2,080,487; May 18.
Keystone View Company. (See Kelly, Benjamin W., assignor.)
Kilb, Francis C., and H. S. Woodruff, Larchmont, assignors to American Radiator Company, New York, N. Y. Ventilating apparatus. 2,081,107; May 18.
Kilb, Francis C., Larchmont, assignor to American Radiator Company, New York, N. Y. Ventilating apparatus. 2,081,106; May 18.

Kilb, Francis C., Larchmont, assignor to American Radiator Company, New York, N. Y. Ventilating apparatus. 2,081,108; May 18.

Kilb, Francis C., Larchmont, assignor to American Radiator Company, New York, N. Y. Ventilating apparatus. 2,081,109; May 18.

Kimball, Leo B., New Haven, Conn., assignor to Fuel Development Corporation. De-icing internal combustion engine fuel supply apparatus. 2,080,488; May 18.

King, Walter E., assignor to J. S. Abercrombie, Houston, Tex. Packing. 2,081,040; May 18.

Kiracofe, Clifford, Lima, Ohio. Tank cap lock. 2,081,055; May 18.

Kirchheim, Walter H. (See Reynolds, F. C., and Kirchheim.)

Kirgan, John, Easton, Pa., and G. H. Woodard, Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Controlling means for refrigerating apparatus. 2,080,892; May 18.

Kispert, Joseph J., Hamden, assignor to I. Newman & Sons, Inc., New Haven, Conn. Corset. 2,081,010; May 18.

Kivley, Ray C. (See Rinek, F. B., and Kivley.)

Klein, Frederick, Glen Rock, assignor to Sipp-Eastwood Corporation, Paterson, N. J. Tension means for winding machines. 2,080,893; May 18.

Knorpp, Philip J., Wilmette, Ill. Game. 2,080,489; May 18.

Kollsman, Paul, New York, N. Y. Remote controlled indicator with stabilized head, pitch, and bank indicating unit. 2,080,490; May 18.

Kouble, Philip J., assignor to Philco Radio & Television Corporation, Philadelphia, Pa. Electrical system. 2,081,127; May 18.

Koppelmann, Floris. (See Kesselring, F., Koppelmann, and Kauffmann.)

Kott, Hermann, New York, N. Y., assignor, by mesne assignments, to Ion Corporation, Short Hills, N. J. Apparatus for measuring radiation. 2,081,041; May 18.

Konlichkov, Serge N., New York, N. Y. Surveyor's compass. 2,080,776; May 18.

Kraeft, Herman L., assignor to The Murray-Ohio Manufacturing Co., Cleveland, Ohio. Juvenile vehicle and body construction. 2,080,922; May 18.

Kramer, Charles F. (See Williams, R., and Kramer.)

Kraut, Irving D., New York, N. Y. Multicolor interchangeable flap for ladies' handbags. 2,080,453; May 18.

Krefft, Hermann. (See Hagen, W., Krefft, and Kummer.)

Kreisher, Claude, Towson, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Conducting system. 2,080,491; May 18.

Krell, Joseph, Berlin-Zehlendorf, Germany. Automatic feeding device. 2,080,968; May 18.

Krueger, Frank, Brooklyn, assignor to E. W. Bliss Company, New York, N. Y. Can beader. 2,081,042; May 18.

Kuempel, Leon L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control system. 2,081,091; May 18.

Kühni, Hans, Basel, Switzerland, assignor to l'Air Liquide, Societe Anonyme pour l'Etude & l'Exploitation des Procedes Georges Claude, Paris, France. Heat exchanger. 2,081,043; May 18.

Kummer, Hermann. (See Hagen, W., Krefft, and Kummer.)

Kurtz, Henry F. (See Gallasch, G. B., and Kurtz.)

Kuss, Ernst, and H. Miessner, Leverkusen-I. G. Werk, assignors of one-half to Duisburger Kupferhutte, Duisburg, and one-half to I. G. Farbenindustrie Aktiengesellschaft, Frankfort, Germany. Conveyer. 2,080,542; May 18.

Kuttes, Anthony, Oakland, Calif. Coat. 2,080,944; May 18.

L'Air Liquide, Societe Anonyme pour l'Etude & l'Exploitation des Procedes Georges Claude. (See Kühni, Hans, assignor.)

Lamson & Sessions Company, The. (See Frayer, Lee A., assignor.)

Lange, Bruno, Berlin-Dahlem, Germany. Light operated electric photometer. 2,080,613; May 18.

Larché, Kurt. (See Bünger, A., Larché, and Wiegand.)

Larsen, Elner W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Power transmitting mechanism. 2,080,665; May 18.

Larson, Edward S., and C. A. Levin, Chicago, Ill., assignors, by mesne assignments, to Teletypesetter Corporation. Keyboard perforator and counter. 2,080,424; May 18.

Lassen, Hans G., Chicago, Ill. Portable dispenser. 2,080,923; May 18.

Lassiter, Lemuel L., Charlotte, N. C. Attachment for serving trays. 2,080,865; May 18.

Lathrap, Lloyd J., assignor to Pacific Can Company, San Francisco, Calif. Tear strip collar can. 2,080,826; May 18.

Laub, D. Kenneth, et al. (See Bartell, Floyd E., assignor.)

Laub, Stanley V., et al. (See Bartell, Floyd E., assignor.)

Laurenzi, Joseph. (See Crawford, Walter C., assignor.)

Lautmann, Alfred J., assignor to Iodent Chemical Company, Detroit, Mich. Combined cake breaker, pastry knife, and server. 2,081,011; May 18.

Lebensart, Salamon, Vienna, Austria. Explosive projectile. 2,080,777; May 18.

Lee, Edward. (See O'Connor, C., and Lee.)

Lee, Orval W., Spokane, Wash. Astigmatometer. 2,080,614; May 18.

Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Oscillating joint. 2,080,722; May 18.

Lee, Thomas F., Atlanta, Ga. Mop wringer. 2,080,945; May 18.

Leek, Thomas G. (See Statham, N., and Leek.)

Leigh, Nathan J., Great Neck, assignor to Elnson-Freeman Co., Inc., Long Island City, N. Y. Display device. 2,081,012; May 18.

Leitz, E., Inc. (See Schenk, Friedrich, assignor.)

Le Moine, George U., Amesbury, and A. J. Gagin, Lawrence, assignors to The Brush-On Stove Polish Company, Amesbury, Mass. Fountain applicator. 2,080,778; May 18.

Lesher, Carl E., Ben Avon, assignor to Pittsburgh Coal Carbonization Company, Pittsburgh, Pa. Carbonization of coal. 2,080,946; May 18.

Lessing, Rudolf, London, England, assignor to Imperial Chemical Industries Limited. Purification of combustion gases. 2,080,779; May 18.

Leutwiler, Richard W., Chicago, and W. Eichholz, Cicero, assignors to Illinois Engineering Company, Chicago, Ill. Pressure regulating valve. 2,080,666; May 18.

Levin, Carl A. (See Larson, E. S., and Levin.)

Levinson, David, Chicago, Ill. Inflatable ball. 2,080,894; May 18.

Levy, M. S., & Sons, Inc. (See Moses, L. W., and Duerr, assignors.)

Ligeour, Joseph C., Brunswick, Ga. Bottle carrier and cap remover. 2,080,947; May 18.

Lindgren, Alexus C., Chicago, Ill., assignor to International Harvester Company. Knife weeder. 2,080,723; May 18.

Lindsay, R. A., et al. (See Fairbanks, Jerry B., assignor.)

Line Material Company. (See Churchill, Homer, assignor.)

Littell, F. J., Machine Company. (See Littell, Frederick M., assignor.)

Littell, Frederick M., assignor to F. J. Littell Machine Company, Chicago, Ill. Valve and supporting means therefor. 2,080,724; May 18.

Lobdell, Edward J., Jr., assignor to The Lobdell-Emery Manufacturing Company, Alma, Mich. Fabricating bicycle rims. 2,080,866; May 18.

Lobdell-Emery Manufacturing Company, The. (See Lobdell, Edward J., Jr., assignor.)

Loewer, Henry B., Kenmore, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,080,615; May 18.

Logan, Leonard, Flushing, N. Y., and C. Webber, Hoboken, N. J., assignors to The Bristol Company, Waterbury, Conn. Automatic terminator for cycle control systems. 2,080,924; May 18.

Long, George A., Hartford, Conn., assignor to The Electric Steam Sterilizing Company, New York, N. Y. Sanitary toilet seat. 2,081,110; May 18.

Loweke, Aaron A., assignor to Hydraulic Brake Company, Detroit, Mich. Compound cylinder. 2,081,056; May 18.

Lower, Nathan M., Tuckahoe, assignor, by mesne assignments, to The Standard Stoker Company, Inc., (1922), New York, N. Y. Drive mechanism. 2,080,725; May 18.

Lowinger, Max, Columbus, Ohio. Register attachment for hot air registers. 2,080,726; May 18.

Lowres Optical Manufacturing Co. (See Petersen, Henry C., assignor.)

Ludeman, Edwin H., Jr., Brooklyn, N. Y. Vibration generating apparatus. 2,080,727; May 18.

Ludwig, Louis, Brooklyn, N. Y. Fuse plug. 2,080,667; May 18.

Lyman, Kenneth E., et al. (See McKone, Leo J., assignor.)

Lynn, George, Wadsworth, and E. M. Allen, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company. Precipitated finely divided calcium carbonate. 2,080,616; May 18.

Lyon Cover Company. (See Fergueson, Arthur P., assignor.)

Lyon, George A., assignor to Lyon Incorporated, Detroit, Mich. Spare tire and wheel cover. 2,080,492; May 18.

Lyon Incorporated. (See Lyon, George A., assignor.)

Lysholm, Alf, assignor to Aktiebolaget Milo, Stockholm, Sweden. Turbine. 2,080,425; May 18.

Maas, A. R., Chemical Company. (See Bowman, F. C., and Stougaard, assignors.)

Macbeth, Colin, Birmingham, England. Automobile vehicle having independently-sprung road wheels. 2,080,969; May 18.

Macdonald, Ian, Modesto, Calif. Knock-down portable table. 2,080,982; May 18.

MacKenzie, Frank, et al. (See Bartell, Floyd E., assignor.)

MacNeill, William J., Milwaukee, Wis., and H. S. Palmer, Chicago, Ill. Protective cap for gas tanks. 2,080,728; May 18.

Madariaga, Flavio, Venice, Calif. Multiple fuel carburetor. 2,080,617; May 18.

Madsen, Berthel F., Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Keyboard perforator and counter. 2,080,426; May 18.

Madsen, Carl C., Los Angeles, assignor to E. C. Madsen, Redlands, Calif. Structural unit. 2,080,618; May 18.

Madsen, Elwood C. (See Madsen, Carl C., assignor.)

Madsen, Sern, assignor to G. L. and E. J. Curtis, and C. A. Armstrong, Clinton, Iowa. Sink and counter top construction. 2,080,573; May 18.

Majer, Christian, Tubingen, Germany. Method and machine for manufacturing paper tubes, especially conical tubes. 2,080,619; May 18.

Mallory, P. R., & Co. (See Emmert, Kenneth L., assignor.)

Manley, Clifford W., Spokane, Wash. Automobile cushion. 2,081,111; May 18.

Manning, Fowler, Bronxville, assignor to American Radiator Company, New York, N. Y. Air circulating apparatus. 2,081,104; May 18.

Marathon Paper Mills Company. (See Broeren, Frank L., assignor.)

Marathon Paper Mills Company. (See McConnell, Palmer B., assignor.)

Marathon Paper Mills Company. (See Mull, Arthur B., assignor.)

Mars, James C., New York, N. Y. Process and apparatus for treating waste. 2,080,780; May 18.

Marsden, William R., Brooklyn, N. Y. Pipe pile construction. 2,080,493; May 18.

Marshall, Thomas C., Yorklyn, Del. Internal combustion motor. 2,080,970; May 18.

Martin, Eugene. (See Anderson, H. P., and Martin.)

Martin, Karl. (See Goldschmidt, S., and Martin.)

Martin, Paul N. (See Allen, E. M., and Martin.)

Martin, Raymond L., Dayton, Ohio. Drafting instrument. 2,080,620; May 18.

Martindell, Frank, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and appartus for coating strands. 2,080,494; May 18.

Mascuch, Joseph J., Newark, N. J. Spark plug shield. 2,080,827; May 18.

Mast, Glendon R., Terre Haute, Ind. Valved dispensing device. 2,080,867; May 18.

Mastin, Charles R., Midland Park, N. J. Conveyer. 2,080,828; May 18.

Mattern, Raymond P., Elkhart, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Process of and apparatus for purifying hydrogen. 2,080,621; May 11.

Mayes, Jess, Buda, Tex. Window sash. 2,080,868; May 18.

Mazoyer, Leon J., Baldwin, N. Y., and C. Jones, Red Bank, N. J., assignors to Whitall Tatum Company, New York, N. Y. Making a combined bottle stopper and syringe. 2,080,948; May 18.

McBee Company, The. (See Welk, N. S., and Hocker, assignors.)

McCombs, William L., Elizabeth, and C. L. Sheesley, McKeesport, Pa. Heater. 2,080,949; May 18.

McConnell, Palmer B., Appleton, assignor to Marathon Paper Mills Company, Rothschild, Wis. Dispensing carton. 2,080,729; May 18.

McCortney, Willett J., Royal Oak, assignor to Chrysler Corporation, Detroit, Mich. Cement. 2,080,730; May 18.

McCoy, Verl E., assignor to Wilson Engineering Corporation, Chicago, Ill. Blow-off apparatus. 2,080,574; May 18.

McDonald, Francis J., Los Angeles, Calif. Lead pencil. 2,081,057; May 18.

McDuffie, William C. (See Craig, Wallace A., assignor.)

McKittrick, George, Independence, Kans. Device for cooling and dispensing liquids. 2,080,781; May 18.

McKone, Leo J., Chicago, Ill., assignor of one-half to D. D. Francis, Cleveland, Ohio, and one-eighth to K. E. Lyman, Chicago, Ill. Spark plug cooling device. 2,080,495; May 18.

McLaughlin, Frank, assignor to M. Fredenburg, Toronto, Ontario, Canada. Closure for collapsible tubes and containers. 2,080,427; May 18.

McLaughlin, F. L., Company. (See Ross, Frederick N., assignor.)

McMahon, Edward J., assignor to Bronson Reel Company, Bronson, Mich. Reciprocating mechanism. 2,080,428; May 18.

McMahon, William F., Riverside, Calif. Apparatus for entraining oil and gas from oil wells. 2,080,622; May 18.

McMahon, William F., Riverside, Calif. Oil well pump. 2,080,623; May 18.

McMahon, William F., Riverside, Calif. Oil well pump. 2,080,624; May 18.

McNab, Duncan J., et al. (See Bartell, Floyd E., assignor.)

McNally, James A., U. S. Navy. Aneroid condenser. 2,080,429; May 18.

McNeely, Frederick W., Sr., Evansville, Ind. Desk-bar. 2,080,869; May 18.

Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,080,731; May 18.

Mell, Edward H., Yeadon, and H. W. Mell, Brookline, Pa. End wall construction for wooden boxes. 2,080,496; May 18.

Mell, Howard W. (See Mell, Edward H. and H. W.)

Merolle, Augustus L., Brooklyn, N. Y. Receptacle closure. 2,080,983; May 18.

Merrell, Wm. S., Company, The. (See Morris, R. S., and Foulger, assignors.)

Metals and Controls Corporation. (See Bolesky, John D., assignor.)

Meuly, Walter C., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of perfume bases. 2,080,497; May 18.

Meuly, Walter C., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of perfume bases. 2,080,498; May 18.

Meyer, Fred C., Paterson, and G. E. Moffitt, East Paterson, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Joint for electric cables. 2,080,829; May 18.

Meyer, Gustav A. J. (See Priesmeyer, Charles, assignor.)

Micro-Westco, Inc. (See Petskeyes, Charles H., assignor.)

Middleton, Percy, Kew, and V. G. Myatt, deceased, by M. L. Myatt, executrix, North Wembley, assignors to The General Electric Company Limited, London, England. Electric discharge device. 2,080,925; May 18.

Midland Steel Products Company, The. (See Begg, R. S., and Thoms, assignors.)

Midwest Process Co. (See Johnston, Joseph, assignor.)

Miessner, Horst, et al. (See Kuss, E., and Miessner.)

Miller, Florian E., Columbus, Ohio. Apparatus for purifying and refining molten metals. 2,080,625; May 18.

Miller, George C., Brighton, Mass., assignor to Excelsior Machine Corporation. Apparatus for packaging assorted confections. 2,081,092; May 18.

Miller, George C., Brighton, Mass., assignor to Excelsior Machine Corporation. Packing a predetermined candy mixture. 2,081,093; May 18.

Milne, Alexander, and M. P. Comerford, Ottawa, Ontario, Canada. Guard for washing machine wringers. 2,081,058; May 18.

Miner, W. H., Inc. (See Loewer, Henry B., assignor.)

Miner, W. H., Inc. (See Olander, Roland J., assignor.)

Miner, W. H., Inc. (See Withall, Albert P., assignor.)

Minneapolis-Honeywell Regulator Company. (See Hotchkiss, Clifford, assignor.)

Minneapolis-Honeywell Regulator Company. (See Kuempel, Leon L., assignor.)

Minneapolis-Honeywell Regulator Company. (See Mattern, Raymond P., assignor.)

Minneapolis-Honeywell Regulator Company. (See Shipley, Sylvanus C., assignor.)

Miserez, Constant A., Montreal, Quebec, Canada, assignor to G. E. Prentice Manufacturing Company, Berlin, Conn. Apparatus for attaching fasteners. 2,080,984; May 18.

Mitchell, Frank A., London, assignor to Electric & Musical Industries Limited, Hayes, England. Ball and anchorage therefor for use in playing ball games using anchored balls. 2,081,059; May 18.

Mnookin, Nathan M. (See Speas, V. E., and Mnookin.)

Möbius, Walter, Magdeburg, Germany. Lathe. 2,080,830; May 18.

Modigliani, Piero, Livorno, Italy. Mechanical production of glass felt. 2,081,060; May 18.

Moffitt, George E. (See Meyer, F. C., and Moffitt.)

Mojonnier, Oliver W., River Forest, Ill. Tube. 2,080,626; May 18.

Moliberg, Byron, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor device. 2,080,668; May 18.

Monarch Making System Limited. (See Pierce, Oscar H., assignor.)

Moncrieff, Robert W. (See Ellis, G. H., Moncrieff, and Hill.)

Monitor Controller Company. (See Frese, Joseph F., assignor.)

Moore Dry Kiln Company of Oregon, The. (See Steel, Joseph I., assignor.)

Morales, Jesse, and E. S. Quillin, San Antonio, and C. L. Gutzelt, Austin, Tex., said Morales and said Gutzelt assignors to said Quillin. Treatment of pus and gangrenous cases. 2,081,119; May 18.

Morgan, Benjamin T., Kansas City, Mo. Rubber cushioned universal joint. 2,080,627; May 18.

Morgan, John D., South Orange, assignor to Power Patents Company, Jersey City, N. J. Gas analysis method and apparatus. 2,081,094; May 18.

Morkert, Walter A. (See Hall, D. F., and Morkert.)

Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,080,732; May 18.

Morris, Roger S., and J. H. Foulger, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Product for stimulating blood cell formation and making it. 2,080,430; May 18.

Morrison Brothers Company. (See Glab, William N., assignor.)

Morrison, Willard L., Chicago, Ill. Air deflector. 2,080,431; May 18.
Morrison, Willard L., Chicago, Ill. Draft deflecting device. 2,080,432; May 18.
Morrison, Willard L., Lake Forest, Ill. Automobile. 2,080,433; May 18.
Morse, Clark T., assignor to American Blower Corporation, Detroit, Mich. Humidifying apparatus. 2,081,013; May 18.
Morse, Robert G. (See Darlington, Philip J., assignor.)
Moses, Leslie W., and J. F. Duerr, assignors to M. S. Levy & Sons, Inc., Baltimore, Md. Hat. 2,080,870; May 18.
Motor Wheel Corporation. (See Nelson, Emil A., assignor.)
Mudon, Thomas J., assignor to Circo Products Corporation, Chicago, Ill. Circuit controlling device. 2,081,014; May 18.
Mueller, Oskar. (See Neubert, M. P., and Mueller.)
Mulder, Johannes G. W., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Gas-filled discharge tube. 2,080,628; May 18.
Mull, Arthur B., Appleton, assignor to Marathon Paper Mills Company, Rothschild, Wis. Removable display unit. 2,080,733; May 18.
Mull, Arthur B., Appleton, assignor to Marathon Paper Mills Company, Rothschild, Wis. Removable adhesive unit. 2,080,734; May 18.
Mull, Arthur B., Appleton, assignor to Marathon Paper Mills Company, Rothschild, Wis. Suspending unit. 2,081,095; May 18.
Mullen, Andrew V., Reading, and J. C. Smith, Cincinnati, Ohio. Automatic change-over. 2,081,015; May 18.
Münz, Ferdinand, Frankfort-on-the-Main, and K. Keller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Treatment of dyeings prepared on cellulose materials by means of substantive dyestuffs. 2,080,543; May 18.
Murray, Howard J., New York, N. Y., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Cam actuated clutch ring synchronizer. 2,081,061; May 18.
Murray-Ohio Manufacturing Co., The. (See Kraeft, Herman L., assignor.)
Myatt, Marie L., executrix. (See Middleton, P., and Myatt.)
Myatt, Vivian G. (See Middleton, P., and Myatt.)
Myracle, Clarence C., Orange, Calif. Liquid sampler. 2,080,629; May 18.
N. V. Ijzerhandel I. M. de Vries. (See de Vries, Abraham, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Mulder, Johannes G. W., assignor.)
Naamlooze Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Lande. (See Reinders, Willem, assignor.)
Nagatsuka, Masanori. (See Takahashi, H., and Nagatsuka.)
Nathanson, George B., Brookline, Mass. Display package for jewelry. 2,080,630; May 18.
Nathansohn, John, Buffalo, N. Y., assignor to L. L. Gilbert, Michigan City, Ind. Insole for shoes. 2,080,499; May 18.
National Aniline and Chemical Company. (See Coons, Kenneth W., assignor.)
National Blank Book Company. (See Shade, Frank S., assignor.)
National Cash Register Co., The. (See Breitling, Ernst, assignor.)
National Cash Register Company, The. (See Robertson, William H., assignor.)
National Cash Register Company, The. (See Vogelgesang, K., and Wagner, assignors.)
National Radiator Corporation. (See Hunter, L. N., and Hall, assignors.)
Naugler, Walter E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Starting and stopping mechanism. 2,080,544; May 18.
Nelson, Emil A., Lansing, Mich., assignor to Motor Wheel Corporation. Making brake drum and drum seal. 2,080,895; May 18.
Nelson, Oscar S., Chicago, Ill. Staple. 2,081,062; May 18.
Nelson, Otto F., La Crosse, Wis., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,080,853; May 18.
Nelson, Thomas E., Pontiac, Mich. Oil seal. 2,080,669; May 18.
Nelson, Thomas E., Pontiac, Mich. Oil seal. 2,080,670; May 18.
Neubert, Max P., Teaneck, N. J., and O. Mueller, New York, N. Y.; said Mueller assignor to said Neubert. Implement bar for embroidering machines. 2,080,735; May 18.
Newman, Donald F., Lynn, assignor to Danvers Shoe Company, Newburyport, Mass. Shoemaking. 2,080,501; May 18.
Newman, I., & Sons, Inc. (See Kispert, Joseph J., assignor.)
New York Central Railroad Company, The. (See Dreyfuss, Henry, assignor.)
Nibbs, Ernest, New London, assignor to Electric Boat Company, Groton, Conn. Flexible coupling. 2,081,016; May 18.
Nicholson, William I., Jr., Tulsa, Okla. Bookkeeping machine. 2,080,871; May 18.
Nixon, Jeddy D., and C. L. Ferrell, Houston, Tex., assignors, by mesne assignments, of fifty percent to said Nixon and fifty percent to Wilson Supply Company. Packer for wells. 2,080,736; May 18.
Norge Corporation. (See Buchanan, John C., assignor.)
Norris, George H., assignor to Hydraulic Supply Manufacturing Company, Seattle, Wash. Hydraulic nozzle. 2,080,500; May 18.
Norris, George W. (See Yost, L., and Norris.)
Norton Company. (See Wood, Wallace H., assignor.)
Norwood, Donald W., Pasadena, Calif. Illumination reflector for use in photography. 2,080,434; May 18.
Nüssleln, Josef, K. Daimler, and C. Platz, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat-dyestuff preparations. 2,081,017; May 18.
Nutt, Donald B., El Segundo, and J. H. Easthagen, Los Angeles, assignors to Standard Oil Company of California, San Francisco, Calif. Treating petroleum distillates with alkaline solutions and apparatus therefor. 2,080,737; May 18.
O'Connor, Curtis, Alton, and E. Lee, East St. Louis, Ill. Stroboscopic sign. 2,080,985; May 18.
Oehrle, Franklin W., Philadelphia, Pa. Snipping machine. 2,080,831; May 18.
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Wheel and axle assembly. 2,080,738; May 18.
Oilgear Company, The. (See Douglas, James K., assignor.)
Okonite-Callender Cable Company, The. (See Meyer, F. C., and Moffitt, assignors.)
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,080,631; May 18.
O'Leary, Thomas A., Pittsburgh, Pa. Hand grenade. 2,080,896; May 18.
Olivares, Domingo, Agua Dulce, Tex. Planting device. 2,080,897; May 18.
Oliver, Christopher S., Coventry, assignor to Armstrong Siddeley Motors Limited, Park Side, Coventry, England. Thrust bearing. 2,081,063; May 18.
Olson, Theodore L., Providence, assignor of forty percent to C. E. Johnson, Cranston, R. I. Assembly of shingles. 2,081,018; May 18.
Oltz, Harry M., Miami, Fla. Freezing and dispensing machine. 2,080,971; May 18.
Osgood, George H., and R. G. Peterson, Tacoma, Wash. Glue. 2,080,832; May 18.
Otis Elevator Company. (See Fiedler, George E., assignor.)
O'Toole, William A., McKeesport, Pa. Wedge adjusting mechanism for locomotive drive boxes. 2,080,833; May 18.
Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Temperature control device. 2,080,950; May 18.
Overbury, Frederick C., Hillsdale, N. J. Covering for buildings. 2,080,671; May 18.
Pacific Can Company. (See Lathrap, Lloyd J., assignor.)
Packard Motor Car Company. (See Paton, Clyde R., assignor.)
Palmer, Harold S. (See MacNeill, W. J., and Palmer.)
Palmer, Howard B. (See Smith, B. F., and Palmer.)
Papp, Andrew E., assignor to G & W Electric Specialty Co., Chicago, Ill. Oil fuse cut-out. 2,080,739; May 18.
Paterson, William, London, England. Method of and apparatus for adding reagents to liquids. 2,080,872; May 18.
Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,080,435; May 18.
Patterson, Herbert F., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Braking device. 2,080,740; May 18.
Pearse, Benjamin H., San Antonio, Tex. Reversible cuff. 2,080,873; May 18.
Pecker, Joseph S., Philadelphia, Pa., assignor to American Centrifugal Corporation, New York, N. Y. Electrical control for centrifugal separating machines. 2,080,874; May 18.
Pedatella, Frank, New Kensington, Pa. Protective system. 2,080,502; May 18.
Penn Electric Switch Co. (See Persons, Lawrence M., assignor.)
Penn Electric Switch Company. (See Shaw, Burton E., assignor.)
Penning, Frans M., and M. J. Jansen, Eindhoven, Netherlands, assignors, by mesne assignments, to General Electric Company. Light sensitive device. 2,080,926; May 18.
Pennsylvania Crusher Company. (See Battey, William A., assignor.)
Perfecto Gear Differential Co. (See Starr, Charles E., assignor.)
Perrich, Andrew, Hayward, Calif. Poultry feeding trough. 2,080,672; May 18.
Perry, William R., assignor to Reeves Pulley Company, Columbus, Ind. Photoelectric register control. 2,080,575; May 18.
Perser Corporation, The. (See Draper, Ernest E., assignor.)

Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Heat motor. 2,080,576; May 18.
Petersen, Arthur E., Westfield, N. J., assignor to Celluloid Corporation. Molding thermoplastic materials. 2,080,783; May 18.
Petersen, Henry C., Hillside, assignor to Lowres Optical Manufacturing Co., Newark, N. J. Ophthalmic mounting. 2,080,503; May 18.
Peterson, Albin K., Glendale, Calif. Motion picture camera. 2,080,782; May 18.
Peterson, Ernest G., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resin and method of producing. 2,080,436; May 18.
Peterson, Russell G. (See Osgood, G. H., and Peterson.)
Peterson, Walter R., Park Ridge, Ill., assignor to International Harvester Company. Knife weeder. 2,080,741; May 18.
Petskeyes, Charles H., Davenport, assignor to Micro-Westco, Inc., Bettendorf, Iowa. Wrapper sealing device. 2,080,834; May 18.
Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Propeller blade control. 2,080,742; May 18.
Pfeiffer, Paul, Altona, Germany. Pile driver. 2,080,951; May 18.
Philco Radio & Television Corporation. (See Konkle, Philip J., assignor.)
Phillips, Charlie A., Ness City, Kans. Tire condition indicator. 2,081,064; May 18.
Phillips, Harold P., Maplewood, Mo. Ventilated piston ring. 2,080,898; May 18.
Pierce, Oscar H., assignor to Monarch Marking System Limited, Toronto, Ontario, Canada. Label roll container. 2,080,986; May 18.
Pillsbury Flour Mills Company. (See Anderson, Edwin F., assignor.)
Pioneer Instrument Company. (See Irvin, George E., assignor.)
Pirani, Marcello, Berlin-Wilmersdorf, and A. Fehse, Berlin, Germany, assignors to General Electric Company. Method and apparatus for molding glass tubing. 2,080,899; May 18.
Pittsburgh Coal Carbonization Company. (See Lesher, Carl E., assignor.)
Pittsburgh Equitable Meter Company. (See Seibert, N. J., and Brooks, assignors.)
Pittsburgh Plate Glass Company. (See Amber, John, assignor.)
Pittsburgh Plate Glass Company. (See Lynn, G., and Allen, assignors.)
Pittsburgh Steel Company. (See Braley, Silas A., assignor.)
Pitzer, Mose B., Monohans, Tex. Treating wells. 2,080,875; May 18.
Place, Bion C., Detroit, Mich. Adapting sheet metal elements for screws. 2,081,065; May 18.
Platz, Carl. (See Nüsslein, J., Daimler, and Platz.)
Plymouth Cordage Company. (See Reed, Stephen A., assignor.)
Pneumatic Scale Corporation. (See Howard, Stanley R., assignor.)
Pohle, Walter B., East Lynn, Mass. Vehicle brake control. 2,080,632; May 18.
Poley, Murray M. (See Feldman, L. J., and Poley.)
Ponte, Maurice, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Radio frequency transmitter. 2,080,577; May 18.
Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Loom having stationary weft supplies. 2,080,784; May 18.
Power Patents Company. (See Morgan, John D., assignor.)
Powers, W. F., Company, The. (See Storch, Otto P., assignor.)
Pratt, Edward D., Winnipeg, Manitoba, Canada. Combined individual property safeguarding and seating costumer. 2,081,066; May 18.
Precision Metal Workers. (See Grunwald, Albert C., assignor.)
Prentice, G. E., Manufacturing Company. (See Miserez, Constant A., assignor.)
Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Stoker. 2,081,067; May 18.
Priesmeyer, Charles, Park Ridge, assignor to G. A. J. Meyer, Chicago, Ill. Base attachment for pocket seal presses. 2,080,987; May 18.
Pullman-Standard Car Manufacturing Company. (See Blomberg, Martin P., assignor.)
Pye, Harold C., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Electromagnetic relay. 2,081,019; May 18.
Pyridium Corporation, The. (See Tisza, Edmond E., assignor.)
Quest, Francis E. (See Jacobson, W., and Quest.)
Quillin, Ellen S. (See Morales, J., Quillin, and Gutzeit.)
Raber, Samuel G., Youngstown, Ohio, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 2,080,504; May 18.
Rader, Earl D., Mount Kisco, and E. W. Goodwin, New Rochelle, assignors to Dexter Folder Company, New York, N. Y. Folding machine. 2,080,505; May 18.
Radio Corporation of America. (See Shrader, Terry M., assignor.)
Radio Corporation of America. (See Smith, Rogers M., assignor.)
Radio Corporation of America. (See von Ardenne, Manfred, assignor.)
Radio Corporation of America. (See Wolff, Irving, assignor.)
Raffold Process Corporation. (See Rafton, Harold R., assignor.)
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Paper manufacture. 2,080,437; May 18.
Rah, Joseph C., assignor to Delta-Star Electric Company, Chicago, Ill. Split insulating joint for electrical cables. 2,080,743; May 18.
Rathje, Johannes, Duisburg, Germany. Rotary table and drive therefor. 2,080,952; May 18.
Ray, Arthur B., Bayside, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Apparatus for treating gases. 2,080,578; May 18.
Ray, William R., San Francisco, Calif. Internal combustion engine. 2,080,633; May 18.
Reconstruction Finance Corporation. (See Schoen, André, assignor.)
Reconstruction Finance Corporation. (See Taylor, William H., assignor.)
Reed, George H., assignor to Universal Form Clamp Co., Chicago, Ill. Supporting and anchoring means for wire lathing. 2,080,876; May 18.
Reed, George H., assignor to Universal Form Clamp Co., Chicago, Ill. Concrete reenforcing means. 2,080,877; May 18.
Reed, George H., assignor to Universal Form Clamp Co., Chicago, Ill. Concrete reenforcing means. 2,080,878; May 18.
Reed, George H., assignor to Universal Form Clamp Co., Chicago, Ill. Reenforcing means for concrete. 2,080,879; May 18.
Reed, Stephen A., Duxbury, assignor to Plymouth Cordage Company, Plymouth, Mass. Device for reenforcing tire beads and the like. 2,081,096; May 18.
Reeves Pulley Company. (See Perry, William R., assignor.)
Reger, Martin. (See Ihln, A., and Reger.)
Reinders, Willem, Delft, assignor to Naamlooze Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Lande, Deventer, Netherlands. Manufacture of hydrogen peroxide. 2,081,097; May 18.
Remington Rand Inc. (See Jackson, Arthur R., assignor.)
Rensch, Carl F., Berlin-Wilmersdorf, Germany. Instrument for indicating foreign matter in gases. 2,080,953; May 18.
Reynolds, Blythe M., Utica, N. Y. Catalytic oxidation of organic compounds. 2,081,120; May 18.
Reynolds, Frank C., New York, and W. H. Kirchheim, Mount Vernon, assignors to American Radiator Company, New York, N. Y. Air circulating apparatus. 2,081,105; May 18.
Richards, Amyle, P., Clifton, Ky. Translating means for television impulses. 2,080,927; May 18.
Richfield Oil Company of California. (See Craig, Wallace A.)
Rieger, Wray M. (See Weatherby, L. S., and Rieger.)
Rinck, Franklin B., La Grange, and R. C. Kivley, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Process of and apparatus for electroplating articles. 2,080,506; May 18.
Rivera, Antonio, Mexico, D. F., Mexico. Mechanical device to crimp safety caps on bottles and other containers. 2,080,785; May 18.
Robertson, H. H., Company. (See Heppenstall, Thomas A., assignor.)
Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,080,507; May 18.
Robinson, Preston, Williamstown, assignor to Sprague Specialties Company, North Adams, Mass. Electrolytic device. 2,081,068; May 18.
Robles, Jose A., Kansas City, Mo. Receptacle cover. 2,080,786; May 18.
Roche, Michael J., Watertown, Mass. Cleansing device. 2,080,745; May 18.
Rodgers, Aubrey L., New Orleans, La. Dispenser. 2,080,787; May 18.
Roemer, Lowell A., Longview, Wash. Steel puller. 2,080,673; May 18.
Rogers, Clifford R., Oak Park, Ill., assignor to International Harvester Company. Track roller construction. 2,080,744; May 18.
Rogers, Thomas H., and V. Voorhees, Hammond, Ind., assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel products. 2,080,928; May 18.
Rohde, Otto C., assignor to Champion Spark Plug Company, Toledo, Ohio. Mica-insulated spark plug. 2,080,854; May 18.
Rose, James R., Edgeworth, assignor of three-fourths to M. L. Benedum, and J. C. Trees, Pittsburgh, Pa. Treating hydrocarbon fluids. 2,080,929; May 18.
Rose, James R., Edgeworth, assignor of three-fourths to M. L. Benedum, and J. C. Trees, Pittsburgh, Pa. Apparatus for the treatment of hydrocarbon fluids. 2,080,930; May 18.

Rose, James R., Edgeworth, assignor of three-fourths to M. L. Benedum, and J. C. Trees, Pittsburgh, Pa. Process of and apparatus for the treatment of hydrocarbon fluids. 2,080,931 ; May 18.
Rose, James R., Edgeworth, assignor of three-fourths to M. L. Benedum, and J. C. Trees, Pittsburgh, Pa. Apparatus for the treatment of hydrocarbon fluids. 2,080,932 ; May 18.
Rose, James R., Edgeworth, assignor of three-fourths to M. L. Benedum, and J. C. Trees, Pittsburgh, Pa. Treating aliphatic hydrocarbons. 2,080,933 ; May 18.
Rosenberg, David L., et al. (See Fine, David L., assignor.)
Ross, Frederick N., assignor to F. L. McLaughlin Company, Detroit, Mich. Clinch-on nut. 2,080,545 ; May 18.
Ross, Joseph R., New York, N. Y. Apparatus for colonic irrigation. 2,080,788 ; May 18.
Rudoni, Ercole A., Lincoln Park, Mich. Independent wheel suspension. 2,080,540 ; May 18.
Runaldue, Lewis R., Pittsfield, Mass., assignor to General Electric Company. Thermoelectric measuring instrument. 2,081,044 ; May 18.
Russ, Harley W., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Rimming machine for wood heels. 2,080,547 ; May 18.
Ruth, Joseph P., Denver, Colo. Torque transmitter. 2,080,548 ; May 18.
Ryder, John D., Cleveland, Ohio, assignor to Bailey Meter Company. Measuring and controlling apparatus. 2,080,789 ; May 18.
Sackett, Augustus J., Anne Arundel County, Md. Mixing and screening apparatus for fertilizer materials and the like. 2,080,508 ; May 18.
Salmon, Nelson D., Berkeley, Calif. Surveying instrument. 2,080,790 ; May 18.
Salmona, Riccardo, et al. (See Salvoni, Ippolito, assignor.)
Salvoni, Ippolito, assignor of forty-four per cent to R. Salmona, New York, and twelve per cent to E. Q. Jackson, Jackson Heights, N. Y. Bidet. 2,080,438 ; May 18.
Sanders, Harold P., El Paso, Tex. Electrode holder. 2,080,791 ; May 18.
Sanford Investment Company, The. (See Jones, Harry W., assignor.)
San Francisco Sulphur Company. (See Ceccon, John B., assignor.)
Sass, Harold, New York, N. Y. Educational skill game. 2,081,020 ; May 18.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Loose leaf binder. 2,080,674 ; May 18.
Schaeffer, Edward G., Brooklyn, N. Y. Doll. 2,080,439 ; May 18.
Schafroth, Werner, Upper Darby, Pa. Stapling device. 2,080,634 ; May 18.
Schaub, Thomas, Philadelphia, Pa. Piston ring. 2,080,579 ; May 18.
Scheibell, Gordon B., Millburn, N. J. Control system. 2,080,835 ; May 18.
Schelske, Adolph. (See Fiedler, William J., assignor.)
Schenk, Friedrich, Jamaica, N. Y., assignor to E. Leitz, Inc. Polishing machine. 2,080,880 ; May 18.
Schlesinger, Harry. (See Yoerg, Alfred F., assignor.)
Schnetzler, Joseph G., Beacon, N. Y. Window fastener. 2,081,069 ; May 18.
Schoen, André, Hackensack, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Treating silk. 2,080,509 ; May 18.
Schoettle, Edwin J., assignor to Edwin J. Schoettle Co., Philadelphia, Pa. Display box. 2,081,070 ; May 18.
Schoettle, Edwin J., Co. (See Schoettle, Edwin J., assignor.)
Schramek, Walther, Dresden, and C. Schubert, Gronau, assignors to Baumwollspinnerei Gronau, Gronau, Germany. Device for mercerizing cellulose fibers of all kinds. 2,080,635 ; May 18.
Schubert, Carl. (See Schramek, W., and Schubert.)
Schulz, William H., Minneapolis, assignor to Donaldson Company, Inc., St. Paul, Minn. Coupler for connecting air cleaners to carburetors. 2,080,988 ; May 18.
Schur, Milton O., assignor to Brown Company, Berlin, N. H. Production of nitrocellulose. 2,080,934 ; May 18.
Schweizer, Alfred, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Fuel regulator for engines. 2,080,746 ; May 18.
Scofield, Edgar, New York, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island, N. Y. Sealed package and method of sealing. 2,080,747 ; May 18.
Scott, Harry T., Los Angeles, Calif. Carburetor. 2,080,440 ; May 18.
Scovil, Cora L., New York, N. Y., and L. L. Greneker, Mount Kisco, N. Y. Ornamental object and making the same. 2,081,071 ; May 18.
Seaman, Agnes A., administratrix. (See Ames, Elmer U.)
Seehase, Hans, Berlin, Germany. Quickly demountable light motorcycle. 2,080,972 ; May 18.
Seibert, Nelson J., Wilkinsburg, and F. S. Brooks, Edgewood, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Meter valve. 2,081,072 ; May 18.
Sellers, William D., Glen Ellyn, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,080,510 ; May 18.
Service Devices, Incorporated. (See Vissing, Elinn D., assignor.)
Shakespeare Company. (See Shakespeare, William, Jr., assignor.)
Shakespeare, William, Jr., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 2,080,900 ; May 18.
Shaw, Burton E., Adel, assignor to Penn Electric Switch Company, Des Moines, Iowa. Burner control circuit protection system. 2,080,580 ; May 18.
Sheesley, Charles L. (See McCombs, W. L., and Sheesley.)
Shipley, Sylvanus C., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure or liquid seal. 2,080,836 ; May 18.
Shoop, Charles T., College Point, N. Y. Collapsible structure. 2,080,441 ; May 18.
Shrader, Terry M., West Summit, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Tube base. 2,080,837 ; May 18.
Shuger, Leroy W., assignor to Baltimore Paint & Color Works, Inc., Baltimore, Md. Polish. 2,081,073 ; May 18.
Siemens & Halske, Aktiengesellschaft. (See Keinath, Georg, assignor.)
Simmons, Bernard L., Mount Ranier, Md. Scale section liner. 2,080,792 ; May 18.
Sinclair Refining Company. (See Isom, Edward W., assignor.)
Sinclair Refining Company. (See Vobach, Arnold C., assignor.)
Sinitzin-White, Nicholas, Bridgeport, assignor of one-third to J. L. R. Glover, Fairfield, and one-third to N. N. Solovioff, Milford, Conn. Calculating device. 2,080,587 ; May 18.
Sipp-Eastwood Corporation. (See Klein, Frederick, assignor.)
Sjöstrand, Hjalmar E., Ravala, Grangesberg, Sweden. Device for locating the position of a movable body. 2,080,511 ; May 18.
Skat Company, The. (See Adams, Frank S., assignor.)
Slack, Frederic W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle frame. 2,080,748 ; May 18.
Slyk, Stanley S., Chicago, Ill. Piston ring. 2,080,935 ; May 18.
Smith, Bernard F., and H. B. Palmer, Appleton, Wis. Pipe coupling. 2,081,021 ; May 18.
Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Beer dispensing apparatus. 2,081,022 ; May 18.
Smith, Hinsdale, Jr. (See Hinsdale, Smith, assignor.)
Smith, Hinsdale, Springfield, Mass., assignor to H. Smith, Jr., New York, N. Y., Door for automobiles and the like. 2,080,936 ; May 18.
Smith, John C. (See Mullen, A. V., and Smith.)
Smith-Johnson Corporation. (See Smith, N. V., and Stoll, assignors.)
Smith, J. Hugo, et al. (See Bartell, Floyd E., assignor.)
Smith, Leslie L., Oklahoma City, Okla. Oil well drilling swivel. 2,080,512 ; May 18.
Smith, Neil V., and C. W. Stoll, assignors to Smith-Johnson Corporation, Los Angeles, Calif. Power grease gun. 2,080,513 ; May 18.
Smith, Rogers M., Merchantville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Volume control system. 2,080,581 ; May 18.
Smith, Sydney, Chobham, England. Vehicle. 2,080,989 ; May 18.
Smith Welding Equipment Corporation. (See Smith, Elmer H., assignor.)
Smithe, Ferdinand L., assignor to F. L. Smithe Machine Co. Inc., New York, N. Y. Envelope machine. 2,080,442 ; May 18.
Smithe, F. L., Machine Co. (See Smithe, Ferdinand L., assignor.)
Society of Chemical Industry in Basle. (See Froehlich, Jaroslav, assignor.)
Socony-Vacuum Oil Company. (See Hoenighausen, John, assignor.)
Solovioff, Nicholas N., et al. (See Sinitzin-White, Nicholas, assignor.)
Soper, James F., Balcutha, New Zealand. Independent front wheel springing system for motor driven vehicles. 2,081,045 ; May 18.
Speas Mfg. Co. (See Speas, V. E., and Mnookin, assignors.)
Speas, Victor E., and N. M. Mnookin, assignors to Speas Mfg. Co., Kansas City, Mo. Removal of arsenical impurities. 2,080,582 ; May 18.
Sperberg, Edward H., Chicago, Ill. Intermittent movement. 2,080,443 ; May 18.
Sperry Gyroscope Company. (See Bird, John L., assignor.)
Speth, Lloyd G., Claridon, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Rotary tool. 2,080,973 ; May 18.
Sponseller, Leo H., Goshen, Ind. Traction device. 2,080,675 ; May 18.
Sprague Specialties Company. (See Robinson, Preston, assignor.)

Sproul, Donald F., Chicago, Ill., assignor to Cardwell-Westinghouse Company. Bolster spring unit. 2,080,793 ; May 18.
Squassoni, Tullio, Norwich, N. Y. Holder for fish hooks. 2,080,794 ; May 18.
Stahl, Frank E., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Fastening means. 2,080,636 ; May 18.
Standard Oil Company. (See Wilson, J. R., and Voorhees, assignors.)
Standard Stoker Company (1922), The. (See Lower, Nathan M., assignor.)
Standard Oil Company of California. (See Nutt, D. B., and Easthagen, assignors.)
Standard Stoker Company, The. (See Anderson, Howard P., assignor.)
Standard Stoker Company, The. (See Anderson, H. P., and Martin, assignors.)
Standard Stoker Company, The. (See Hansen, Christ T., assignor.)
Stareck, Jesse E., Waterbury, Conn., assignor to Kansas City Testing Laboratory, Kansas City, Mo. Decorating metals. 2,081,121 ; May 18.
Starr, Charles E., deceased, by E. M. Starr, administratrix, Inglewood, Calif., assignor to Perfecto Gear Differential Co., Bellingham, Wash. Transmission gearing. 2,080,937 ; May 18.
Starr, Eva M., administratrix. (See Starr, Charles E.)
States Company, The. (See Blakeslee, Henry J., assignor.)
Statham, Noel, Irvington, and T. G. Leek, Covington, Va., assignors, by mesne assignments, to West Virginia Pulp & Paper Company, New York, N. Y. Producing light precipitated chalk. 2,081,112 ; May 18.
Staver, Edward F. (See Hafecost, F., and Staver.)
Steel, Joseph I., Portland, Oreg., assignor to The Moore Dry Kiln Company of Oregon. Dry kiln. 2,081,098 ; May 18.
Stein, Jacob, New York, and E. Freedman, Brooklyn, N. Y. Mouthpiece. 2,070,676 ; May 18.
Stetson, Bradford R., assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Packaging machine. 2,081,122 ; May 18.
Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Temperature regulating system. 2,080,444 ; May 18.
Stewart, Spencer W., White Plains, N. Y., and C. V. Davis, Roselle, N. J., assignors to Ambursen Construction Company, Inc., New York, N. Y. Dam. 2,080,637 ; May 18.
Stimson, Frank G., Belleville, assignor to Bond Electric Corporation, Jersey City, N. J. Flashlight. 2,080,583 ; May 18.
Stock, Anthony T., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Refrigerating apparatus. 2,080,749 ; May 18.
Stoll, Arthur, and E. Burckhardt, assignors to Chemical Works formerly Sandoz, Basel, Switzerland. Manufacture, separation, and preparation of pure crystallized ergot-alkaloids. 2,080,954 ; May 18.
Stoll, Carl W. (See Smith, N. V., and Stoll.)
Stone, David C., Junction City, Kans. Baby jumper. 2,080,795 ; May 18.
Stone, Earll R., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Stoker drive. 2,080,838 ; May 18.
Stone, Earll R., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Stoker drive. 2,080,839 ; May 18.
Stone, Edwin W., Longmeadow, Mass, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Pantograph. 2,080,974 ; May 18.
Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Permutation lock. 2,081,123 ; May 18.
Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Chuck. 2,080,840 ; May 18.
Storch, Otto P., Ozone Park, assignor to The W. F. Powers Company, New York, N. Y. Collapsible display device. 2,080,938 ; May 18.
Story, Ernst J., assignor of one-half to J. M. Delaney, Cincinnati, Ohio. Wood heel machine. 2,080,638 ; May 18.
Stougaard, Holger. (See Bowman, F. C., and Stougaard.)
Stout, Alice, executrix. (See Stout, Edward, assignor.)
Stout, Edward, deceased, A. Stout, executrix, assignor to Alice Stout, Burlington, Iowa. Recording mechanism for trains. 2,080,855 ; May 18.
Straat, Harold W., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Refractometer. 2,080,841 ; May 18.
Strauss, Siegmund, Vienna, Austria. Connection used in proceedings for measuring very high resistances. 2,081,074 ; May 18.
Streich, Frank, assignor of one-third to C. H. Canby, Jr., and one-third to H. H. Thompson, Chicago, Ill. Dough twisting machine. 2,080,584 ; May 18.
Sulzer Freres Societe Anonyme. (See Walti, Heinrich, assignor.)
Svenska Aktiebolaget Broms regulator. (See Browall, Bert H., assignor.)
Tait, Francis, Jr., Philadelphia, assignor to Howard Hosiery Company, Sinking Spring, Pa. Topper stand protecting device. 2,080,445 ; May 18.
Takahashi, Hideaki, and M. Nagatsuka, Tokyo, Japan. Apparatus for showing pictures. 2,080,901 ; May 18.
Talmann, Asbjorn, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Conducting system. 2,080,514 ; May 18.
Tautz, Herbert E., Milwaukee, Wis. Drill grinding apparatus. 2,080,515 ; May 18.
Taylor, Ernest W., assignor to Industrial Brownhoist Corporation, Bay City, Mich. Car dumper. 2,080,585 ; May 18.
Taylor, John L., Milwaukee, Wis. Balancing machine. 2,080,939 ; May 18.
Taylor, William H., Muskego, Wis., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Ice making machine. 2,080,639 ; May 18.
Teach, Lewis, Brooklyn, N. Y. Indoor garden box and aquarium. 2,081,023 ; May 18.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)
Teletypesetter Corporation. (See Madsen, Berthel F., assignor.)
Teletypesetter Corporation. (See Larson, E. S., and Levin, assignors.)
Templeman, James A., assignor to Grade-O-Lite, Inc., Seattle, Wash. Egg grader. 2,080,446 ; May 18.
Templin, Richard L., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Preparing metal stock. 2,080,640 ; May 18.
Templin, Richard L., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Producing locomotive connecting rods. 2,080,641 ; May 18.
Tennessee Valley Authority. (See Gould, Robert E., assignor.)
Theurer, Otto, Brooklyn, assignor to E. I. Friedman, New York, and H. W. Brooklyn, N. Y. Carriage stroke mechanism for slicing machines. 2,080,516 ; May 18.
Thomas, Charles E., Minooka, assignor of one-half to R. C. Gustafson, Chicago, Ill. Dispensing apparatus. 2,080,856 ; May 18.
Thompson, H. Hoyt, et al. (See Streich, Frank, assignor.)
Thompson, Louis H., Statesboro, Ga. Duplicating machine. 2,080,447 ; May 18.
Thompson, Ralph E., Brookline, Mass. Making bearings. 2,080,750 ; May 18.
Thompson, William L., Miami, Fla. Method and mechanism for producing full fashioned knit stockings. 2,080,796 ; May 18.
Thoms, Rudolph H. (See Begg, R. S., and Thoms.)
Thurston, Arthur L., Wantagh, assignor to Airplane and Marine Direction Finder Corporation, Lindenhurst, N. Y. Direction finder. 2,080,448 ; May 18.
Thurston, Ernest B., assignor to The Haughton Elevator & Machine Company, Toledo, Ohio. Slow speed regulation of an electric motor. 2,080,842 ; May 18.
Timpé, Atwood M., Los Angeles, Calif. Rubber strung racket. 2,080,642 ; May 18.
Tisza, Edmond T., Yonkers, assignor to The Pyridium Corporation, Nepera Park, N. Y. Medicinal preparations including aminopyridine salts and preparing and utilizing the same. 2,080,517 ; May 18.
Tobacco By-Products and Chemical Corporation. (See Arnold, Robert B., assignor.)
Tracy, Madison, H., Detroit, Mich. Automobile body glass cutting pattern. 2,080,549 ; May 18.
Traudt, William F., Buffalo, N. Y. Fluid mixing apparatus. 2,080,940 ; May 18.
Trees, Joseph C. et al. (See Rose, James R., assignor.)
Tretolite Company. (See De Groote, M., and Keiser, assignors.)
Tretolite Company. (See De Groote, M., and Wirtel, assignors.)
Turner, Paul S., Wichita, Kans. Detachable and reversible runner for the wheels of a child's vehicle. 2,081,024 ; May 18.
Uber, Harold R., Lakewood, assignor to The Cleveland Welding Company, Cleveland, Ohio. Bicycle. 2,080,677 ; May 18.
Underwood, Carl M., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for coating strands. 2,080,518 ; May 18.
Union Carbide and Carbon Corporation. (See Ray, Arthur B., assignor.)
Union Carbide and Carbon Corporation. (See Wilson, A. L., and Boese, assignors.)
Union Oil Company of California. (See Bray, Ulric B., assignor.)
Union Oil Company of California. (See Bray, U. B., and Beckwith, assignors.)
Union Oil Company of California. (See Carr, Donald E., assignor.)
Union Switch & Signal Company, The. (See Allen, E. M., and Martin, assignors.)
Union Switch & Signal Company, The. (See Caille, Georges, assignor.)
Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)

Union Switch & Signal Company, The. (See Raber, Samuel G., assignor.)
United-Carr Fastener Corporation. (See Cox, Joseph F., assignor.)
United Concrete Pipe Corporation. (See Huber, John, assignor.)
United Glass Bottle Manufacturers Limited, The. (See Dorman, Edgar P., assignor.)
United Shoe Machinery Corporation. (See Bunker, Darius W., assignor.)
United Shoe Machinery Corporation. (See Gordon, George N., assignor.)
United Shoe Machinery Corporation. (See Naugler, Walter E., assignor.)
United Shoe Machinery Corporation. (See Russ, Harley W., assignor.)
United States Envelope Company. (See Heywood, Vincent E., assignor.)
United States Rubber Company. (See Cooper, Harry E., assignor.)
Universal Battery Company. (See Watkins, Ray O., assignor.)
Universal Form Clamp Co. (See Reed, George H., assignor.)
Universal Oil Products Company. (See Day, Roland B., assignor.)
Universal Oil Products Company. (See Mekler, Lev A., assignor.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Upham, Gilbert R., Churchville, assignor to The De Long Hook and Eye Company. Fastener tape and making the same. 2,080,751; May 18.
Uyterhoeven, Willem, C. Verburg, and M. van Dam, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge metal vapor lamp device. 2,080,902; May 18.
Van Dam, Martinus. (See Uyterhoeven, W., Verburg, and van Dam.)
Van Horn, Junius B., Alhambra, and E. M. Wagner, South Gate, assignors, by mesne assignments, to Byron Jackson Co., Huntington Park, Calif. Motor construction. 2,080,678; May 18.
Varley, Richard, St. George, Staten Island, N. Y., assignor to Inter-Outer Telephone Corporation, Dover, Del. Inter-outer telephone system and equipment. 2,080,586; May 18.
Varusky, John J. (See Ingraham, C. C., and Varusky.)
Verburg, Cornelis. (See Uyterhoeven, W., Verburg, and van Dam.)
Vicarlo, Carlo, New York, assignor to Fleetwings, Incorporated, Garden City, N. Y. Energy control. 2,081,124; May 18.
Vissing, Ellinn D., Idaho Falls, Idaho, assignor, by mesne assignments, to Service Devices, Incorporated, New York, N. Y. Luminous tube sign. 2,080,679; May 18.
Vobach, Arnold C., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil composition. 2,081,075; May 18.
Vogelgesang, Kurt, and E. Wagner, Berlin, Germany, assignors to The National Cash Register Company, Dayton, Ohio. Cash register. 2,080,519; May 18.
Volpin, Alexander S., Houston, Tex. Automatic defroster and moisture control for mechanical refrigerators. 2,081,128; May 18.
Vomag-Betriebs-A. G. (See Walther, Fritz, assignor.)
Von Ardenne, Manfred, Berlin, Germany, assignor, by mesne assignments, to Radio Corporation of America. Cathode ray tube. 2,080,449; May 18.
Voorhees, Vanderveer. (See Rogers, T. H., and Voorhees.)
Voorhees, Vanderveer. (See Wilson, J. R., and Voorhees.)
Wachsman, Michael, Brooklyn, N. Y. Tension lever for electric stop motions. 2,080,903; May 18.
Wackman, Louis B., St. Louis, Mo., assignor to American Flange & Manufacturing Co., Inc., Chicago, Ill. Plug sealing means for metallic containers. 2,080,881; May 18.
Wagner, Edmond M. (See Van Horn, J. B., and Wagner.)
Wagner, Erich. (See Vogelgesang, K., and Wagner.)
Wainwright, Thomas, Chicago, Ill. Loose leaf ring book. 2,080,450; May 18.
Walker, Donald E., and E. E. Wilbur, Buffalo, N. Y. Disk brake. 2,081,076; May 18.
Wall, George, Manchester, England, assignor to General Electric Company. Alternating electric current induction meter. 2,081,046; May 18.
Wälti, Heinrich, Winterthur-Wulflingen, assignor to Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Reversing gear for internal combustion engines. 2,080,882; May 18.
Waltman, Charles E., Los Angeles, Calif. Hair curler device. 2,080,550; May 18.
Walther, Fritz, assignor to Vomag-Betriebs-A. G., Plauen in Vogtland, Germany. Multiple spindle boring machine. 2,080,643; May 18.
Walther, Lawrence R., assignor to Witchell-Sheill Co., Chicago, Ill. Athletic shoe. 2,080,680; May 18.
Wanner, Edmond, Geneva, Switzerland. Tilting door. 2,080,904; May 18.
Wantz, Julius B., Oak Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. Keeping a tank filled with oil. 2,081,077; May 18.
Ward, Kyle, Jr., assignor to Hercules Powder Company, Wilmington, Del. Esters of terpene and abietyl compounds and producing same. 2,080,752; May 18.
Warner, Arthur L. (See Gillette, W. R., and Warner.)
Watkins, Ray O., assignor to Universal Battery Company, Chicago, Ill. Propeller governor. 2,080,955; May 18.
Watson, Alice M., Milwaukee, Wis. Baking and cooking utensil. 2,081,078; May 18.
Watt, William W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,081,025; May 18.
Weatherby, Le Roy S., Los Angeles, Calif., and W. M. Rieger, Kirksville, Mo. Making inulin. 2,080,843; May 18.
Webber, Charles. (See Logan, L., and Webber.)
Weekley, William T., Atlanta, Ga. Garment hanger for automobiles. 2,080,990; May 18.
Wehn, Fred W., Pomona, Calif. Basin dam. 2,080,956; May 18.
Weichmann, Hans K., Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Sensitizing silver halide emulsion. 2,080,551; May 18.
Weidman, Ralph E., Fort Lauderdale, Fla. Sun bath cabinet. 2,080,644; May 18.
Weimar, Leslie L. (See Cummings, C. J., and Weimar.)
Welk, Nelson S., Athens, Ohio, and F. Hocker, Harrisburg, Pa., assignors to The McBee Company, Athens, Ohio. Line finder for loose leaf binders. 2,080,975; May 18.
Westbrook, Leon R., Cleveland Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Zinc plating. 2,080,520; May 18.
Westerman, Hyman, New York, N. Y. Hosiery. 2,081,026; May 18.
Western Electric Company. (See Bouget, Yves A., assignor.)
Western Electric Company. (See Kelly, John C., assignor.)
Western Electric Company. (See Larsen, Einer W., assignor.)
Western Electric Company. (See Martindell, Frank, assignor.)
Western Electric Company. (See Rinck, F. B., and Kivley, assignors.)
Western Electric Company. (See Talmann, Asbjorn, assignor.)
Western Electric Company. (See Underwood, Carl M., assignor.)
Western Union Telegraph Company, The. (See Eller, Keith B., assignor.)
Westfield Manufacturing Company, The. (See Clark, George W., assignor.)
Westfield Manufacturing Company, The. (See Duffy, Thomas I., assignor.)
Westinghouse Electric & Manufacturing Company. (See Anderson, W. B., and Eaker, assignors.)
Westinghouse Electric & Manufacturing Company. (See Johnson, Frederick B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kesselring, F., Koppelmann, and Kaufmann, assignors.)
Westinghouse Electric & Manufacturing Company. (See Stone, Earll R., assignor.)
West Virginia Pulp & Paper Company. (See Statham, N., and Leek, assignors.)
Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Hand luggage. 2,080,645; May 18.
Wheary Trunk Company. (See Wheary, George H., assignor.)
Wheeler, Harold A., Baltimore, Md., assignor to Hazeltine Corporation, Jersey City, N. J. Visual resonance indicator. 2,080,646; May 18.
Wheeler, Lucius B., Boston, Mass. Tag reenforcement and seal. 2,080,754; May 18.
Whitall Tatum Company. (See Mazoyer, L. J., and Jones, assignors.)
Whitchurch, Ellwood F. (See Ingalls, Harry P., assignor.)
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,080,521; May 18.
White, William B., Nashville, Tenn. Stamp tax device. 2,080,753; May 18.
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Yarns and fabrics of cellulose derivatives and making same. 2,080,755; May 18.
Whittaker, Harry L., Ville La Salle, and W. H. Hurford, Montebello, Quebec, Canada. Telephone mouthpiece attachment. 2,080,552; May 18.
Whittington, Ralph S., Oak Park, Ill., assignor to Bendix Products Corporation, South Bend, Ind. Crankcase ventilator for internal combustion engines. 2,080,588; May 18.
Wick, Georg, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separating after-chlorinated polyvinylchloride from its solutions. 2,080,589; May 18.
Wicks, John, Oak Park, Ill., assignor to Automatic Electric Company, Limited, Liverpool, England. Telephone system. 2,081,027; May 18.
Wiegand, Edwin L., Pittsburgh, Pa. Insulating electrical resistor heating elements. 2,080,647; May 18.

Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Air conditioning apparatus. 2,080,797; May 18.
Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Air conditioning apparatus. 2,080,798; May 18.
Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Thermally responsive device. 2,080,799; May 18.
Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Heating apparatus. 2,080,800; May 18.
Wiegand, Edwin L., Company. (See Wiegand, Edwin L., assignor.)
Wiegand, Kurt. (See Bünger, A., Larché, and Wiegand.)
Wiener, Harry, et al. (See Theurer, Otto, assignor.)
Wilbur, Earle E. (See Walker, D. E., and Wilbur.)
Wilcox, William H., assignor of one-third to J. G. H. Hill, Stockton, Calif. Sheep shears. 2,080,451; May 18.
Wilder, G. E., et al. (See Bartell, Floyd E., assignor.)
Wilford, Edward B., and E. Daland, Philadelphia, Pa. Gyro rotor. 2,080,522; May 18.
Williams, Ray, and C. F. Kramer, Jacksonville, Fla. Artificial tree. 2,080,523; May 18.
Wilson, Alexander L., and A. B. Boese, Jr., Pittsburgh, Pa., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Acid pickling inhibitor. 2,080,553; May 18.
Wilson Engineering Corporation. (See McCoy, Verl E., assignor.)
Wilson, Jesse R., Chicago, Ill., and Vanderveer Voorhees, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Motor fuel. 2,080,681; May 18.
Wilson Supply Company et al. (See Nixon, J. D., and Ferrell, assignors.)
Winther, Anthony, Kenosha, Wis. Clutch. 2,081,028; May 18.
Wirtel, Arthur F. (See De Groote, M., and Wirtel.)
Witchell-Sheill Co. (See Walther, Lawrence R., assignor.)
Withall, Albert P., assignor to W. H. Miner, Inc., Chicago, Ill. Handwheel for brakes. 2,080,590; May 18.
Wittig, Carl H. O., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Diagnostic instrument. 2,080,844; May 18.
Wolff, Irving, Merchantville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Volume control system. 2,080,554; May 18.
Wood, Albert B., New Orleans, La. Production of lime from oyster shells. 2,080,883; May 18.
Wood, Wallace H., assignor to Norton Company, Worcester, Mass. Hydraulically operated surface grinding machine. 2,080,976; May 18.
Woodard, George H. (See Kirgan, J., and Woodard.)
Woodruff, Henry S. (See Kilb, F. C., and Woodruff.)
Woodruff, Henry S., Larchmont, and P. T. Engelskirchen, Jr., Mount Vernon, assignors to American Radiator Company, New York, N. Y. Air circulating apparatus. 2,081,103; May 18.
Worden, Enoch W., Flint, Mich. Drill press. 2,081,079; May 18.
Wose, Beatrice E. (See Cook, F. K., and Wose.)
Wren, J. H., et al. (See Dewan, L., and Bartho, assignors.)
Wren, J. R., et al. (See Dewan, L., and Bartho, assignors.)
Wright, Ernest B., Jr. (See Jacob, G., Jr., and Wright.)
Wright, Margaret M., Lewiston, N. Y. Notebook holder. 2,080,591; May 18.
Wyman, Ellsworth. (See Feldmeier, H., and Wyman.)
Yeadon, Robert. (See Hale, F. C., and Yeadon.)
Yeadon, Robert. (See Jabouley, J., and Yeadon.)
Yoerg, Alfred F., assignor of one-half to H. Schlesinger, Des Moines, Iowa. Electric oscillating laundry iron. 2,080,682; May 18.
Yost, Lloyd, Milmette, Ill., and G. W. Norris, San Francisco, Calif., assignors to Fairbanks, Morse & Co., Chicago, Ill. Pump construction. 2,080,683; May 18.
Yost, Winfield H., Montreal, Quebec, Canada. Dump car. 2,080,845; May 18.
Young, Arthur, Brooklyn, N. Y. Liquid carbonator and dispenser. 2,081,029; May 18.
Young, Hugh E., Chicago, Ill. Warning sign. 2,080,991; May 18.
Young, Hugh E., Chicago, Ill. Induction disk motor. 2,080,992; May 18.
Zalkind, Albert M., Bronx, N. Y. Lock. 2,080,684; May 18.
Zaninovich, George, Dinuba, Calif. Animal trap. 2,080,993; May 18.
Zeigler, Maxwell T., assignor, by mesne assignments, to Zeigler Packaged Ice Machinery Corporation, Huntington Park, Calif. Ice cutting machine. 2,080,452; May 18.
Zeigler Packaged Ice Machinery Corporation. (See Zeigler, Maxwell T., assignor.)
Zickler, Edward H., Zillah, Wash. Dry cooker. 2,080,592; May 18.
Zwingenberger, Otto K. (See Havekost, J. T., and Zwingenberger.)
Zwingenberger, Paula, administratrix. (See Havekost, J. T., and Zwingenberger.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Container, Metal. C. A. Racine and W. D. Graham. 20,374; May 18.
Diphenyl, Producing. J. N. Carothers. 20,367; May 18.
Ethylene oxide, Production of. T. E. Lefort. 20,370; May 18.
Furniture, Sitting and resting. A. Lorenz. 20,372; May 18.
Hammer, Portable power. J. N. Baker. 20,365; May 18.
Hydrocarbons, Producing diaryl. J. N. Carothers. 20,368; May 18.
Inventory and sales recording device, Visible. H. Booth. 20,366; May 18.
Liquid measuring apparatus. A. Lanser. 20,369; May 18.
Material transfer apparatus. H. H. Weiss. 20,375; May 18.
Synchronizer for axially movable clutches, Cone-type. H. J. Murray. 20,373; May 18.
Tray, Ice. F. J. Leyner. 20,371; May 18.
Valve converting system, Electric. E. F. W. Alexanderson. 20,364; May 18.

LIST OF DESIGN INVENTIONS

Belt, Sport. F. N. Lewis. 104,572; May 18.
Board, Game. H. H. Brown. 104,527; May 18.
Bottle. W. A. Nester. 104,574; May 18.
Bottle. D. G. Topping. 104,546; May 18.
Box or similar article, Jewelry display. P. J. Chéron. 104,561; May 18.
Bracket, Shelf. F. E. Elmer. 104,563; May 18.
Buckle. J. B. Freysinger. 104,539; May 18.
Cabinet, Display. S. F. Chamberlain. 104,560; May 18.
Candlestick or similar article. G. Sakier. 104,545; May 18.
Case, Piano. S. E. Zack. 104,596; May 18.
Chain, Bracelet. E. Prestinari. 104,544; May 18.
Comport or similar article. W. C. McCartney. 104,573; May 18.
Cuff link. J. F. Allison. 104,520; May 18.
Cup or similar article, Paper. E. P. Batchelder. 104,521; May 18.
Curtain or similar article. H. R. Berridge. 104,550; May 18.
Dress. R. Feintuck. 104,600; May 18.
Dress. M. Michelson. 104,601; May 18.
Dress. W. G. Steinman. 104,605; May 18.
Dress. P. Wenett. 104,607; May 18.
Dress, Ensemble. J. Greenman. 104,540; May 18.
Eraser and pencil tip, Combined. F. H. Beck. 104,522–3; May 18.
Fabric or similar article, Textile. E. Ericson. 104,564; May 18.
Fabric, Textile. S. Breakstone. 104,554; May 18.
Fabric, Textile. R. T. Russell. 104,602–4; May 18.
Fabric, Textile. M. Turpan. 104,592; May 18.
Font of display letters of the alphabet. F. E. Higgins. 104,541; May 18.
Frame, Picture. F. Van Etten. 104,593; May 18.
Front, Spectacle. Y. Tanasso, and J. J. Pomeranz. 104,589–90; May 18.
Gem setting. H. Rufeisen. 104,582; May 18.
Glider or similar article. E. G. Fischback and R. W. Sumey. 104,565; May 18.
Glove. B. F. Beverly. 104,551; May 18.
Glove. S. M. Straus. 104,587; May 18.
Handle for knives, forks, and similar articles. M. Bernstein. 104,549; May 18.
Head covering, Lady's. S. Sheindelman. 104,586; May 18.
Holder, Key. G. A. Benker. 104,548; May 18.
Housing, Antenna coupler. L. S. Brach. 104,526; May 18.
Lantern and battery case or similar article, Combined. E. W. Weston. 104,595; May 18.
Mattress. S. E. Blumenthal. 104,598; May 18.
Molding. J. C. Goss. 104,566; May 18.
Negligee ensemble. E. E. Stricker. 104,606; May 18.
Opera glass or similar article. O. E. Trautmann. 104,591; May 18.
Paper, Decorative. M. Orth. 104,576–80; May 18.
Paper or similar article, Wrapping. T. L. Carter. 104,558–9; May 18.
Pen or similar article, Fountain. H. W. Pearce. 104,543; May 18.
Pencil or similar article. H. W. Pearce. 104,542; May 18.
Piano. W. Zaiser. 104,547; May 18.
Plate or similar article. D. Bourne. 104,525; May 18.
Plate or similar article. D. Bourne. 104,553; May 18.
Plate or similar article. Y. Buma. 104,528–38; May 18.
Plate or similar article. A. M. Walker. 104,594; May 18.
Rack, Display. D. H. Bitney. 104,552; May 18.
Rack, Display. L. E. Butters. 104,555; May 18.
Rack, Display. C. F. Griffin. 104,568; May 18.
Rack, Display. R. L. Swartwout. 104,588; May 18.
Rack, Towel. M. Sasanoff. 104,585; May 18.
Shirt, Sweat. H. Charles. 104,599; May 18.
Shoe. H. H. C. Odencrants. 104,575; May 18.
Sign. H. C. Hammer. 104,569–70; May 18.
Sign and clock, Combined. J. Dunan. 104,597; May 18.
Slipper. D. J. Calderazzo. 104,556; May 18.
Slipper. O. A. Saccal. 104,583; May 18.
Spoon or other article of flatware. M. A. Downs. 104,562; May 18.
Stopper for perfume bottles and the like. L. A. Samstag. 104,584; May 18.
Tank, Truck. O. N. Gredell. 104,567; May 18.
Telephone receiver. N. A. Kurman. 104,571; May 18.
Tubing for lamp stands or the like. N. Rainone. 104,581; May 18.
Vase or similar article. E. M. Bottome. 104,524; May 18.
Vertical bumper. A. S. Campbell. 104,557; May 18

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. G. N. Gordon. 2,080,538; May 18.
Accounting and checking system, Automatic. J. P. Buckley. 2,080,758; May 18.
Acid, Continuously manufacturing hydrochloric. H. A. Kast. 2,081,118; May 18.
Acid pickling inhibitor. A. L. Wilson and A. R. Boese, Jr. 2,080,553; May 18.
Adhesive unit, Removable. A. B. Mull. 2,080,734; May 18.
Advertising display device. R. E. Everett. 2,080,466; May 18.
Advertising medium. P. C. Guntrup. 2,081,088; May 18.
Air circulating apparatus. F. Manning. 2,081,104; May 18.
Air circulating apparatus. F. C. Reynolds and W. H. Kirchheim. 2,081,105; May 18.
Air circulating apparatus. H. S. Woodruff and P. T. Engelskirchen, Jr. 2,081,103; May 18.
Air conditioning apparatus. R. T. Brizzolara. 2,080,998; May 18.
Air conditioning apparatus. E. L. Wiegand. 2,080,797–8; May 18.
Airplane. A. Jona. 2,080,967; May 18.
Alcohols, Producing higher fatty. S. J. Green. 2,080,419; May 18.
Aneroid condenser. J. A. McNally. 2,080,429; May 18.
Animal trap. G. Zanlnovich. 2,080,993; May 18.
Antenna retracting mechanism, Radio. G. E. Irvin. 2,080,539; May 18.
Antiseptic. W. C. Harden. 2,080,863; May 18.
Antisunburn preparations. R. A. Hall. 2,081,117; May 18.
Apparel stretching and drying frame. L. R. Jessen. 2,080,823; May 18.
Applicator, Fountain. G. H. Le Moine and A. J. Gagin. 2,080,778; May 18.
Arsenical impurities, Removal of. V. E. Speas and N. M. Mnookin. 2,080,582; May 18.
Artificial products, Manufacture and treatment of. G. H. Ellis, R. W. Moncrieff, and F. B. Hill. 2,080,768; May 18.
Asphalt and producing same, Filled. U. B. Bray and L. B. Beckwith. 2,080,690; May 18.
Astigmatometer. O. W. Lee. 2,080,614; May 18.
Attachment for serving trays. L. L. Lassiter. 2,080,865; May 18.
Auto coasting device. J. H. Hunt. 2,080,484; May 18.
Automobile. W. L. Morrison. 2,080,433; May 18.
Baby jumper. D. C. Stone. 2,080,795; May 18.
Bag. W. F. Bowen. 2,081,085; May 18.
Balancing machine. J. L. Taylor. 2,080,939; May 18.
Ball and anchorage therefor for use in playing ball games using anchored balls. F. A. Mitchell. 2,081,059; May 18.
Ball, Inflatable. D. Levinson. 2,080,894; May 18.
Bar: *See*—
Desk-bar.
Bar for embroidering machines, Implement. M. P. Neubert and O. Mueller. 2,080,735; May 18.
Base attachment for pocket seal presses. C. Priesmeyer. 2,080,987; May 18.
Bathtub. F. Cappuccio. 2,080,601; May 18.
Bearing: *See*—
Thrust bearing.
Bearing construction. L. R. Helm. 2,080,609; May 18.
Bearings, Making. R. E. Thompson. 2,080,750; May 18.
Bed, Davenport. N. Hallberg. 2,080,474; May 18.
Beer dispensing apparatus. E. H. Smith. 2,081,022; May 18.
Beet blocking and cultivator machine. C. A. Derho. 2,081,086; May 18.
Beverage cooler. J. Bodenstab. 2,080,598; May 18.
Bicycle. H. R. Uber. 2,080,677; May 18.
Bicycle frame and making same. G. W. Clark. 2,080,698; May 18.
Bicycle rims, Fabricating. E. J. Lobdell, Jr. 2,080,866; May 18.
Bidet. I. Salvoni. 2,080,438; May 18.
Billet mold. F. C. Elder. 2,080,961; May 18.
Binder, Loose leaf. F. S. Schade. 2,080,674; May 18.
Blade control, Propeller. A. Pfau. 2,080,742; May 18.
Block: *See*—
Cell block.
Meter connection block.
Blood cell formation and making it, Product for stimulating. R. S. Morris and J. H. Foulger. 2,080,430; May 18.
Blow-off apparatus. V. E. McCoy. 2,080,574; May 18.
Blow-out preventer, casing head construction, Combination. G. A. Humason. 2,080,610; May 18.
Body structure. H. A. Hicks, A. G. Herreshoff, and A. A. Buchner. 2,080,714; May 18.
Boiler. L. N. Hunter and J. W. Hall. 2,080,404; May 18.
Bookkeeping machine. W. I. Nicholson, Jr. 2,080,871; May 18.
Book, Loose leaf ring. T. Wainwright. 2,080,450; May 18.
Boring machine, Multiple spindle. F. Walther. 2,080,643; May 18.
Bottle carrier and cap remover. J. C. Ligeour. 2,080,947; May 18.
Bottle labeling machine. E. Ermold. 2,080,413–14; May 18.
Bow support, Vehicle. W. F. Crawford. 2,080,764; May 18.
Box: *See*—
Display box.
Paper box.
Box and aquarium, Indoor garden. L. Teach. 2,081,023; May 18.
Brace: *See*—
Transformer brace.
Brake: *See*—
Disk brake.
Hand brake.
Hydraulic brake.
Brake control, Vehicle. W. B. Pohle. 2,080,632; May 18.
Brake drum and backing plate combination. R. S. Begg and R. H. Thoms. 2,080,395; May 18.
Brake for automobiles, against theft of the same, Safety. D. and J. Cometto. 2,080,603; May 18.
Brake rigging of the variable leverage type. B. H. Browall. 2,080,529; May 18.
Braking device. H. F. Patterson. 2,080,740; May 18.
Brush. G. Jacob, Jr., and E. B. Wright, Jr. 2,080,821; May 18.
Burner control system. L. L. Kuempel. 2,081,091; May 18.
Burner for solid fuels. V. M. Cruikshank. 2,080,410; May 18.
Cabinet, Cold storage. G. W. Cocks. 2,080,885; May 18.
Cabinet, Illuminated directory. C. J. Cummings and L. L. Weimar. 2,080,808; May 18.
Cabinet, Refrigerated display. W. G. Bate. 2,081,048; May 18.
Cabinet, Sun bath. R. E. Weldman. 2,080,644; May 18.
Cake breaker, pastry knife, and server, Combined. A. J. Lautmann. 2,081,011; May 18.
Calcium carbonate, Precipitated finely divided. G. Lynn and E. M. Allen. 2,080,616; May 18.
Calculating device. N. Sinitzin-White. 2,080,587; May 18.
Calculating machine. C. Hamann. 2,081,008; May 18.
Calculator. G. Baer. 2,080,857; May 18.
Camera, Motion picture. A. K. Peterson. 2,080,782; May 18.
Can: *See*—
Tear strip collar can.
Can beader. F. Krueger. 2,081,042; May 18.
Candy mixture, Packing a predetermined. G. C. Miller. 2,081,093; May 18.
Cap for gas tanks, Protective. W. J. MacNeill and H. S. Palmer. 2,080,728; May 18.
Car, Dump. W. H. Yost. 2,080,845; May 18.
Car dumper. E. W. Taylor. 2,080,585; May 18.
Carbide composition, Sintered hard. H. S. Cooper. 2,081,049; May 18.
Carbonator and dispenser, Liquid. A. Young. 2,081,029; May 18.
Carburetor. G. M. Holley. 2,080,570; May 18.
Carburetor. H. T. Scott. 2,080,440; May 18.
Carburetor device. B. Mollberg. 2,080,668; May 18.
Carburetor, Downdraft. G. M. Holley. 2,080,569; May 18.
Carburetor, Multiple fuel. F. Madariaga. 2,080,617; May 18.
Carriage stroke mechanism for slicing machines. O. Theurer. 2,080,516; May 18.
Carton, Dispensing. P. B. McConnell. 2,080,729; May 18.
Case: *See*—
Loading coil case.
Cash register. W. H. Robertson. 2,080,507; May 18.
Cash register. K. Vogelgesang and E. Wagner. 2,080,519; May 18.
Catalytic oxidation of organic compounds. B. M. Reynolds. 2,081,120; May 18.
Cathode ray tube. M. von Ardenne. 2,080,449; May 18.
Cell block. W. G. Cow. 2,080,660; May 18.
Cellulose fibers of all kinds, Device for mercerizing. W. Schramek and C. Schubert. 2,080,635; May 18.
Cellulosic material, Preparation of. M. J. Connolly. 2,080,533; May 18.
Cement. W. J. McCortney. 2,080,730; May 18.
Cement, Bituminous. U. B. Bray. 2,080,688; May 18.

Ceramic articles, Apparatus for making. R. E. Gould. 2,080,418; May 18.
Chain machine for the production of wood chips or shavings. G. Bravi. 2,080,557; May 18.
Chair: *See*—
Folding chair.
Chair. W. F. Crawford. 2,080,761; May 18.
Chair. E. Galante. 2,080,607; May 18.
Chalk, Producing light precipitated. N. Statham and T. G. Leek. 2,081,112; May 18.
Change-over, Automatic. A. V. Mullen and J. C. Smith. 2,081,015; May 18.
Charge forming. J. T. Havekost and O. K. Zwingenberger. 2,080,420; May 18.
Chassis, Railway train. C. Geissen. 2,081,007; May 18.
Checking device. E. L. Carillon. 2,080,559; May 18.
Chuck. A. M. Stoner. 2,080,840; May 18.
Cigarette and igniting means, Combined. D. C. Durden. 2,080,536; May 18.
Circuit breaker. F. B. Johnson. 2,080,611; May 18.
Circuit breaker. F. Kesselring, F. Koppelmann, and W. Kaufmann. 2,080,612; May 18.
Circuit controlling device. T. J. Mudon. 2,081,014; May 18.
Circuit protection system, Burner control. B. E. Shaw. 2,080,580; May 18.
Circular loom. F. C. Hale. 2,080,773; May 18.
Circular loom. F. C. Hale and J. Jabouley. 2,080,774; May 18.
Clamp. D. Basch. 2,081,047; May 18.
Cleaner: *See*—
Suction cleaner.
Cleansing device. M. J. Roche. 2,080,745; May 18.
Closure, Container. G. E. Bennett. 2,080,686; May 18.
Closure device. M. T. Ashe. 2,080,685; May 18.
Closure for collapsible tubes and containers. F. McLaughlin. 2,080,427; May 18.
Closure, Receptacle. A. L. Merolle. 2,080,983; May 18.
Closure, Window. R. L. Ballantyne. 2,080,394; May 18.
Clutch. A. Winther. 2,081,028; May 18.
Clutch ring synchronizer, Cam actuated. H. J. Murray. 2,081,061; May 18.
Clutch servos, Synchronous control of. C. F. Kettering. 2,080,487; May 18.
Coal and the like, Mechanism for screening and transferring. J. A. Albrecht. 2,080,977; May 18.
Coal, Carbonization of. C. E. Lesher. 2,080,946; May 18.
Coat. A. Kuttes. 2,080,944; May 18.
Coin machine. K. Gammel. 2,080,911; May 18.
Collapsible structure. C. T. Shoop. 2,080,441; May 18.
Colonic irrigation, Apparatus for. J. R. Ross. 2,080,788; May 18.
Compass, Surveyor's. S. N. Koulichkov. 2,080,776; May 18.
Concrete reenforcing means. G. H. Reed. 2,080,877–8; May 18.
Concrete, Reenforcing means for. G. H. Reed. 2,080,879; May 18.
Condenser: *See*—
Aneroid condenser.
Conducting system. C. Kreisher. 2,080,491; May 18.
Conducting system. A. Talmann. 2,080,514; May 18.
Conduit. P. T. Cooney. 2,080,999; May 18.
Confections, Apparatus for packaging assorted. G. C. Miller. 2,081,092 May 18.
Confections, Producing frozen. H. P. Ingalls. 2,080,920; May 18.
Connecting rods, Producing locomotive. R. L. Templin. 2,080,641; May 18.
Connection used in proceedings for measuring very high resistances. S. Strauss. 2,081,074; May 18.
Connector for edgewise wound coils. J. F. Frese. 2,081,089–90; May 18.
Container: *See*—
Dispensing container. Label roll container.
Container filling machine. S. R. Howard. 2,080,482; May 18.
Control system. G. B. Scheibell. 2,080,835; May 18.
Controlling means for refrigerating apparatus. J. Kirgan and G. H. Woodard. 2,080,892; May 18.
Conveyer. E. Kuss and H. Miessner. 2,080,542; May 18.
Conveyer. C. R. Mastin. 2,080,828; May 18.
Conveyer and crusher, Fuel. C. T. Hansen. 2,080,710; May 18.
Cooker, Dry. E. H. Zickler. 2,080,592; May 18.
Cooler: *See*—
Beverage cooler. Edge bowl cooler.
Cooling system for internal combustion motors. N. C. Bremer. 2,080,600; May 18.
Cores, Taking oriented. W. L. Church. 2,080,978; May 18.
Corrugated-fastener machine. A. E. Cranston. 2,080,462; May 18.
Corset. J. J. Kispert. 2,081,010; May 18.
Coupler for connecting air cleaners to carburetors. W. H. Schulz. 2,080,988; May 18.
Coupling: *See*—
Flexible coupling. Pipe coupling.
Coupling system. N. P. Case. 2,080,560; May 18.
Cover: *See*—
Honey bee hive cover. Tire and wheel cover.
Receptacle cover.
Cover support, Vehicle. W. F. Crawford, 2,080,762; May 18.
Covering for buildings. F. C. Overbury. 2,080,671; May 18.
Cracker and playing card press, Combination nut. F. Hildebrand. 2,080,478; May 18.
Crushing machinery. W. A. Battey. 2,080,407; May 18.
Cuff, Reversible. B. H. Pearse. 2,080,873; May 18.
Cushion, Automobile. C. W. Manley. 2,081,111; May 18.
Cutter: *See*—
Gear cutter.
Cutting machine. P. H. Hutchinson. 2,080,941; May 18.
Cylinder, Compound. A. A. Loweke. 2,081,056; May 18.
Dam. S. W. Stewart. 2,080,637; May 18.
Dam, Basin. F. W. Wehn. 2,080,956; May 18.
Deflector, Air. W. L. Morrison. 2,080,431; May 18.
Defroster and moisture control for mechanical refrigerators, Automatic. A. S. Volpin. 2,081,128; May 18.
Denture. R. Galloway. 2,081,087; May 18.
Desk-bar. F. W. McNeely, Sr. 2,080,869; May 18.
Device for locating the position of a movable body. H. E. Sjöstrand. 2,080,511; May 18.
Device for testing the operation of timepieces. G. Keinath. 2,080,825; May 18.
Diagnostic instrument. C. H. O. Wittig. 2,080,844; May 18.
Die: *See*—
Metal container extrusion die. Perforating die.
Differential, Compensating. F. M. Higgins and B. G. Donley. 2,080,477; May 18.
Direction finder. A. L. Thurston. 2,080,448; May 18.
Disk brake. D. E. Walker and E. E. Wilbur. 2,081,076; May 18.
Dispenser: *See*—
Napkin dispenser. Portable dispenser.
Dispenser. A. L. Rodgers. 2,080,787; May 18.
Dispensing apparatus. C. E. Thomas. 2,080,856; May 18.
Dispensing container. A. J. Chamberlain. 2,080,602; May 18.
Dispensing device, Valved. G. R. Mast. 2,080,867; May 18.
Dispersion. B. Dales and F. B. Downing. 2,080,561; May 18.
Display attachment. F. S. Adams. 2,081,099; May 18.
Display box. E. J. Schoettle. 2,081,070; May 18.
Display device. N. J. Leigh. 2,081,012; May 18.
Display device, Collapsible. O. P. Storch. 2,080,938; May 18.
Display device, Knock-down. A. Beckelman. 2,080,997; May 18.
Display holder. L. J. Feldman and M. M. Poley. 2,080,467; May 18.
Display unit, Removable. A. B. Mull. 2,080,733; May 18.
Doll. E. G. Schaeffer. 2,080,439; May 18.
Door construction. J. I. Byrne. 2,080,693; May 18.
Door for automobiles and the like. H. Smith. 2,080,936; May 18.
Door frame construction. F. F. Bell and E. E. Green. 2,080,555; May 18.
Door, Tilting. E. Wanner. 2,080,904; May 18.
Dough twisting machine. F. Strelch. 2,080,584; May 18.
Dovetail milling machine. O., A., and J. Drapák. 2,080,859; May 18.
Draft deflecting device. W. L. Morrison. 2,080,432; May 18.
Drafting implement. J. C. Hochman. 2,080,917; May 18.
Drafting instrument. R. I. Martin. 2,080,620; May 18.
Drill bits, Device for holding. R. A. Bedford. 2,080,526; May 18.
Drill grinding apparatus. H. E. Tautz. 2,080,515; May 18.
Drill press. E. W. Worden. 2,081,079; May 18.
Drive mechanism. N. M. Lower. 2,080,725; May 18.
Drum and drum seal, Making brake. E. A. Nelson. 2,080,895; May 18.
Duplicating machine. L. H. Thompson. 2,080,447; May 18.
Dyeings prepared of cellulose materials by means of substantive dyestuffs, Treatment of. F. Münz and K. Keller. 2,080,543; May 18.
Dyestuffs, Indigoid vat. J. Froehlich. 2,080,862; May 18.
Edge bowl cooler. J. Amber. 2,080,594; May 18.
Electric cut-out. E. Friederich. 2,081,051; May 18.
Electric discharge device. P. Middleton and V. G. Myatt. 2,080,925; May 18.
Electric discharge device, Gaseous. A. Ihlin and M. Reger. 2,080,919; May 18.
Electric discharge lamp, Gaseous. W. Hagen, H. Krefft, and H. Kummer. 2,080,914; May 18.
Electric switch. A. Guinosso. 2,080,817; May 18.
Electrical apparatus. S. G. Raber. 2,080,504; May 18.
Electrical contact. K. L. Emmert. 2,080,811; May 18.
Electrical control for centrifugal separating machines. J. S. Pecker. 2,080,874; May 18.
Electrical switch and contactor system, High frequency. J. F. Frese. 2,080,861; May 18.
Electrical system. P. J. Konkle. 2,081,127; May 18.
Electrode holder. H. P. Sanders. 2,080,791; May 18.
Electrolytic device. P. Robinson. 2,081,068; May 18.
Electromagnetic relay. H. C. Pye. 2,081,019; May 18.

Electroplating articles, Process of and apparatus for. F. B. Rinck and R. C. Kivley. 2,080,506; May 18.
Emulsion, Producing a bituminous. U. B. Bray and L. B. Beckwith. 2,080,689; May 18.
Energy control. C. Vicario. 2,081,124; May 18.
Engine: *See*—
Internal combustion engine
Engine. E. R. Jacoby. 2,080,662; May 18.
Engine fuel supply apparatus, De-icing internal combustion. L. B. Kimball. 2,080,488; May 18.
Envelope. V. E. Heywood. 2,081,052; May 18.
Envelope machine. F. L. Smithe. 2,080,442; May 18.
Ergot-alkaloids, Manufacture, separation, and preparation of pure crystallized. A. Stoll and E. Burckhardt. 2,080,954; May 18.
Esters of terpene and abietyl compounds and producing same. K. Ward, Jr. 2,080,752; May 18.
Extras mechanism for taximeters. G. C. Coil. 2,080,699; May 18.
Eyes and apparatus therefor, Testing. B. W. Kelly. 2,080,721; May 18.
Fastener: *See*—
Positive lock fastener. Window fastener.
Roofing fastener.
Fastener stud, Snap. J. F. Cox. 2,080,979; May 18.
Fasteners, Apparatus for attaching. C. A. Miserez. 2,080,984; May 18.
Fastening means. F. E. Stahl. 2,080,636; May 18.
Faucet, Beer. R. T. Cornelius. 2,081,000; May 18.
Feeding device, Automatic. J. Krell. 2,080,968; May 18.
Filaments, Method and apparatus for twisting. F. Honig. 2,080,918; May 18.
Film reeling and dispensing means for continuous motion picture projectors. P. E. Duggan. 2,080,659; May 18.
Filter: *See*—
Pressure filter.
Fireplace screen. E. A. Haines. 2,080,708; May 18.
Fishing reel. W. Shakespeare, Jr. 2,080,900; May 18.
Flap for ladies' handbags, Multicolor interchangeable. I. D. Kraut. 2,080,453; May 18.
Flashlight. F. G. Stimson. 2,080,583; May 18.
Flexible coupling. E. Nibbs. 2,081,016; May 18.
Flour and the like, Apparatus for treating. E. F. Anderson. 2,080,884; May 18.
Fluid control and brake operating means for motor vehicles, Combined motive. C. F. Dausmann. 2,081,126; May 18.
Fluid displacement apparatus. M. W. Dole. 2,081,050; May 18.
Fluid mixing apparatus. W. F. Traudt. 2,080,940; May 18.
Fluids, Apparatus for the treatment of hydrocarbon. J. R. Rose. 2,080,930; May 18.
Fluids, Apparatus for the treatment of hydrocarbon. J. R. Rose. 2,080,932; May 18.
Fluids, Heating of. L. A. Mekler. 2,080,731; May 18.
Fluids, Process of and apparatus for the treatment of hydrocarbon. J. R. Rose. 2,080,931; May 18.
Fluids, Treating hydrocarbon. J. R. Rose. 2,080,929; May 18.
Folding chair. J. J. Croft. 2,080,765; May 18.
Folding machine. E. D. Rader and E. W. Goodwin. 2,080,505; May 18.
Frame: *See*—
Apparel stretching and drying frame. Motor vehicle frame.
Freezing and dispensing machine. H. M. Oltz. 2,080,971; May 18.
Fuel, Motor. J. R. Wilson and V. Voorhees. 2,080,681; May 18.
Fuel products, Motor. T. H. Rogers and V. Voorhees. 2,080,928; May 18.
Fuel regulator for engines. A. Schweizer. 2,080,746; May 18.
Furnace baffle. I. J. Hussey. 2,080,405; May 18.
Fuse cut out, Oil. A. E. Papp. 2,080,739; May 18.
Fuse plug. L. Ludwig. 2,080,667; May 18.
Game. P. J. Knorpp. 2,080,489; May 18.
Game, Educational skill. H. Sass. 2,081,020; May 18.
Garden implement. B. E. Cox. 2,080,763; May 18.
Gas analysis method and apparatus. J. D. Morgan. 2,081,094; May 18.
Gas cleaning means. J. C. Hayes. 2,080,713; May 18.
Gas-cutting and welding of metals, Apparatus for. L. Campbell, Jr. 2,080,396; May 18.
Gas filled discharge tube. J. G. W. Mulder. 2,080,628; May 18.
Gaseous discharge device, Electric. A. Bünger, K. Larché, and K. Wiegand. 2,080,908; May 18.
Gaseous electric discharge metal vapor lamp device. W. Uyterhoeven, C. Verburg, and M. van Dam. 2,080,902; May 18.
Gases, Apparatus for treating. A. B. Ray. 2,080,578; May 18.
Gases, Manufacture of hydrocarbon. H. Dreyfus. 2,080,767; May 18.
Gases, Purification of combustion. R. Lessing. 2,080,779; May 18.
Gauging device. Y. A. Bouget. 2,080,456; May 18.
Gear cutter. A. C. Heard. 2,080,401; May 18.
Gear for internal combustion engines, Reversing. H. Wälti. 2,080,882; May 18.
Gearing, Transmission. C. E. Starr. 2,080,937; May 18.
Glass felt, Mechanical production of. P. Modigliani. 2,081,060; May 18.
Glass focusing attachment, Ground. W. H. Gallaway. 2,081,006; May 18.
Glass tubing, Method and apparatus for molding. M. Pirani and A. Fehse. 2,080,899; May 18.
Glue. G. H. Osgood and R. G. Petterson. 2,080,832; May 18.
Golf game improver. E. S. Hannaford. 2,080,608; May 18.
Golf practice device. L. W. Craft. 2,080,653; May 18.
Grader, Egg. J. A. Templeman. 2,080,446; May 18.
Grain separator. C. C. Ingraham and J. J. Carusky. 2,080,890; May 18.
Grenade, Hand. T. A. O'Leary. 2,080,896; May 18.
Grinding machine, Hydraulically operated surface. W. H. Wood. 2,080,976; May 18.
Grip, Line. O. O. Dale. 2,080,700; May 18.
Guard construction, Mower. W. R. Gillette and A. L. Warner. 2,080,471; May 18.
Guard for sewing machines, Adjustable needle. W. Jacobson and F. E. Quest. 2,080,541; May 18.
Guard for washing machine wringers. A. Milne and M. P. Comerford. 2,081,058; May 18.
Guard, Lubricated dust. H. H. Greco. 2,080,472; May 18.
Gun, Grease. A. J. Dinkel. 2,080,809; May 18.
Gun, Power grease. N. V. Smith and C. W. Stoll. 2,080,513; May 18.
Hair and scalp treating apparatus. L. A. Carter. 2,081,034; May 18.
Hair curler device. C. E. Waltman. 2,080,550; May 18.
Halogen-2-butadiene 1,3 and making same, Dispersions of. W. H. Carothers. 2,080,558; May 18.
Hand brake. R. J. Olander. 2,080,631; May 18.
Handwheel for brakes. A. P. Withall. 2,080,590; May 18.
Handrail protective device, Moving stairway. G. E. Fiedler. 2,080,980; May 18.
Hanger for automobiles, Garment. W. T. Weekley. 2,080,990; May 18.
Hat. L. W. Moses and J. F. Duerr. 2,080,870; May 18.
Hay stacker, Extension. J. H. Cope. 2,080,461; May 18.
Head and blow-out preventer, Casing. F. J. Hinderliter. 2,080,715; May 18.
Head structure for internal combustion engines. C. B. Jahnke. 2,080,720; May 18.
Heat control system and switching mechanism therefor. C. Hotchkiss. 2,080,718; May 18.
Heat exchanger. H. Kühni. 2,081,043; May 18.
Heater. W. L. McCombs and C. L. Sheesley. 2,080,949; May 18.
Heating and ventilating system for vehicles. M. P. Blomberg. 2,080,757; May 18.
Heating apparatus. E. L. Wiegand. 2,080,800; May 18.
Heat motor. L. M. Persons. 2,080,576; May 18.
Heating apparatus. G. Fredrickson. 2,080,400; May 18.
Heating elements, Insulating electrical resistor. E. L. Wiegand. 2,080,647; May 18.
Hinge. F. G. Bates and L. B. Bishop. 2,080,597; May 18.
Hitch. H. Beebe. 2,081,083; May 18.
Holder: *See*—
Display holder. Notebook holder.
Electrode holder. Paint brush holder.
Ladder holder.
Holder for fish hooks. T. Squassoni. 2,080,794; May 18.
Holder for neckties or the like. A. R. Curtis. 2,081,002; May 18.
Honey beehive cover. G. J. Bohnet. 2,081,084; May 18.
Hosiery. H. Westerman. 2,081,026; May 18.
Humidifying apparatus. C. T. Morse. 2,081,013; May 18.
Husker, Corn. R. B. Hitchcock. 2,080,717; May 18.
Hydraulic brake, Dual master cylinder. M. E. Bowen. 2,080,687; May 18.
Hydraulic medium, Passive. K. H. Hoover. 2,080,422; May 18.
Hydrocarbons, Cracking. E. W. Isom. 2,080,820; May 18.
Hydrocarbons, Treating aliphatic. J. R. Rose. 2,080,933; May 18.
Hyrodgen peroxide, Manufacture of. W. Reinders. 2,081,097; May 18.
Hydrogen, Process of and apparatus for purifying. R. P. Mattern. 2,080,621; May 18.
Ice cutting machine. M. T. Zeigler. 2,080,452; May 18.
Ice making machine. W. H. Taylor. 2,080,639; May 18.
Ice milling machine. P. Coscia. 2,081,001; May 18.
Illumination and ventilation, Dining car. H. Dreyfuss. 2,080,960; May 18.
Implement retainer. G. H. Fuehrer. 2,080,887; May 18.
Index device. W. T. Collwitzer. 2,080,417; May 18.
Index, Telephone. D. Baker and D. Baker, Jr. 2,080,995; May 18.
Index title insert, Visible. A. R. Jackson. 2,080,822; May 18.
Indicator: *See*—
Tire condition indicator. Visual resonance indicator
Indicator with stabilized head, pitch, and bank indicating unit, Remote controlled. P. Kolleman. 2,080,490; May 18.

Induction disk motor. H. E. Young. 2,080,992; May 18.
Induction meter, Alternating electric current. G. Wall. 2,081,046; May 18.
Insole for shoes. J. Nathansohn. 2,080,490; May 18.
Instrument for indicating foreign matter in gases. C. F. Rensch. 2,080,953; May 18.
Internal combustion engine. H. Alfaro. 2,080,846; May 18.
Internal combustion engine. W. R. Ray. 2,080,633; May 18.
Internal combustion motor. T. C. Marshall. 2,080,970; May 18.
Inulin, Making. Le R. S. Weatherby and W. M. Rieger. 2,080,843; May 18.
Iron, Antichecking. H. H. Febrey. 2,080,962; May 18.
Iron, Electric oscillating laundry. A. F. Yoerg. 2,080,682; May 18.
Jack: *See*—
Lifting jack. Vehicle jack.
Jack. W. J. Fiedler. 2,080,963; May 18.
Jars, cordial containers, and the like, Supporting confectionery. J. L. Barnett. 2,080,957; May 18.
Joint: *See*—
Oscillating joint. Universal joint.
Joint for electric cables. F. C. Meyer and G. E. Moffitt. 2,080,829; May 18.
Joint for electrical cables, Split insulating. J. C. Rah. 2,080,743; May 18.
Joint to be welded, Arrangement for fixation of the edges of a. S. A. Eskilson, A. R. Gunnert, and K. G. E. Hilbinette. 2,080,563; May 18.
Ketene, Production of. W. Eschenbach. 2,080,562; May 18.
Keyboard for typewriters. R. G. Bower. 2,080,457; May 18.
Keyboard perforator and counter. E. S. Larson and C. A. Levin. 2,080,424; May 18.
Keyboard perforator and counter. B. F. Madsen. 2,080,426; May 18.
Kiln, Dry. J. I. Steel. 2,081,098; May 18.
Knob attachment. A. de Vries. 2,080,656; May 18.
Label roll container. O. H. Pierce. 2,080,986; May 18.
Ladder holder. E. C. Bixel. 2,080,527; May 18.
Lamp: *See*—
Electric discharge lamp.
Lathe. W. Möbius. 2,080,830; May 18.
Lathing, Supporting and anchoring means for wire. G. H. Reed. 2,080,876; May 18.
Lehr stacking or feeding mechanism. E. P. Dorman. 2,080,538; May 18.
Lever for electric stop motions, Tension. M. Wachsman. 2,080,903; May 18.
Lifting jack. A. R. Brush. 2,080,530; May 18.
Lifting mechanism for automobiles and the like. I. V. K. Hott. 2,080,481; May 18.
Light sensitive device. F. M. Penning and M. J. Jansen. 2,080,926; May 18.
Lime and carbon dioxide, Process and apparatus for the production of. G. H. Haas. 2,080,981; May 18.
Lime from oyster shells, Production of. A. B. Wood. 2,080,883; May 18.
Line finder for loose leaf binders. N. S. Welk and F. Hocker. 2,080,975; May 18.
Liner, Scale section. B. L. Simmons. 2,080,792; May 18.
Liquid sampler. C. C. Myracle. 2,080,629; May 18.
Liquid storage device. C. W. Ginter and J. F. Carter. 2,080,567; May 18.
Liquids, Apparatus and method of pumping hydrocarbon. W. N. Glab. 2,080,706; May 18.
Liquids, Device for cooling and dispensing. G. McKittrick. 2,080,781; May 18.
Loading coil case. R. M. C. Greenidge. 2,080,473; May 18.
Lock: *See*—
Permutation lock. Tank cap lock.
Lock. A. M. Zalkind. 2,080,684; May 18.
Loom: *See*—
Circular loom.
Loom and driving means therefor, Circular. F. C. Hale and R. Yeadon. 2,080,819; May 18.
Loom for weaving, Circular. F. C. Hale. 2,080,772; May 18.
Loom having stationary weft supplies. W. Pool. 2,080,784; May 18.
Lug strap. J. H. Chadbourne and C. A. Burdick. 2,080,759; May 18.
Luggage, Hand. G. H. Wheary. 2,080,645; May 18.
Luminous tube sign. E. D. Vissing. 2,080,679; May 18.
Machine for applying edge bindings to shoe uppers. R. A. Hartt. 2,080,712; May 18.
Machine for the continuous projection printing of moving picture films. M. A. Dalotel. 2,080,463; May 18.
Manifolding device. W. G. Borchers. 2,080,803; May 18.
Matrix forming and drying machine. G. M. Clark. 2,080,697; May 18.
Measuring and controlling apparatus. J. D. Ryder. 2,080,789; May 18.
Measuring device for ropes and the like. E. M. Blue. 2,081,102; May 18.
Meat cutting and slicing machine. C. G. Biro. 2,081,033; May 18.
Mechanical device to crimp safety caps on bottles and other containers. A. Rivera. 2,080,785; May 18.
Medicinal preparations including amino-pyridine salts and preparing and utilizing the same. E. T. Tisza. 2,080,517; May 18.
Memorandum device. G. F. Gray. 2,081,036; May 18.
Mercury switch structure. P. Gray. 2,080,707; May 18.
Message authenticating system. W. F. Friedman. 2,080,416; May 18.
Metal container extrusion die. C. P. Deibel. 2,080,399; May 18.
Metal cutting machine. T. H. Doan. 2,080,464; May 18.
Metal edging construction, Sheet. C. P. Albert. 2,080,593; May 18.
Metal stock, Preparing. R. L. Templin. 2,080,640; May 18.
Metalworking machine. J. Huber. 2,080,889; May 18.
Metals, Apparatus for purifying and refining molten. F. E. Miller. 2,080,625; May 18.
Metals, Decorating. J. E. Stareck. 2,081,121; May 18.
Meter: *See*—
Induction meter.
Meter connection block. H. J. Blakeslee. 2,081,100–1; May 18.
Meter valve. N. J. Seibert and F. S. Brooks. 2,081,072; May 18.
Mica-insulated spark plug. O. C. Rohde. 2,080,854; May 18.
Micrometer caliper. P. J. Darlington. 2,080,534; May 18.
Mixing and screening apparatus for fertilizer materials and the like. A. J. Sackett. 2,080,508; May 18.
Modulating system. R. S. Caruthers. 2,080,459; May 18.
Modulation system for ultra-high frequency waves. H. E. Hollmann. 2,080,572; May 18.
Moistening mechanism for feeding threads. R. M. Bashore. 2,080,996; May 18.
Mold: *See*—
Billet mold. Pattie mold.
Mold for frozen confections. A. C. Grunwald. 2,080,816; May 18.
Monitoring system. J. M. Kane. 2,080,423; May 18.
Motor: *See*—
Heat motor. Internal combustion motor.
Induction disk motor. Spring motor.
Motor construction. J. B. Van Horn and E. M. Wagner. 2,080,678; May 18.
Motor control system. J. L. Bird. 2,081,032; May 18.
Motorcycle, Quickly demountable light. H. Seehase. 2,080,972; May 18.
Motor vehicle frame. F. W. Slack. 2,080,748; May 18.
Mounting, Ophthalmic. S. E. Bouchard. 2,080,847; May 18.
Mounting, Ophthalmic. G. A. Ellestad. 2,080,849; May 18.
Mounting, Ophthalmic. O. F. Nelson. 2,080,853; May 18.
Mounting, Ophthalmic. H. C. Petersen. 2,080,503; May 18.
Mouthpiece. J. Stein and E. Freedman. 2,080,676; May 18.
Movement, Intermittent. E. H. Sperberg. 2,080,443; May 18.
Mower attachment, Lawn. L. C. Ainsworth. 2,080,648; May 18.
Napkin dispenser. F. L. Broeren. 2,080,691; May 18.
Necktie rack. C. F. Brey. 2,080,805; May 18.
Nitrocellulose, Production of. M. O. Schur. 2,080,934; May 18.
Nitro-drestuffs and preparing them. E. Fischer and W. Gmelin. 2,080,704; May 18.
Notebook holder. M. M. Wright. 2,080,591; May 18.
Nozzle, Hydraulic. G. H. Norris. 2,080,500; May 18.
Nut, Clinch-on. F. N. Ross. 2,080,545; May 18.
Nuts, Manufacture of. L. A. Frayer. 2,080,850; May 18.
Oil and gas from oil wells, Apparatus for entraining. W. F. McMahon. 2,080,622; May 18.
Oil composition, Lubricating. A. C. Vobach. 2,081,075; May 18.
Oil dispensing system. C. W. Ginter and J. F. Carter. 2,080,566; May 18.
Oil treatment, Hydrocarbon. S. W. Ferris. 2,080,415; May 18.
Oil well pump. W. F. McMahon. 2,080,623–4; May 18.
Oils, Treatment of hydrocarbon. R. B. Day. 2,080,701; May 18.
Oils, Treatment of hydrocarbon. J. C. Morrell. 2,080,732; May 18.
Operating means for knitting needles, Selective. E. U. Ames. 2,080,525; May 18.
Ornamental object and making the same. C. L. Scovil and L. L. Greneker. 2,081,071; May 18.
Ornamentation. A. Bates. 2,081,082; May 18.
Oscillating joint. R. K. Lee. 2,080,722; May 18.
Oscillator, Modulation-controlled magnetron. H. E. Hollmann. 2,080,571; May 18.
Oscillator, Thermionic. K. B. Eller. 2,080,411; May 18.
Outboard motor handle. T. F. Hobson. 2,081,053; May 18.

Oven, Baking. L. D. Houlis. 2,080,719; May 18.
Package and end label therefor, Roll. I. Falkenstein. 2,080,564; May 18.
Package and sealing, Sealed. E. Scofield. 2,080,747; May 18.
Package for jewelry, Display. G. B. Nathanson. 2,080,630; May 18.
Packaging machine. B. R. Stetson. 2,081,122; May 18.
Packer for wells. J. D. Nixon and C. L. Ferrell. 2,080,736; May 18.
Packing. W. E. King. 2,081,040; May 18.
Packing for centrifugal pumps and the like. O. Jacobsen. 2,080,891; May 18.
Padding, Upholstery. D. R. F. Fowler. 2,080,886; May 18.
Paint brush holder. W. C. Crawford. 2,080,655; May 18.
Pantograph. E. W. Stone. 2,080,974; May 18.
Paper box. C. L. Claff. 2,080,532; May 18.
Paper feeding apparatus for typing devices. H. D. Allen. 2,080,524; May 18.
Paper manufacture. H. R. Rafton. 2,080,437; May 18.
Pattern, Automobile body glass cutting. M. H. Tracy. 2,080,549; May 18.
Pattie mold. E. Baker. 2,081,080; May 18.
Pencil, Lead. F. J. McDonald. 2,081,057; May 18.
Perforating die. A. W. Altvater. 2,080,994; May 18.
Perfume bases, Manufacture of. W. C. Meuly. 2,080,497–8; May 18.
Permutation lock. E. B. Stone. 2,081,123; May 18.
Petroleum distillates with alkaline solutions, apparatus therefor, Treating. D. B. Nutt and J. H. Easthagen. 2,080,737; May 18.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,081,003; May 18.
Petroleum emulsions, Breaking. M. De Groote and A. F. Wirtel. 2,081,004–5; May 18.
Photoengraving. H. Funck. 2,080,965; May 18.
Photometer, Light operated electric. B. Lange. 2,080,613; May 18.
Picture. F. K. Cook and B. E. Wose. 2,080,652; May 18.
Pictures, Apparatus for showing. H. Takahashi and M. Nagatsuka. 2,080,901; May 18.
Pile driver. P. Pfeiffer. 2,080,951; May 18.
Pipe aligning tool. E. G. Boyer. 2,080,906; May 18.
Pipe coupling. B. F. Smith and H. B. Palmer. 2,081,021; May 18.
Pipe pile construction. W. R. Marsden. 2,080,493; May 18.
Piston. P. M. Freer. 2,080,705; May 18.
Piston ring. T. Schaub. 2,080,579; May 18.
Piston ring. S. S. Slyk. 2,080,935; May 18.
Planting device. D. Olivares. 2,080,897; May 18.
Plastics, Producing petroleum. D. E. Carr. 2,080,696; May 18.
Plug: *See*—
Fuse plug. Mica-insulated spark plug.
Plug sealing means for metallic containers. L. B. Wackman. 2,080,881; May 18.
Pneumatic foot support. L. L. Gilbert. 2,080,469; May 18.
Polish. L. W. Shuger. 2,081,073; May 18.
Polishing machine. F. Schenk. 2,080,880; May 18.
Polyvinylchloride from its solutions, Separating afterchlorinated. G. Wick. 2,080,589; May 18.
Portable dispenser. H. G. Lassen. 2,080,923; May 18.
Portable table, Knock-down. I. MacDonald. 2,080,982; May 18.
Positive lock fastener. G. McK. Fitts. 2,080,769; May 18.
Pouch, Tobacco. H. O. Herman. 2,080,402; May 18.
Powder feed device. C. C. Calkins. 2,080,694; May 18.
Power transmitting device and making same. J. D. Bechtel. 2,080,455; May 18.
Power transmitting mechanism. E. W. Larsen. 2,080,665; May 18.
Practice machine. M. Beasley and J. A. Coffee. 2,080,958; May 18.
Pressing elements, Apparatus for evacuating. A. F. Hanney. 2,080,915; May 18.
Pressure accumulator. C. Cargile. 2,080,695; May 18.
Pressure controlling mechanism. F. W. Ellis. 2,080,465; May 18.
Pressure filter. B. Kelley. 2,081,009; May 18.
Pressure regulating valve. R. W. Leutwiler and W. Eichholz. 2,080,666; May 18.
Projectile, Explosive. S. Lebensart. 2,080,777; May 18.
Propeller. O. Isaac. 2,080,540; May 18.
Propeller governor. R. O. Watkins. 2,080,955; May 18.
Property safeguarding and seating costumer, Combined individual. E. D. Pratt. 2,081,066; May 18.
Protective system. F. Pedatella. 2,080,502; May 18.
Puller: *See*—
Steel puller.
Pump: *See*—
Oil well pump. Vacuum pump.
Pump construction. L. Yost and G. W. Norris. 2,080,683; May 18.
Pump control. J. K. Douglas. 2,080,810; May 18.
Pump control device, Gasoline dispensing. C. Devers. 2,080,535; May 18.
Pus and gangrenous cases, Treatment of. J. Morales, E. S. Quillin, and C. L. Gutzeit. 2,081,119; May 18.
Rack: *See*—
Necktie rack.
Racket, Rubber strung. A. M. Timpé. 2,080,642; May 18.
Radiation, Apparatus for measuring. H. Kott. 2,081,041; May 18.
Radio frequency transmitter. M. Ponte. 2,080,577; May 18.
Ratchet mechanism. H. A. Bakke. 2,081,115; May 18.
Razor blade, Safety. W. Firneburg. 2,080,860; May 18.
Reagents to liquids, Method of and apparatus for adding. W. Paterson. 2,080,872; May 18.
Receptacle cover. J. A. Robles. 2,080,786; May 18.
Receptacle for smokers' articles. M. Hackman. 2,080,818; May 18.
Reciprocating mechanism. E. J. McMahon. 2,080,428; May 18.
Recording machine. E. Breitling. 2,080,649; May 18.
Recording mechanism for trains. E. Stout. 2,080,855; May 18.
Reel: *See*—
Fishing reel.
Refiller and cuspidor flusher, Automatic water. H. J. Badger and W. A. Davis. 2,080,756; May 18.
Reflector for use in photography, Illumination. D. W. Norwood. 2,080,434; May 18.
Refractometer. H. W. Straat. 2,080,841; May 18.
Refrigerating apparatus. W. B. Anderson and S. C. Baker. 2,080,595; May 18.
Refrigerating apparatus. A. T. Stock. 2,080,749; May 18.
Refrigerating apparatus. W. W. Watt. 2,081,025; May 18.
Register attachment for hot air registers. M. Lowinger. 2,080,726; May 18.
Register control, Photoelectric. W. R. Perry. 2,080,575; May 18.
Reproducing. J. Johnston. 2,080,663; May 18.
Resin and producing, Synthetic. E. G. Peterson. 2,080,436; May 18.
Ridge breaker. F. W. Hintz. 2,080,888; May 18.
Rimming machine for wood heels. H. W. Russ. 2,080,547; May 18.
Ring: *See*—
Piston ring. Ventilated piston ring.
Ring securing means. W. M. Charman. 2,080,848; May 18.
Roller construction, Track. C. R. Rogers. 2,080,744; May 18.
Roof construction, Floating. J. Hoenighausen. 2,080,568; May 18.
Roofing fastener. H. L. Guy. 2,080,912; May 18.
Rotary tool. L. G. Speth. 2,080,973; May 18.
Rotor, Gyro. E. B. Wilford and E. Daland. 2,080,522; May 18.
Rubber from materials containing it, Removing. K. W. Coons. 2,080,910; May 18.
Rule, Flexible tape. H. M. Gasstrom. 2,080,815; May 18.
Runner for the wheels of a child's vehicle, Detachable and reversible. P. S. Turner. 2,081,024; May 18.
Saddle and mounting therefor, Bicycle. T. I. Duffy. 2,080,658; May 18.
Safety device. B. Johnsen. 2,080,485; May 18.
Sanitary toilet seat. G. A. Long. 2,081,110; May 18.
Sash, Window. J. Mayes. 2,080,868; May 18.
Scaffold and clamp for scaffolds and the like. D. H. Hayden. 2,080,916; May 18.
Screen: *See*—
Fireplace screen.
Seal, Oil. T. E. Nelson. 2,080,669–70; May 18.
Seal, Pressure or liquid. S. C. Shipley. 2,080,836; May 18.
Sealer for fabrics, Edge. J. E. Cook. 2,080,397; May 18.
Sealing device, Wrapper. C. H. Petskeyes. 2,080,834; May 18.
Seat: *See*—
Sanitary toilet seat.
Seating arrangement. W. A. Brown. 2,080,458; May 18.
Self-aligning sprocket wheel. R. B. Hitchcock. 2,080,716; May 18.
Selvedging mechanism for circular looms. F. C. Hale. 2,080,771; May 18.
Separator: *See*—
Grain separator.
Sewage sludge digestion, Method of and apparatus for. H. J. N. H. Kessener. 2,081,039; May 18.
Sextant. G. B. Gallasch and H. F. Kurtz. 2,080,851; May 18.
Shaft sealing device for refrigerators. J. L. Homan. 2,080,403; May 18.
Shears, Sheep. W. H. Wilcox. 2,080,451; May 18.
Shedding mechanism for circular looms. J. Jabouley and R. Yeadon. 2,080,775; May 18.
Sheet metal elements for screws, Adapting. B. C. Place. 2,081,065; May 18.
Shelf support. J. C. Buchanan. 2,080,907; May 18.
Shield, Radio tube. F. Hafecost and E. F. Staver. 2,080,913; May 18.

Shield, Spark plug. J. J. Masceuch. 2,080,827; May 18.
Shingles, Assembly of. T. L. Olson. 2,081,018; May 18.
Shock absorbing mechanism, Friction. H. B. Loewer. 2,080,615; May 18.
Shoe. J. L. Cobb. 2,080,959; May 18.
Shoe, Athletic. L. R. Walther. 2,080,680; May 18.
Shoes, Manufacture of. D. W. Bunker. 2,080,531; May 18.
Shoemaking. D. F. Newman. 2,080,501; May 18.
Sign: *See*—
Luminous tube sign. Warning sign.
Stroboscopic sign.
Signaling apparatus, Railway. E. M. Allen and P. N. Martin. 2,080,801; May 18.
Signaling mechanism, Suction actuated. A. F. Gillet. 2,080,470; May 18.
Signaling or indicating apparatus. J. H. Graham. 2,081,035; May 18.
Signaling system, Railway. G. Callie. 2,080,806; May 18.
Silk; Treating. A. Schoen. 2,080,509; May 18.
Silver halide emulsion; Sensitizing. H. K. Weichmann. 2,080,551; May 18.
Sink and counter top construction. S. Madsen. 2,080,573; May 18.
Skate. L. Dewan and J. Bartho. 2,080,766; May 18.
Skinning apparatus. M. Frudua. 2,080,606; May 18.
Skirt. E. Foltz. 2,080,814; May 18.
Sling, Lifting. F. K. Fildes. 2,080,813; May 18.
Slip. W. A. Goldsmith. 2,081,116; May 18.
Snipping machine. F. W. O'brie. 2,080,831; May 18.
Sodium sulphite, Manufacturing anhydrous. F. C. Bowman and H. Stougaard. 2,080,528; May 18.
Sound transmitting, recording, and reproducing mechanism. J. B. Fairbanks. 2,080,812; May 18.
Space discharge tube. E. F. Carter. 2,081,125; May 18.
Spark plug cooling device. L. J. McKone. 2,080,495; May 18.
Speed regulation of an electric motor, Slow. E. B. Thurston. 2,080,842; May 18.
Splint, Anatomic. R. Anderson. 2,080,802; May 18.
Sprayer, Insecticide. H. C. Hilts. 2,080,864; May 18.
Spring motor. T. A. Byers. 2,080,651; May 18.
Spring unit, Bolster. D. F. Sproul. 2,080,793; May 18.
Stamp tax device. W. B. White. 2,080,753; May 18.
Stand for motor driven tools. T. L. Hedgpeth. 2,080,475; May 18.
Staple. O. S. Nelson. 2,081,062; May 18.
Stapling device. W. Schafroth. 2,080,634; May 18.
Starting and stopping mechanism. W. E. Naugler. 2,080,544; May 18.
Steel puller. L. A. Roemer. 2,080,673; May 18.
Steering system, Power. R. C. Kenyon. 2,081,054; May 18.
Stereoscopic positives from negatives, Apparatus for making. E. E. Draper. 2,080,604; May 18.
Stockings, Method and mechanism for producing full fashioned knit. W. L. Thompson. 2,080,796; May 18.
Stoker. H. P. Anderson. 2,081,113; May 18.
Stoker. H. P. Anderson and E. Martin. 2,081,114; May 18.
Stoker. H. E. Preston. 2,081,067; May 18.
Stoker drive. E. R. Stone. 2,080,838–9; May 18.
Stopper and syringe, Making a combined bottle. L. J. Mazoyer and C. Jones. 2,080,948; May 18.
Stopper for drain outlets. C. G. Hicks. 2,081,037; May 18.
Strands, Method of and apparatus for coating. F. Martindell. 2,080,494; May 18.
Strands, Method of and apparatus for coating. C. M. Underwood. 2,080,518; May 18.
Strap: *See*—
Lug strap.
Stroboscopic sign. C. O'Connor and E. Lee. 2,080,985; May 18.
Structural unit. C. C. Madsen. 2,080,618; May 18.
Suction cleaner. H. E. Hoover. 2,080,480; May 18.
Suction cleaner. W. D. Sellers. 2,080,510; May 18.
Suction cleaner. H. B. White. 2,080,521; May 18.
Sulphur compounds from hydrocarbon oil and regeneration of spent treating agent, Removal of. W. A. Craig. 2,080,654; May 18.
Sulphur stabilization and preservation. J. B. Ceccon. 2,080,408–9; May 18.
Support: *See*—
Bow support. Pneumatic foot support.
Cover support. Shelf support.
Supporting means. E. L. Anderson. 2,081,030; May 18.
Surveying instrument. N. D. Salmon. 2,080,790; May 18.
Suspending unit. A. B. Mull. 2,081,095; May 18.
Switch: *See*—
Electric switch.
Switch and contact structure therefor, Thermostatic electric. J. D. Bolesky. 2,080,556; May 18.
Switch mechanism, Interlocking. E. E. Forstrom. 2,080,964; May 18.
Swivel harp fixture for electric lamps. K. Berger. 2,081,031; May 18.
Swivel, Oil well drilling. L. L. Smith. 2,080,512; May 18.
Table: *See*—
Portable table.
Table, and drive therefor, Rotary. J. Rathje. 2,080,952; May 18.
Tag, Identification. J. Haas. 2,080,852; May 18.
Tag reenforcement and seal. L. B. Wheeler. 2,080,754; May 18.
Tank cap lock. C. Kiracofe. 2,081,055; May 18.
Tank filled with oil, Keeping a. J. B. Wantz. 2,081,077; May 18.
Tape and making the same, Fastener. G. R. Upham. 2,080,751; May 18.
Tear strip collar can. L. J. Lathrap. 2,080,826; May 18.
Telephone mouthpiece attachment. H. L. Whittaker and W. H. Hurford. 2,080,552; May 18.
Telephone system. J. C. Kelly. 2,080,486; May 18.
Telephone system. J. Wicks. 2,081,027; May 18.
Telephone system and equipment, Inter-outer. R. Varley. 2,080,586; May 18.
Television, Apparatus for use in. C. F. Joers. 2,080,942; May 18.
Temperature control device. C. A. Otto. 2,080,950; May 18.
Temperature regulating system. D. J. Stewart. 2,080,444; May 18.
Tension device for loom shuttles. H. J. Bassett. 2,081,081; May 18.
Tension means for winding machines. F. Klein. 2,080,893; May 18.
Terminator for cycle control systems, Automatic. L. Logan and C. Webber. 2,080,924; May 18.
Thermally responsive device. E. L. Wiegand. 2,080,799; May 18.
Thermoelectric measuring instrument. L. R. Runaldue. 2,081,044; May 18.
Thermoplastic materials, Molding. A. E. Petersen. 2,080,783; May 18.
Thermostatic control. D. H. Hill. 2,080,661; May 18.
Thread element and process and apparatus for making it. F. E. Bartell. 2,080,905; May 18.
Thrust bearing. C. S. Oliver. 2,081,063; May 18.
Tire and wheel cover, Spare. G. A. Lyon. 2,080,492; May 18.
Tire beads and the like, Device for reenforcing. S. A. Reed. 2,081,096; May 18.
Tire condition indicator. C. A. Phillips. 2,081,064; May 18.
Tool: *See*—
Pipe aligning tool. Rotary tool.
Tool for working ballast and plastic materials. C. Jackson. 2,080,921; May 18.
Tooth brush. H. P. Duey. 2,080,605; May 18.
Topper stand protecting device. F. Tait, Jr. 2,080,445; May 18.
Torch. A. A. Karcher and C. B. Brown. 2,080,664; May 18.
Toxic agents. S. Goldschmidt and K. Martin. 2,080,770; May 18.
Traction device. L. H. Sponseller. 2,080,675; May 18.
Tractor. T. Brown. 2,080,692; May 18.
Traffic controlling apparatus, Railway. P. H. Crago. 2,080,807; May 18.
Trailer for automobiles. D. F. Hall and W. A. Morkert. 2,080,709; May 18.
Transformer brace. H. Churchill. 2,080,460; May 18.
Translating means for television impulses. A. P. Richards. 2,080,927; May 18.
Translating mechanism for printing or recording apparatus. R. G. Griffith. 2,080,966; May 18.
Transmitter, Torque. J. P. Ruth. 2,080,548; May 18.
Trap: *See*—
Animal trap.
Tree, Artificial. R. Williams and C. F. Kramer. 2,080,523; May 18.
Trough, Poultry feeding. A. Perrich. 2,080,672; May 18.
Truss. H. C. Engberg. 2,080,412; May 18.
Tube: *See*—
Cathode ray tube. Space discharge tube.
Gas-filled discharge tube.
Tube. O. W. Mojonnier. 2,080,626; May 18.
Tube base. T. M. Shrader. 2,080,837; May 18.
Tubes, especially conical tubes, Method and machine for manufacturing paper. C. Majer. 2,080,619; May 18.
Tubular articles, Apparatus for forming. C. J. Keller. 2,081,038; May 18.
Turbine. A. Lysholm. 2,080,425; May 18.
Turntable for automobiles. R. F. Ash. 2,080,596; May 18.
Undergarment, Women's. D. L. Fine. 2,080,703; May 18.
Universal joint, Rubber cushioned. B. T. Morgan. 2,080,627; May 18.
Utensil, Baking and cooking. A. M. Watson. 2,081,078; May 18.
Vacuum pump. K. C. D. Hickman. 2,080,421; May 18.
Valve: *See*—
Meter valve. Pressure regulating valve.
Valve. R. S. Condon. 2,080,760; May 18.
Valve. T. G. Kane. 2,080,824; May 18.
Valve and supporting means therefor. F. M. Littell. 2,080,724; May 18.
Vat-dyestuff preparations. J. Nüsslein, K. Daimler, and C. Platz. 2,081,017; May 18.
Vat, Processing. H. Feldmeier. 2,080,537; May 18.
Vegetable material, Utilizing waste. R. B. Arnold. 2,080,454; May 18.
Vehicle. S. Smith. 2,080,989; May 18.

Vehicle and body construction, Juvenile. H. L. Kraeft. 2,080,922; May 18.
Vehicle, Dump. H. W. Jones. 2,080,943; May 18.
Vehicle having independently-sprung road wheels, Automobile. C. Macbeth. 2,080,969; May 18.
Vehicle jack. J. M. Haraldson. 2,080,711; May 18.
Vehicle, Motor. C. R. Paton. 2,080,435; May 18.
Ventilated piston ring. H. P. Phillips. 2,080,898; May 18.
Ventilating apparatus. F. C. Kilb. 2,081,106; May 18.
Ventilating apparatus. F. C. Kilb. 2,081,108–9; May 18.
Ventilating apparatus. F. C. Kilb and H. S. Woodruff. 2,081,107; May 18.
Ventilator. T. A. Heppenstall. 2,080,476; May 18.
Ventilator for internal combustion engines, Crankcase. R. S. Whittington. 2,080,588; May 18.
Vibration generating apparatus. E. H. Ludeman, Jr. 2,080,727; May 18.
Visual resonance indicator. H. A. Wheeler. 2,080,646; May 18.
Volume control system. R. M. Smith. 2,080,581; May 18.
Volume control system. I. Wolff. 2,080,554; May 18.
Wall construction for wooden boxes, End. E. H. and H. W. Mell. 2,080,496; May 18.
Warning sign. H. E. Young. 2,080,991; May 18.
Washing machine. H. T. Donohue. 2,080,657; May 18.
Waste, Process and apparatus for treating. J. C. Mars. 2,080,780; May 18.
Wedge adjusting mechanism for locomotive drive boxes. W. A. O'Toole. 2,080,833; May 18.
Weeder, Knife. A. C. Lindgren. 2,080,723; May 18.
Weeder, Knife. W. R. Peterson. 2,080,741; May 18.
Well and constructing and cementing same. J. W. Allen. 2,080,406; May 18.
Well drilling control system. J. E. Brantly. 2,080,804; May 18.
Wells, Treating. M. B. Pitzer. 2,080,875; May 18.
Wheel: *See*—
Self-aligning sprocket whe
Wheel alignment, Device for measuring and recording. K. R. Charlton. 2,080,909; May 18.
Wheel and axle assembly. A. H. Oelkers. 2,080,738; May 18.
Wheel and valve stem assembly, Combination. A. P. Ferfueson. 2,080,468; May 18.
Wheel springing system for motor driven vehicles, Independent front. J. F. Soper. 2,081,045; May 18.
Wheel suspension. E. J. Delahanty. 2,080,702; May 18.
Wheel suspension, Independent. E. A. Rudoni. 2,080,546; May 18.
Winder. H. E. Cooper. 2,080,398; May 18.
Window fastener. J. G. Schnetzler. 2,081,069; May 18.
Window, Screened. K. H. Feige. 2,080,565; May 18.
Wire drawing method and lubricant therefor. S. A. Braley. 2,080,599; May 18.
Wood heel machine. E. J. Story. 2,080,638; May 18.
Wringer, Mop. T. F. Lee. 2,080,945; May 18.
Yarn swift. A. Brügger. 2,080,650; May 18.
Yarns and fabrics of cellulose derivatives and making same. W. Whitehead. 2,080,755; May 18.
Zinc, Electrodeposition of. R. O. Hull. 2,080,483; May 18.
Zinc plating. L. R. Westbrook. 2,080,520; May 18.
Zinc, Plating of. E. F. Hoff. 2,080,479; May 18.

CLASSIFICATION OF PATENTS

ISSUED MAY 18, 1937

NOTE.—First number=class, second number=subclass, third number=patent number

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2,081,091
164— 85: 2,080,456
93: 2,080,994
112: 2,080,424
2,080,426
166— 10: 2,080,736
14: 2,080,715
15: 2,080,610
21: 2,080,406
2,080,875
167— 30: 2,080,770
58: 2,081,119
70: 2,080,863
74: 2,080,430
90: 2,081,117
170— 163: 2,080,540
171— 34: 2,081,046
97: 2,080,504
252: 2,080,678
271: 2,081,044
172— 152: 2,080,842
239: 2,081,032
274: Re.20,364
278: 2,080,992
173— 13: 2,080,491
2,080,514
263: 2,081,047
268: 2,080,743
324: 2,081,089
2,081,090
175— 41.5: 2,080,429
294: 2,080,502
315: 2,081,068
320: 2,081,019
176— 2: 2,080,925
122: 2,080,919
124: 2,080,902
2,080,908
126: 2,080,914
177— 311: 2,080,991
346: 2,081,014
353: 2,081,035
178— 6: 2,080,927
2,080,942
178— 23: 2,080,758
25: 2,080,966
44: 2,080,560
46: 2,080,473
179— 1: 2,080,586
6: 2,080,812
18: 2,081,027
26: 2,080,486
100.3: 2,080,835
2,081,015
171: 2,080,459
2,080,571
2,080,572
2,081,127
185: 2,080,676
187: 2,080,552
180— 18: 2,080,692
33: 2,080,972
64: 2,080,435
79.2: 2,081,054
181— 0.5: 2,080,825
183— 2.5: Re.20,369
4: 2,080,578
51: 2,080,726
84: 2,080,574
185— 37: 2,080,651
188— 72: 2,081,076
77: 2,080,740
81: 2,081,115
195: 2,080,529
218: 2,080,395
265: 2,080,603
189— 34: 2,080,593
192— .01: 2,080,484
2,080,487
3: 2,081,126
4: 2,080,632
46: 2,081,028
53: Re.20,373
2,081,061
60: 2,080,548
148: 2,080,544
194— 55: 2,080,911
196— 4: 2,081,003
2,081,004
2,081,005
13: 2,080,415
22: 2,080,696
32: 2,080,737
36: 2,080,701
2,080,732
47: 2,080,731
49: 2,080,820
152: 2,080,688
197— 1: 2,080,871
100: 2,080,457
126: 2,080,803
133: 2,080,524
2,080,986
198— 16: 2,080,980
31: 2,080,858
196: 2,080,828
200— 42: 2,080,684
50: 2,080,964
58: 2,081,064
67: 2,080,817
92: 2,080,861
106: 2,081,124
117: 2,080,667
118: 2,081,051
120: 2,080,739
138: 2,080,556
2,080,718
2,080,799
140: 2,080,661
144: 2,080,611
2,080,612
152: 2,080,707
158: 2,081,101
163: 2,081,100
166: 2,080,811
201— 64: 2,080,647
202— 9: 2,080,946
52: 2,081,097
204— 1: 2,081,121

204—	18: 2,080,483	219—	11: 2,080,400	235—	30: 2,080,699	250—	33: 2,080,539	260—	146: 2,080,934	285—	93: 2,080,500
	2,080,479		20: 2,080,797		79: 2,081,008		2,080,577		156: 2,080,419		129: 2,080,988
	2,080,506		39: 2,080,798		87: 2,080,857		34: 2,081,041		168: Re.20,367		137: 2,081,021
	2,080,520		2,080,800		130: 2,080,507		2,081,074		20,368		166: 2,080,836
	31: 2,080,621	220—	26: 2,080,568	236—	1: 2,080,950		2,081,077		170: 2,080,767	286—	6: 2,080,472
	2,080,929		30: 2,080,786		70: 2,080,789		36: 2,080,411	261—	18: 2,080,488		7: 2,080,891
	2,080,930		39: 2,080,881		91: 2,080,444		41.5: 2,080,613		2,080,617		11: 2,080,403
	2,080,931		54: 2,080,826	240—	2: 2,080,521		2,080,926		41: 2,080,569		2,080,669
	2,080,932		61: 2,080,685		2,080,851	251—	134: 2,080,724		43: 2,080,940	288—	1: 2,080,670
	2,080,933		85: 2,080,728		2.18: 2,080,844	252—	5: 2,080,422		65: 2,080,440	290—	44: 2,080,955
205—	21: 2,080,599	221—	1: 2,080,867		7.35: 2,080,960	253—	69: 2,080,425		72: 2,080,570	292—	7: 2,081,069
206—	15.1: 2,080,655		23: 2,080,602		10.63: 2,080,583		148: 2,080,742		110: 2,080,713	293—	55: 2,080,989
	41: 2,080,402		47.3: 2,080,513		148: 2,081,031	254—	2: 2,080,963		117: 2,081,013	294—	67: 2,080,813
	44: 2,080,630		2,080,809	242—	55: 2,080,855		30: 2,080,673	263—	29: 2,080,981	296—	10: 2,080,764
	2,081,070		47.5: 2,080,856		84.4: 2,080,428		86: 2,080,711		53: 2,080,883		44: 2,080,433
	57: 2,080,729		60: Re.20,374		84.5: 2,080,900		89: 2,080,481	265—	49: 2,080,446		2,080,714
207—	17: 2,080,399		2,080,427		110: 2,080,650		100: 2,080,530	266—	34: 2,080,625		48: 2,080,936
208—	100: 2,080,658		67: 2,080,567		150: 2,080,893	255—	19: 2,080,804	267—	9: 2,080,793		64: 2,080,458
	173: 2,080,766		95: 2,080,566	244—	18: 2,080,522		23: 2,080,952		20: 2,080,546		84: 2,080,431
209—	96: 2,080,890		101: 2,080,535		75: 2,080,967		25: 2,080,512	270—	62: 2,080,505		2,080,432
	246: 2,080,977		120: 2,080,897	246—	3: 2,080,806		72: 2,080,978	271—	2.6: 2,080,575		104: 2,080,762
	285: 2,080,508	223—	63: 2,080,823		63: 2,080,807	257—	109: 2,080,537		39: 2,080,968	298—	30: 2,080,943
210—	2: 2,080,780	224—	29: 2,080,527		130: 2,080,801		229: 2,081,043	273—	26: 2,080,958	301—	44: 2,080,675
	2,081,039		35: 2,080,677	247—	3: 2,080,829	259—	2: 2,080,542		35: 2,080,608	302—	36: Re.20,375
	22: 2,080,872		45: 2,080,947	248—	26: 2,081,030		2,080,884		2,080,653	304—	40: 2,080,916
	72: 2,080,874	225—	6: 2,081,000		29: 2,081,095		9: 2,080,971		2,081,059	308—	212: 2,080,738
	182: 2,081,009		21: 2,081,029		215: 2,080,460		46: 2,080,694		65: 2,080,894		40: 2,081,063
211—	45: 2,080,467		9: 2,081,022		2,080,990	260—	2: 2,080,589		73: 2,080,642		168: 2,080,609
	74: 2,080,865		18: 2,080,781		311: 2,080,957		6: 2,080,558		100: 2,080,489	309—	15: 2,080,705
	120: 2,080,805		40: 2,080,787	250—	9: 2,080,423		2,080,561		130: 2,081,020		33: 2,081,040
	147: 2,080,907		2,080,923		11: 2,080,448		8: 2,080,436	279—	62: 2,080,840		44: 2,080,579
213—	24: 2,080,615	226—	2: 2,081,093		2,080,511		42: 2,080,517	280—	13: 2,081,024		45: 2,080,898
214—	123: 2,080,585		58: 2,081,122		20: 2,080,554		53: 2,080,862		33.4: 2,080,709		46: 2,080,935
	141: 2,080,461		68: 2,080,482		2,080,581		54: Re.20,370		87.5: 2,080,922	311—	95: 2,080,441
215—	40: 2,080,747		86: 2,080,785		2,080,646		99: 2,080,752		96.2: 2,081,045	312—	62: 2,080,891
	46: 2,080,686		129: 2,081,092		27: 2,080,449		108: 2,081,120		106: 2,080,748		163: 2,080,869
	95: 2,080,983	229—	23: 2,080,532		27.5: 2,080,628		123: 2,080,562		124: 2,080,702		178: 2,080,645
216—	54: 2,080,413		80: 2,081,052		2,080,837		124: 2,080,704		2,080,969		
217—	17: 2,080,496	230—	101: 2,080,421		2,080,913		132: 2,080,497		160: 2,080,888		
219—	8: 2,080,791		221: 2,081,025		2,081,125		2,080,498	281—	33: 2,080,591		

U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abelson, L., & Son, New York, N. Y. Mackinaws and lumber jackets, etc. Serial No. 389,861; May 25. Class 39.

Allen, Alfred G., Denver, Colo. Medicated vaginal suppositories. Serial No. 389,297; May 25. Class 6.

Ambassador Textile Corp., Los Angeles, Calif. Swim trunks, swim suits, sweaters, etc. Serial No. 389,706; May 25. Class 39.

American Chemical Paint Company, Ambler, Pa. Liquid emulsifying preparations used in industrial alkaline cleaning baths. Serial No. 379,283; May 25. Class 4.

American Crayon Company, The, doing business as The Sandusky Crayon Co., Sandusky, Ohio. Crayons. Serial No. 383,380; May 25. Class 37.

American Salt Corporation, Chicago, Ill. Butter salt. Serial No. 390,892; May 25. Class 46.

American Silk Label Manufacturing Co., Inc., New York, N. Y. Printed paper labels. Serial No. 389,446; May 25. Class 37.

Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure caps. Serial No. 390,618; May 25. Class 50.

Anemostat Corporation of America, New York, N. Y. Fan driven room ventilators. Serial No. 386,005; May 25. Class 34.

Anti-Bi-San Limited, London, England. Medicines. Serial No. 389,225; May 25. Class 6.

Arnhold & Co., Inc., New York, N. Y. Firecrackers. Serial Nos. 390,430–33; May 25. Class 9.

Artkraft Sign Company, The, Lima, Ohio. Electrical signs. Serial No. 383,156; May 25. Class 21.

Associated Publications, Kansas City, Mo. Annual publication. Serial No. 388,558; May 25. Class 38.

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Whiskey. Serial No. 391,370; May 25. Class 49.

B and B Shoe Company, Chicago, Ill. Children's shoes. Serial No. 383,616; May 25. Class 39.

Barbera, Edward, doing business as Andrew Barbera Co., San Francisco, Calif. Fresh fruits and vegetables, Tokay grapes, etc. Serial No. 389,772; May 25. Class 46.

Barge Electric Shoe Cement Press, Inc., New York, N. Y. Lasts and parts thereof. Serial No. 389,447; May 25. Class 50.

Berliner, Edwin E., & Co., New York, N. Y. Rayon piece goods. Serial No. 360,061; May 25. Class 42.

Blach, J., & Sons, Birmingham, Ala. Men's suits and overcoats. Serial Nos. 390,040–041; May 25. Class 39.

Blackhawk Mfg. Co., Milwaukee, Wis. Automobile jacks. Serial No. 389,632; May 25. Class 23.

Blumenthal, Sidney & Co. Inc., New York, N. Y. Pile fabrics in the piece, etc. Serial No. 380,436; May 25. Class 42.

Borden Company, The, New York, N. Y. Milk food for infants. Serial No. 390,408; May 25. Class 46.

Botany Worsted Mills, Passaic, N. J. Woolen piece goods. Serial No. 390,774; May 25. Class 42.

Boyd-Kelso Milling Co., doing business as Boyd-Kelso Grain & Mlg. Co., Joplin, Mo. Wheat flour. Serial No. 390,305; May 25. Class 46.

Boyle Leather Goods Co. Inc., New York, N. Y. Handbags, pocketbooks, portfolios, etc. Serial No. 390,622; May 25. Class 3.

Bradford Motor Works, Bradford, Pa. Pump valves and plunger fittings. Serial No. 389,637; May 25. Class 23.

Britton, John G., Lansdowne, Pa. Sound absorbent plastic material. Serial No. 390,501; May 25. Class 12.

Broquinda Inc., St. Petersburg, Fla. Refrigerators. Serial No. 388,766; May 25. Class 31.

Brown's Beach Jacket Co., Worcester, Mass. Jackets and vests. Serial No. 390,160; May 25. Class 39.

Canada Dry Ginger Ale, Inc., New York, N. Y. Soft drinks. Serial No. 390,043; May 25. Class 45.

Carolina Co-Operator Publishing Company, Inc., Raleigh, N. C. Periodical. Serial No. 390,623; May 25. Class 38.

Carson, Tillman B., Battle Creek, Mich. Ointment for piles. Serial No. 390,353; May 25. Class 6.

Catholic Digest, Inc., The, St. Paul, Minn. Monthly periodical. Serial No. 387,815; May 25. Class 38.

Certified Core Oil & Manufacturing Co., Chicago, Ill. Core oils. Serial No. 390,544; May 25. Class 15.

Charleston Milling & Produce Company, The, now by change of name Charleston Milling Company, Charleston, W. Va. Wheat flour. Serial No. 375,693; May 25. Class 46.

Chicago Pharmacal Co., Chicago, Ill. Ointment to be used as a dressing for burns, bruises, etc. Serial No. 390,545; May 25. Class 6.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Newspaper column. Serial No. 390,444; May 25. Class 38.

Cleveland Cleaner and Paste Company, The, Cleveland, Ohio. Wall paper cleaner. Serial No. 390,356; May 25. Class 4.

Cochran, John P., Company, The, Cleveland, Ohio. Paint-enamels and varnishes. Serial No. 390,838; May 25. Class 16.

Cohen, Julius, doing business as Ringzene Company, New York, N. Y. Medicated skin ointments. Serial No. 389,233; May 25. Class 6.

Compass Cameras Limited, London, England. Photographic cameras. Serial No. 383,352; May 25. Class 26.

Congoleum-Nairn Inc., Kearny, N. J. Linoleum. Serial No. 391,377; May 25. Class 20.

Constable, Arnold, & Co. Inc., New York, N. Y. Pocketbooks, handbags, brief cases, etc. Serial No. 390,189; May 25. Class 3.

Copper Range Company, Painesdale, Mich. Copper sheet, copper in rolls, copper wire, etc. Serial No. 390,904; May 25. Class 14.

Coronet Clothes, Inc., New York, N. Y. Men's clothing. Serial No. 388,916; May 25. Class 39.

Cummer Products Company, The, Bedford, Ohio. Preparations for cleaning artificial teeth or dentures. Serial No. 390,359; May 25. Class 4.

D-B Laboratories, Houston, Tex. Antiseptic heat powder for prickly heat, etc. Serial No. 390,415; May 25. Class 6.

Dalton Hat Company, Yonkers, N. Y. Men's hats. Serial No. 390,446; May 25. Class 39.

De Armond's Inc., Philadelphia, Pa. Preparations for hair and scalp hygiene. Serial No. 390,311; May 25. Class 6.

De Fornier, Timoléon, Courbevoie, France. Aeromatized liquids for use in seasoning foods. Serial No. 382,247; May 25. Class 46.

Dependon Roofing Company, Chicago, Ill. Thermal insulating material. Serial No. 390,115; May 25. Class 12.

De Wolfe, Elsie, Inc., New York, N. Y. Furniture. Serial No. 389,173; May 25. Class 32.

Diamond Ginger Ale, Inc., Waterbury, Conn. Ale and malt beverages. Serial No. 390,726; May 25. Class 48.

Donnelly Garment Company, Kansas City, Mo. Piece goods of cotton, wool, silk, etc. Serial No. 374,183; May 25. Class 42.

Dothan Oil Mill Company, Dothan, Ala. Cooking oil and peanut butter. Serial No. 390,116; May 25. Class 46.

Dvorman, Benjamin I., doing business as Midwest Products Company, Detroit, Mich. Maltless beverage. Serial No. 386,985; May 25. Class 45.

Edison Bros. Stores, Inc., St. Louis, Mo. Ladies' shoes and hosiery. Serial No. 389,551; May 25. Class 39.

Elder Manufacturing Company, St. Louis, Mo. Cotton pile fabrics. Serial No. 388,128; May 25. Class 42.

Electrical Housekeeping, Inc., Hartford, Conn. Periodicals. Serial No. 386,363; May 25. Class 38.

Electrical Research Laboratories, Inc., Chicago, Ill. Radio and television receiving sets and generating apparatus therefor and parts thereof. Serial No. 373,076; May 25. Class 21.

Elgin National Watch Company, Elgin and Chicago, Ill. Watches, watch movements, and watch cases. Serial No. 390,782; May 25. Class 27.

Eljay Corporation, Chicago, Ill. Hand cream. Serial No. 391,060; May 25. Class 6.

Eppens, Smith Company, Inc., New York, N. Y. Tea. Serial No. 389,059; May 25. Class 46.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Refill leads for mechanical pencils. Serial No. 386,887; May 25. Class 37.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Refill leads for mechanical pencils. Serial No. 388,188; May 25. Class 37.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Fountain pens and parts thereof. Serial No. 389,411; May 25. Class 37.

Firth-Sterling Steel Company, McKeesport, Pa. Metal cutting tools and tool tips, also extrusion and drawing dies. Serial No. 388,263; May 25. Class 23.

Fisk Rubber Corporation, The, Chicopee Falls, Mass. Friction tape and storage batteries. Serial Nos. 384,077–8; May 25. Class 21.

Folsom, H. & D., Arms Co., The, New York, N. Y. Fishing lines. Serial No. 382,825; May 25. Class 22.

Forstner Chain Corporation, Irvington, N. J. Key chains, watch chains, tie holders, etc. Serial No. 390,205; May 25. Class 28.

Friez, Julien P., & Sons, Inc., Baltimore, Md. Temperature and humidity responsive device. Serial No. 375,206; May 25. Class 26.

Friez, Julien P., & Sons, Inc., Baltimore, Md. Instrument for controlling humidity. Serial No. 375,207; May 25. Class 26.

Fritzsche Brothers, Inc., New York, N. Y. Preservatives (not antiseptics) and antioxidants for vegetable and animal fats and oils. Serial No. 390,448; May 25. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Fuller, C. W., New York, N. Y. Toothbrushes. Serial No. 391,419; May 25. Class 29.
Fusco, R., & Bros. Inc., Roselle, N. J. Sportswear. Serial No. 389,459; May 25. Class 39.
Garfield, Isidor Z., doing business as Garfield & Co., New York, N. Y. Seidlitz powders. Serial No. 389,604; May 25. Class 6.
Garford Corporation, The, Marion, Ind. Automobiles. Serial No. 390,207; May 25. Class 19.
Gifford Pharmaceutical Company, Inc., New York, N. Y. Medicine for acidosis. Serial No. 390,514; May 25. Class 6.
Gifford Pharmaceutical Company, Inc., New York, N. Y. Medicine for the bile tract. Serial No. 390,515; May 25. Class 6.
Gladdy Dress Corp., New York, N. Y. Ladies' and misses' dresses, coats, and suits. Serial No. 390,910; May 25. Class 39.
Globe Trading Co. (See Rosenberg, Dore.)
Goldberg, Abraham G., doing business as International Manufacturing Company, Boston, Mass. Luggage carriers for bicycles. Serial No. 390,786; May 25. Class 3.
Golf-T-Flex Company, New York, N. Y. Golf tees. Serial No. 390,646; May 25. Class 22.
Goodman, A., & Sons, Inc., New York, N. Y. Macaroni, spaghetti, noodles. Serial No. 390,517; May 25. Class 46.
Gospel Trumpet Company, Anderson, Ind. Greeting cards. Serial No. 382,742; May 25. Class 38.
Grocery Products Manufacturing Corporation, New York, N. Y. Canned mushrooms. Serial No. 387,125; May 25. Class 46.
Gross, A., Candle Company, Inc., Baltimore, Md. Candles, votive, sanctuary, and tabernacle lights. Serial No. 390,449; May 25. Class 15.
Guastavino, R., Company, Boston, Mass. Artificial stone. Serial No. 390,121; May 25. Class 12.
Halfin, Gates A., doing business as National Pet Supply Co. and National Pet Shop, St. Louis, Mo. Bird seed. Serial No. 390,735; May 25. Class 46.
Hamilton, Robert W., New York, N. Y. Ladies' dresses of silk, cotton, or wool. Serial No. 390,209; May 25. Class 39.
Hammer-Bray Company, Ltd., Oakland, Calif. Grid regulator for stove broilers. Serial No. 370,181; May 25. Class 34.
Hampton Cracker Company, Inc., The, doing business as Honor Maid Bakers, Louisville, Ky. Soda, graham, and other crackers. Serial No. 389,608; May 25. Class 46.
Hap's Bait Company. (See Heitkamp, Orville A.)
Hartz Mountain Products Inc., New York, N. Y. Bird food. Serial No. 390,451; May 25. Class 46.
Hat Corporation of America, Norwalk, Conn. Hats for men and women. Serial No. 390,271; May 25. Class 39.
Hat Corporation of America, Norwalk, Conn. Ladies' hats. Serial No. 390,272; May 25. Class 39.
Hearn Department Stores, Inc., New York, N. Y. Brandy. Serial No. 391,575; May 25. Class 49.
Hearst Publications, Incorporated, San Francisco, Calif. Column of racing news and comment. Serial No. 390,765; May 25. Class 38.
Heitkamp, Orville A., doing business as Hap's Bait Company, Boone, Iowa. Fish bait. Serial No. 391,220; May 25. Class 22.
Hercules Powder Company, Wilmington, Del. Flotation reagent for ores or minerals. Serial No. 391,005; May 25. Class 6.
Herron, Clinton J., doing business as The "Holds-Um" Co., Royal Oak, Mich. Adhesive cement. Serial No. 356,904; May 25. Class 5.
Hildebrand Kakao und Schokoladenfabrik G. m. b. H., Berlin, Germany. Cocoa, chocolate, and pralines. Serial No. 387,278; May 25. Class 46.
Hill-Independent Mfg. Co., Germantown, Philadelphia, Pa. Hand stamps. Serial Nos. 390,595–6; May 25. Class 37.
"Holds-Um" Co., The. (See Herron, Clinton J.)
Holmes-Weaver Company, Holland, Mich. Antiseptic. Serial No. 388,447; May 25. Class 6.
Holt, James H., doing business as Preacher's Liniment Company, Blytheville, Ark. Liniment. Serial No. 389,359; May 25. Class 6.
Honor Maid Bakers. (See Hampton Cracker Company, Inc., The.)
Hope Hosiery Mills. (See Stork, Homer L.)
Houston Milling Company, Houston, Tex. Wheat flour. Serial No. 390,067; May 25. Class 46.
Independent Merchandising Corp., New York, N. Y. Blankets. Serial No. 390,214; May 25. Class 42.
Independent Merchandising Corp., New York, N. Y. Cotton piece goods. Serial No. 390,215; May 25. Class 42.
International Manufacturing Company. (See Goldberg, Abraham G.)
John, B. P., Furniture Corporation, Portland, Oreg. Bedroom, dining room, and living room furniture. Serial No. 380,710; May 25. Class 32.
Junior Joy Corporation, Hammond, Ind. Velocipedes. Serial No. 390,790; May 25. Class 22.
Kasko Distillers Products Corp., Philadelphia, Pa. Whiskey. Serial No. 391,225; May 25. Class 49.
Kassel, L. H., & Co., doing business as L. H. Kassel Manufacturing Co., Fort Worth, Tex. Powdered borax. Serial No. 391,073; May 25. Class 6.
Kent Remedies, Inc., Brooklyn, N. Y. Stomach preparation. Serial No. 390,323; May 25. Class 6.
Kent Remedies, Inc., Brooklyn, N. Y. Cough medicine. Serial No. 390,324; May 25. Class 6.
Kent, Roger, Inc., New York, N. Y., and New Haven, Conn. Men's clothing. Serial No. 391,023–4; May 25. Class 39.
Kingsboro Silk Mills, Inc., Gloversville, N. Y. Knitted vests, panties, and pajamas. Serial No. 388,194; May 25. Class 39.
Kinney, G. R., Co., Inc., New York, N. Y. Shoes and hosiery. Serial No. 387,830; May 25. Class 39.
Kraut & Dohnal, Chicago, Ill. Beauty products. Serial No. 388,097; May 25. Class 6.
Kurlash Company, The, Inc., Rochester, N. Y. Eyelash mascara and eyelash mascara refills. Serial No. 378,209; May 25. Class 6.
Kwikbred Flour Company, Philadelphia, Pa. Processed wheat flour and bread made from the same. Serial No. 391,026; May 25. Class 46.
La Face, Retha M., Spokane, Wash. Noodle compound similar to potato chips. Serial No. 390,372; May 25. Class 46.
Laucks, I. F., Inc., Seattle, Wash. Spactling compound. Serial No. 389,521; May 25. Class 12.
Laucks, I. F., Inc., Seattle, Wash. Cold water paints and calcimines. Serial No. 391,132; May 25. Class 16.
Laucks, I. F., Inc., Seattle, Wash. Under or priming coat for wood, etc., and for a filler, sealer, etc. Serial No. 391,278; May 25. Class 16.
Laughlin, Homer, China Company, The, Newell, W. Va. Earthenware for table service. Serial No. 390,298; May 25. Class 30.
Lentheric, Incorporated, New York, N. Y. Face powders. Serial No. 391,008; May 25. Class 6.
Lentheric, Incorporated, New York, N. Y. Lipsticks and rouges. Serial No. 391,009; May 25. Class 6.
Liberty Distributors, Inc., Dundalk, Md. Pure rye whiskey. Serial No. 391,367; May 25. Class 49.
Lifto Company, The. (See Orlandi, Leslie C.)
Lilienthal, Felix & Co. Inc., New York, N. Y. Silk and rayon piece goods. Serial No. 390,220; May 25. Class 42.
Liquor Dealers Supply Co., Chicago, Ill. Rock and rum liqueur, peach liqueur, rock and rye liqueur, etc. Serial No. 391,232; May 25. Class 49.
Liquor Dealers Supply Co., Chicago, Ill. Blended Scotch type whiskey. Serial No. 391,233; May 25. Class 49.
Liquor Dealers Supply Co., Chicago, Ill. Apricot liqueur, rock and rum liqueur, rock and rye liqueur, etc. Serial No. 391,392; May 25. Class 49.
Little, A. P., Inc., Rochester, N. Y. Typewriter ribbons. Serial No. 390,855; May 25. Class 11.
Los Angeles Soap Co., Los Angeles, Calif. Granulated soap for laundry purposes. Serial No. 388,787; May 25. Class 4.
Lowe, Joe, Corporation, New York, N. Y. Fancy cakes made from doughnut flour. Serial No. 390,420; May 25. Class 46.
Lowenstein, M., & Sons, Inc., New York, N. Y. Piece goods of linen, cotton, linen and cotton, etc. Serial No. 389,834; May 25. Class 42.
Lytle, Leroy H., Alliance, Ohio. Thread protectors. Serial No. 389,362; May 25. Class 13.
Marbon Corporation, Chicago, Ill. Dielectric tubes, dielectric sheets, and condensers. Serial No. 390,793; May 25. Class 21.
Marcalus Manufacturing Co., Inc., Elizabeth, N. J. Waxed paper. Serial No. 390,329; May 25. Class 37.
Marcy Laboratories Inc., New York, N. Y. Cholagogue and liver medicine. Serial No. 389,465; May 25. Class 6.
Margolin, A., & Bros. Inc., New York, N. Y. Textile fabrics. Serial No. 389,612; May 25. Class 42.
Markwell Manufacturing Company, Inc., New York, N. Y. Staples. Serial No. 390,766; May 25. Class 13.
Martin Brothers Company, Minneapolis, Minn. Children's clothing, etc. Serial No. 390,602; May 25. Class 39.
McCullough, Mary R., Chattanooga, Tenn. Beverages sold as soft drinks and sirups and extracts for making the same. Serial No. 390,736; May 25. Class 45.
McDavid Citrus Packing Co. (See McKellips, C. H.)
McDonald, George L., doing business as O-Poi-Zo Laboratory, Paragould, Ark. Ointment. Serial No. 388,482; May 25. Class 6.
McKellips, C. H., doing business as McDavid Citrus Packing Co., Mesa, Ariz. Fresh citrus fruit. Serial No. 384,969; May 25. Class 46.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Germicide and antiseptic. Serial No. 391,188; May 25. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Menard, Charles, doing business as National Pest-Patrol Products, San Francisco, Calif. Insecticides and rodent exterminator. Serial No. 376,058; May 25. Class 6.
Micromatic Hone Corporation, Detroit, Mich. Apparatus for aligning blocks to be machined. Serial No. 382,986; May 25. Class 26.
Midwest Products Company. (See Dvorman, Benjamin I.)
Miller Products, Inc., Attica, Ind. Cleaning preparation for painted surfaces, rugs, etc. Serial No. 390,463; May 25. Class 4.
Millman, Abe, & Weinstock, Brooklyn, N. Y. Beachwear consisting of play suits, shorts for outer wear, etc. Serial No. 388,991; May 25. Class 39.
Modern Manufacturing Co., Inc., New York, N. Y. Dresses, aprons, hooverettes, etc. Serial No. 388,140; May 25. Class 39.
Murrow & Galfield, Inc., Chicago, Ill. Ladies' coats. Serial No. 390,095; May 25. Class 39.
National Astrology Magazine, Inc., New York, N. Y. Periodical. Serial No. 390,738; May 25. Class 38.
National Broadcasting Company, Inc., New York, N. Y. Sound records. Serial Nos. 391,031–2; May 25. Class 36.
National NuGrape Co., Atlanta, Ga. Maltless beverages, and syrups, extracts, and flavors for same. Serial No. 389,844; May 25. Class 45.
National Pest-Patrol Products. (See Menard, Charles.)
National Pet Supply Co. (See Halfin, Gates A.)
Natural Apple Juice Co., Inc., New York, N. Y. Non-alcoholic beverages. Serial No. 386,903; May 25. Class 45.
Neva-Wet Corporation of America, Inc., New York, N. Y. Processing fluids for treating laundered articles. Serial No. 391,034; May 25. Class 6.
Noskrape Laboratories, Incorporated, Chicago, Ill. Detergents for use in cleaning terrazzo, terra cotta, etc. Serial No. 384,265; May 25. Class 4.
Onyx Oil & Chemical Co., Jersey City, N. J. Preparation for application to synthetic fabrics, cotton fabrics, etc. Serial No. 390,331; May 25. Class 6.
O-Poi-Zo Laboratory. (See McDonald, George L.)
Orlandi, Leslie C., doing business as The Lifto Company, San Francisco, Calif. Maltless soft drinks. Serial No. 390,557; May 25. Class 45.
Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, sachets, etc. Serial No. 390,147; May 25. Class 6.
Parke, Davis & Company, Detroit, Mich. Medicinal preparation of mandelic acid granular effervescent salt. Serial No. 390,376; May 25. Class 6.
Peck-O-Fun Co., Chicago, Ill. Confection. Serial No. 374,902; May 25. Class 46.
Pennland Distributing Corp., New York, N. Y. Whiskey. Serial No. 389,746; May 25. Class 49.
Pieringer, Hanny, Forest Hills, N. Y. Women's and children's dresses. Serial No. 389,619; May 25. Class 39.
Plaut, Herman, New York, N. Y. Artificial flowers. Serial No. 388,593–4; May 25. Class 40.
Preacher's Liniment Company. (See Holt, James H.)
Puritan Soap Company, Rochester, N. Y. Polishing wax. Serial No. 391,397; May 25. Class 16.
Record Watch Co. S. A., Geneva, Switzerland. Watches and clocks and parts thereof. Serial No. 389,475; May 25. Class 27.
Redlands Orangedale Association, Redlands, Calif. Fresh citrus fruit. Serial No. 390,607; May 25. Class 46.
Redskin Products Company, Incorporated, Baltimore, Md. Effective and soothing lotion. Serial No. 387,924; May 25. Class 6.
Registry of Medical Technologists, Denver, Colo. Periodical publication. Serial No. 385,007; May 25. Class 38.
Rexair, Inc., Detroit, Mich. Garment receptacle. Serial No. 388,513; May 25. Class 2.
Richmond Coca-Cola Bottling Works, Inc., Richmond, Va. Maltless beverages. Serial No. 390,709; May 25. Class 45.
Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y. Packages of grease-proof and waxed wrapping paper. Serial No. 389,963; May 25. Class 37.
Ringzene Company. (See Cohen, Julius.)
Roberts Tube Works, Inc., Detroit, Mich. Metal tubing. Serial No. 388,024; May 25. Class 13.
Rogers Peet Company, New York, N. Y. Men's outer suits. Serial No. 390,710; May 25. Class 39.
Rogers Peet Company, New York, N. Y. Men's and boys' outer suits and overcoats. Serial Nos. 390,711–712; May 25. Class 39.
Rosenberg, Dore, doing business as Globe Trading Co., New York, N. Y. Watch crystals. Serial No. 385,657; May 25. Class 33.
Roth Fabrics Corporation, New York, N. Y. Silk and artificial silk fabrics in the piece. Serial No. 390,713; May 25. Class 42.
Rubens & Marble, Incorporated, Chicago, Ill. Infants' garments and particularly infants' shirts. Serial No. 390,887; May 25. Class 39.
Sandusky Crayon Co., The. (See American Crayon Company, The.)
Schieffelin & Co., New York, N. Y. Brandy. Serial No. 389,573; May 25. Class 49.
Scholl Mfg. Co. Inc., The, New York, N. Y., and Chicago, Ill. Foot lotion, corn salve, foot balm, etc. Serial No. 366,441; May 25. Class 6.
Schwab, David E., & Co., New York, N. Y. Bracelet with handkerchief attached. Serial No. 386,274; May 25. Class 28.
Schwarz, E., Company, New York, N. Y. Cotton piece goods. Serial No. 388,026; May 25. Class 42.
Shedd Products Company, Detroit, Mich. Salad dressing. Serial No. 390,472; May 25. Class 46.
Sherwin-Williams Co., The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. Serial No. 390,812; May 25. Class 16.
Siegel, D., Co., New York, N. Y. Men's overcoats, raincoats, etc. Serial No. 390,676; May 25. Class 39.
Simpson, Wm., Sons & Co., Philadelphia, Pa. Cotton goods in the piece. Serial No. 390,384; May 25. Class 42.
Singer, Bronstein & Wax, Inc., New York, N. Y. Ladies' manufactured fur coats. Serial No. 389,268; May 25. Class 39.
Sleetex Company, Inc., The, New York, N. Y. Vehicle windshield wiper blades. Serial No. 390,714; May 25. Class 19.
Smith, Howard E., Englewood, N. J. Lacquers and paint enamels. Serial No. 388,549; May 25. Class 16.
Smith, Kenneth, Lenexa, Kans. Golf clubs and parts thereof. Serial No. 391,194; May 25. Class 22.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax derived from petroleum. Serial No. 390,754; May 25. Class 15.
Squibb, E. R., & Sons, New York, N. Y. Laxatives. Serial No. 390,565; May 25. Class 6.
Stanco Incorporated, New York, N. Y. Insecticides and fungicides. Serial No. 390,283; May 25. Class 6.
Standard Cloak and Suit Co., Seattle, Wash. Women's coats, cloaks, suits, etc. Serial No. 388,689; May 25. Class 39.
Standard Oil Company of New Jersey, Wilmington, Del. Paraffin wax. Serial No. 390,476; May 25. Class 15.
Standard Radio Corporation, Belleville, N. J. Electron tubes. Serial No. 386,381; May 25. Class 21.
State Tuberculosis Sanatorium, Sanatorium, Tex. Official monthly health bulletin. Serial No. 387,647; May 25. Class 38.
Stim-O-Vac Manufacturing Co., Oklahoma City, Okla. Vacuum massage device. Serial No. 389,622; May 25. Class 44.
Stork, Homer L., doing business as Hope Hosiery Mills, Adamstown, Pa. Hosiery. Serial No. 389,960; May 25. Class 39.
Sussman & Feldman, New York, N. Y. Women's and misses' coats and suits. Serial No. 390,755; May 25. Class 39.
Susu Nut Co., The, Chicago, Ill. Coated and uncoated nut meats, and candies. Serial Nos. 380,533–4; May 25. Class 46.
Swedish Iron & Steel Corporation, New York, N. Y. Iron. Serial No. 389,961; May 25. Class 14.
Teleradio Engineering Corporation, New York, N. Y. Radio frequency coils, intermediate frequency transformers, electric relays. Serial No. 355,990; May 25. Class 21.
Trion Company, The, Trion, Ga. Work gloves and mittens. Serial No. 390,253; May 25. Class 39.
Tucker, Tom, Beverage Company, Pittsburgh, Pa. Beverages and syrups and extracts used in making the same. Serial No. 389,702; May 25. Class 45.
United States Gypsum Company, Chicago, Ill. Calcimine. Serial No. 390,874; May 25. Class 16.
United States Rubber Products, Inc., New York, N. Y. Rubber lined metal pipe and pipe fittings. Serial No. 389,624; May 25. Class 13.
United States Rubber Products, Inc., New York, N. Y. Swimming or bathing devices. Serial No. 391,044; May 25. Class 22.
U. S. Slicing Machine Company, La Porte, Ind. Slicing machines. Serial No. 380,932; May 25. Class 23.
Upjohn Company, The, Kalamazoo, Mich. Enteric coating for medicinal substances and preparations. Serial No. 389,279; May 25. Class 6.
Vadsco Sales Corporation, Long Island City, N. Y. Astringents, astringent cerates, beauty creams, etc. Serial No. 388,693; May 25. Class 6.
Variety Vacuum Cleaner Co., Inc., Newark, N. J. Suction-cleaner attachments. Serial No. 390,978; May 25. Class 23.
Venice Maid Co. Inc., Vineland, N. J. Spaghetti sauce. Serial No. 381,923; May 25. Class 46.
Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Maltless soft drinks and concentrates for making same. Serial No. 390,877; May 25. Class 45.
Vita-Var Corp., Newark, N. J. Paints, varnish, and paint enamels. Serial No. 389,949; May 25. Class 16.
W. I. B. Co., Chicago, Ill. Preparation for treating woods to lighten the color, etc. Serial No. 375,738; May 25. Class 6.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. Serial Nos. 391,157–62; May 25. Class 49.
Wamsutta Mills, New Bedford, Mass. Garments for infants' and children's wear, etc. Serial No. 390,335; May 25. Class 39.
Wanamaker, John, New York, New York, N. Y. Hollow plated silverware. Serial No. 390,426; May 25. Class 28.
Warren Baking Company, Warren Borough, Pa. Cookies. Serial No. 389,580; May 25. Class 46.
Waterbury Clock Company, The, Waterbury, Conn. Watches. Serial Nos. 391,163–4; May 25. Class 27.
Watkins, R. L., Company, The, New York, N. Y. Sunburn preventative. Serial No. 390,391; May 25. Class 6.
West Coast Plywood Company, Aberdeen, Wash. Plywood, wallboard, and doors. Serial No. 387,154; May 25. Class 12.
Wisconsin Cheese Publicity Association, Inc., Kiel, Wis. Cheese. Serial No. 382,543; May 25. Class 46.
Wood Shovel and Tool Company, The, Piqua, Ohio. Shovels, spades, and scoops. Serial Nos. 390,980–82; May 25. Class 23.
Woodhouse & Co. Ltd., New York, N. Y. Bedroom suites. Serial No. 388,521; May 25. Class 32.
World Letters Incorporated, East Aurora, N. Y. Publication. Serial No. 390,762; May 25. Class 38.
Worthington, Geo., Company, The, Cleveland, Ohio. Bicycles and bicycle frames, forks, handle bars, etc. Serial No. 382,191; May 25. Class 19.
Yeckes Bros., Inc., New York, N. Y. Fresh vegetables, fresh deciduous fruits, and fresh citrus fruits. Serial No. 376,111; May 25. Class 46.
Yuma Mesa Fruit Growers Assn., Yuma, Ariz. Fresh citrus fruit. Serial No. 390,397; May 25. Class 46.
Ziv Steel & Wire Co., Chicago, Ill. Tool, hobbing, and die steel and iron. Serial No. 390,338; May 25. Class 14.

LIST OF REGISTRANTS OF TRADE-MARKS

A—B—C Manufacturing Co. (See Ehart, Joseph A. S.)
Abercrombie & Fitch Company, New York, N. Y. Basins and water-buckets, friction-top cans, drinking flasks, etc. 346,370; May 25; Serial No. 386,137; published Mar. 16, 1937. Class 2.
Abercrombie & Fitch Company, New York, N. Y. Rucksacks, duffle bags, carryalls, etc. 346,371; May 25; Serial No. 386,138; published Mar. 16, 1937. Class 3.
Abercrombie & Fitch Company, New York, N. Y. Suits, coats, vests, etc. 346,373; May 25; Serial No. 386,141; published Mar. 16, 1937. Class 39.
Abercrombie & Fitch Company, New York, N. Y. Ash trays, cigar and tobacco humidors, pipes, etc. 346,372; May 25; Serial No. 386,139; published Mar. 16, 1937. Class 8.
Airpak Limited, London, England. Kapok. 346,420; May 25; Serial No. 387,692; published Mar. 16, 1937. Class 1.
Alligator Company, The, St. Louis, Mo. Gabardine topcoats. 346,414; May 25; Serial No. 387,486; published Mar. 16, 1937. Class 39.
Alox Manufacturing Company. (See Frier, John.)
Always Dry Processing Corporation. (See Klein, Phil, assignor.)
American Bemberg Corporation, New York, N. Y. Thread and yarn. 346,325; May 25; Serial No. 373,478; published Mar. 16, 1937. Class 43.
American Brakeblok Corporation, New York, N. Y., and Detroit, Mich. Frictional elements for brakes and clutches, and fan belts, etc. 346,360; May 25; Serial No. 385,503; published Mar. 16, 1937. Class 35.
American Chicle Company, Long Island City, N. Y. Chewing gum. 346,440; May 25; Serial No. 387,934; published Mar. 16, 1937. Class 46.
Anciens Etablissements A. Combe & Fils & Cie., to Anciens Etablissements A. Combe & Fils & Cie, Paris, France. Leathers and skins. 118,459; renewed Sept. 11, 1937.
Apollo Shirt Company, New York, N. Y. Dress, work, and under shirts. 346,476; May 25. Class 39.
Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. 346,327; May 25; Serial No. 374,394; published Mar. 16, 1937. Class 39.
Ashby Chemical Company. (See Balyeat, Ray M.)
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 346,450; May 25; Serial No. 388,082; published Mar. 16, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 346,451–3; May 25; Serial Nos. 388,084–6; published Mar. 16, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 346,454; May 25; Serial No. 388,088; published Mar. 16, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. cigarettes. 346,466; May 25; Serial No. 388,302; published Mar. 16, 1937. Class 17.
Bakelite Corporation, New York, N. Y. Abrasive implements. 346,326; May 25; Serial No. 373,516; published Mar. 9, 1937. Class 4.
Balyeat, Ray M., doing business as Ashby Chemical Company, Oklahoma City, Okla. Atomizers, vaporizers, and nebulizers. 346,416; May 25; Serial No. 387,537; published Mar. 16, 1937. Class 44.
Barmon Brothers Company Inc., Buffalo, N. Y. Frocks, dresses, smocks, etc. 346,351; May 25; Serial No. 384,989; published Mar. 16, 1937. Class 39.
Bassick Company, The, Bridgeport, Conn. Furniture caster wheels. 346,392; May 25; Serial No. 387,104; published Mar. 16, 1937. Class 13.
Bay State Milling Company, Winona, Minn. Wheat flour. 346,384; May 25; Serial No. 386,629; published Mar. 9, 1937. Class 46.
Bethlehem Steel Company, Bethlehem, Pa. Zinc coated wire. 346,374; May 25; Serial No. 386,145; published Mar. 16, 1937. Class 14.
Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Woven textile rugs and carpets. 346,404; May 25; Serial No. 387,265; published Mar. 16, 1937. Class 42.
Bird & Son, Inc., East Walpole, Mass. Floor covering. 346,442; May 25; Serial No. 387,974; published Mar. 16, 1937. Class 20.
Birdsey Flour Mills. (See Modern Flour Mills.)
Black Diamond Paint & Varnish Works, Inc., The, Cincinnati, Ohio. Belt dressings. 346,410; May 25; Serial No. 387,430; published Mar. 9, 1937. Class 4.
Brooks Brothers, New York, N. Y. Men's collars. 346,421; May 25; Serial No. 387,699; published Mar. 16, 1937. Class 39.
Burton Brothers & Co. Inc., New York, N. Y. Cotton piece goods. 346,433–4; May 25; Serial Nos. 387,858–9; published Mar. 16, 1937. Class 42.
Carioca Enterprises Corporation, New York, N. Y. Cigarettes and cigars. 346,383; May 25; Serial No. 386,632; published Mar. 16, 1937. Class 17.
Carvin Bottle Cap Corporation, Brooklyn, N. Y. Caps, crowns, covers for containers, etc. 346,408; May 25; Serial No. 387,373; published Mar. 16, 1937. Class 50.
Cerecedo, J. H., doing business as J. H. Cerecedo Co., Chicago, Ill. Rum. 346,350; May 25; Serial No. 384,785; published Mar. 16, 1937. Class 49.
Certain-teed Products Corporation. (See General Roofing Manufacturing Company, assignor.)
Citrus Products Inc., Los Angeles, Calif. Canned citrus juices. 346,377; May 25; Serial No. 386,848; published Mar. 16, 1937. Class 46.
Coddon, L. D., & Bros., Inc., St. Paul, Minn. Suits and overcoats. 346,493; May 25. Class 39.
Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and silk piece goods. 346,398; May 25; Serial No. 387,174; published Mar. 16, 1937. Class 42.
Colony Dress Shop. (See Zwingenberger, Paula.)
Colorbrite Textiles, Inc., New York, N. Y. Cotton bath mats and toilet-seat cotton lid covers. 346,349; May 25; Serial No. 384,729; published Mar. 16, 1937. Class 42.
Columbia Fruit Products Company, Brocton, N. Y. Alcoholic cider. 346,480; May 25. Class 47.
Comex Trading Company Incorporated, New York, N. Y. Wines. 346,340; May 25; Serial No. 383,124; published Mar. 16, 1937. Class 47.
Concordade Co., Inc., Providence, R. I. Beverage, and sirup and extract for making the same. 346,468; May 25. Class 45.
Conrad Page Corporation, Washington, D. C. Brandy 346,490; May 25. Class 49.
Coronet Phosphate Company, New York, N. Y. Pebble phosphate. 116,602; renewed May 15, 1937.
Cosby-Hodges Milling Co. Inc., Birmingham, Ala. Wheat flour. 346,473; May 25. Class 46.
Crocetta Bros. & Co., Inc., Gloversville, N. Y. Leather gloves. 346,455; May 25; Serial No. 388,090; published Mar. 16, 1937. Class 39.
Crocetta Bros. & Co., Inc., Gloversville, N. Y. Leather gloves. 346,463; May 25; Serial No. 388,185; published Mar. 16, 1937. Class 39.
Crown Luggage Co. (See Neumann, Jacob.)
Daily Mirror, Inc., New York, N. Y. Newspaper section. 346,393; May 25; Serial No. 387,117; published Mar. 9, 1937. Class 38.
Davega-City Radio, Inc., New York, N. Y. Bathing suits. 346,447; May 25; Serial No. 388,049; published Mar. 16, 1937. Class 39.
Davis & Geck, Inc., Brooklyn, N. Y. Surgical needles. 346,339; May 25; Serial No. 382,378; published Mar. 16, 1937. Class 44.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Polymerized derivative of methacrylic acid. 346,443; May 25; Serial No. 387,991; published Mar. 16, 1937. Class 1.

E-Z-E Shave Manufacturing Co. (See Fusco, Nicola.)
East Tennessee Packing Company, Knoxville, Tenn. Smoked cured hams, breakfast bacon, bologna, etc. 346,356; May 25; Serial No. 385,139; published Mar. 16, 1937. Class 46.
Eaton Paper Corporation, Pittsfield, Mass. Stationery. 346,386; May 25; Serial No. 386,582; published Mar. 16, 1937. Class 37.
Ehart, Joseph A. S., doing business as A—B—C Manufacturing Co., Quincy, Ill. Metal joint sealing rings. 346,487; May 25. Class 13.
Elma Products Company, Norwalk, Conn. Vehicle electric directional signals and vehicle electric lamps and lights. 346,367; May 25; Serial No. 385,957; published Mar. 16, 1937. Class 21.
Evans Case Company, North Attleboro, Mass. Ladies' handbags. 346,475; May 25. Class 3.
Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus and marksmanship practicing apparatus. 346,436; May 25; Serial No. 387,891; published Mar. 16, 1937. Class 22.
Exhibit Supply Company, Chicago, Ill. Coin-controlled vending machines. 346,437; May 25; Serial No. 387,892; published Mar. 16, 1937. Class 23.
Faith Mills, Inc., Averill Park, N. Y. Knitted undershirts, drawers, union suits, etc. 346,444; May 25; Serial No. 387,995; published Mar. 16, 1937. Class 39.
Farm Service Stores, Inc., Minneapolis, Minn. Binder twine. 346,438; May 25; Serial No. 387,893; published Mar. 16, 1937. Class 7.
Fay Company. (See Kent, Fay T.)
Fehr, Frank, Brewing Co., Incorporated, Louisville, Ky. Ale. 346,431; May 25; Serial No. 387,824; published Mar. 16, 1937. Class 48.
Firth Carpet Co., The, New York, N. Y. Carpets and rugs. 346,405–6; May 25; Serial Nos. 387,317–8; published Mar. 16, 1937. Class 42.
Fishlove, H., & Co., Chicago, Ill. Imitation sausages made of some non-edible material. 346,357; May 25; Serial No. 385,221; published Mar. 16, 1937. Class 22.
Foderingham, Allan F., doing business as La Fodham's Product Co., Brooklyn, N. Y. Beverage. 346,412; May 25; Serial No. 387,463; published Mar. 16, 1937. Class 45.
Ford Motor Sales Company, Dearborn and Highland Park, Mich. Passenger automobiles and motor trucks. 346,332; May 25; Serial No. 381,156; published Mar. 16, 1937. Class 19.
Frankel, B., Co., Inc., The, New York, N. Y. Non-electrical hair wavers. 346,391; May 25; Serial No. 387,063; published Mar. 16, 1937. Class 40.
Frier, John, doing business as Alox Manufacturing Company, Wellston, Mo. Kites. 346,355; May 25; Serial No. 385,109; published Mar. 16, 1937. Class 22.
Frigorifico Nacional of Montevideo, Montevideo, Uruguay. Canned meats, stewed tripe, tomato pulp, etc. 346,344; May 25; Serial No. 383,679; published Mar. 16, 1937. Class 46.
Fruhman, Sidney, Dallas, Tex. Women's straw hats and felt hats of all styles. 346,337; May 25; Serial No. 381,806; published Mar. 16, 1937. Class 39.
Fusco, Nicola, doing business as E-Z-E Shave Manufacturing Co., Brooklyn, N. Y. Beard softener for shaving. 346,342; May 25; Serial No. 383,502; published Mar. 16, 1937. Class 4.
Gay Games, Incorporated, Muncie, Ind. Jar and board games. 346,397; May 25; Serial No. 387,161; published Mar. 16, 1937. Class 22.
General Roofing Manufacturing Company, East St. Louis, Ill., assignor to Certain-teed Products Corporation, New York, N. Y. Wood-preservatives and creosote shingle-stains. 116,515; renewed May 8, 1937.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Film, sheet or strip for wrapping, packaging, and covering. 346,387; May 25; Serial No. 386,539; published Mar. 16, 1937. Class 50.
Gordon-Allen Ltd., Oakland, Calif. Clothes washing soap. 346,323; May 25; Serial No. 366,096; published Mar. 9, 1937. Class 4.
Grace, W. R., & Co., New York, N. Y. Linseed-oil and ready-mixed paints. 116,427; renewed May 1, 1937.
Grant, William, & Sons Limited, Dufftown, Scotland. Blended Scotch whisky. 346,426; May 25; Serial No. 387,744; published Mar. 16, 1937. Class 49.
Graves, C. H., and Sons Company, Boston, Mass. Whiskey. 346,415; May 25; Serial No. 387,501; published Mar. 16, 1937. Class 49.
Gray, Marion R., doing business as Marion R. Gray Company, Los Angeles, Calif. Shirts, neckties or cravats, collars, etc. 346,411; May 25; Serial No. 387,448; published Mar. 16, 1937. Class 39.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Coffee. 346,430; May 25; Serial No. 387,811; published Mar. 9, 1937. Class 46.
Green, Charles, doing business as Charles Green Sales Company, New York, N. Y. Razor blades. 346,328; May 25; Serial No. 374,884; published Apr. 7, 1936. Class 23.
Greenberg, Samuel, doing business as Lorraine Pipe Shop, New York, N. Y. Packages and tins of smoking tobacco. 346,419; May 25; Serial No. 387,669; published Mar. 16, 1937. Class 17.
Greenpoint Metallic Bed Company, Inc., Brooklyn, N. Y. Bed springs and mattresses. 346,380; May 25; Serial No. 386,708; published Mar. 16, 1937. Class 32.
Harris, Phil H., New York, N. Y. Watch fobs and buttons, made of leather. 346,478; May 25. Class 40.
Hartman Beverage Company, Knoxville, Tenn. Beverages and sirups and extracts for making the same. 346,470; May 25. Class 45.
Hedisco Company. (See Linton, Ulle C.)
Heresite & Chemical Company, Manitowoc, Wis. Molding powders and plastic and synthetic resinous materials. 346,347; May 25; Serial No. 384,660; published Mar. 16, 1937. Class 1.
Hexagon Sewing Machine Company, New York, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machines, parts thereof. 117,141–4; renewed June 19, 1937.
Hexagon Sewing Machine Company, New York, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machines, parts thereof, and certain named attachments therefor. 118,661–2; renewed Sept. 25, 1937.
Hillsboro-Queen Anne Cooperativ Corporation, Baltimore, Md. Canned vegetables. 346,388; May 25; Serial No. 386,490; published Mar. 16, 1937. Class 46.
Hobby Shoe Company. (See McQuillen, Roy M.)
Hollywood Amusement Company, Inc., Chicago, Ill. Cards. 346,390; May 25; Serial No. 386,210; published Mar. 16, 1937. Class 22.
Hudson, J. L., Company, The, Detroit, Mich. Suits, trousers, knickers, etc. 346,485–6; May 25. Class 39.
Indestro Manufacturing Corp., Chicago, Ill. Wrenches. 346,439; May 25; Serial No. 387,905; published Mar. 16, 1937. Class 23.
Inspecto Company of America. (See Jorgensen, James M.)
International Shoe Co., St. Louis, Mo. Boots and shoes. 346,338; May 25; Serial No. 382,223; published Mar. 16, 1937. Class 39.
Jackson, E. O., Distilling Co., Chicago, Ill. Whiskey, gin, and cordials. 346,348; May 25; Serial No. 384,686; published Mar. 16, 1937. Class 49.
Jorgensen, James M., doing business as Inspecto Company of America, Los Angeles, Calif. Cleaner for web or canvas equipment. 346,363; May 25; Serial No. 385,792; published Mar. 9, 1937. Class 4.
Joyce-Cridland Co., The, Dayton, Ohio. Lifting mechanism. 346,394; May 25; Serial No. 387,131; published Mar. 16, 1937. Class 23.
Kabin Koach Company, East Detroit, Mich. Trailers. 346,379; May 25; Serial No. 386,731; published Mar. 16, 1937. Class 19.
Kabushiki-Kaisha Itami Seijusho, Itami, Itami-cho, Kawabe-gun, prefecture of Hyogo, Japan. Woollen textile fabrics. 346,401; May 25; Serial No. 387,246; published Mar. 16, 1937. Class 42.
Kayser, Julius, & Co., New York, N. Y. Ladies' underwear. 346,457; May 25; Serial No. 388,137; published Mar. 16, 1937. Class 39.
Kent, Fay T., doing business as Fay Company, New York, N. Y. Electric floor machines. 346,343; May 25; Serial No. 383,630; published Mar. 16, 1937. Class 21.
Kepec Company, The, Milwaukee, Wis. Preservatives or dressings for leather. 346,375; May 25; Serial No. 386,949; published Mar. 9, 1937. Class 4.
Keyes Fibre Company, Waterville, Maine. Containers for baking or serving hot foods or liquids. 346,336; May 25. Serial No. 381,766; published Mar. 16, 1937. Class 2.
Kitchen Katch-All Corporation, The, Greenwich, Ohio. Nursing bottles. 346,402; May 25; Serial No. 387,247; published Mar. 16, 1937. Class 44.
Klein, Phil, assignor to Always Dry Processing Corporation, New York, N. Y. Piece goods. 346,479; May 25. Class 42.
Koerner, W., & Co., Cunnersdorf, Germany. Alcoholic bitters. 346,330; May 25; Serial No. 378,696; published Mar. 16, 1937. Class 49.
La Fodham's Product Co. (See Foderingham, Allan F.)
Lambert Pharmacal Company, St. Louis, Mo., assignor to Lambert Pharmacal Company, Wilmington, Del. Toilet creams. 117,884; renewed Aug. 7, 1937.
Lambert Pharmacal Company, St. Louis, Mo., assignor to Lambert Pharmacal Company, Wilmington, Del. Toothpaste. 118,052; renewed Aug. 14, 1937.
Lampasi Fruit Company, Los Angeles, Calif. Fresh citrus fruits and fresh vegetables. 346,448; May 25; Serial No. 388,063; published Mar. 16, 1937. Class 46.
La Salle Hat Company, The, Philadelphia, Pa. Men's and boys' hats and caps and ladies' hats. 346,368; May 25; Serial No. 386,036; published Mar. 16, 1937. Class 39.
Linton, Ulle C., doing business as Hedisco Company, Washington, D. C. Paper cups, cans, bottles, etc. 346,427; May 25; Serial No. 387,790; published Mar. 16, 1937. Class 2.
London House, Ltd., New York, N. Y. Hair brushes. 346,428; May 25; Serial No. 387,791; published Mar. 16, 1937. Class 29.
Lorraine Pipe Shop. (See Greenberg, Samuel.)
Lowe, Joe, Corporation, New York, N. Y. Chocolate flavor coatings. 346,456; May 25; Serial No. 388,099; published Mar. 16, 1937. Class 46.
Lubrichart Company, The, Cleveland, Ohio. Printed charts. 346,474; May 25. Class 38.

Mahoning Paint & Oil Company, The, Youngstown, Ohio.—Ready mixed paints and paints in paste and powder form, varnish, etc. 346,359; May 25; Serial No. 385,361; published Mar. 16, 1937. Class 16.

Marti, Fritz, La Chaux-de-Fonds, Switzerland. Watches and horological movements and parts thereof. 346,445; May 25; Serial No. 388,013; published Mar. 16, 1937. Class 27.

McCarty, Justin, Inc., Dallas, Tex. Coats. 346,389; May 25; Serial No. 386,436; published Mar. 16, 1937. Class 39.

McQuillen, Roy M., doing business as Hobby Shoe Company, East Rochester, N. H. Shoes. 346,446; May 25; Serial No. 388,014; published Mar. 16, 1937. Class 39.

Meyrowitz, E. B., Inc., New York, N. Y. Eye-glasses for sporting purposes. 346,333; May 25; Serial No. 381,164; published Mar. 16, 1937. Class 26.

Miss Junior Coats, Inc., New York, N. Y. Coats, suits, and hats. 346,464; May 25; Serial No. 388,201; published Mar. 16, 1937. Class 39.

Modern Flour Hills, by change of name to Birdsey Flour Mills, Macon, Ga. Wheat-flour. 117,772; renewed July 31, 1937.

Modern Flour Mills, by change of name to Birdsey Flour Mills, Macon, Ga. Self-rising wheat-flour. 117,774; renewed July 31, 1937.

Modern Flour Mills, by change of name to Birdsey Flour Mills, Macon, Ga. Self-rising wheat-flour. 117,899; renewed Aug. 7, 1937.

Mount Olive Pickle Co., Inc., doing business as Wayne Packing Co., Mount Olive, N. C. Pickles and sweet pickle relishes. 346,361; May 25; Serial No. 385,635; published Mar. 16, 1937. Class 46.

Narragansett Brewing Company, Cranston, R. I. Malt beverages. 346,341; May 25; Serial No. 383,176; published Mar. 16, 1937. Class 48.

Nashua Gummed and Coated Paper Company, Nashua, N. H. Wrapping bands. 346,418; May 25; Serial No. 387,625; published Mar. 16, 1937. Class 37.

Neumann, Jacob, doing business as Crown Luggage Co., Baltimore, Md. Luggage. 346,395; May 25; Serial No. 387,141; published Mar. 16, 1937. Class 3.

New York Eye Protection Co., Inc., Brooklyn, N. Y. Goggles and protective glasses. 346,403; May 25; Serial No. 387,252; published Mar. 16, 1937. Class 26.

New York Hat & Cap Co., New York, N. Y. Hats and caps. 346,413; May 25; Serial No. 387,473; published Mar. 16, 1937. Class 39.

Nicralumin Company, The, Jackson, Mich. Alloyed aluminum sheets, rods, bars, etc. 346,334; May 25; Serial No. 381,281; published Mar. 16, 1937. Class 14.

North Pole Brewing Company, The, Fairmont, W. Va. Beer and ale. 346,432; May 25; Serial No. 387,834; published Mar. 16, 1937. Class 48.

Northwest, Inc., Portland, Oreg. Beverages. 346,353; May 25; Serial No. 385,056; Mar. 16, 1937. Class 45.

Old Ben Coal Corporation, Chicago, Ill. Coal. 346,441; May 25; Serial No. 387,950; published Mar. 16, 1937. Class 1.

Orthopedic Shoes, Inc., Portsmouth, Ohio. Shoes. 346,378; May 25; Serial No. 386,738; published Mar. 16, 1937. Class 39.

Oshkosh Overall Company, Oshkosh, Wis. Overalls, suits, coats, etc. 346,488; May 25. Class 39.

Owens-Illinois Glass Company, Toledo, Ohio. Salt and pepper shakers. 346,382; May 25; Serial No. 386,657; published Mar. 2, 1937. Class 13.

Pennsylvania Whiskey Distributing Corporation, Brooklyn, N. Y. Whiskey. 346,491–2; May 25. Class 49.

Pepperell Manufacturing Company, Boston, Mass. Sheets and pillow cases. 346,324; May 25; Serial No. 369,661; published Mar. 16, 1937. Class 42.

Petty, Claudius M., doing business as Superior Garment Manufacturing Company, Wilkesboro, N. C. Overalls, overall jackets, pants, etc. 346,335; May 25; Serial No. 381,376; published Mar. 16, 1937. Class 39.

Pfuhl, Louise and K. H., Rochelle Park, N. J. Cookies. 346,354; May 25; Serial No. 385,061; published Mar. 16, 1937. Class 46.

Philadelphia Quartz Company, Philadelphia, Pa. Sodium silicate. 116,549; renewed May 8, 1937.

Philadelphia Quartz Company, Philadelphia, Pa. Sodium silicate. 118,571; renewed Sept. 18, 1937.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Fur coats. 346,469; May 25. Class 39.

Raymond's, Inc., Boston, Mass. Surgical belts. 346,409; May 25; Serial No. 387,393; published Mar. 16, 1937. Class 44.

Reeves, Ruth L., doing business as The Wil-Fit Company, Union City, N. J. Bathing suits, men's underwear, ladies' underwear, etc. 346,465; May 25; Serial No. 388,206; published Mar. 16, 1937. Class 39.

Remington Arms Company, Inc., Bridgeport, Conn. Firearms. 346,422; May 25; Serial No. 387,710; published Mar. 16, 1937. Class 9.

Roman Stripe Mills, Inc., New York, N. Y. Hosiery. 346,477; May 25. Class 39.

Rose & Blairman, Ltd., London, England. Dresses, costumes, blouses, etc. 346,472; May 25. Class 39.

Rusgo Manufacturing Co., Milwaukee, Wis. Chromium polish which also removes rust. 346,381; May 25; Serial No. 386,696; published Mar. 9, 1937. Class 4.

Schneider, Lou, Inc., New York, N. Y. Ladies' coats and suits. 346,429; May 25; Serial No. 387,799; published Mar. 16, 1937. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 346,483; May 25. Class 39.

Semet-Solvay Company, New York, N. Y. Protective paints and roof coating. 346,423; May 25; Serial No. 387,713; published Mar. 16, 1937. Class 16.

Shaffer, John W., & Company, Minneapolis, Minn. Traffic button. 346,362; May 25; Serial No. 385,754; published Mar. 16, 1937. Class 50.

Shield Foods, Inc., Buffalo, N. Y. Canned salmon. 346,449; May 25; Serial No. 388,073; published Mar. 16, 1937. Class 46.

Shillman, A. & H., Company, Inc., Baltimore, Md. Yarns and threads. 346,424; May 25; Serial No. 387,714; published Mar. 16, 1937. Class 43.

Shu-Milk Products Corporation, Passaic, N. J. White shoe cleaner. 346,329; May 25; Serial No. 375,101; published Mar. 9, 1937. Class 4.

Singer Manufacturing Company, The. (See Hexagon Sewing Machine Company, assignor.)

Squire Dingee Company, Chicago, Ill. Pie mix. 346,399; May 25; Serial No. 387,222; published Mar. 16, 1937. Class 46.

Sterilek Company Inc., The, Brooklyn, N. Y. Facial tissues. 346,467; May 25; Serial No. 388,375; published Mar. 16, 1937. Class 37.

Strathmore Paper Company, West Springfield, Mass. Writing and printing paper. 346,352; May 25; Serial No. 385,012; published Jan. 26, 1937. Class 37.

Strathmore Paper Company, West Springfield, Mass. Book, cover, and printing papers. 346,400; May 25; Serial No. 387,224; published Mar. 16, 1937. Class 37.

Strohmeyer & Arpe Company, New York, N. Y. Hair-tonic. 116,375; renewed Apr. 24, 1937.

Superior Garment Manufacturing Company. (See Petty, Claudius M.)

Supreme Label Co., Inc., New York, N. Y. Labels, name tapes, and tags. 346,385; May 25; Serial No. 386,607; published Mar. 16, 1937. Class 37.

Ten-O-Win Amusement Company, San Francisco, Calif. Amusement apparatus. 346,358; May 25; Serial No. 385,314; published Mar. 16, 1937. Class 22.

Texas Fisheries, Galveston, Tex. Frozen shrimp. 346,365; May 25; Serial No. 385,914; published Mar. 16, 1937. Class 46.

Tide Water Oil Co., assignor, by mesne assignments, to Tide Water Associated Oil Company, New York, N. Y. Refined petroleum. 118,108; renewed Aug. 14, 1937.

Tide Water Oil Co., assignor, by mesne assignments, to Tide Water Associated Oil Company, New York, N. Y. Lubricating-oil. 118,109; renewed Aug. 14, 1937.

Tissue Brands Inc., Brooklyn, N. Y. Sanitary napkins. 346,417; May 25; Serial No. 387,568; published Mar. 16, 1937. Class 44.

Tobler, Ernst & Traber, Inc., New York, N. Y. Silk cloth, taffeta weave, in the piece. 346,366; May 25; Serial No. 385,915; published Mar. 16, 1937. Class 42.

Todd, Austin G., Kansas City, Mo. Games. 346,407; May 25; Serial No. 387,357; published Mar. 16, 1937. Class 22.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns for art needlework. 346,481; May 25. Class 43.

Van Raalte Company, Inc., New York, N. Y. Hosiery. 346,482; May 25. Class 39.

Wagner, Joseph F., Inc., New York, N. Y. Business directory. 346,484; May 25. Class 38.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 346,458–62; May 25; Serial Nos. 388,162–6; published Mar. 16, 1937. Class 49.

Wanamaker, John, New York, New York, N. Y. Sleeping garments. 346,435; May 25; Serial No. 387,881; published Mar. 16, 1937. Class 39.

Wayne Packing Co. (See Mount Olive Pickle Co., Inc.)

Western Underwear Co., Inc., New York, N. Y. Chemises, negligees, costume slips, etc. 346,345–6; May 25; Serial Nos. 384,306–7; published Mar. 16, 1937. Class 39.

Weston, Duncan, & Son Limited, London, England. Whisky. 346,364; May 25; Serial No. 385,816; published Mar. 16, 1937. Class 49.

Whittemore Bros. Corp., Cambridge, Mass. Compositions for cleaning, dressing, polishing sheet materials. 346,396; May 25; Serial No. 387,155; published Mar. 9, 1937. Class 4.

Wil-Fit Company, The. (See Reeves, Ruth L.)

Williamsbridge Mills, Inc., New York, N. Y. Women's and misses' blouses, skirts, and playsuits. 346,471; May 25. Class 39.

Wizard, Inc., Chicago, Ill. Glass cleaning preparations. 346,369; May 25; Serial No. 386,134; published Mar. 9, 1937. Class 4.

Wohlmuth Co., The, Baltimore, Md. Suits, overcoats, topcoats, etc. 346,489; May 25. Class 39.

Wooldridge, Richard J., Glastonbury, Conn. Aluminum welding rods and electrodes. 346,376; May 25; Serial No. 386,921; published Mar. 16, 1937. Class 14.

Worthington Pump and Machinery Corporation, Harrison, N. J., assignor to The Worthington Pump and Machinery Corporation, Ferrous metal. 346,331; May 25; Serial No. 380,938; published Mar. 16, 1937. Class 14.

Zwingenberger, Paula, doing business as Colony Dress Shop, New York, N. Y. Dresses. 346,425; May 25; Serial No. 387,723; published Mar. 16, 1937. Class 39.

LIST OF REGISTRANTS OF LABELS

Borzoi Laboratories, Incorporated, Newark, N. J. Murjana. For Cosmesis Skin Lotion. 49,324; May 25.

Coca-Cola Company, The, Wilmington, Del. Coca-Cola—Six Bottles—For the Home. For a Carbonated Beverage. 49,325; May 25.

Dog-Sho Products Co. (See Sokolinski, Jennie M.)

Elser, Rose, New York, N. Y. Tobé Renée. For Beauty Cream. 49,326; May 25.

Hygienic Products Company, The, Canton, Ohio. Hy-Pro. For Chemical Preparation for Cleaning, Bleaching, and Whitening Cotton and Linen Goods, Clothing and the Like, and for Removing Stains, Mildew, and Scorch Therefrom. 49,327; May 25.

Katz, Ben Roy, New York, N. Y. Musketeer Sauce. For Sauce. 49,328; May 25.

Lombardi, James G., doing business as Lombardi Wine Co., Los Angeles, Calif. Lombardi Junior Bottle. For California Tokay. 49,329; May 25.

Marcalus Manufacturing Co., Inc., Elizabeth, N. J. Charm Napkins. For Paper Napkins. 49,330; May 25.

Maxwell Company, The, Delphi, Ind. Leguniogen. For Nitrogen Fixing Bacteria of Special Strains used for Inoculating Legume Seeds. 49,331; May 25.

Pruden Chemical Company, Orlando, Fla. Mytee Neutral Liquid Wax Shoe Polish. For Shoe Polish. 49,332; May 25.

Pruden Chemical Company, Orlando, Fla. Mytee Black Liquid Wax Shoe Polish. For Shoe Polish. 49,333; May 25.

Read, F. A., Inc., Albion, N. Y. Lake Ontario Apples. For Apples. 49,334; May 25.

Rogers, John D., Navasota, Tex. Rogers Acala. For Cotton Seed. 49,335; May 25.

Shotwell Manufacturing Co., The, Chicago, Ill. Happy Easter From Mama Rabbit. For Chocolate Covered Marshmallow Rabbits. 49,336; May 25.

Shotwell Manufacturing Co., The, Chicago, Ill. Happy Easter from Papa Rabbit. For Chocolate Covered Marshmallow Rabbits. 49,337; May 25.

Sokolinski, Jennie M., doing business as Dog-Sho Products Co., Metuchen, N. J. Dog-Sho Shampoo. For a Shampoo for Dogs. 49,338; May 25.

Standard Brands Incorporated, New York, N. Y. Royal. For Strawberry Flavor Gelatin Dessert. 49,339; May 25.

Standard Brands Incorporated, New York, N. Y. Royal. For Raspberry Flavor Gelatin Dessert. 49,340; May 25.

Standard Brands Incorporated, New York, N. Y. Royal. For Pineapple Flavor Gelatin Dessert. 49,341; May 25.

Standard Brands Incorporated, New York, N. Y. Royal. For Orange Flavor Gelatin Dessert. 49,342; May 25.

Standard Brands Incorporated, New York, N. Y. Royal. For Lime Flavor Gelatin Dessert. 49,343; May 25.

Standard Brands Incorporated, New York, N. Y. Royal. For Lemon Flavor Gelatin Dessert. 49,344; May 25.

Standard Brands Incorporated, New York, N. Y. Royal. For Cherry Flavor Gelatin Dessert. 49,345; May 25.

LIST OF REGISTRANTS OF PRINTS

Contempo Men's Wear Guild, Inc., New York, N. Y. Contempo Fashions. For Men's Wearing Apparel. 16,199; May 25.

Premier-Pabst Sales Co., Peoria Heights, Ill. Ballantine Fermentase is the Baker's Insurance Against any 'Off-Doughs', Ad. No. 85. For Baker's Malt. 16,200; May 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Old Ben Coal Corporation. 346,441; May 25; Serial No. 387,950; published Mar. 16, 1937.

Derivative of methacrylic acid, Polymerized. E. I. du Pont de Nemours and Company. 346,443; May 25; Serial No. 387,991; published Mar. 16, 1937.

Kapok. Airpak Limited. 346,420; May 25; Serial No. 387,692; published Mar. 16, 1937.

Leathers and skins. Anciens Etablissements A. Combe & Fils & Cie. 118,459; renewed Sept. 11, 1937.

Molding powders and plastic and synthetic resinous materials. Heresite & Chemical Company. 346,347; May 25; Serial No. 384,660; published Mar. 16, 1937.

CLASS 2

Basins and water-buckets, friction-top cans, drinking flasks, etc. Abercrombie & Fitch Company. 346,370; May 25; Serial No. 386,137; published Mar. 16, 1937.

Containers for baking or serving hot foods or liquids. Keyes Fibre Company. 346,336; May 25; Serial No. 381,766; published Mar. 16, 1937.

Cups, cans, bottles, etc., Paper. U. C. Linton. 346,427; May 25; Serial No. 387,790; published Mar. 16, 1937.

CLASS 3

Handbags, Ladies'. Evans Case Company. 346,475; May 25.

Luggage. J. Neumann. 346,395; May 25; Serial No. 387,141; published Mar. 16, 1937.

Rucksacks, duffle bags, carryalls, etc. Abercrombie & Fitch Company. 346,371; May 25; Serial No. 386,138; published Mar. 16, 1937.

CLASS 4

Abrasive implements. Bakelite Corporation. 346,326; May 25; Serial No. 373,516; published Mar. 9, 1937.

Beard softener for shaving. N. Fusco. 346,342; May 25; Serial No. 383,502; published Mar. 16, 1937.

Cleaner for web or canvas equipment. J. M. Jorgensen. 346,363; May 25; Serial No. 385,792; published Mar. 9, 1937.

Cleaner, White shoe. Shu-Milk Products Corporation. 346,329; May 25; Serial No. 375,101; published Mar. 9, 1937.

Compositions for cleaning, dressing, polishing sheet materials. Whittemore Bros. Corp. 346,396; May 25; Serial No. 387,155; published Mar. 9, 1937.

Dressings, Belt. Black Diamond Paint & Varnish Works, Inc. 346,410; May 25; Serial No. 387,430; published Mar. 9, 1937.

Glass cleaning preparations. Wizard, Inc. 346,369; May 25; Serial No. 386,134; published Mar. 9, 1937.

Polish which also removes rust. Chromium. Rusgo Manufacturing Co. 346,381; May 25; Serial No. 386,696; published Mar. 9, 1937.

Preservatives or dressings for leather. Kepec Company. 346,375; May 25; Serial No. 386,949; published Mar. 9, 1937.

Soap, Clothes washing. Gordon-Allen Ltd. 346,323; May 25; Serial No. 366,096; published Mar. 9, 1937.

CLASS 6

Creams, Toilet. Lambert Pharmacal Company. 118,884; renewed Aug. 7, 1937.

Hair-tonic. Strohmeyer & Arpe Company. 116,375; renewed Apr. 24, 1937.

Sodium silicate. Philadelphia Quartz Company. 116,549; renewed May 8, 1937.

Sodium silicate. Philadelphia Quartz Company. 118,571; renewed Sept. 18, 1937.

Tooth-paste. Lambert Pharmacal Company. 118,052; renewed Aug. 14, 1937.

Wood-preservatives and creosote shingle-stains. General Roofing Manufacturing Company. 116,515; renewed May 8, 1937.

CLASS 7

Twine, Binder. Farm Service Stores, Inc. 346,438; May 25; Serial No. 387,893; published Mar. 16, 1937.

CLASS 8

Ash trays, cigar and tobacco humidors, pipes, etc. Abercrombie & Fitch Company. 346,372; May 25; Serial No. 386,139; published Mar. 16, 1937.

CLASS 9

Firearms. Remington Arms Company. 346,422; May 25; Serial No. 387,710; published Mar. 16, 1937.

CLASS 10

Phosphate, Pebble. Coronet Phosphate Company. 116,602; renewed May 15, 1937.

CLASS 13

Rings, Metal joint sealing. J. A. S. Ehart. 346,487; May 25.

Shakers, Salt and pepper. Owens-Illinois Glass Company. 346,382; May 25; Serial No. 386,657; published Mar. 2, 1937.

Wheels, Furniture caster. Bassick Company. 346,392; May 25; Serial No. 387,104; published Mar. 16, 1937.

CLASS 14

Aluminum sheets, rods, bars, etc., Alloyed. Nicralumin Company. 346,334; May 25; Serial No. 381,281; published Mar. 16, 1937.
Aluminum welding rods and electrodes. R. J. Wooldridge. 346,376; May 25; Serial No. 386,921; published Mar. 16, 1937.
Metal, Ferrous. Worthington Pump and Machinery Corporation. 346,331; May 25; Serial No. 380,938; published Mar. 16, 1937.
Wire, Zinc coated. Bethlehem Steel Company. 346,374; May 25; Serial No. 386,145; published Mar. 16, 1937.

CLASS 15

Oil, Lubricating. Tide Water Oil Co. 118,109; renewed Aug. 14, 1937.
Petroleum, Refined. Tide Water Oil Co. 118,108; renewed Aug. 14, 1937.

CLASS 16

Linseed-oil and ready-mixed paints. W. R. Grace & Co. 116,427; renewed May 1, 1937.
Paints and paints in paste and powder form, varnish, etc., Ready mixed. Mahoning Paint & Oil Company. 346,359; May 25; Serial No. 385,361; published Mar. 16, 1937.
Paints and roof coating, Protective. Semet-Solvay Company. 346,423; May 25; Serial No. 387,713; published Mar. 16, 1937.

CLASS 17

Cigarettes. Axton-Fisher Tobacco Company. 346,450; May 25; Serial No. 388,082; published Mar. 16, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 346,451–3; May 25; Serial Nos. 388,084–6; published Mar. 16, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 346,454; May 25; Serial No. 388,088; published Mar. 16, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 346,466; May 25; Serial No. 388,302; published Mar. 16, 1937.
Cigarettes and cigars. Carioca Enterprises Corporation. 346,383; May 25; Serial No. 386,632; published Mar. 16, 1937.
Tobacco, Packages and tins of smoking. S. Greenberg. 346,419; May 25; Serial No. 387,669; published Mar. 16, 1937.

CLASS 19

Automobiles and motor trucks, Passenger. Ford Motor Sales Company. 346,332; May 25; Serial No. 381,156; published Mar. 16, 1937.
Trailers. Kabin Koach Company. 346,379; May 25; Serial No. 386,731; published Mar. 16, 1937.

CLASS 20

Floor covering. Bird & Son, Inc. 346,442; May 25; Serial No. 387,974; published Mar. 16, 1937.

CLASS 21

Electric floor machines. F. T. Kent. 346,343; May 25; Serial No. 383,630; published Mar. 16, 1937.
Signals, and vehicle electric lamps and lights, Vehicle electric directional. Elma Products Company. 346,367; May 25; Serial No. 385,957; published Mar. 16, 1937.

CLASS 22

Amusement apparatus. Ten-O-Win Amusement Company. 346,358; May 25; Serial No. 385,314; published Mar. 16, 1937.
Amusement apparatus and marksmanship practicing apparatus, Coin-controlled. Exhibit Supply Company. 346,436; May 25; Serial No. 387,891; published Mar. 16, 1937.
Cards. Hollywood Amusement Company. 346,390; May 25; Serial No. 386,210; published Mar. 16, 1936.
Games. A. G. Todd. 346,407; May 25; Serial No. 387,357; published Mar. 16, 1937.
Games, Jar and Board. Gay Games, Incorporated. 346,397; May 25; Serial No. 387,161; published Mar. 16, 1937.
Kites. J. Frier. 346,355; May 25; Serial No. 385,109; published Mar. 16, 1937.
Sausages made of some non-edible material, Imitation. H. Fishlove & Co. 346,357; May 25; Serial No. 385,221; published Mar. 16, 1937.

CLASS 23

Lifting mechanism. Joyce-Cridland Co. 346,394; May 25; Serial No. 387,131; published Mar. 16, 1937.
Razor blades. C. Green. 346,328; May 25; Serial No. 374,884; published Apr. 7, 1937.
Sewing machines, parts thereof. Hexagon Sewing Machine Company. 117,141–4; renewed June 19, 1937.
Sewing-machines, parts thereof, and certain named attachments therefor. Hexagon Sewing Machine Company. 118,661–2; renewed Sept. 25, 1937.
Vending machines, Coin-controlled. Exhibit Supply Company. 346,437; May 25; Serial No. 387,892; published Mar. 16, 1937.
Wrenches. Indestro Manufacturing Corp. 346,439; May 25; Serial No. 387,905; published Mar. 16, 1937.

CLASS 26

Eye-glasses for sporting purposes. E. B. Meyrowitz, Inc. 346,333; May 25; Serial No. 381,164; published Mar. 16, 1937.
Goggles and protective glasses. New York Eye Protection Co. 346,403; May 25; Serial No. 387,252; published Mar. 16, 1937.

CLASS 27

Watches and horological movements and parts thereof. F. Marti. 346,445; May 25; Serial No. 388,013; published Mar. 16, 1937.

CLASS 29

Brushes, Hair. London House, Ltd. 346,428; May 25; Serial No. 387,791; published Mar. 16, 1937.

CLASS 32

Springs and mattresses, Bed. Greenpoint Metallic Bed Company. 346,380; May 25; Serial No. 386,708; published Mar. 16, 1937.

CLASS 35

Frictional elements for brakes and clutches, and fan belts, etc. American Brakeblok Corporation. 346,360; May 25; Serial No. 385,503; published Mar. 16, 1937.

CLASS 37

Bands, Wrapping. Nashua Gummed and Coated Paper Company. 346,418; May 25; Serial No. 387,625; published Mar. 16, 1937.
Labels, name tapes, and tags. Supreme Label Co. 346,385; May 5; Serial No. 386,607; published Mar. 16, 1937.
Paper, Writing and printing. Strathmore Paper Company. 346,352; May 25; Serial No. 385,012; published Jan. 26, 1937.
Papers, Book, cover, and printing. Strathmore Paper Company. 346,400; May 25; Serial No. 387,224; published Mar. 16, 1937.
Stationery. Eaton Paper Corporation. 346,386; May 25; Serial No. 386,582; published Mar. 16, 1937.
Tissues, Facial. Sterilek Company Inc. 346,467; May 25; Serial No. 388,375; published Mar. 16, 1937.

CLASS 38

Charts, Printed. Lubrichart Company. 346,474; May 25.
Directory, Business. J. F. Wagner, Inc. 346,484; May 25.
Newspaper section. Daily Mirror, Inc. 346,393; May 25; Serial No. 387,117; published Mar. 9, 1937.

CLASS 39

Blouses, skirts and playsuits, Women's and misses'. Williamsbridge Mills, Inc. 346,471; May 25.
Boots and shoes. International Shoe Co. 346,338; May 25; Serial No. 382,223; published Mar. 16, 1937.
Chemises, negligees, costume slips, etc. Western Underwear Co. 346,345–6; May 25; Serial Nos. 384,306–7; published Mar. 16, 1937.
Chemises, princess slips, bloomers, etc., Ladies'. I. Schneierson & Sons, Inc. 346,483; May 25.
Coats. Justin McCarty, Inc. 346,389; May 25; Serial No. 386,436; published Mar. 16, 1937.
Coats and suits, Ladies'. Lou Schneider, Inc. 346,429; May 25; Serial No. 387,799; published Mar. 16, 1937.
Coats, Fur. Plymouth Wholesale Dry Goods Corporation. 346,469; May 25.
Coats, suits, and hats. Miss Junior Coats, Inc. 346,464; May 25; Serial No. 388,201; published Mar. 16, 1937.
Collars, Men's. Brooks Brothers. 346,421; May 25; Serial No. 387,699; published Mar. 16, 1937.
Dresses. P. Zwingenberger. 346,425; May 25; Serial No. 387,723; published Mar. 16, 1937.
Dresses, costumes, blouses, etc. Rose & Blairman, Ltd. 346,472; May 25.
Frocks, dresses, smocks, etc. Barmon Brothers Company Inc. 346,351; May 25; Serial No. 384,989; published Mar. 16, 1937.
Garments, Sleeping. John Wanamaker New York. 346,435; May 25; Serial No. 387,881; published Mar. 16, 1937.
Gloves, Leather. Crocetta Bros. & Co. 346,455; May 25; Serial No. 388,090; published Mar. 16, 1937.
Gloves, Leather. Crocetta Bros. & Co. 346,463; May 25; Serial No. 388,185; published Mar. 16, 1937.
Hats and caps. La Salle Hat Company. 346,368; May 25; Serial No. 386,036; published Mar. 16, 1937.
Hats and caps. New York Hat & Cap Co. 346,413; May 25; Serial No. 387,473; published Mar. 16, 1937.
Hats and felt hats of all styles, Women's straw. S. Fruhman. 346,337; May 25; Serial No. 381,806; published Mar. 16, 1937.
Hosiery. Roman Stripe Mills, Inc. 346,477; May 25.
Hosiery. Van Raalte Company. 346,482; May 25.
Hosiery, Women's. Artcraft Silk Hosiery Mills, Inc. 346,327; May 25; Serial No. 374,394; published Mar. 16, 1937.

Overalls, overall jackets, pants, etc. C. M. Petty. 346,335; May 25; Serial No. 381,376; published Mar. 16, 1937.
Overalls, suits, coats, etc. Oshkosh Overall Company. 346,488; May 25.
Shirts, Men's dress, work, and under. Appollo Shirt Company. 346,476; May 25.
Shirts, neckties or cravats, collars, etc. M. R. Gray. 346,411; May 25; Serial No. 387,448; published Mar. 16, 1937.
Shoes. R. M. McQuillen. 346,446; May 25; Serial No. 388,014; published Mar. 16, 1937.
Shoes. Orthopedic Shoes, Inc. 346,378; May 25; Serial No. 386,738; published Mar. 16, 1937.
Suits and overcoats. L. D. Coddon & Bros., Inc. 346,493; May 25.
Suits, Bathing. Davega-City Radio, Inc. 346,447; May 25; Serial No. 388,049; published Mar. 16, 1937.
Suits, coats, vests, etc. Abercrombie & Fitch Company. 346,373; May 25; Serial No. 386,141; published Mar. 16, 1937.
Suits, men's underwear, ladies' underwear, etc., Bathing. R. L. Reeves. 346,465; May 25; Serial No. 388,206; published Mar. 16, 1937.
Suits, overcoats, topcoats, etc. Wohlmuth Co. 346,489; May 25.
Suits, trousers, knickers, etc. J. L. Hudson Company. 346,485–6; May 25.
Topcoats. Gabardine. Alligator Company. 346,414; May 25; Serial No. 387,486; published Mar. 16, 1937.
Undershirts, drawers, union suits, etc., Knitted. Faith Mills, Inc. 346,444; May 25; Serial No. 387,995; published Mar. 16, 1937.
Underwear, Ladies'. Julius Kayser & Co. 346,457; May 25; Serial No. 388,137; published Mar. 16, 1937.

CLASS 40

Hair wavers, Non-electrical. B. Frankel Co. 346,391; May 25; Serial No. 387,063; published Mar. 16, 1937.
Watch fobs and buttons, made of leather. P. H. Harris. 346,478; May 25.

CLASS 42

Carpets and rugs. Firth Carpet Co. 346,405–6; May 25; Serial Nos. 387,317–8; published Mar. 16, 1937.
Cotton piece goods. Burton Brothers & Co. Inc. 346,433–4; May 25; Serial Nos. 387,858–9; published Mar. 16, 1937.
Cotton, rayon, acetate, and silk piece goods. Cohn-Hall-Marx Co. 346,398; May 25; Serial No. 387,174; published Mar. 16, 1937.
Mats and toilet seat cotton lid-covers, Cotton bath. Colorbrite Textiles, Inc. 346,349; May 25; Serial No. 384,729; published Mar. 16, 1937.
Piece goods. P. Klein. 346,479; May 25.
Rugs and carpets, Woven textile. Bigelow-Sanford Carpet Co. Inc. 346,404; May 25; Serial No. 387,265; published Mar. 16, 1937.
Sheets and pillow cases. Pepperell Manufacturing Company. 346,324; May 25; Serial No. 369,661; published Mar. 16, 1937.
Silk cloth, taffeta weave, in the piece. Tobler, Ernst & Traber, Inc. 346,366; May 25; Serial No. 385,915; published Mar. 16, 1937.
Woolen textile fabrics. Kabushiki-Kaisha Itami Seijusho. 346,401; May 25; Serial No. 387, 246; published Mar. 16, 1937.

CLASS 43

Thread and yarn. American Bemberg Corporation. 346,325; May 25; Serial No. 373,478; published Mar. 16, 1937.
Yarns and threads. A. & H. Shillman Company. 346,424; May 25; Serial No. 387,714; published Mar. 16, 1937.
Yarns for art needlework. Bernhard Ulmann Co. Inc. 346,481; May 25.

CLASS 44

Atomizers, vaporizers, and nebulizers. R. M. Balyeat. 346,416; May 25; Serial No. 387,537; published Mar. 16, 1937.
Belts, Surgical. Raymond's, Inc. 346,409; May 25; Serial No. 387,395; published Mar. 16, 1937.
Bottles, Nursing. Kitchen Katch-All Corporation. 346,402; May 25; Serial No. 387,247; published Mar. 16, 1937.
Needles, Surgical. Davis & Geck, Inc. 346,339; May 25; Serial No. 382,378; published Mar. 16, 1937.
Sanitary napkins. Tissue Brands Inc. 346,417; May 25; Serial No. 387,568; published Mar. 16, 1937.

CLASS 45

Beverage. A. F. Foderingham. 346,412; May 25; Serial No. 387,463; published Mar. 16, 1937.
Beverage, and sirup and extract for making the same. Concordade Co. 346,468; May 25.
Beverages. Northwest, Inc. 346,353; May 25; Serial No. 385,056; published Mar. 16, 1937.
Beverages and sirups and extracts for making the same. Hartman Beverage Company. 346,470; May 25.

CLASS 46

Canned citrus juices. Citrus Products Inc. 346,377; May 25; Serial No. 386,848; published Mar. 16, 1937.
Canned meats, stewed tripe, tomato pulp, etc. Frigorifico Nacional of Montevideo. 346,344; May 25; Serial No. 383,679; published Mar. 16, 1937.
Canned salmon. Shield Foods, Inc. 346,449; May 25; Serial No. 388,073; published Mar. 16, 1937.
Canned vegetables. Hillsboro-Queen Anne Cooperative Corporation. 346,388; May 25; Serial No. 386,490; published Mar. 16, 1937.
Chocolate flavor coatings. Joe Lowe Corporation. 346,456; May 25; Serial No. 388,099; published Mar. 16, 1937.
Coffee. Great Atlantic & Pacific Tea Company. 346,430; May 25; Serial No. 387,811; published Mar. 9, 1937.
Cookies. L. and K. H. Pfuhl. 346,354; May 25; Serial No. 385,061; published Mar. 16, 1937.
Flour, Self-rising wheat. Modern Flour Mills. 117,772; renewed July 31, 1937.
Flour, Self-rising wheat. Modern Flour Mills. 117,774; renewed July 31, 1937.
Flour, Self-rising wheat. Modern Flour Mills. 117,899; renewed Aug. 7, 1937.
Flour, Wheat. Bay State Milling Company. 346,384; May 25; Serial No. 386,629; published Mar. 9, 1937.
Flour, Wheat. Cosby-Hodges Milling Co. Inc. 346,473; May 25.
Fruits and fresh vegetables, Fresh citrus. Lampasi Fruit Company. 346,448; May 25; Serial No. 388,063; published Mar. 16, 1937.
Gum, Chewing. American Chicle Company. 346,440; May 25; Serial No. 387,934; published Mar. 16, 1937.
Hams, breakfast bacon, bologna, etc., Smoked cured. East Tennesse Packing Company. 346,356; May 25; Serial No. 385,139; published Mar. 16, 1937.
Pickles and sweet pickle relishes. Mount Olive Pickle Co. 346,361; May 25; Serial No. 385,635; published Mar. 16, 1937.
Pie mix. Squire Dingee Company. 346,399; May 25; Serial No. 387,222; published Mar. 16, 1937.
Shrimp, Frozen. Texas Fisheries. 346,365; May 25; Serial No. 385,914; published Mar. 16, 1937.

CLASS 47

Cider, Alcoholic. Columbia Fruit Products Company. 346,480; May 25.
Wines. Comex Trading Company Incorporated. 346,340; May 25; Serial No. 383,124; published Mar. 16, 1937.

CLASS 48

Ale. Frank Fehr Brewing Co. 346,431; May 25; Serial No. 387,824; published Mar. 16, 1937.
Beer and ale. North Pole Brewing Company. 346,432; May 25; Serial No. 387,834; published Mar. 16, 1937.
Malt beverages. Narragansett Brewing Company. 346,341; May 25; Serial No. 383,176; published Mar. 16, 1937.

CLASS 49

Bitters, Alcoholic. W. Koerner & Co. 346,330; May 25; Serial No. 378,696; published Mar. 16, 1937.
Brandy. Conrad Page Corporation. 346,490; May 25.
Rum. J. H. Cerecedo. 346,350; May 25; Serial No. 384,785; published Mar. 16, 1937.
Whiskey. C. H. Graves and Sons Company. 346,415; May 25; Serial No. 387,501; published Mar. 16, 1937.
Whiskey. Pennsylvania Whiskey Distributing Corporation. 346,491–2; May 25.
Whiskey. Hiram Walker & Sons Inc. 346,458–62; May 25; Serial Nos. 388,162–6; published Mar. 16, 1937.
Whiskey, gin, and cordials. E. O. Jackson Distilling Co. 346,348; May 25; Serial No. 384,686; published Mar. 16, 1937.
Whisky. Duncan Weston & Son Limited. 346,364; May 25; Serial No. 385,816; published Mar. 16, 1937.
Whisky, Blended Scotch. William Grant & Sons Limited. 346,426; May 25; Serial No. 387,744; published Mar. 16, 1937.

CLASS 50

Caps, crowns, covers for containers, etc. Carvin Bottle Cap Corporation. 346,408; May 25; Serial No. 387,373; published Mar. 16, 1937.
Film, sheet or strip for wrapping, packaging, and covering. Goodyear Tire & Rubber Company. 346,387; May 25; Serial No. 386,539; published Mar. 16, 1937.
Traffic button. John W. Shaffer & Company. 346,362; May 25; Serial No. 385,754; published Mar. 16, 1937.

LIST OF LABELS

Charm Napkins. For Paper Napkins. Marcalus Manufacturing Co. 49,330; May 25.
Coca-Cola—Six Bottles—For the Home. For a Carbonated Beverage. Coca-Cola Company. 49,325; May 25.
Dog-Sho Shampoo. For a Shampoo for Dogs. J. M. Sokolinski. 49,338; May 25.
Happy Easter from Mama Rabbit. For Chocolate Covered Marshmallow Rabbits. Shotwell Manufacturing Co. 49,336; May 25.

Happy Easter from Papa Rabbit. For Chocolate Covered Marshmallow Rabbits. Shotwell Mahufacturing Co. 49,337; May 25.
Hy-Pro. For Chemical Preparation for Cleaning, Bleaching and Whitening Cotton and Linen Goods, Clothing and the Like, and for Removing Stains, Mildew and Scorch Therefrom. Hygienic Products Company. 49,327; May 25.
Lake Ontario Apples. For Apples. F. A. Read, Inc. 49,334; May 25.
Legumogen. For Nitrogen Fixing Bacteria of Special Strains used for Inoculating Legume Seeds. Maxwell Company. 49,331; May 25.
Lombardi Junior Bottle. For California Tokay. J. G. Lombardi. 49,329; May 25.
Murjana. For Cosmesis Skin Lotion. Borzoi Laboratories, Incorporated. 49,324; May 25.
Muscateer Sauce. For Sauce. B. R. Katz. 49,328; May 25.
Mytee Black Liquid Wax Shoe Polish. For Shoe Polish. Pruden Chemical Company. 49,333; May 25.
Mytee Neutral Liquid Wax Shoe Polish. For Shoe Polish. Pruden Chemical Company. 49,332; May 25.
Rogers Acala. For Cotton Seed. J. D. Rogers. 49,335; May 25.
Royal. For Cherry Flavor Gelatin Dessert. Standard Brands Incorporated. 49,345; May 25.
Royal. For Lemon Flavor Gelatin Dessert. Standard Brands Incorporated. 49,344; May 25.
Royal. For Lime Flavor Gelatin Dessert. Standard Brands Incorporated. 49,343; May 25.
Royal. For Orange Flavor Gelatin Dessert. Standard Brands Incorporated. 49,342; May 25.
Royal. For Pineapple Flavor Gelatin Dessert. Standard Brands Incorporated. 49,341; May 25.
Royal. For Raspberry Flavor Gelatin Dessert. Standard Brands Incorporated. 49,340; May 25.
Royal. For Strawberry Flavor Gelatin Dessert. Standard Brands Incorporated. 49,339; May 25.
Tobé Renee. For Beauty Cream. R. Eiser. 49,326; May 25.

LIST OF PRINTS

Ballantine Fermentase is the Baker's Insurance Against any 'Off-Doughs', Ad. No. 85. For Baker's Malt. Premier-Pabst Sales Co. 16,200; May 25.
Contempo Fashions. For Men's Wearing Apparel. Contempo Men's Wear Guild, Inc. 16,199; May 25.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Cyanamid Company. (See Ripper, Kurt, assignor.)
Carey, Philip, Manufacturing Company, The. (See Fischer, Albert C., assignor.)
Eavestaff, W. G., & Sons Limited. (See Nylund, Emil G. A., assignor.)
Eichelman, William H. (See Hall, E. E., and Eichelman.)
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Reenforced concrete road construction. 20,376; May 25.
Fries, Franz, Essen-Bredeney, Germany. Sewage sludge digester. 20,377; May 25.
Hall, Eric E., Chicago, and W. H. Eichelman, Des Plaines, assignors, by direct and mesne assignments, of one-fourth to said Eichelman and one-fourth to J. E. Whealan, Chicago, Ill., and one-half to J. H. O'Brien, trustee. Expansion joint. 20,378; May 25.
Henry, Augustus M., Bridgeport, Conn., assignor of thirty percent to F. J. Kent, Montclair, N. J. Airplane. 20,379; May 25.
Hickstein, William L., Irvington, and E. C. Loesser, Glen Ridge, N. J. Control device. 20,380; May 25.
Kent, Frank J. (See Henry, Augustus M., assignor.)
Loesser, Edwin C. (See Hickstein, W. L., and Loesser.)
Murray, Albert L., Auburn, Ind. Rubber heel patching lift. 20,381; May 25.
Nylund, Emil G. A., Uppsala, Sweden, assignor to W. G. Eavestaff & Sons Limited, London, England. Key operated stringed musical instrument. 20,382; May 25.
O'Brien, James H., et al., trustees. (See Hall, E. E., and Eichelman, assignors.)
Ripper, Kurt, Berlin, Germany, assignor, by mesne assignments, to American Cyanamid Company. Film forming compositions and manufacturing same. 20,383; May 25.
Stockil, Raymond O., Ladysmith, Natal, Union of South Africa. Folding chair. 20,384; May 25.
Whealan, James E., et al. (See Hall, E. E., and Eichelman, assignors.)

LIST OF DESIGN PATENTEES

Adams, Lysle E. (See Adams, Willis B., assignor.)
Adams, Lysle E., Chicago, Ill., assignor to himself, as trustee. Jar. 104,621; May 25.
Adams, Willis Burton, Chicago, Ill., assignor to Lysle E. Adams, as trustee. Jar. 104,622; May 25.
Ahlquist, Arthur A., Norwood, R. I., assignor to Uncas Manufacturing Company. Ring mounting. 104,672; May 25.
Amberger, Fritz L., New York, N. Y. Type font. 104,673; May 25.
Autopoint Company. (See Deli, Frank C., assignor.)
Ayer, Harriet Hubbard, Inc. (See Lux, Eugene J., assignor.)
Baff, Abraham, North Arlington, N. J. Fountain pen. 104,646; May 25.
Bastinck, François, Jersey City, N. J. Milk can cover. 104,647; May 25.
Belden Manufacturing Company. (See Loewy, Raymond, assignor.)
Bernstein, Milton, Brooklyn, assignor to National Silver Company, New York, N. Y. Fork or similar article. 104,648; May 25.
Biva, Lucien, Bronx, N. Y., assignor to O. Timme, doing business under name and style of E. F. Timme & Son, New York, N. Y. Rug. 104,674; May 25.
Black & Decker Manufacturing Company, The. (See Decker, Alonzo G., assignor.)
Black, Louise L., Chicago, Ill. Container or similar article. 104,649; May 25.
Bricker, Carrie M., Cleveland, Ohio. Pastry blender. 104,608; May 25.
Bridge, George L., Ladue Village, Mo. Space heater. 104,609; May 25.
Burdick Corporation, The. (See Haggstrom, Arthur C., assignor.)
Buxton, Warner R., Longmeadow, Mass. Pocket guard. 104,610; May 25.
Cahalane, Daniel C., Hilldale, N. J. Toy washing machine. 104,611; May 25.
Carr-Lowrey Glass Co. (See Lloyd, Philip G., assignor.)
Central Metallic Casket Co. (See Larson, Raymond, assignor.)
Cohen, David C. (See Trojan, José, assignor.)
Cohen, Harry New York, N. Y. Slip. 104,675; May 25.
Concord Silversmiths Corporation. (See Simms, Charles F., assignor.)
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Box. 104,650; May 25.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Lunch box. 104,651; May 25.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Lunch box. 104,652; May 25.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Lunch box. 104,653; May 25.
Craddock, William H., assignor to Verbury, Inc., Kansas City, Mo. Button. 104,654; May 25.
Crosley Radio Corporation, The. (See Teague, Walter D., assignor.)
Crystal Manufacturing Co. (See Trojan, José, assignor.)
Decker, Alonzo G., assignor to The Black & Decker Manufacturing Company, Towson, Md. Portable power driven tool unit. 104,623; May 25.
Deli, Frank C., assignor to Autopoint Company, Chicago, Ill. Pencil or similar article. 104,676; May 25.
Diaz, Grace, New York, N. Y. Dress ensemble. 104,677; May 25.
Dunlop Tire and Rubber Corporation. (See Hardeman, William E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Puppo, Joseph A., assignor.)
Eagle Pencil Company. (See Hanle, Benjamin W., assignor.)
Eaton, Albert N., Omaha, Nebr. Feed trough. 104,624; May 25.
Eck, Joseph B., Sheboygan, Wis. Coaster wagon. 104,678; May 25.
Eck, Joseph B., Sheboygan, Wis. Scooter. 104,679; May 25.
Edelmann, E., & Co. (See Thomas, Joseph C., assignor.)
Eleso Leather Embossing Co. (See Singer, Hyman, assignor.)
Englebardt, Charles P., assignor to Oldetyme Distillers, Inc., New York, N. Y. Bottle. 104,655; May 25.
Etten, Nicholas L., Waterloo, Iowa. Clothes wringer. 104,612; May 25.
Fostoria Glass Company. (See Sakier, George, assignor.)
Fostoria Glass Company. (See Williams, Findley, assignor.)
Fried, Benjamin, New York, N. Y. Dress. 104,680; May 25.
Fronenberg, Joseph H., Los Angeles, Calif. Pedestal clock. 104,658; May 25.
Fuerst, Brooks D. (See Fuerst, Edwin W., and B. D.)
Fuerst, Brooks D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. 104,659; May 25.
Fuerst, Edwin W. and B. D., assignors to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 104,656; May 25.
Fuerst, Edwin W. and B. D., assignors to Owens-Illinois Glass Company, Toledo, Ohio. Jug. 104,657; May 25.
Gross, Daniel, Yonkers, N. Y. Net fabric or similar article. 104,681; May 25.
Gross, Daniel, Yonkers, N. Y. Net fabric or similar article. 104,682; May 25.
Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Ash tray. 104,625; May 25.
Guild, Lurelle, Darien, Conn., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Instrument case. 104,626; May 25.
Haggstrom, Arthur C., Rockford, Ill., assignor to The Burdick Corporation, Milton, Wis. Electrotherapeutic apparatus cabinet. 104,613; May 25.
Hallak, Tofick L. (See Thompson, E. A., and Hallak.)
Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y. Desk stand. 104,660; May 25.
Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y. Desk stand. 104,661; May 25.

Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y. Base for a desk stand. 104,662; May 25.
Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y. Desk stand. 104,663; May 25.
Hardeman, William E., Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire. 104,683; May 25.
Hausman, Abraham, New York, N. Y. Textile fabric. 104,684; May 25.
Heger, Joseph J., assignor to Universal Vacuum Products Company, Chicago, Ill. Combined X-ray tube and transformer case and bracket. 104,614; May 25.
Heinz, Rust, Pasadena, Calif. Automobile. 104,685; May 25.
Hitchcock, Richard C., Upper Montclair, and U. L. Smith, Towaco, N. J., assignors to Westinghouse Electric and Manufacturing Company. Transformer casing. 104,627; May 25.
Housholder, Owen. (See Trojan, José, assignor.)
Hurzeler, Alphons, New Rochelle, N. Y. Shoe. 104,664; May 25.
Iannelli, Alfonso, Park Ridge, assignor to The Wahl Company, Chicago, Ill. Clip for writing implements or the like. 104,686; May 25.
Iannelli, Alfonso, Park Ridge, assignor to The Wahl Company, Chicago, Ill. Clip for writing implements or the like. 104,687; May 25.
Jackson, Oscar F., Eaton County, assignor to Luce Manufacturing Company, Lansing, Mich. Vehicle. 104,688; May 25.
Jacob, Moe, New York, N. Y. Riding boot. 104,665; May 25.
Jaeger, Adolph C., Port Chester, N. Y. Textile fabric or similar article. 104,689; May 25.
Kennelly, Jeremiah D., Oak Park, Ill., assignor of one-half to E. V. Mars. Combined lamp and horn. 104,628; May 25.
Kennelly, Jeremiah D., Oak Park, Ill., assignor of one-half to E. V. Mars. Combined lamp and horn. 104,629; May 25.
Korengold, John A., Chicago, Ill. Photographic projector. 104,690; May 25.
Lambert, Maurice H., Kalamazoo, Mich. Top. 104,691; May 25.
Larson, Raymond, assignor to Central Metallic Casket Co., Chicago, Ill. Handle for a casket or analogous article. 104,630; May 25.
Larson, Raymond, assignor to Central Metallic Casket Co., Chicago, Ill. Corner ornament for a casket or analogous article. 104,631; May 25.
Larson, Raymond, assignor to Central Metallic Casket Co., Chicago, Ill. Plate for a casket or analogous article. 104,632; May 25.
Larson, Raymond, assignor to Central Metallic Casket Co., Chicago, Ill. Handle for a casket or analogous article. 104,633; May 25.
Larson, Raymond, assignor to Central Metallic Casket Co., Chicago, Ill. Corner ornament for a casket or analogous article. 104,634; May 25.
Lloyd, Philip G., Jackson Heights, N. Y., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 104,666; May 25.
Loewy, Raymond, New York, N. Y., assignor to Belden Manufacturing Company, Chicago, Ill. Electric connecter plug. 104,692; May 25.
Loewy, Raymond, New York, N. Y., assignor to Belden Manufacturing Company, Chicago, Ill. Electric connecter plug. 104,693; May 25.
Loewy, Raymond, New York, N. Y., assignor to Belden Manufacturing Company, Chicago, Ill. Electric connecter plug. 104,694; May 25.
Luce Manufacturing Company. (See Jackson, Oscar F., assignor.)
Lux, Eugene J., assignor to Harriet Hubbard Ayer, Inc., New York, N. Y. Vanity case or similar article. 104,695; May 25.
Lycoming Manufacturing Company. (See Rohde, Gilbert, assignor.)
Mackelfresh, William E., Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Ashtray. 104,635; May 25.
Mars, Ethel V. (See Kennelly, Jeremiah D., assignor.)
Mas, George N., Washington, D. C. Bottle. 104,696; May 25.
Miller, John M., Arlington, Va. Accordion or the like. 104,615; May 25.
Mitler, Morris, New York, N. Y. Combined tufted and embroidered fabric. 104,697; May 25.
National Silver Company. (See Bernstein, Milton, assignor.)
Odenerants, Hans H. C., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 104,667; May 25.
Ohio Thermometer Company, The. (See Rizer, Carl L., assignor.)
Oldetyme Distillers, Inc. (See Englebardt, Charles P., assignor.)
Owens-Illinois Can Company. (See Connor, Martha H., assignor.)
Owens-Illinois Can Company. (See Connor, Martha H., assignor.)
Owens-Illinois Glass Company. (See Fuerst, E. W. and B. D., assignors.)
Owens-Illinois Glass Company. (See Fuerst, Brooks D., assignor.)
Owens-Illinois Glass Company. (See Fuerst, Edwin W., and B. D., assignors.)
Owens-Illinois Glass Company. (See Mackelfresh, William E. Jr., assignor.)
Perry, Mattie E., Orlando, Fla. Flower holder. 104,636; May 25.
Pilliod Cabinet Company, The. (See Pilliod, Thomas J., assignor.)
Pilliod, Thomas J., assignor to The Pilliod Cabinet Company, Swanton, Ohio. Article display case. 104,698; May 25.
Pilliod, Thomas J., assignor to The Pilliod Cabinet Company, Swanton, Ohio. Article display case. 104,699; May 25.
Pilliod, Thomas J., assignor to The Pilliod Cabinet Company, Swanton, Ohio. Article display case. 104,700; May 25.
Precision Metal Workers. (See Grunwald, Albert C., assignor.)
Puppo, Joseph A., Crestwood, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial leather. 104,637; May 25.
Puppo, Joseph A., Crestwood, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial leather. 104,638; May 25.
Puppo, Joseph A., Crestwood, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial leather. 104,639; May 25.
Ribera, Lucien, New York, N. Y. Finger ring. 104,640; May 25.
Rice, Verne L., Shrewsbury, Mass., assignor to Wiley-Bickford-Sweet Corp., Worcester, Mass. Slipper. 104,668; May 25.
Rizer, Carl L., assignor to The Ohio Thermometer Company, Springfield, Ohio. Desk thermometer. 104,641; May 25.
Robinson Slay Products Company, The. (See Wagner, Edwin D., assignor.)
Rohde, Gilbert, New York, N. Y., assignor to Lycoming Manufacturing Company, Williamsport, Pa. Boiler jacket. 104,701; May 25.
Ross, Walter, New York, N. Y. Textile fabric. 104,702; May 25.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. 104,703; May 25.
Schein, Samuel, Brooklyn, N. Y. Display stand for perfume bottles or the like. 104,616; May 25.
Scheuer, Samuel, New York, N. Y. Hat. 104,704; May 25.
Songbusch, Gustav J., Milwaukee, Wis. Inkstand. 104,669; May 25.
Shanzer, Max, New York, N. Y. Slipper. 104,670; May 25.
Simms, Charles F., assignor to Concord Silversmiths Corporation, Concord, N. H. Spoon or other article of flatware. 104,671; May 25.
Singer, Hyman, assignor to Eleso Leather Embossing Co., Inc., New York, N. Y. Embossed leather. 104,705; May 25.
Sinko, John, Oak Park, Ill. Steering wheel device. 104,706; May 25.
Smith, Uel L. (See Hitchcock, R. C., and Smith.)
Stanbury, William E., assignor to Verbury, Inc., Kansas City, Mo. Button. 104,707; May 25.
Steffens, George V., Clayton, Mo. Beverage cooler. 104,617; May 25.
Sylvester, Joseph, Hollis, N. Y. Golf club. 104,642; May 25.
Teague, Walter D., New York, N. Y., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Therapeutic apparatus cabinet. 104,643; May 25.
Thomas, Joseph C., Akron, Ohio, assignor to E. Edelmann & Co., Chicago, Ill. Battery service kit or the like. 104,708; May 25.
Thompson, Edwin A., and T. L. Hallak, Kansas City, Mo. Cream whipper appliance. 104,644; May 25.
Timme, Otto. (See Biva, Lucien, assignor.)
Timme, E. F., & Son. (See Biva, Lucien, assignor.)
Tourigny, Eugene L., assignor to United Comb and Novelty Company, Inc., Leominster, Mass. Combination brush and mirror. 104,618; May 25.
Trojan, José, assignor to O. Householder and D. C. Cohen, a copartnership doing business as Crystal Manufacturing Co., Chicago, Ill. Combined sign and clock or similar article. 104,709; May 25.
Turpan, Mark, West New York, N. J. Textile fabric. 104,710; May 25.
Uncas Manufacturing Company. (See Ahlquist, Arthur A., assignor.)
United Comb and Novelty Company. (See Tourigny, Eugene L., assignor.)
Universal Vacuum Products Company. (See Heger, Joseph J., assignor.)
Valley Shoe Corporation. (See Odenerants, Hans H. C., assignor.)
Verbury, Inc. (See Craddock, William H., assignor.)
Verbury, Inc. (See Stanbury, William E., assignor.)
Vuillemenot, Frederic A., Toledo, Ohio. Atomizer. 104,619; May 25.

Wagner, Edwin D., Akron, Ohio, assignor to The Robinson Clay Products Company, Akron, Ohio. Chimney top. 104,620; May 25.
Wahl Company, The. (See Iannelli, Alfonso, assignor.)
Welch, George F., Fort Wayne, Ind. Toy. 104,645; May 25.
Westinghouse Electric and Manufacturing Company. (See Hitchcock, R. C., and Smith, assignors.)
Weston Electrical Instrument Corporation. (See Guild, Lurelle, assignor.)
Weston, Eugene W., Elginburgh, Canada. Combined battery and booster case or similar article. 104,711; May 25.
Wiley-Bickford-Sweet Corp. (See Rice, Verne L., assignor.)
Williams, Findley, Chicago, Ill., assignor to Fostoria Glass Company, Moundsville, W. Va. Centerpiece or similar article. 104,712; May 25.
Zendman, Isaac, Jr., New York, N. Y. Lace. 104,713; May 25.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A-B Stove Company. (See Reedy, Alfred J., assignor.)
Abbott, Scott M., Chicago, Ill. Cooky blank forming roll. 2,081,724; May 25.
Abell, John W., assignor to Turner & Seymour Manufacturing Company, Torrington, Conn. Button. 2,081,259; May 25.
Adams, Loney B., St. Petersburg, Fla. Orthopedic sandal. 2,081,655; May 25.
Adams, Oscar C., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and the manufacture thereof. 2,081,211; May 25.
Adamson, Lloyd V., and H. H. Hoy, Fillmore, Calif. Dry shaver. 2,081,129; May 25.
Aguas Purificadas, Sociedad Anonima et al. (See de Echagaray, Salvador, assignor.)
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control device. 2,081,444; May 25.
Ainsa, Richard A., San Diego, Calif. Storage bin construction. 2,081,725; May 25.
Akergren, Johan E., assignor of one-third to F. A. Fischel, Chicago, Ill. Paint brush holder. 2,081,570; May 25.
Aktiebolaget Rosenblads Patenter. (See Rosenblad, Curt F. assignor.)
Albano, Peter, Pelham Manor, N. Y. Table construction. 2,081,212; May 25.
Alco Products, Incorporated. (See Wallis, J. S., and Mahoney, assignors.)
Aldridge, Blair G., assignor to Union Oil Company of California, Los Angeles, Calif. Dewaxing oil. 2,081,287; May 25.
Alford, Andrew, assignor to Mackay Radio and Telegraph Company, New York, N. Y. Antenna. 2,081,162; May 25.
Allgemeine Elektricitatz Gesellschaft. (See König, Erwin, assignor.)
Allgemeine Elektricitatz Gesellschaft. (See Rupp, Emil, assignor.)
Allin, George S., Seattle, Wash., and T. P. Flynn, Portland, Oreg. Rock blade for bulldozers. 2,081,192; May 25.
Allis-Chalmers Manufacturing Company. (See Winograd, Harold, assignor.)
Altgelt, Herman E., South Bend, Ind., assignor to Oliver Farm Equipment Company. Power lift and power driven potato digger. 2,081,346; May 25.
Aluminum Company of America. (See Andersen, E. F., and Hogg, assignors.)
Ambler, Charles M., Jr., Philadelphia, and C. E. Underwood, Bethlehem; said Ambler, Jr., assignor to The Sharples Specialty Company, Philadelphia, and said Underwood assignor to Bethlehem Steel Company, Bethlehem, Pa. Extracting tar acids from crude tar. 2,081,692; May 12.
American Arch Company. (See Antill, Philip W., assignor.)
American District Steam Company. (See Gysling, Manuel H., assignor.)
American Fork & Hoe Company, The. (See Fifield, Albert F., assignor.)
American Pearl Button Company. (See Knott, Harry H., assignor.)
American Radiator Company. (See Cornell, Edward S., assignor.)
American Smelting and Refining Company. (See Betterton, J. O., and Perkins, assignors.)
American Steel and Wire Company of New Jersey, The. (See Leonard, William E., assignor.)
American Steel and Wire Company of New Jersey, The. (See McNamee, Owen A., assignor.)
American Stove Company. (See Kauffman, Lester S., assignor.)
American Swiss Company, The. (See Rightmyer, Holden W., assignor.)
American Telephone and Telegraph Company. (See Thorp, Vaughn P., assignor.)
Andersen, Eli F., and E. E. Hogg, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Closure. 2,081,138; May 25.
Anderson, Carl L. (See Turner, H. L., and Anderson.)
Anderson Products, Incorporated. (See Chittick, Charles Y., assignor.)
Andreatta, Lawrence, assignor of one-half to Santo Ceretta, Chicago, Ill. Mechanical figure toy. 2,081,785; May 25.
Andrews, L. V., and H. F. Walton, assignors to Riley Stoker Corporation, Worcester, Mass. Magnetic separator. 2,081,445; May 25.
Andrus, Burton R. (See Wilhelm, G. L., and Andrus.)

Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,081,347; May 25.
Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,081,348; May 25.
Anglada, Joseph A., A. H. Asprooth, and C. L. Christensen, assignors to Anglada Motor Corporation, New York, N. Y. Internal combustion engine. 2,081,260; May 25.
Anglada Motor Corporation. (See Anglada, J. A., Asprooth, and Christensen, assignors.)
Anibal, Benjamin H., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Engine stabilizer. 2,081,213; May 25.
Anibal, Benjamin H., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Articulated propeller shaft. 2,081,214; May 25.
Anthony, Herman R. C., assignor to Ray-O-Vac Company, Madison, Wis. Carton. 2,081,656; May 25.
Antill, Philip W., Ridgefield Park, N. J., assignor to American Arch Company, New York, N. Y. Furnace wall construction. 2,081,417; May 25.
Apex Electrical Manufacturing Company, The. (See Racklyeft, John W., assignor.)
Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control. 2,081,288; May 25.
Ashley, Frank M., Great Kills, N. Y. Counting register. 2,081,693; May 25.
Asprooth, Axel H. (See Anglada, J. A., Asprooth, and Christensen.)
Atlas Powder Company. (See McFarland, David M., assignor.)
Atwell, Harold V., White Plains, N. Y., assignor to Standard Oil Company, Chicago, Ill. Distribution of fuel gases. 2,081,130; May 25.
Atwood, George D., Brooklyn, N. Y. Spool. 2,081,418; May 25.
Austenal Laboratories, Inc. (See Prange, Charles H., assignor.)
Automotive Products Company Limited. (See Trapp, George J., assignor.)
Ayres, Pennie R., Roanoke, Va. Clock. 2,081,289; May 25.
Baade, Henry, assignor to Bendix Products Corporation, South Bend, Ind. Coupling. 2,081,571; May 25.
Babbin, Edward, Spring Valley, N. Y. Automatic mixing valve. 2,081,726; May 25.
Backer, Leslie H., Summit, N. J., J. H. Keenan, Brookline, Mass., and J. L. Kopf, East Orange, N. J., assignors to Jabez Burns & Sons, Inc., New York, N. Y. Roasting apparatus. 2,081,349; May 25.
Bagno, Samuel J. A. M., New York, N. Y., assignor, by mesne assignments, to Electrad, Inc. Attenuator. 2,081,572; May 25.
Bagpak, Inc. (See Cundall, L. A., and Cheatham, assignors.)
Baban, William H., Greenville, S. C. Shuttle box and binder. 2,081,319; May 25.
Bain, William H., Westwood, Ohio. Last protector. 2,081,879; May 25.
Bain, William H., Auburn, Maine. Making shoes. 2,081,887; May 25.
Baker, Arthur G., assignor to Simplex Automatic Press Feeder Corporation, Dearborn, Mich. Automatic feed for printing machines. 2,081,523; May 25.
Baker & Company. (See Krivig, Stephen J., assignor.)
Baldwin-Southwark Corporation. (See de Forest, Alfred V., assignor.)
Baldwin-Southwark Corporation. (See Neeson, Charles R., assignor.)
Baldwin-Southwark Corporation. (See Peters, Orville S., assignor.)
Baldwin-Southwark Corporation. (See Peters, O. S., and von Heydekampf, assignors.)
Baldwin-Southwark Corporation. (See Sharp, Robert E. B., assignor.)
Baldwin-Southwark Corporation. (See Zwickl, Joseph R., assignor.)
Ball Brothers Company. (See Moorshead, Thomas C., assignor.)
Balthis, Ben Douglass, Glendale, assignor to Natural Gas Equipment Inc., Los Angeles, Calif. Gas burner and combustion control apparatus. 2,081,657; May 25.
Barényi, Árpád, Berlin-Steglitz, assignor to Voigtländer & Sohn Aktiengesellschaft, Brunswick, Germany. Retarding mechanism for photographic shutters. 2,081,727; May 25.

Barium Reduction Corporation. (See Pierce, James B., Jr., assignor.)
Barks, Frank S., and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 2,081,163; May 25.
Barnes, Charles D., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Solvent extraction of petroleum fractions. 2,081,524; May 25.
Barnes, Frederick J. T., Brisbane, Queensland, Australia. Means for use with drawing-off liquids from containers. 2,081,131; May 25.
Barnes, Frederick J. T., Brisbane, Queensland, Australia. Means for use in drawing off liquids from containers. 2,081,132; May 25.
Barrett Company, The. (See Pearl, John W., assignor.)
Bartholomew, Robert J., Germantown, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Thread covering machine. 2,081,573; May 25.
Bartlett, John N., Cleveland, Ohio. Amusement device. 2,081,261; May 25.
Bartram, Thomas W., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Preservation of rubber. 2,081,613; May 25.
Bassett, Ethel N., Lincoln, Nebr. Bathtub. 2,081,728; May 25.
Baumann, Erich. (See Matzdorf, G., and Baumann.)
Beals, Albert F., Kansas City, Mo., and E. E. Pudge, Salina, assignors to Universal Rotary Motors Company, Salina, Kans. Gas engine. 2,081,139; May 25.
Beck, Charles W., assignor, by mesne assignments, to N. M. Beck, Toledo, Ohio. Spoke and rim connection. 2,081,729; May 25.
Beck, Nellie M. (See Beck, Charles W., assignor.)
Becker, John H., Ridgewood, N. J., assignor to Warp Twisting-In Machine Company, New York, N. Y. Warp twisting-in machine. 2,081,262; May 25.
Behrens, Herbert C., Woodlyn, Pa. Locomotive gear transmission. 2,081,846; May 25.
Bell Punch Company Limited. (See Wohlrabe, Otto, assignor.)
Bell Telephone Laboratories, Incorporated. (See Bjornson, Bjorn G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fay, Clifford E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Firth, N. V., and Hall, assignors.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stoller, H. M., and Morton, assignors.)
Bell Telephone Laboratories, Incorporated. (See Veazie, Edmund A., assignor.)
Bendix Aviation Corporation. (See Breese, Robert P., assignor.)
Bendix Aviation Corporation et al. (See Cunningham, M. M., and Bradley, assignors.)
Bendix Aviation Corporation. (See La Brie, Ludger E., assignor.)
Bendix Aviation Corporation. (See Wolcott, Carl H., assignor.)
Bendix Brake Company. (See Carroll, Eugene G., assignor.)
Bendix Products Corporation. (See Baade, Henry, assignor.)
Bendix Products Corporation. (See La Brie, Ludger E., assignor.)
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,081,263; May 25.
Benschoter, James C., Stockton, Calif., assignor to Fibreboard Products Inc., San Francisco, Calif. Carton. 2,081,419; May 25.
Bent, Edgar D., Montreal, and W. H. Eastlake, Mount Royal, Quebec, Canada, assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical conductor. 2,081,420; May 25.
Berman, Phoebus, Los Angeles, Calif. Bottle nozzle. 2,081,525; May 25.
Bernardin Bottle Cap Co. (See Spahn, John R., assignor.)
Bernstein, John E. (See Diamond, Leon W., assignor.)
Bersted, Alfred, Fostoria, Ohio. Waffle mold. 2,081,164; May 25.
Bethlehem Steel Company. (See Ambler, C. M., Jr., and Underwood, assignor.)
Betterton, Jesse O., Metuchen, and M. F. Perkins, Woodbridge, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Furnace. 2,081,421; May 25.
Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. Television system. 2,081,730; May 25.
Birdsall, Wilfred T., assignor, by mesne assignments, to Eskimo Pie Corporation, New York, N. Y. Confection coating machine. 2,081,888; May 25.
Bisel, Edwin J., Uniontown, Pa. Measuring apparatus. 2,081,133; May 25.
Bjornson, Bjorn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in signaling systems. 2,081,422; May 25.
Black-Clawson Company, The. (See Howard, Charles W., assignor.)
Blake, Harold D. (See Strickland, R. F., Blake, and McLean.)
Blasquez, Francisco, and A. Ordorica, Mexico, D. F., Mexico. Display, direction, or guide apparatus. 2,081,786; May 25.
Blau, Ludwig W., Houston, Tex., assignor to Standard Oil Development Company. Method and apparatus for eliminating low frequencies. 2,081,350; May 25.
Bleam, Edgar W., assignor to Stokes and Smith Company, Philadelphia, Pa. Filling machine. 2,081,526; May 25.
Bley, Rudolph S. (See Byron, T. H., and Bley.)
Blomgren, Henry E., Floral Park, assignor of one-fourth to W. D. McGurn, Rockville Centre, Long Island, N. Y. Valve cam operation. 2,081,658; May 25.
Blood, Charles R., Sacramento, Calif., assignor of twenty-four per cent to W. H. Gerber, and twenty-four per cent to G. S. Tyler. Asphalt conditioning and charging device. 2,081,472; May 25.
Bloss, Richard R., and R. C. Pfeil, Columbus, Ohio, assignors to The International Derrick & Equipment Company, Columbus, Ohio. Counterbalancing device. 2,081,140; May 25.
Bloss, Richard R., and R. C. Pfeil, assignors to The International Derrick & Equipment Company, Columbus, Ohio. Counterbalancing device. 2,081,141; May 25.
Boeing Aircraft Company. (See Canney, Frank R., assignor.)
Böhme Fettchemie-Gesellschaft mit beschrankter Haftung. (See Prückner, Hermann, assignor.)
Bold, John W. (See Ryan, W. M., and Bold.)
Bonami, Ottorino. (See Tamminga, W., and Bonami.)
Bonomi, Ottorino. (See Tamminga, W., Bonomi, and Corradini.)
Bonomi, Ottorino. (See Tamminga, W., Bonomi, Corradini, and Jones.)
Boosey, Edward W. N., Detroit, Mich. Grease interceptor. 2,081,215; May 25.
Booth, Charles F., and J. E. Malowan, Anniston, Ala., assignors, by mesne assignments, to Monsanto Chemical Company. Treatment of phosphoric acid. 2,081,351; May 25.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Noncrystallizing rosin composition and method of producing. 2,081,889; May 25.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Refining rosin. 2,081,890; May 25.
Boss, John W., assignor to Chromium Products Corporation, Livingston, Mont. Electrolytic process and apparatus for the production of chromic acid and caustic alkali. 2,081,787; May 25.
Bosserman, Walter H., Winchester, Va. Rug display rack. 2,081,216; May 25.
Bostock, Raymond N. (See Rue, H. E., and Bostock.)
Botting, Percy B., Sr., Troup, Tex. Center punch. 2,081,217; May 25.
Bottum, Edward W., Detroit, Mich. Refrigerator cabinet. 2,081,788; May 25.
Bouwers, Albert, assignor, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. X-ray tube having a rotary anode. 2,081,789; May 25.
Bradley, Charles E. (See Cunningham, M. M., and Bradley.)
Bragg-Kliesrath Corporation. (See Fawick, Thomas L., assignor.)
Branaman, Billy B., Sr., Marysville, Calif. Watch cleaning machine. 2,081,142; May 25.
Brander, Oscar. (See Eskilson, N., and Brander.)
Brasty, Joseph. (See Morgenstern, J., and Brasty.)
Braun, Constantine A., Pottsville, Pa. Turn indicating system and apparatus. 2,081,790; May 25.
Bray, Ulric B., Palos Verdes Estates, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Treating oils. 2,081,473; May 25.
Bray, Ulric B., assignor to Union Oil Company of California, Los Angeles, Calif. Producing lubricating oil. 2,081,731; May 25.
Bray, Ulric B., Palos Verdes Estates, and D. E. Carr, Naples, assignors to Union Oil Company of California, Los Angeles, Calif. Dewaxing oils. 2,081,732; May 25.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Separating wax from asphalt-wax mixtures. 2,081,733; May 25.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Treating oils. 2,081,734; May 25.
Breese, Robert P., assignor to Bendix Aviation Corporation, South Bend, Ind. Gear shifting mechanism. 2,081,527; May 25.
Brenn, Carl W., Montclair, N. J. News and advertisement exhibiting. 2,081,264; May 25.
Brenn, Carl W., Montclair, N. J. News and advertisement exhibiting. 2,081,265; May 25.
Breitenstein, Charles J., and D. E. Hooker, assignors to R. T. Moloney, Chicago, Ill. Check handling apparatus. 2,081,193; May 25.
Bretney, Carl E., Cleveland, Ohio. Kitchen utensil. 2,081,165; May 25.
Brett, Henry E., Los Angeles, Calif. Continuous pressure-cooker and sterilizer. 2,081,446; May 25.
Brodersen, Karl, Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Wetting agents for the use in mercerizing lyes. 2,081,528; May 25.

Bromagem, Irl R., Union City, Ind. Chair. 2,081,791; May 25.

Brooks, Benjamin T., Old Greenwich, Conn., assignor to Standard Alcohol Company. Making alcohols by use of ethyl sulphuric acid. 2,081,166; May 25.

Brown, Albert E., assignor to Truscon Steel Company, Youngstown, Ohio. Joint for railroad crossings. 2,081,352; May 25.

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Loom shuttle. 2,081,393; May 25.

Brown, Harold G., Scottsville, Ky. Automatic safety device for hydraulic brakes. 2,081,659; May 25.

Brownstein, Louis, assignor to Standard Hanger Co., Inc., Brooklyn, N. Y. Garment hanger making machine. 2,081,167; May 25.

Bruce, E. L., Co. (See Lyons, Frank H., assignor.)

Bruecker, John, Chicago, Ill. Electric shaver. 2,081,694; May 25.

Brush Development Company, The. (See Williams, Alfred L. W., assignor.)

Bruson, Herman A., Germantown, assignor to The Resinous Products & Chemical Co. Inc., Philadelphia, Pa. Condensation product of castor oil with half ester of maleic acid. 2,081,266; May 25.

Bryan Engineering Company, Inc. (See Dodge, Harry H., assignor.)

Buckley, John P., Washington, D. C. Aeronautical device. 2,081,134; May 25.

Bueschel, Andrew E., assignor, by mesne assignments, to Carton & Specialties, Inc., Chicago, Ill. Carton. 2,081,574; May 25.

Bullington, Dorothy J., Highland Park, Mich. Child's garment. 2,081,290; May 25.

Burgess, C. F., Laboratories, Inc. (See Germomprez, John A., assignor.)

Burgess, James R., assignor to Canadian Wallpaper Manufacturers Limited, Toronto, Ontario, Canada. Doctor blade for rolls, traveling webs and the like. 2,081,320; May 25.

Burk, Robert E., assignor to The Standard Oil Company, Cleveland, Ohio. Stabilizing motor fuel against gum formation. 2,081,218; May 25.

Burns, Jabez, & Sons, Inc. (See Backer, L. H., Keenan, and Kopf, assignors.)

Burns, William C., Yamhill, Oreg. Cuboid-metatarsal arch support. 2,081,474; May 25.

Burroughs Adding Machine Company. (See Racz, Ernest, assignor.)

Burman, Leo T., Portage Township, Kalamazoo County, Mich. Closure cap structure. 2,081,614; May 25.

Byer, Henry E., Rosebank, N. Y. Apparatus for obtaining exposed liquid surfaces. 2,081,615; May 25.

Byron Jackson Co. (See Mendenhall, E., and Van Horn, assignors.)

Byron, Thomas H., and R. S. Bley, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Preparing cellulosic spinning solutions and soft-luster products thereof. 2,081,847; May 25.

Byron, Thomas H., and R. S. Bley, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Preparing cellulosic spinning solutions and soft-luster products thereof. 2,081,848; May 25.

Byron, Thomas H., and R. S. Bley, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Preparing cellulosic spinning solutions and soft-luster products thereof. 2,081,849; May 25.

Cadzow, Robert. (See Dowsett, H. M., and Cadzow.)

Caldwell, D. H. (See Long, Albert S., assignor.)

Campbell, John, and L. O. Rolleston, Glens Falls, assignors to International Paper Company, New York, N. Y. Bleached cellulosic product. 2,081,267; May 25.

Canadian Wallpaper Manufacturers Limited. (See Burgess, James R., assignor.)

Canner, Max O., Brooklyn, and A. Duff, assignors of one-third to E. Lustig, New York, N. Y. Safety receptacle. 2,081,268; May 25.

Canney, Frank R., assignor to Boeing Aircraft Company, Seattle, Wash. Airplane sleeping berth arrangement. 2,081,529; May 25.

Carlbom, Axel G. H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Leverage changing mechanism for vehicle brakes. 2,081,660; May 25.

Carlson, George, Richmond, Calif. Mileage indicator for vehicles. 2,081,321; May 25.

Carlson, John E., Forestville, assignor to The Trumbill Electric Manufacturing Company, Plainville, Conn. Snap action thermostatic switch. 2,081,269; May 25.

Carmichael, William A., and F. H. Hart, assignors to C. Cowles and Company, New Haven, Conn. Mounting for door handles. 2,081,447; May 25.

Carmody, William H., Pittsburgh, Pa., assignor to The Neville Company. Heavy oil. 2,081,448; May 25.

Carney, Samuel C., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Process and apparatus for conducting chemical reactions. 2,081,322; May 25.

Caronia, Frank J., New Hyde Park, N. Y. Roofing tool. 2,081,735; May 25.

Carr, Donald E. (See Bray, U. B., and Carr.)

Carr, Donald E., Naples, assignor to Union Oil Company of California, Los Angeles, Calif. Purifying naphthenic acids. 2,081,475; May 25.

Carroll, Eugene G., Los Angeles, Calif., assignor to Bendix Brake Company, South Bend, Ind. Fluid brake. 2,081,575; May 25.

Carter, Bernard M., Montclair, N. J., assignor to General Chemical Company, New York, N. Y. Production of carbon bisulphide. 2,081,576; May 25.

Carton & Specialties, Inc. (See Bueschel, Andrew E., assignor.)

Casajuana, Amado. (See Viscasillas, Jose, assignor.)

Cassanos, Demetrios H. (See Cassanos, Harilaos D. and D. H.)

Cassanos, Harilaos D. and D. H., Woburn, Mass. Pocket toothbrush. 2,081,792; May 25.

Caterpillar Tractor Co. (See Gustafson, Carl A., assignor.)

Catland, Alfred C. (See Howard, J. H., and Catland.)

Catland, Alfred C., Alhambra, assignor to Globe Oil Tools Company, Los Nictos, Calif. Core pump. 2,081,194; May 25.

Catland, Alfred C., Alhambra, and J. H. Howard, Huntington Park, said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif. Core recovering tool. 2,081,195; May 25.

Celanese Corporation of America. (See Dickie, W. A., and Sowter, assignors.)

Celanese Corporation of America. (See Schneider, George, assignor.)

Celluloid Corporation. (See Hoarle, Fred J., assignor.)

Celon Company, The. (See Ford, J. C., and Olson, assignors.)

Central Commercial Company. (See Teetor, Paul, assignor.)

Ceretta, Santo. (See Andreatta, Lawrence, assignor.)

Chalatow, Leon S., Boston, assignor to Philip A. Jerguson, Medford, Mass. Apparatus for regulating the level of liquid. 2,081,891; May 25.

Chandler, Frank J., assignor to The Perfotex Company, Toledo, Ohio. Compound-intrusive porosity machine and method. 2,081,219; May 25.

Cheatham, Orme E. (See Cundall, L. A., and Cheatham.)

Chicago Flexible Shaft Company. (See Wright, Horace C., assignor.)

Child, Cyril, and H. A. Thomas, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Coloring matters. 2,081,736; May 25.

Chittick, Charles Y., Newton Center, Mass., assignor, by mesne assignments, to Anderson Products, Incorporated. Brake booster for automotive vehicles. 2,081,737; May 25.

Christensen, Conrad L. (See Anglada, J. A., Asprooth, and Christensen.)

Chromium Products Corporation. (See Boss, John W., assignor.)

Cincinnati Grinders Incorporated. (See Conover, Richard E., assignor.)

Clark, Waldo E., assignor to F. M. Sibley Lumber Company, Detroit, Mich. Window structure. 2,081,695; May 25.

Clémencet, Louis E. (See Roux, Charles.)

Clifton, Herbert L., et al. (See Rhodes B. F., Clifton, W. A., and Clifton, H. L.)

Clifton, William A., et al. (See Rhodes, B. F., Clifton, W. A., and Clifton, H. L.)

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Ro Ko Corporation, Reno, Nev. Liquid operated pump. 2,081,220; May 25.

Coberly, Clarence J., Los Angeles, Calif., assignor to RoKo Corporation, Reno, Nev. 2,081,222; May 25.

Coberly, Clarence J., Los Angeles, Calif., assignor to RoKo Corporation, Reno, Nev. Fluid operated deep well pump. 2,081,223; May 25.

Coberly, Clarence J., Los Angeles, Calif., assignor to RoKo Corporation, Reno, Nev. Deep well pumping means and inlet member therefor. 2,081,225; May 25.

Coberly, Clarence J., and C. F. Hanson, Los Angeles, Calif., assignors, by mesne assignments, to RoKo Corporation, Reno, Nev. High pressure pump. 2,081,221; May 25.

Coberly, Clarence J., Los Angeles, and C. F. Hanson, Maywood, Calif., assignors to Roko Corporation, Reno, Nev. Pressure pump. 2,081,224; May 25.

Cochrane Corporation. (See Melas, William, assignor.)

Cocozella, Anthony, Lynn, Mass. Making shoes. 2,081,226; May 25.

Cold Metal Process Company, The. (See McBain, William C., assignor.)

Cole, Charles H. (See Hewlett, A. P., and Cole.)

Communication Patents, Inc. (See Nicolson, Alexander McL, assignor.)

Conover, Richard E., Deer Park, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Sizing device. 2,081,738; May 25.

Consolidated Car-Heating Company. (See Touceda, Enrique G., assignor.)

Continental Oil Company. (See Fellows, Fred G., assignor.)

Continental Oil Company. (See Johnson, D. Ronald, assignor.)

Cook, Charles B., Jr., West Hartford, Conn. Solution for treating the surface of steel or iron for the application of paint. 2,081,449; May 25.

Cordes, Edward H., Plainfield, N. J., assignor to U. S. Expansion Bolt Co., New York, N. Y. Toggle bolt. 2,081,323; May 25.

Cornell, Edward S., Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y. Auto heating system. 2,081,696; May 25.

Corning Glass Works. (See Shaver, William W., assignor.)

Corradini, Robert E. (See Tamminga, W., and Bonomi, assignors.)

Corradini, Robert E. (See Tamminga, W., Bonomi, and Corradini.)

Corradini, Robert E. (See Tamminga, W., Bonomi, Corradini and Jones.)

Corry-Jamestown Manufacturing Corporation. (See Vanderhoof, Lawrence A., assignor.)

Cowles, C., and Company. (See Carmichael, W. A., and Hart, assignors.)

Cowles, William A. (See Willshaw, H., Goodhall and Cowles.)

Creamer, Edgar R., Detroit, Mich. Cord holder. 2,081,291; May 25.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase modulation. 2,081,577; May 25.

Crosman, Loring P., Maplewood, N. J., assignor to Gardner Company, Orange, N. J. Listing adding machine. 2,081,423; May 25.

Crossley, William H., Klamath Falls, Oreg. Milk bottle holder. 2,081,292; May 25.

Crown Cork & Seal Company. (See Enkur, Edward M., assignor.)

Crown Cork & Seal Company. (See Gladfelter, Wiltie I., assignor.)

Crown Cork & Seal Company. (See McManus, Charles E., assignor.)

Crown Stove Works. (See Rogers, Walter F., assignor.)

Cundall, Lincoln A., Buffalo, and O. E. Cheatham, West Brighton, assignors to Bagpak, Inc., New York, N. Y. Reenforcing thread applying means for sewing machines. 2,081,793; May 25.

Cunningham, Marion M., and C. E. Bradley, South Bend, assignors to Bendix Aviation Corporation, South Bend, and Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Brake material and process connected therewith. 2,081,578; May 25.

Dalton, Schuyler N. (See Replogle, H. H., and Dalton.)

Darby, George M., and E. J. Roberts, Westport, Conn., and W. C. Weber, Larchmont, N. Y., assignors to The Dorr Company, Inc., New York, N. Y. Flocculation. 2,081,850; May 25.

Darby, George M., and E. J. Roberts, Westport, Conn., and W. C. Weber, Larchmont, N. Y., assignors to The Dorr Company, Inc., New York, N. Y. Flocculation. 2,081,851; May 25.

Darby, George M., and E. J. Roberts, Westport, Conn., and W. C. Weber, Larchmont, N. Y., assignors to The Dorr Company, Inc., New York, N. Y. Flocculation. 2,081,852; May 25.

Daum, Charles, Forest Hills, N. Y. Fruit juice extractor. 2,081,424; May 25.

Davis, Charles D., Columbia, S. C. Fracture pin. 2,081,293; May 25.

De Echagaray, Salvador, assignor of one-third to A. Mascarenas and two-thirds to A. Purificadas, Sociedad Annonima, Mexico City, D. F., Mexico. Apparatus for purifying liquids. 2,081,794; May 25.

De Forest, Alfred V., Bridgeport, Conn., assignor to Baldwin-Southwark Corporation. Recording instrument. 2,081,579; May 25.

De Golyer, Anthony G., New York, N. Y., assignor to Vulcan Alloys Corporation. Weld rod. 2,081,394; May 25.

De Groote, Melvin, St. Louis, assignor to Tretolite Company, Webster Groves, Mo. Sulpho-aromatic compound of certain higher aliphatic ketones. 2,081,795; May 25.

De Laval Company, The. (See Hapgood, Cyrus H., assignor.)

De Laval Separator Company, The. (See Lindgren, Hans O., assignor.)

De Leeuw, Frederik J. G. (See Visser't Hooft, F., and de Leeuw.)

Delvin, Hart E., Gary, Ind. Reciprocating motion device. 2,081,796; May 25.

De Mering, Boris S., Honston, Tex., assignor to Standard Oil Development Company. Preventing scale depositions and removing such deposits from metallic surfaces. 2,081,168; May 25.

De Robert, Joaquin. (See Viscasillas, Jose, assignor.)

Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)

Deutsche Gold und Silber Scheideanstalt vormals Roessler. (See Hefter, Alwin, assignor.)

Devienne, Emile, Fleurieu-sur-Saone, France. Radio receiver. 2,081,135; May 25.

De Vries, John D., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Variable resistance. 2,081,227; May 25.

Diamond, Leon W., Shaker Heights, assignor to John E. Bernstein, Cleveland, Ohio. Compression valve. 2,081,616; May 25.

Dick, Herbert L., Chicago, Ill. Filter. 2,081,353; May 25.

Dickie, William A., and P. F. C. Sowter, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of artificial materials. 2,081,169; May 25.

Dickinson, Fairleigh S., Rutherford, N. J. Clinical thermometer. 2,081,143; May 25.

Diffenderffer, John K. E., Baltimore, Md., assignor to Hartford-Empire Company, Hartford, Conn. Transfer mechanism. 2,081,580; May 25.

Di Figlia, Vincent, Brooklyn, N. Y. Clamp. 2,081,797; May 25.

Di Iuglio, Frank, New Haven, Conn. Shirt collar. 2,081,136; May 25.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Apparatus and method for controlling refrigeration. 2,081,853; May 25.

Dinneen, Joseph M., Lowell, Mass. Bottle spray nozzle. 2,081,798; May 25.

Dissler, Walter, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, Berlin, Germany. Sensitivity meter. 2,081,739; May 25.

Dodge, Harry H., assignor to Bryan Engineering Company, Inc., Williamsport, Pa. Scattering unloader. 2,081,661; May 25.

Dodge, Lloyd L., Rhinelander, Wis., assignor to Rhinelander Paper Company, Rhinelander, Wis. Machine for waxing paper. 2,081,324; May 25.

Doebler, Herman U., North Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Folder and fastener. 2,081,854; May 25.

Dole Refrigerating Machine Company. (See Kleist, Herman W., assignor.)

Doran, John H., Scotia, N. Y., assignor to General Electric Company. Fluid pressure equalizing arrangement. 2,081,799; May 25.

Dornier, Claude, Friedrichshafen on Bodensee, Germany. Flying machine. 2,081,137; May 25.

Dorr Company, The. (See Darby, G. M., Roberts and Weber, assignors.)

Doughty, Howard W., Amherst, Mass. Fire extinguisher. 2,081,325; May 25.

Dowsett, Harry M., Winchmore Hill, London, and R. Cadzow, Ardentinny, England, assignors to Radio Corporation of America. Wireless direction finding system. 2,081,530; May 25.

Draisbach, Fritz, Ludwigshafen-on-the-Rhine, Germany, assignor to the firm Hall Laboratories, Inc., Pittsburgh, Pa. Improving liquid potassium soaps. 2,081,617; May 25.

Draper Corporation. (See Brown, Carl D., assignor.)

Draper Corporation. (See Tebo, William A., assignor.)

Dreffein, Henry A., Chicago, Ill. Fuel control apparatus. 2,081,170; May 25.

Dreyfus, Henry, London, England. Artificial material and process for its manufacture. 2,081,144; May 25.

Dreyfus, Henry, London, England. Manufacture of artificial materials. 2,081,171; May 25.

Dreyfus, Henry, London, England. Manufacture of artificial materials. 2,081,172; May 25.

Dreyfus, Henry, London, England. Manufacture or treatment of artificial materials. 2,081,173; May 25.

Drysdale, William D., Mount Clemens, Mich., assignor to Walter J. Sugden, Boston, Mass. Refrigerant compressor. 2,081,354; May 25.

Du Bois, Kenneth W., Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric chicken brooder. 2,081,395; May 25.

Duff, Alexander. (See Canner, M. O., and Duff.)

Duffield, William A., assignor to Juno Corporation Limited, Montreal, Quebec, Canada. Variable speed transmission. 2,081,863; May 25.

Dunham, Le Roy S., East Orange, and A. F. Robertson, Belleville, assignors to Edison-Splitdorf Corporation, West Orange, N. J. Magneto electric generator. 2,081,800; May 25.

Dunkel, Wilhelm, Berlin-Tempelhof, Germany, assignor to General Electric Company. Incandescent electric lamp. 2,081,801; May 25.

Dunlop Rubber Company. (See Wright, J., and Trevaskis, assignors.)

Dunlop Rubber Company. (See Willshaw, H., and Norcross, assignors.)

Dunlop Rubber Company Limited. (See Willshaw, H., Goodhall and Cowles, assignors.)

Dunn, Edward L., Livingston, N. J., assignor to Otis Elevator Company, New York, N. Y. Switching mechanism. 2,081,618; May 25.

Duplex Electric Company. (See Ellithorpe, Clarence D., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hinegardner, Wilbie S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lycan, William H., assignor.)

Du Pont, E. I., de Nemours & Company. (See Prahl, Milton A., assignor.)

Dusseris, Etienne J., Paris, France. Ceramic furnace. 2,081,476; May 25.

Dyresen, Didrick, Billerica, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slide fastener. 2,081,396; May 25.

Eagle Signal Corporation. (See Turner, H. I., and Anderson, assignors.)

Eastham, Albert L., Beaumont, Tex. Sidetracking apparatus. 2,081,294; May 25.

Eastlake, William H. (See Bent, E. D., and Eastlake.)

Ebert, Joseph F., Hollis, N. Y., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Sound producer. 2,081,619; May 25.

Ebrite, Arthur P., assignor of one-half to E. C. Koegel, Chicago, Ill. Lighting fixture. 2,081,326; May 25

Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Eclipse Aviation Corporation. (See Nowosielski, Edward B., assignor.)
Edge Moor Iron Company. (See Falla, Fernando, assignor.)
Edison-Splitdorf Corporation. (See Dunham, L. S., and Robertson, assignors.)
Edmundson, John G., and J. B. Taylor, Monkseaton, England. Rotary engine. 2,081,270; May 25.
Edwards, Donald V., Montclair, and E. K. Smith, East Orange, N. J., assignors to Electrons, Inc. Emissive cathode. 2,081,864; May 25.
Egan, William P. (See Sheehan, J. J., and Egan.)
Egerman, Julius K. (See Nigbor, Thomas, assignor.)
Egersdörfer, Fritz, Berlin-Charlottenburg, Germany. Pump. 2,081,477; May 25.
Eicher, Frank C. (See Robinson, H. E., and Eicher.)
Eklund, Karl I. A., Malmo, Sweden. Manufacture of light concrete. 2,081,802; May 25.
Elbel, Eberhard, assignor to the firm Henkel & Cie. Gesellschaft mit Beschrankter Haftung, Dusseldorf, Germany. Manufacture of sulphonation products from higher molecular organic compounds. 2,081,865; May 25.
Electrad, Inc. (See Bagno, Samuel J. A. M., assignor.)
Electric Indicator Corporation. (See Thompson, Franklin R., assignor.)
Electrons, Inc. (See Edwards, D. V., and Smith, assignors.)
Ell, Bernhard S. F., Spanga, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Oil insulated cable. 2,081,803; May 25.
Elliot, William P., New York, N. Y. Distress signal for electrically-operated clocks. 2,081,450; May 25.
Elliotte, Marion A. (See Hall, E. S., and Elliotte.)
Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Desulphalting and dewaxing petroleum oils. 2,081,174; May 25.
Ellithorpe, Clarence D., Springfield, assignor to Duplex Electric Company, New York, N. Y. Vault protective system. 2,081,271; May 25.
Emanueli, Luigi, Milano, assignor to Società Italiana Pirelli, Milan, Italy. High tension electric cable. 2,081,880; May 25.
Emsig, Max., Brooklyn, N. Y. Tack button. 2,081,196; May 25.
Engel, Karl, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for use in manufacturing shoes. 2,081,228; May 25.
Enkur, Edward M., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Making closure caps. 2,081,804; May 25.
Ensco Asbestos Company. (See Fether, Donald W., assignor.)
Equipment Rental Corporation. (See Hollingsworth, Denzil M., assignor.)
Equitable Paper Bag Co. Inc. (See Poppe, George W., assignor.)
Eskilson, Nelse, and O. Brander, San Pedro, Calif. Direction signal. 2,081,805; May 25.
Eskimo Pie Corporation. (See Birdsall, Wilfred T., assignor.)
Faber, Eberhard, Pencil Co. (See Woessner, John J., assignor.)
Fageol, Robley D. (See Leibing, W. E., and Fageol.)
Falla, Fernando, Millburn Township, Essex County, N. J., assignor to Edge Moor Iron Company, Edge Moor, Del. Method and apparatus for supplying additional heat to waste heat boiler plants. 2,081,697; May 25.
Farmer, Clyde C. (See Stewart, C. D., and Farmer.)
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Railway vehicle control apparatus. 2,081,662; May 25.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Retardation controller. 2,081,663; May 25.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake pipe holding means. 2,081,698; May 25.
Farmer, Clyde C., Pittsburgh, and D. L. McNeal, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,081,699; May 25.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,081,700; May 25.
Farnham, Ralph A., Herkimer, N. Y. Method and apparatus for making fibrous articles. 2,081,740; May 25.
Fawick, Thomas L., Akron, Ohio, assignor to Bragg-Kliesrath Corporation, South Bend, Ind. Freewheel drive for automobiles. 2,081,581; May 25.
Fay, Clifford E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High frequency transmission system. 2,081,425; May 25.
Fegan, Albert E., assignor to Geo. Young & Co., Chicago, Ill. Soft ball. 2,081,531; May 25.
Fellows, Fred G., assignor to Continental Oil Company, Ponca City, Okla. Increasing lubricating oil yields. 2,081,855; May 25.
Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Zapf, Georg, assignor.)
Ferguson, Arthur P., assignor to Lyon Cover Company, Detroit, Mich. Tire cover and hub cap support. 2,081,582; May 25.
Ferngren, Enoch T., Toledo, Ohio, assignor to Fernplas Corporation. Method of and automatic apparatus for coating bottle necks. 2,081,478; May 25.
Fernplas Corporation. (See Ferngren, Enoch T., assignor.)
Fether, Donald W., assignor to Ensco Asbestos Company, Downey, Calif. Method and apparatus for manufacturing friction linings. 2,081,620; May 25.
Fibreboard Products Inc. (See Benschoter, James G., assignor.)
Fields, Guilford L., Norristown, Pa. Garment construction. 2,081,426; May 25.
Fifield, Albert F., St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rail anchor. 2,081,621; May 25.
Fihe, Albert J. (See Holly, Harry H., assignor.)
Fink, Fred B., Des Moines, Mich., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerator defrosting method and apparatus. 2,081,479; May 25.
Firgau, Helmut. (See Guttenberg, F. H. von u. zu., and Firgau.)
Firth, Neal V., Roselle, and A. G. Hall, Cranford, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric communication cable. 2,081,427; May 25.
Fisch, Max, New York, assignor of one-half to E. Reshower, New York, N. Y. Child's wearing apparel. 2,081,532; May 25.
Fischel, Fdederic A. (See Akergren, Johan E., assignor.)
Fisher, Alvin C. (See Fisher, William J., W. A., A. C., E., and V. H.)
Fisher, Evans. (See Fisher, William J., W. A., A. C., E., and V. H.)
Fisher, Richard T. (See Pierce, R. H., and Fisher.)
Fisher, Victor H. (See Fisher, William J., W. A., A. C., E., and V. H.)
Fisher, William A. (See Fisher, William J., W. A., A. C., E., and V. H.)
Fisher, William J., W. A., A. C., E. F., and V. H., Tyvan, Saskatchewan, Canada. Poultry-killing device. 2,081,229; May 25.
Fitchett, Thomas S., Glen Arm, Md., assignor to F. X. Hooper Company, Inc., Glen Arm, Md. Roll adjustment for paper box machines or the like. 2,081,583; May 25.
Fletcher Works, Inc. (See Bartholomew, Robert J., assignor.)
Fletcher Works, Incorporated. (See Schaum, Fletcher, assignor.)
Flynn, Theodore P. (See Allin, G. S., and Flynn.)
Food Machinery Corporation. (See Hudspeth, Thomas N., assignor.)
Food Machinery Corporation. (See Hughes, Author E., assignor.)
Food Machinery Corporation. (See Lisle, H. C., and Morse, assignors.)
Food Machinery Corporation. (See Lewis, O. L., and Wright, assignors.)
Ford, Joseph C., and J. E. Olson, assignors to The Celon Company, Madison, Wis. Apparatus for making articles. 2,081,533; May 25.
Ford, Julius C., Memphis, Tenn. Automobile lighting and signal system. 2,081,892; May 25.
Forward, Chauncey B., deceased, by L. W. Forward, executrix, Urbana, Ohio, assignor to Forward Process Company, Dover, Del. Cracking mineral oils. 2,081,534; May 25.
Forward, Laura W., executrix. (See Forward, Chauncey B.)
Forward Process Company. (See Forward, Chauncey B., assignor.)
Foster, Everette M., assignor to The Turner Company, Cedar Rapids, Iowa. Microphone plug. 2,081,622; May 25.
Foster, Harold B., Williamsville, N. Y., assignor to National Aniline & Chemical Company, New York, N. Y. Catalyst and making same. 2,081,272; May 25.
Fox, Charles Adin, assignor to James R. Kearney Corporation, St. Louis, Mo. Fuse switch. 2,081,623; May 25.
Fox, Frederick L., Washington, D. C. Carton. 2,081,664; May 25.
Frank, Coletta. (See Heath, Kenneth L., assignor.)
Franz, Ehrhart, Leipzig, Germany. Bleaching. 2,081,327; May 25.
Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Quading and centering device. 2,081,866; May 25.
Frick-Gallagher Mfg. Co. (See Frick, Paul H., assignor.)
Frick, Paul H., Narberth, Pa., assignor to The Frick-Gallagher Mfg. Co., Wellston, Ohio. Rotatable bin. 2,081,856; May 25.
Fridén, John H., Maplewood, N. J., assignor to The Sun Tube Corporation, Hillside, N. J. Method of and apparatus for forming slugs and extruding tubes. 2,081,175; May 25.
Friedrichs, Wilhelm, Berlin-Reinickendorf-ost., Germany. Postage stamping machine. 2,081,806; May 25.
Fries Bros. (See Stockelbach, Frits E., assignor.)
Fries, Harold H. (See Stockelbach, Frits E., assignor.)

Frings, Hans, Cologne-Lindenthal, Germany. Ticket printer. 2,081,701; May 25.
Frisoli, Domenico, Newark, N. J. Utility knife. 2,081,702; May 25.
Fuller, Everett W. (See Story, B. W., and Fuller.)
Gabriel, Fritz, assignor to Maschinenfabrik A. Weiss & Co., Vienna, Austria. Knife-blade for meat cutters or the like. 2,081,807; May 25.
Gaede, Wolfgang, Karlsruhe, Germany. Electron tube and operating the same. 2,081,420; May 25.
Galinat, Ransom L., Wethersfield, Conn. Selective control mechanism for radio sets. 2,081,295; May 25.
Gallimore, Keith F., and G. H. Schurger, assignors to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Machine tool. 2,081,145; May 25.
Gard, Earle W., Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for continuous filtration. 2,081,296; May 25.
Gardner Company. (See Grosman, Loring P., assignor.)
Garofalo, Ross J., Los Angeles, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Dewaxing oil. 2,081,297; May 25.
Garrard, Charles C., Sutton Coldfield, Birmingham, England, assignor to The General Electric Company Limited, London, England. Explosion pot electric switch. 2,081,535; May 25.
Geck Laboratories, Inc. (See Themak, Edward, assignor.)
Gelpke, Kurt, Berlin-Neukolln, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Calculating and bookkeeping machine. 2,081,624; May 25.
General Aniline Works, Inc. (See Kränzlein, G., Schlichenmaier, and Meissner, assignors.)
General Aniline Works, Inc. (See Matzdorf, G., and Baumann, assignors.)
General Aniline Works, Inc. (See Ufer, Hanns, assignor.)
General Cable Corporation. (See Schatzel, Rudolph A., assignor.)
General Chemical Company. (See Carter, Bernard M., assignor.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Dunkel, Wilhelm, assignor.)
General Electric Company. (See Hermann, Benjamin R., assignor.)
General Electric Company. (See Kelley, Floyd C., assignor.)
General Electric Company. (See Lincks, George F., assignor.)
General Electric Company. (See Lohe, Arthur, assignor.)
General Electric Company. (See McNairy, Jacob W., assignor.)
General Electric Company. (See Merriam, Ezra B., assignor.)
General Electric Company. (See Rankin, William K., assignor.)
General Electric Company. (See Strickland, R. F., Blake, and McLean, assignors.)
General Electric Company. (See Tröger, Richard, assignor.)
General Electric Company. (See Watson, Estell M., assignor.)
General Electric Company Limited, The. (See Garrard, Charles C., assignor.)
General Motors Corporation. (See Anibal, Benjamin H., assignor.)
General Motors Corporation. (See Grimshaw, Robert S., assignor.)
General Motors Corporation. (See Rady, William J., assignor.)
General Spring Bumper Corporation. (See Jandus, H. S., and Short, assignors.)
Gensecke, Wilhelm. (See Petersen, A. E., and Gensecke.)
Gerber, W. H. et al. (See Blood, Charles R., assignor.)
Gerhardt, Carl F., Kenmore, N. Y. Cabinet. 2,081,328; May 25.
Germonprez, John A., Grosse Pointe Park, Mich., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill. Illuminating device. 2,081,703; May 25.
Geyer, Bertram B., Greenwich, Conn. Freezing tray. 2,081,428; May 25.
Giddings & Lewis Machine Tool Co. (See Gallimore, K. F., and Schurger, assignors.)
Giles, Roy N., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Operating a continuous filter system. 2,081,397; May 25.
Giles, Roy N., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Operating a continuous filter system. 2,081,398; May 25.
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gilmore, Folliard F., Boston, Mass. Diamond wheel dresser. 2,081,808; May 25.
Girard Manufacturing Company, The. (See Smith, Anthony N., assignor.)
Girdler Corporation, The (See Routh, Almond C., assignor.)
Gistucci, Paul X. A., Paris, and J. Lichtenstein, Levallois-Perret, assignors to Societe Generale des Carburateurs Zenith, Levallois-Perret, France. Carburetor. 2,081,741; May 25.
Gladfelter, Willie I., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Bottle capping machine. 2,081,809; May 25.
Glaze, Arnold C. H., Dukinfield, England. Apparatus for spray painting and the like. 2,081,742; May 25.
Glen, Robert R., Biarritz, France, assignor to Glen's Patents and Holdings, Inc., New York, N. Y. Centrifugal clutch. 2,081,743; May 25.
Glen's Patents and Holdings, Inc. (See Glen, Robert R., assignor.)
Globe Oil Tools Company. (See Catland, Alfred C., assignor.)
Globe Oil Tools Company. (See Catland, A. C., (assignor) and Howard.)
Globe Oil Tools Company. (See Howard, J. H., and Catland, assignors.)
Glover, John, assignor to Midway Chemical Company, Chicago, Ill. Mop. 2,081,230; May 25.
Goeller, Robert A., Larchmont, N. Y. Floor conduit. 2,081,197; May 25.
Goldsmith, Alfred N., New York, N. Y. Public address system and the like. 2,081,625; May 25.
Goodhall, Sydney N. (See Wilshaw, H., Goodhall, and Cowles.)
Gordon, Charles C., Jr., Houston, Tex. Photoprint machine. 2,081,329; May 25.
Government of the United States (as represented by the Secretary of Commerce). (See Herrington, William C., assignor.)
Graebner, Otto F., Detroit, Mich., assignor to The Murray Corporation of America. Vehicle body pillar. 2,081,810; May 25.
Greene, Howard H., Oklahoma City, Okla. Weight and line indicator. 2,081,665; May 25.
Greensboro Full Fashioned Hosiery Mills, Inc., et al. (See Grosse, William M., assignor.)
Greulich, Gerald G., Mount Lebanon, Pa. Bearing cap. 2,081,811; May 25.
Griffith-Hope Company. (See Hope, Samuel N., assignor.)
Grimshaw, Robert S., assignor to General Motors Corporation, Detroit, Mich. Automobile wheel fender. 2,081,231; May 25.
Gross, Hyman. (See Temchin, Y., and Gross.)
Grosse, William M., Greensboro, N. C., assignor, by mesne assignments, of one-half to Mock, Judson, Voehringer Co. Inc., and one-half to Greensboro Full Fashioned Hosiery Mills, Inc. Machine for producing ringless full-fashioned hosiery. 2,081,430; May 25.
Grover, Elliott E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,081,480; May 25.
Gschöpf, Richard and K. Pokorny, Vienna, Austria, said Pokorny assignor to said Gschöpf. Production of natural colored images on paper and diapositives (cinematographic films). 2,081,481; May 25.
Gunn, Elbert V., Tulsa, Okla. Paint spray masking device for automobile wheel and tire assemblies. 2,081,666; May 25.
Gustafson, Carl A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Road machine. 2,081,536; May 25.
Guttenberg, Friedrich H. von und zu, Dusseldorf, and H. Firgau, Dusseldorf-Oberflassel, assignors to Henkel & Cie G. m. b. H., Dusseldorf-Holthausen, Germany. Cheese manufacture. 2,081,273; May 25.
Gysling, Manuel H., assignor to American District Steam Company, North Tonawanda, N. Y. Steam main construction. 2,081,867; May 25.
Haas, Philip J., Chicago, Ill. Blade holder. 2,081,232; May 25.
Hahn, Otto W., San Francisco, Calif. Filter. 2,081,198; May 25.
Hahnemann, Walter M., Berlin, Marienfelde, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Antenna structure. 2,081,274; May 25.
Hall, Albert, Narberth, W. T. Young, Oakmont, Upper Darby, and T. E. Slattery, Philadelphia, Pa. Closure. 2,081,585; May 25.
Hall, Arthur G. (See Firth, N. V., and Hall.)
Hall, Charley Proctor. (See Hall, Wilburn C., and C. P.)
Hall, Edward S., and M. A. Elliotte, Philadelphia. Pa. Duo-bed couch. 2,081,374; May 25.
Hall, Frank A., & Sons. (See McIntosh, Burtnett, assignor.)
Hall, Kenneth G., Long Beach, Calif. Carburetor. 2,081,482; May 25.
Hall Laboratories, Inc. (See Draisbach, Fritz, assignor.)
Hall, Peter P-G., assignor to The Hall Planetary Company, Philadelphia, Pa. Milling machine. 2,081,275; May 25.
Hall Planetary Company, The. (See Hall, Peter P-G., assignor.)
Hall, Wilburn C., and C. P., Pearson, Okla. Cement mixer. 2,081,881; May 25.
Halton, Evanda P., Fort Worth, Tex. Gem. 2,081,483; May 25.
Hamer, Leland S., Long Beach, Calif. Valve seat. 2,081,431; May 25.

Hampden, Geoffrey C. E., Ewelme, assignor to J. S. White & Company Limited, East Cowes, Isle of Wight, England. Surface high speed craft. 2,081,868; May 25.
Handy, Bessie Millar, executrix. (See Handy, Levin G., assignor.)
Handy, Levin G., Mountain View, N. J.; B. M. Handy, executrix of said Levin G. Handy, deceased, assignor to B. M. Handy. Signaling device. 2,081,744; May 25.
Hanks, Marshall W., Madison, Wis. Liquid conductor heater. 2,081,537; May 25.
Hanson, Clyde F. (See Coberly, C. J., and Hanson.)
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Company, Limited, Peterborough, Ontario, Canada. Milk heater. 2,081,432; May 25.
Hapkins, Dimitri N., Los Angeles, assignor of fifteen per cent to C. L. Kincaid, Los Angeles County, Calif. Pump. 2,081,812; May 25.
Hardacker, William E., Minneapolis, Minn. Sewer flooding control apparatus. 2,081,298; May 25.
Hardwicke-Etter Company. (See Streun, John A., assignor.)
Harper, Harry D., Youngstown, Ohio. Oil supply regulator. 2,081,330; May 25.
Hart, Franklin H. (See Carmichael, W. A., and Hart.)
Hartford-Empire Company. (See Diffenderffer, John K. E., assignor.)
Hartford-Empire Company. (See Howard, George E., assignor.)
Hartford-Empire Company. (See McIntosh, Harold W., assignor.)
Hartford-Empire Company. (See Peiler, K. E., and Smith, assignors.)
Hartman, Robert G., and S. G. White, Noblesville, Ind. Sandal. 2,081,375; May 25.
Hartmann, Julius F. G. P., Copenhagen, Denmark. Electrode adapted to be in contact with mercury. 2,081,376; May 25.
Hasbrouck, Harold J., Jr., Flushing, assignor to United Research Corporation, Long Island City, N. Y. Galvanometer. 2,081,233; May 25.
Hasse, Hans, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tuning system. 2,081,584; May 25.
Hathaway, Edgar F., Wellesley, Mass. Yarn spool. 2,081,331; May 25.
Hayward, Ralph A., assignor to Kalamazoo Vegetable Parchment Company, Parchment, Mich. Apparatus and method for sealing waxed wrappers. 2,081,626; May 25.
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Heath, Kenneth L., assignor of one-fourth to C. Frank, Edmonds, Wash. Attachment for producing a natural ridge in hair. 2,081,199; May 25.
Hefter, Alwin, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Production of precious metal decorations or ceramic objects. 2,081,234; May 25.
Heinrich, Walter A., assignor to J. R. Kearney Corporation, St. Louis, Mo. Meterbox. 2,081,627; May 25.
Heisel, Paul, Gersthofen, near Augsburg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing glyoxylic acid. 2,081,355; May 25.
Heller, Henry R., Larchmont, N. Y. Upright piano. 2,081,704; May 25.
Henkel & Cie. Gesellschaft mit beschränkter Haftung. (See Elbel, Eberhard, assignor.)
Henkel & Cie G. m. b. H. (See Guttenberg, F. H. von u. zu, and H. Firgau, assignors.)
Hercules Powder Company. (See Borglin, Joseph N., assignor.)
Hercules Powder Company. (See Littmann, Edwin R., assignor.)
Hermann, Benjamin R., Pittsfield, Mass., assignor to General Electric Company. Electric cut-out. 2,081,813; May 25.
Hermann, Benjamin R., Pittsfield Mass., assignor to General Electric Company. Fuse cut-out. 2,081,814; May 25.
Herrington, William C., Cambridge, Mass., assignor to the Government of the United States as represented by the Secretary of Commerce. Trawl net. 2,081,146; May 25.
Hewitt, Ellis E. (See Stewart, C. D., and Hewitt.)
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Spring pressed device. 2,081,451; May 25.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,081,452; May 25.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Railway brake system. 2,081,453; May 25.
Hewlett, Amiot P., Cranford, and C. H. Cole, Roselle Park, N. J., assignors to Standard Oil Development Company. Fuel oil. 2,081,176; May 25.
Heyl, George E., Mill Hill, England. Treating seeds, bulbs, and tubers. 2,081,667; May 25.
Heywood-Wakefield Company. (See Larsen, Lewis, assignor.)
Hicks, Raymond M., Plainfield, N. J., and C. S. Whitney, Brooklyn, assignor to The Teleregister Corporation, New York, N. Y. Deleting system. 2,081,377; May 25.
Hiles, Charles W., Houston, Tex. Auxiliary grate for half-tank icing. 2,081,332; May 25.
Hill, Lansing B., Santa Ana, Calif. Apparatus for taking and distorting moving pictures. 2,081,299; May 25.
Hillyard, Newton S., St. Joseph, Mo. Firearm. 2,081,235; May 25.
Hinegardner, Wilbie S., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorinated hydrocarbon in noncaking powdered form. 2,081,236; May 25.
Hiss, George F., Los Angeles, Calif. Shirt board. 2,081,356; May 25.
Hoarle, Fred J., Newark, N. J., assignor to Celluloid Corporation. Decorative artificial product. 2,081,538; May 25.
Hoffman Beverage Company. (See Rue, H. E., and Bostock, assignors.)
Hogan, John C., Charlotte, N. C. Smoking pipe. 2,081,378; May 25.
Hogg, Emerson E. (See Andersen, E. F., and Hogg.)
Hogg, Francis, Wesleyville, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Locomotive tender. 2,081,399; May 25.
Hohmann, Anna F., and P. F. Hohmann, Los Angeles, Calif. Vehicle window. 2,081,745; May 25.
Hohmann, Philip F. (See Hohmann, Anna F., and P. F.)
Hollander, Aladar, Berkeley, Calif, assignor to Byron Jackson Co., Huntington Park, Calif. Adjustable shaft motor. 2,081,454; May 25.
Hollingsworth, Denzil M., assignor to Equipment Rental Corporation, St. Louis, Mo. Earth-boring apparatus. 2,081,200; May 25.
Hollmann, Hans E., Berlin-Wilmersdorf, Germany, assignor to Radio Patents Corporation, New York, N. Y. Tuning device. 2,081,746; May 25.
Holloway, George W. (See Waterston, C. L., and Holloway.)
Holly, Harry H., assignor of one-half to A. J. Fihe, Chicago, Ill. Molding device. 2,081,455; May 25.
Holman, Arthur J., East Orange, N. J. Stropping device. 2,081,147; May 25.
Holzwarth Gas Turbine Company, The. (See Meininghaus, Ulrich, assignor.)
Hooker, Donald E. (See Breitenstein, C. J., and Hooker.)
Hooper, F. X., Company. (See Fitchett, Thomas S., assignor.)
Hoover, Myrl P., Bend, Oreg. Adjustable chair. 2,081,333; May 25.
Hope, Samuel N., Wauwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Cup dispenser. 2,081,177; May 25.
Hopper, Basil, San Pedro, assignor to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for separating oil from wax cakes. 2,081,300; May 25.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Air cleaner for internal combustion engines. 2,081,668; May 25.
Horvath, Steven, Dearborn, Mich. Flush tank. 2,081,539; May 25.
Hosmer, Annie L., administratrix. (See Reed, James H.)
Hosselet, Ferdinand G., New York, N. Y. Pencil attachment. 2,081,540; May 25.
Howard, Charles W., Franklin, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio. Paper making apparatus. 2,081,456; May 25.
Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for forming hollow glass articles. 2,081,857; May 25.
Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for forming hollow glassware. 2,081,858; May 25.
Howard, John H. (See Catland, A. C., and Howard.)
Howard, John H., Huntington Park, and A. C. Catland, Alhambra, assignors to Globe Oil Tools Company, Los Nietos, Calif. Core drill head. 2,081,201; May 25.
Hoy, Harvey H. (See Adamson, L. V., and Hoy.)
Hoyt, Ethel P. S., Darien, Conn. Book. 2,081,202; May 25.
Hub, Alfred, Chippewa Falls, Wis., assignor to Judson L. Thomson Mfg. Co., Waltham, Mass. Setting and work feeding tool for lacing hook machines. 2,081,869; May 25.
Hubler, Charles P., East Stroudsburg, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc. Locomotive stoker. 2,081,276; May 25.
Hudspeth, Thomas N., Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Elevator. 2,081,301; May 25.
Hughes, Author E., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Filling machine. 2,081,669; May 25.
Hughes, John, Rochdale, England. Gilling machine and drawing machine for the treatment of fibrous material. 2,081,433; May 25.
Hulley, Albert, New York, N. Y. Door arrangement for vehicles. 2,081,815; May 25.
Humoco Corporation. (See Moore, George A., assignor.)
Hupp Motor Car Corporation. (See MacPherson, Earle S., assignor.)

Hupp Motor Car Corporation. (See Punke, John J., assignor.)
Hyman, Henry. (See Muldoon, Bernard F., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Brodersen, Karl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Heisel, Paul, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, W., and Nicolai, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rosinsky, Walter, assignor.)
Imperial Chemical Industries Limited. (See Child, C., and Thomas, assignors.)
Imperial Chemical Industries Limited. (See Lodge, Frank, assignor.)
Imperial Chemical Industries Limited. (See Lodge, F., and Lumsden, assignors.)
Indian Territory Illuminating Oil Company. (See Kloppenstein, Edward J., assignor.)
Ingalls, Willis A., assignor to Tompkins Bros Co., Syracuse, N. Y. Knitting machine. 2,081,816; May 25.
Ingersoll Milling Machine Company, The. (See Perry, R. S. and Oberhoffken, assignors.)
Ingersoll Rand Company. (See Kidney, Carleton B., assignor.)
Innovation Brakes, Inc. (See Shelor, Frederick L., assignor.)
International Door Company. (See Shields, John W., assignor.)
International Derrick & Equipment Company, The. (See Bloss, R. R., and Pfeil, assignors.)
International Paper Company. (See Campbell, J., and Rolleston, assignors.)
International Register Company. (See Thompson, Ernest H., assignor.)
International Tag & Salesbook Company. (See Travis, Roy G., assignor.)
Interlype Corporation. (See Freund, Herman R., assignor.)
Ipatieff, Vladimir, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill. Improving gasoline. 2,081,357; May 25.
Jacobs, Charles T., New Providence Township, Union County, N. J. Motor vehicle control device. 2,081,747; May 25.
Jackson, Byron, Co. (See Hollander, Aladar, assignor.)
Jackson, Byron, Co. (See Lundeen, Chester A., assignor.)
Jacobsen, Bent B., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Combination telephone and telegraph exchange system. 2,081,434; May 25.
Jacquard Knitting Machine Co. (See Nufer, Edward, assignor.)
James, Hubert E. et al. (See Rhodes, B. F., assignor.)
Jandus, Herbert S., and B. M. Short, assignors to General Spring Bumper Corporation, Detroit, Mich. Bumper construction. 2,081,586; May 25.
Janovsky, Wilhelm, Berlin-Spandau, assignor to Siemens & Halske Aktiengesellschaft, Berlin-Siemenstadt, Germany. Measuring mechanical forces. 2,081,748; May 25.
Jantsch, Victor, assignor, by mesne assignments, to Yellow Truck and Coach Manufacturing Company, Pontiac, Mich. Propeller shaft center bearing. 2,081,237; May 25.
Jarvis, Frank E., The Dalles, Oreg. Rotary face bit. 2,081,302; May 25.
Jerguson, Philip A. (See Chalatow, Leon S., assignor.)
Jobst, Gunther and W. Wehnert, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Detector circuit. 2,081,705; May 25.
Johns-Manville Corporation. (See Pretot, Armand V., assignor.)
Johnson, Andrew, Butte, Mont. Fishhook holder. 2,081,817; May 25.
Johnson, D. Ronald, assignor to Continental Oil Company, Ponca City, Okla. Pipe still. 2,081,628; May 25.
Johnson, Jean H., Hobart, Ind. Holder for toilet articles. 2,081,818; May 25.
Johnston, Alexander, assignor to The North British Rubber Company Limited, Edinburgh, Scotland. Process and apparatus for the vulcanization of rubber goods and the treatment of other goods requiring heat and pressure. 2,081,670; May 25.
Joiner, Sylvester L., Sweetwater, Tex., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Attachment for air brake pressure retaining valves. 2,081,457; May 25.
Jones, Howard M. (See Tamminga, W., Bonomi, Corradini, and Jones.)
Jones, Walter I., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Laundryproof snap fastener. 2,081,400; May 25.
Jones, Walter I., Arlington, assignor to United-Carr Fastener Company Corporation, Cambridge, Mass. Resilient fastening means. 2,081,870; May 25.
Jones, Walter I., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener secured installation. 2,081,871; May 25.
Joosten, Hugo, Berlin-Schoeneberg, Germany. Solidifying soils. 2,081,541; May 25.
Juno Corporation Limited. (See Duffield, William A.)
Kahn, Julius, assignor to Truscon Steel Company, Youngstown, Ohio. Highway traffic marker. 2,081,358; May 25.
Kahn, Julius, and W. F. Schulz, Cleveland Heights, assignors to Republic Steel Corporation, Cleveland, Ohio. Culvert. 2,081,872; May 26.
Kalamazoo Vegetable Parchment Company. (See Hayward, Ralph A., assignor.)
Kalle & Co. Aktiengesellschaft. (See Neugebauer, Wilhelm, assignor.)
Kane, John P., New York, N. Y. Dressing table with rotatable mirrors. 2,081,203; May 25.
Karmazin Engineering Company. (See Karmazin, John, assignor.)
Karmazin, John, Huntington, Ind., assignor to Karmazin Engineering Company. Manufacturing heat exchangers. 2,081,303; May 25.
Kato, Kihachi, Hongo-ku, Tokyo, Japan, assignor to Minato Tsuji, Tokyo, Japan. Cooling system of internal combustion engines. 2,081,484; May 25.
Kauffman, Lester S., assignor to American Stove Company, St. Louis, Mo. Automatic lighter construction for gas ranges. 2,081,819; May 25.
Kearney, James R., Corporation. (See Fox, Charles A., assignor.)
Kearney, James R., Corporation. (See Heinrich, Walter A., assignor.)
Kearney & Trecker Corporation. (See Armitage, Joseph B., assignor.)
Keenan, Joseph H. (See Backer, L. H., Keenan, and Kopf.)
Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Pivot for indicating instruments. 2,081,820; May 25.
Kelley, Oliver K., assignor, by mesne assignments, to Yellow Truck and Coach Manufacturing Company, Pontiac, Mich. Clutch control. 2,081,238; May 25.
Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Vehicle ventilating window. 2,081,587; May 25.
Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)
Kelsey-Hayes Wheel Company. (See White, John W., assignor.)
Kelvinator Corporation. (See Fink, Fred B., assignor.)
Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Kendall Company, The. (See Secrist, Horace A., assignor.)
Kennedy, Harry E. (See Walker, B., and Kennedy, assignor.)
Kensington, Incorporated. (See Weinzierl, Joseph T., assignor.)
Kerner Incinerator Co. (See Nicol, Herbert E., assignor.)
Kibbee, E. C. (See Westman, Emil, assignor.)
Kickenbush, Ray, Burlington, Wis., assignor to Luse-Stevenson Co., Chicago, Ill. Bedding. 2,081,334; May 25.
Kidney, Carleton B., West Brighton, Staten Island, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Controlling apparatus. 2,081,542; May 25.
Kiff, Arthur L., Hammondsport, N. Y. Crate or lug. 2,081,821; May 25.
Kilcup, Benjamin D., New York, N. Y. Scraping device. 2,081,706; May 25.
Kimbell, Fordyce, Miami, Fla. Annunciator for horse races. 2,081,822; May 25.
Kincaid, Clarence L. (See Hapkins, Dimitri N., assignor.)
Kjellgren, Eric A. (See Malke, S., and Kjellgren.)
Kleen, Werner. (See Rothe, H., and Kleen.)
Klein, Victor G. (See Barks, F. S., and Klein.)
Kleist, Herman W., assignor to Dole Refrigerating Machine Company, Chicago, Ill. Bottle cooler. 2,081,629; May 25.
Kloppenstein, Edward J., Oklahoma City, assignor of one-half to Indian Territory Illuminating Oil Company, Bartlesville, Okla. Fluid actuated intermitter. 2,081,239; May 25.
Klotz, Ernst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Radio receiver. 2,081,277; May 25.
Knapp, Edwin L., and S. J. Leask, Anacortes, Wash. Apparatus for treating ore. 2,081,240; May 25.
Kniskern, Walter H., Prince George County, Va., and C. K. Lawrence, Syracuse, assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y. Preparation of fertilizer. 2,081,401; May 25.
Knott, Harry H., assignor to American Pearl Button Company, Washington, Iowa. Button. 2,081,485; May 25.
Koegel, E. C. (See Ebrite, Arthur P., assignor.)
Köhler, Heinrich, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Engine frame. 2,081,543; May 25.
Kondolf, Henry, New York, N. Y., assignor to Southern Kraft Corporation, New York, N. Y. Carton and blank for forming the same. 2,081,707; May 25.
König, Erwin, Berlin-Neukoelln, assignor to Allgemeine Elektricitatz Gesellschaft, Berlin, Germany. Station scale for radio receiver sets. 2,081,278; May 25.
Kopf, Joseph L. (See Backer, L. H., Keenan, and Kopf.)
Kraft, Edward L., assignor to Martin-Parry Corporation, York, Pa. Automobile ventilator. 2,081,486; May 25.

Kränzlein, Georg, Frankfort-on-the-Main-Hochst, H. Schlichenmaier, Kelkheim in Taunus, and T. Meissner, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Anthraquinone dyestuffs capable of being chromed. 2,081,359; May 25.

Krenn, James R., Faribault, Minn. Tire changing stand. 2,081,402; May 25.

Kritzler, Carl, and C. Raggenbass, New York, N. Y. Piston and rod connection. 2,081,749; May 25.

Krivig, Stephen J., Irvington, N. J., assignor to Baker & Company, Inc., Newark, N. J. Device for measuring and dispensing flowing materials. 2,081,544; May 25.

Krol, Baarte, Mitcham Junction, England, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Discharge tube. 2,081,708; May 25.

Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Steam generator. 2,081,241; May 25.

Kullerstrand, Iver E., Chicago, Ill. Apparatus for unloading and loading railway vehicles. 2,081,178; May 25.

Kunz, Ludwig, New York, N. Y. Nonrefillable bottle stopper. 2,081,823; May 25.

Kunze, William A., New York, N. Y. Antiburn device for waving solutions in permanent waving. 2,081,882; May 25.

Laborda, Richard, Brooklyn, N. Y. Vehicle. 2,081,750; May 25.

La Brie, Ludger E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,081,588; May 25.

La Brie, Ludger E., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,081,589; May 25.

La Brie, Ludger E., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,081,590; May 25.

Lamac Process Company. (See Suerken, Maxwell C., assignor.)

Lambert, Homer T., St. Joseph, Mich. Clutch mechanism.

Lane, Guy M., assignor to Motor Products Corporation, Detroit, Mich. Vehicle body construction. 2,081,545; May 25.

Lane, Thomas, Atlanta, Ga. Boring bar attachment. 2,081,487; May 25.

Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Edge beading for furniture. 2,081,179; May 25.

Larsen, Volney E., Chicago, Ill., assignor to White & Wyckoff Mfg. Company, Holyoke, Mass. Notebook. 2,081,873; May 25.

Lauer, William J., Argyle, Minn. Fish lure. 2,081,671; May 25.

Lawrence, Charles K. (See Kiskern, W. H., and Lawrence.)

Leask, Samuel J. (See Knapp, E. L., and Leask.)

Leeds and Northrup Company. (See Ross, R. W., and Seberhagen.)

Lehmann, Franz, Zurich, Switzerland. Safety razor. 2,081,488; May 25.

Leibing Automotive Devices, Incorporated. (See Leibing, W. E., and Fageol, assignors.)

Leibing, William E., Sausalito, and R. D. Fageol, Oakland, assignors to Leibing Automotive Devices, Incorporated, San Francisco, Calif. Governor. 2,081,825; May 25.

Lendrum, Alexander M., and J. N. Orebaugh, Norwalk, Ohio. Corn popper. 2,081,751; May 25.

Lentz, Hugo, Berlin-Halensee, Germany. Cam actuated poppet valve gear. 2,081,458; May 25.

Leonard, William E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Making liquor finished wire. 2,081,630; May 25.

Leupold, Henry, Nutley, assignor to National Oil Products Company, Harrison, N. J. Textile size. 2,081,180; May 25.

Levinson, David, assignor to Standard Sports Mfg. Co., Chicago, Ill. Head guard. 2,081,335; May 25.

Lewis, Otto L., and J. P. Wright, assignors, by mesne assignments, to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Driving mechanism for railway car generators. 2,081,336; May 25.

Libby-Owens-Ford Glass Company. (See Robinson, H. E., and Eicher, assignors.)

Lichtenstein, Johann. (See Gistucci, P. X. A., and Lichtenstein.)

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Fuse cut-out. 2,081,826; May 25.

Lincoln Engineering Company. (See Barks, F. S., and Klein, assignors.)

Lindgren, Hans O., Appelviken, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y. Dewaxing liquid hydrocarbons. 2,081,403; May 25.

Linsell, Alfred A., London, England, assignor to Radio Corporation of America. Combined radio receiver and talking machine. 2,081,752; May 25.

Lisle, Howard C., and J. W. Morse, Lansing, Mich., assignors to Food Machinery Corporation, San Jose, Calif. Fruit and vegetable cleaning and polishing machine. 2,081,489; May 25.

Littmann, Edwin R., assignor to Hercules Powder Company, Wilmington, Del. Composition of matter and producing. 2,081,753; May 25.

Locbar Buckle Company, The. (See Shaw, William Bligh, assignor.)

Lockhart, Harold B., Great Falls, Mont. Cutting shingles or shakes. 2,081,754; May 25.

Lockyer, Robert H., San Francisco, Calif. Combination flowerpot. 2,081,337; May 25.

Lodge, Frank, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Anthraquinone dyestuffs. 2,081,755; May 25.

Lodge, Frank, and C. H. Lumsden, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Acid dyestuffs of the anthraquinone series. 2,081,756; May 25.

Logan, John W., Jr., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic shoe brake. 2,081,459; May 25.

Lohe, Arthur, Annaberg I/Erzgeb, Germany, assignor to General Electric Company. Switch. 2,081,827; May 25.

Long, Albert S., assignor of one-half to D. H. Caldwell, Abbeville, La. Camp chair. 2,081,181; May 25.

Long, Archie O., Kansas City, Mo. Collar support. 2,081,242; May 25.

Lorentz, Valentin, Dolzschen, near Dresden, Germany. Tobacco cutting device. 2,081,460; May 25.

Lorenz, C., Aktiengesellschaft. (See Hahnemann, Walter M., assignor.)

Losenhausenwerk. (See Marx, Wilhelm, assignor.)

Lozier, Harry J., Des Moines, Iowa. Star decoration system. 2,081,893; May 25.

Lucidol Corporation. (See Visser't Hooft, F., and de Leeuw, assignors.)

Lumsden, Colin H. (See Lodge, F., and Lumsden.)

Lundeen, Chester A., assignor to Byron Jackson Co., Los Angeles, Calif. Center latch elevator. 2,081,591; May 25.

Luse-Stevenson Co. (See Kickenbush, Ray assignor.)

Lustig, Emilie. (See Canner, M. O., and Duff, assignors.)

Lycan, William H., South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,081,874; May 25.

Lyon Cover Company. (See Fergueson, Arthur P., assignor.)

Lyon, George A., Allenhurst, N. J. Steering wheel construction. 2,081,592; May 25.

Lyon, George A., Detroit, Mich. Steering wheel construction. 2,081,593; May 25.

Lyons, Frank H., assignor to E. L. Bruce Co., Memphis, Tenn. Impregnating wood. 2,081,828; May 25.

Mackay Radio and Telegraph Company. (See Alford, Andrew, assignor.)

MacPherson, Earle S., Grosse Pointe Park, Mich., assignor to Hupp Motor Car Corporation, Detroit, Mich. Muffler mounting. 2,081,546; May 25.

Macy, Barnett W., Jacksonville, Fla. Apparatus for pasteurizing liquids. 2,081,243; May 25.

Madsen Humane Trap Co. Limited. (See Madsen, Marius, assignor.)

Madsen, Marius, Winnipeg, Manitoba, assignor to Madsen Humane Trap Co. Limited, Toronto, Canada. Animal snaring device. 2,081,379; May 25.

Maeda, Rinsai, Seattle, Wash. Mop head. 2,081,631; May 25.

Magnuson, Raymond A. (See Peterson, G., and Magnuson.)

Mahoney, John C. (See Wallis, J. S., and Mahoney.)

Malke, Sven, Milwaukee, and E. A. Kjellgren, West Allis, assignors to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for ore separation or concentration. 2,081,182; May 25.

Mall, Arthur W., Chicago, Ill. Rail slotter. 2,081,360; May 25.

Malmquist, Nils G. A., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Brake rod coupler. 2,081,672; May 25.

Malowan, John E. (See Booth, C. F., and Malowan.)

Marathon Paper Mills Company. (See Tuszynski, Nicholas, assignor.)

Marbon Products Corporation. (See Williams, Floyd E., assignor.)

Marshall, Charles D., North Jackson, Ohio. Corn cutter. 2,081,361; May 25.

Marsiske, Hans, Furstenwalde/spree, Germany. Radio circuit. 2,081,205; May 25.

Marski, Edward A., Phoenix, Ariz. Airplane. 2,081,490; May 25.

Martin, Claude F., Tulsa, Okla. Shingle. 2,081,491; May 25.

Martin, James V., Garden City, N. Y. Speed plane. 2,081,436; May 25.

Martin, James V., Garden City, N. Y. Aircraft. 2,081,437; May 25.

Martin-Parry Corporation. (See Kraft, Edward L., assignor.)

Marx, Wilhelm, Dusseldorf, assignor to Losenhausenwerk, Dusseldor-Grafenberg, Germany. Process and apparatus for applying alternating positive and negative loads. 2,081,404; May 25.

Mascarenas, Alberto et al. (See de Echagaray, Salvador, assignor.)

Maschinenfabrik Augsburg-Nurnberg A. G. (See Köhler, Heinrich, assignor.)

Maschinenfabrik A. Weiss & Co. (See Gabriel, Fritz, assignor.)

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,081,405; May 25.

Matot, Duffy A., Wilmette, Ill. Control mechanism for hoisting machines. 2,081,709; May 25.

Mattheus, Albert O., assignor to Parke, Davis & Company, Detroit, Mich. Therapeutic agent. 2,081,547; May 25.

Matzdorf, Georg and E. Baumann, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Monoazo dyes for coloring cellulose esters. 2,081,244; May 25.

Mayer, Alexander W. J. (See van Dijck, W. J. D., and Mayer.)

Mazza, Edoardo, Turin, Italy. Concentrating and separating the components of gaseous mixtures. 2,081,406; May 25.

McBain, William C., assignor to The Cold Metal Process Company, Youngstown, Ohio. Oil purifier. 2,081,632; May 25.

McCann, John J., Jr., Lowell, Mass. Finish for fabric for textile industry. 2,081,461; May 25.

McClure, Glenn T., McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Check valve device. 2,081,462; May 25.

McDonald, James, Wechawken, N. J., assignor to Todd Combustion Equipment, Inc., New York, N. Y. Telescopic shroud for use with oil burning equipment. 2,081,710; May 25.

McDougall, Allan J., Gaylord, Mich. Cream separator. 2,081,492; May 25.

McFarland, David M., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Method of and apparatus for firing explosives. 2,081,633; May 25.

McGinnis, Walter T., Chicago, Ill. Dispensing apparatus. 2,081,362; May 25.

McGurn, William D. (See Blomgren, Henry E., assignor.)

McHale, Michael J., Scranton, Pa. Thread guide. 2,081,548; May 25.

McHale, Michael J., Scranton, Pa. Thread guide. 2,081,549; May 25.

McIlvaine, Robert L., Richmond, Ind., assignor to Swayne, Robinson & Company, Richmond, Ind. Authorized access means for safes or the like. 2,081,757; May 25.

McIntosh, Burntnett, Floral Park, assignor to Frank A. Hall & Sons, New York, N. Y. Caster brake. 2,081,594; May 25.

McIntosh, Harold W., Windsor, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for indicating and controlling temperatures in glass melting tanks. 2,081,595; May 25.

McKim, Charles, Dillsboro, Ind. Collapsible egg case. 2,081,493; May 25.

McLean, George W., and B. A. Shur, New Orleans, La. Registering apparatus. 2,081,245; May 25.

McLean, Stuart. (See Strickland, R. F., Blake, and McLean.)

McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closure and making same. 2,081,246; May 25.

McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. System of distribution. 2,081,829; May 25.

McNamee, Owen A., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Electric cord or cable. 2,081,634; May 25.

McNeal, Donald L. (See Farmer, C. C., and McNeal.)

Meaker Company, The. (See Miller, Constantine G., assignor.)

Mehrman, Clifford J. (See Mehrman, Walter J. and C. J.)

Mehrman, Walter J. and C. J., Toledo, Ohio. Atomizer. 2,081,674; May 25.

Meininghaus, Ulrich, Mulheim-Ruhr, Germany. Disk construction for radial flow machines. 2,081,148; May 25.

Meininghaus, Ulrich, Mulheim-Ruhr, Germany, assignor to The Holzwarth Gas Turbine Company, San Francisco, Calif. Method and apparatus for direct compression of gaseous or vaporous medium. 2,081,149; May 25.

Meininghaus, Ulrich, Mulheim-Ruhr, Germany. Disk construction for radial flow machines. 2,081,150; May 25.

Meisel, Charles A., Milton, assignor to Meisel Press Manufacturing Company, Boston, Mass. Perforator. 2,081,363; May 25.

Meisel Press Manufacturing Company. (See Meisel, Charles A., assignor.)

Meissner, Theodor. (See Kränzlein, G., Schlichenmaier, and Meissner.)

Melas, William, Bala-Cynwyd, assignor to Cochrane Corporation, Philadelphia, Pa. Measuring system. 2,081,364; May 25.

Melas, William, Bala-Cynwyd, assignor to Cochrane Corporation, Philadelphia, Pa. Manometer calibrating means. 2,081,596; May 25.

Mendenhall, Earl, and J. B. Van Horn, Los Angeles, assignors, by mesne assignments, to Byron Jackson Co., Huntington Park, Calif. Bearing. 2,081,550; May 25.

Merriam, Ezra B., Swarthmore, Pa., assignor to General Electric Company. Electric circuit interrupter. 2,081,830; May 25.

Merrill, David R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Production of lubricating oil. 2,081,494; May 25.

Merrill, David R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Solvent extraction of lubricating oils. 2,081,495; May 25.

Merrill, David R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Preparing petroleum plastics. 2,081,496; May 25.

Merrill, David R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Extraction process. 2,081,497; May 25.

Merrill, David R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Extracting mineral oils with basic selective solvents. 2,081,498; May 25.

Metal Finishing Research Corporation. (See Tanner, Robert R., assignor.)

Metallgesellschaft Aktiengesellschaft. (See Petersen, A. E., and Gensecke, assignors.)

Meyer, Pierre H., Mount Vernon, N. Y. Four-way supporting device. 2,081,635; May 25.

Meyer, Wilfried, Birkenwerder, near Berlin, and E. Weise, assignors to Patent-Treuhand-Gesellschaft für Elektrische Gluhlampen, m. b. H., Berlin, Germany. Resistance body made from semi-conductive substances. 2,081,894; May 25.

Midway Chemical Company. (See Glover, John, assignor.)

Miller, Constantine G., assignor to The Meaker Company, Chicago, Ill. Electroprocessing machine. 2,081,551; May 25.

Milmoe, Michael J., Glen Ellyn, assignor to F. B. Redington Co., Chicago, Ill. Gluing mechanism. 2,081,758; May 25.

Minich, Arthur, Newark, N. J., assignor to Nuodex Products Co., Inc. Drier. 2,081,407; May 25.

Minneapolis-Moline Power Implement Company. (See Swenson, William E., assignor.)

Minors, Stanley, Youngstown, Ohio. Kitchen utility device. 2,081,636; May 25.

Mishawaka Rubber and Woolen Manufacturing Company et al. (See Cunningham, M. M., and Bradley, assignors.)

Mock, Judson, Voehringer Co. Inc. et al. (See Grosse, William M., assignor.)

Moloney, Raymond T. (See Breitenstein, C. J., and Hooker, assignors.)

Moluf, Peder A., assignor to Paxton-Mitchell Company, Omaha, Nebr. Sectional mold. 2,081,304; May 25.

Monopower Corporation, The. (See Tyler, Tracy B., assignor.)

Monsanto Chemical Company. (See Bartram, Thomas W., assignor.)

Monsanto Chemical Company. (See Booth, C. F., and Malowan, assignors.)

Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Flanged head for paper containers and making the same. 2,081,759; May 25.

Moore, Robert E., Evanston, Ill. Hot water heating system. 2,081,831; May 25.

Moorshead, Thomas C., Strand, London, England, assignor to Ball Brothers Company, Muncie, Ind. Glass forming machine. 2,081,895; May 25.

Morgenstern, Joseph, Shaker Heights, and J. Brasty, Maple Heights, Ohio. Insulator. 2,081,832; May 25.

Morrison, George, Poughkeepsie, N. Y. Vending machine. 2,081,338; May 25.

Morse, James W. (See Lisle, H. C., and Morse.)

Morton, Edmund R. (See Stoller, H. M., and Morton.)

Motor Products Corporation. (See Kellogg, Homer G., assignor.)

Motor Products Corporation. (See Lane, Guy M., assignor.)

Mueller, Hilmar, and H. Tretter, Trenton, N. J. Foot vibrator. 2,081,365; May 25.

Mulder, Johannes G. W., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric discharge tube. 2,081,247; May 25.

Muldoon, Bernard F., Mountainview, N. J., assignor to H. Hyman, Brooklyn, N. Y. Fuse plug. 2,081,675; May 25.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,081,366; May 25.

Murphy, Frank N., Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Fluid pressure operated camera dolly. 2,081,248; May 25.

Murray Corporation of America, The. (See Graebner, Otto F., assignor.)

Myers, Elias G., Toledo, Ohio, assignor to The Myers-Sherman Company, Chicago, Ill. Mixing apparatus. 2,081,552; May 25.

Myers, George F., New York, N. Y. Flying machine. 2,081,151; May 25.

Myers-Sherman Company, The. (See Myers, Elias G., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)

N. V. Philips' Gloeilampenfabrieken. (See de Fries, Johan D., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Krol, Baarte, assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Mulder, Johannes G. W., assignor.)

Naamlooze Vennootschap Hollandsche Draad-en Kabelfabriek. (See van Hoffen, Hendrik A. M., assignor.)

Nachreiner, Harry J., Lombard, Ill. Brick veneering structure. 2,081,380; May 25.

Nagel, Joseph S., Anaheim, Calif. Building structure. 2,081,499; May 25.
Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,081,760; May 25.
Nardone, Romeo M., Orange, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,081,761; May 25.
National Aniline & Chemical Company. (See Foster, Harold B., assignor.)
National Bearing Metals Corporation. (See Vigne, Albert, assignor.)
National Cash Register Company, The. (See Gelpke, Kurt, assignor.)
National Oil Products Company. (See Leupold, Henry, assignor.)
National Sewing Machine Company. (See Smith, Walter A., assignor.)
Natural Gas Equipment, Inc. (See Balthis, Ben D., assignor.)
Neeson, Charles R., New Rochelle, N. Y., assignor to Baldwin-Southwark Corporation. Air conditioning apparatus. 2,081,553; May 25.
Neet, Incorporated. (See Pacini, Albert B., assignor.)
Neugebauer, Wilhelm, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Preparation of starch-degrading enzymes. 2,081,676; May 25.
Neville Company, The. (See Carmody, William H., assignor.)
Newhall, H. B., Corporation. (See Pleister, Henry W., assignor.)
Nicol, Herbert E., assignor to Kerner Incinerator Co., Milwaukee, Wis. Incinerator hopper. 2,081,554; May 25.
Nicolai, Fritz. (See Reppe, W., and Nicolai.)
Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Electrical weighing and distribution system. 2,081,367; May 25.
Nigbor, Thomas, Milwaukee, Wis., assignor, by mesne assignments, to J. K. Egerman. Pipe flushing system. 2,081,204; May 25.
Nissen, Harry C., South Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic regulation for engine cooling means. 2,081,762; May 25.
Norcross, Thomas. (See Willshaw, H., and Norcross.)
North American Rayon Corporation. (See Byron, T. H., and Bley, assignors.)
North British Rubber Company Limited, The. (See Johnston, Alexander, assignor.)
Norton Company. (See Webster, Duane E., assignor.)
Nowak, Emil H., Belvidere, Ill. Sediment evacuating implement. 2,081,597; May 25.
Nowosielski, Edward B., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Ignition apparatus. 2,081,500; May 25.
Nowosielski, Edward B., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Ignition apparatus. 2,081,501; May 25.
Nowosielski, Edward B., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Ignition apparatus. 2,081,502; May 25.
Nowosielski, Edward B., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Ignition apparatus. 2,081,503; May 25.
Nufer, Edward, North Bergen, N. J., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Pattern mechanism. 2,081,637; May 25.
Nuodex Products Co. (See Minich, Arthur, assignor.)
Nuss, George A., Cincinnati, Ohio. Closure for bottles. 2,081,833; May 25.
Oakes Products Corporation. (See Sandberg, Ray A., assignor.)
Oberhoffken, Alexander. (See Perry, R. S., and Oberhoffken.)
Oehmichen, Etienne E., Valentigney, France. Aerial navigation apparatus. 2,081,381; May 25.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track shunting apparatus. 2,081,555; May 25.
Okonite-Callender Cable Company, The. (See Bennett, Charles E., assignor.)
Oliver Farm Equipment Company. (See Altgelt, Herman E., assignor.)
Olson, Gordon L., Arlington, Mass. Applicator for plastic material and the like. 2,081,673; May 25.
Olson, John E. (See Ford, J. C., and Olson.)
O'Neill, James J., Oakland, Calif. Stop for telescoping members. 2,081,677; May 25.
Ordorica, Alejandro. (See Blasquez, F., and Ordorica.)
Orebaugh, John N. (See Lendrum, A. M., and Orebaugh.)
Otis Elevator Company. (See Dunn, Edward L., assignor.)
Owens, Orville R., assignor to Wells-Gardner & Company, Chicago, Ill. Round corner. 2,081,638; May 25.
Pacini, Albert B., assignor to Neet, Incorporated, Chicago, Ill. Depilatory. 2,081,279; May 25.
Padgett, Joseph E., Toledo, Ohio. Universal joint. 2,081,505; May 25.
Paper Service Company, The. (See Rowe, William W., assignor.)
Parke, Davis & Company. (See Mattheus, Albert O., assignor.)
Parker, Thomas J., assignor of three-fourths to J. Waldner, Indianapolis, Ind. Electric steam boiler. 2,081,206; May 25.
Parks, Robert S., Kokomo, Ind. Dispensing device. 2,081,334; May 25.
Parmeson, Joseph, Los Angeles, Calif. Battery terminal connecter. 2,081,435; May 25.
Patent-Treuhand-Gesellschaft für Elektrische Gluhlampen, m. b. H. (See Meyer, W., and Weise, assignors.)
Paxton-Metchell Company. (See Moluf, Peder A., assignor.)
Pearl, John W., Yeadon, Pa., assignor to The Barrett Company, New York, N. Y. Feeding device for shingle cutters. 2,081,280; May 25.
Peiler, Karl E., West Hartford, and A. J. Smith, Bloomfield, assignors to Hartford-Empire Company, Hartford, Conn. Apparatus for forming glassware. 2,081,859; May 25.
Pelton Water Wheel Company, The. (See Quick, Ray S., assignor.)
Perfotex Company, The. (See Chandler, Frank J., assignor.)
Perkins, Melville F. (See Betterton, J. O., and Perkins.)
Perry, Raymond S., and A. Oberhoffken, assignors to The Ingersoll Milling Machine Company, Rockford, Ill. Method of and apparatus for face milling. 2,081,639; May 25.
Peters, Orville S., Chevy Chase, Md., and G. S. von Heydekampf, Ridley Park, assignors to Baldwin-Southwark Corporation, Philadelphia, Pa. Recording testing machine. 2,081,598; May 25.
Peters, Orville S., Chevy Chase, Md., assignor to Baldwin-Southwark Corporation, Philadelphia, Pa. Load control apparatus for hydraulic type testing machines. 2,081,599; May 25.
Petersen, Alfred E., Frankfort-on-the-Main, and W. Gensecke, Gonzenheim, near Frankfort-on-the-Main, assignors to Metallgesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany. Latex concentrate. 2,081,556; May 25.
Petersen, Ulric K., Portland, Oreg. Ventilator attachment. 2,081,640; May 25.
Peterson, George, and R. A. Magnuson, assignors to Vogel-Peterson Co. Inc., Chicago, Ill. Garment rack. 2,081,763; May 25.
Peterson, Harold E., Los Angeles, Calif. Sheet metal fastener. 2,081,305; May 25.
Petroleum Iron Works Company of Ohio, The. (See Shanor, Edgar E., assignor.)
Pfeil, Roy C. (See Bloss, R. R., and Pfeil.)
Philipp, Lawrence A., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,081,883; May 25.
Phillips Petroleum Company. (See Schulze, Walter A., assignor.)
Piatt, William M., Durham, N. C. Sewage aeration. 2,081,382; May 25.
Pierce, James B., Jr., assignor to Barium Reduction Corporation, Charleston, W. Va. Blanc fixé and making same. 2,081,835; May 25.
Pierce, Robert H., Duxbury, and R. T. Fisher, Weston, Mass. Taffrail speedometer. 2,081,557; May 25.
Pleister, Henry W., Westfield, assignor to H. B. Newhall Corporation, Garwood, N. J. Bolt anchor. 2,081,764; May 25.
Pokorny, Karl. (See Gschöpf, R., and Pokorny.)
Polin, Herbert S., Port Washington, assignor to Polin, Inc., New York, N. Y. High frequency apparatus. 2,081,711; May 25.
Polin, Inc. (See Polin, Herbert S., assignor.)
Pomeroy, Edward S., assignor to Smith and Wesson, Inc., Springfield, Mass. Pistol. 2,081,438; May 25.
Poppe, George W., assignor to Equitable Paper Bag Co., Inc., Brooklyn, N. Y. Double flap bag and making same. 2,081,600; May 25.
Potter, Frederick T., Whitinsville, assignor to Stark Tool Company, Waltham, Mass. Lathe. 2,081,641; May 25.
Prahl, Milton A., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Diaryl oxide sulphonic acids and preparing the same. 2,081,876; May 25.
Prange, Charles H., Lyndhurst, N. J., assignor to Austenal Laboratories, Inc., New York, N. Y. Casting investment material and process. 2,081,558; May 25.
Pretot, Armand V., New Providence, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Wall assembly and stud. 2,081,368; May 25.
Prückner, Hermann, assignor, by mesne assignments, to Böhme Fettchemie-Gesellschaft mit beschrankter Haftung, Chemnitz, Germany. Producing aliphatic carbonyl compounds. 2,081,506; May 25.
Prudden, Theodore M., Hingham Center, Mass. Acoustical structure. 2,081,765; May 25.
Pryba, Stanley, Toledo, Ohio. Disinfecting means for toilets. 2,081,249; May 25.
Pudge, Elmer E. (See Reals, A. F., and Pudge.)
Pulvis Aktiengesellschaft. (See Schweich, Roger, assignor.)
Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Refuse receptacle for vehicle bodies. 2,081,559; May 25.
Pure Oil Company, The. (See Stockard, Paul F., assignor.)
Quick, Clyde H., Springfield, Ohio. Conveying apparatus. 2,081,504; May 25.
Quick, Ray S., Burlingame, Calif., assignor to The Pelton Water Wheel Company. Pumping system. 2,081,860; May 25.
Racklyeft, John W., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Clutch and control mechanism therefor. 2,081,838; May 25.
Racz, Ernest, assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,081,836; May 25.
Radio Corporation of America. (See Beverage, Harold H., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Dowsett, H. M., and Cadzow, assignors.)
Radio Corporation of America. (See Linsell, Alfred A., assignor.)
Radio Corporation of America. (See Rohner, Arnold J., assignor.)
Radio Corporation of America. (See Thomas, Adolph A., assignor.)
Radio Corporation of America. (See Unk, Jacob M., assignor.)
Radio Patents Corporation. (See Hollmann, Hans E., assignor.)
Radio Patents Corporation. (See Richter, Rudolf H., assignor.)
Rady, William J., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Generator regulator. 2,081,837; May 25.
Raffelson, Isaac, New York, N. Y. License plate casing and illuminator. 2,081,281; May 25.
Raggenbass, Charles. (See Kritzler, C., and Raggenbass.)
Rankin, William K., Lansdowne, Pa., assignor to General Electric Company. High-voltage current-responsive apparatus. 2,081,839; May 25.
Rauen, Carl F., Detroit, Mich. Muffler. 2,081,306; May 25.
Ray-O-Vac Company. (See Anthony, Herman R. C., assignor.)
Rector, Nelson, Clintonville, Wis. Pipe wrench. 2,081,383; May 25.
Redington, F. B. Co. (See Milmoe, Michael J., assignor.)
Reed, James H., Marblehead, Mass., by Annie L. Hosmer, administratrix. Lasting machine. 2,081,207; May 25.
Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Gas stove. 2,081,507; May 25.
Regan, Michael C., Califon, N. J. Continuously closing and sealing vacuum jars. 2,081,208; May 25.
Reich, Samuel, New York, N. Y. Shirt form protector. 2,081,408; May 25.
Remington Rand Inc. (See Doebler, Herman U., assignor.)
Remington Rand Inc. (See Shallor, Frank E., assignor.)
Replogle, Harry H., Scarsdale, and S. N. Dalton, Huntington Terrace, Long Island, N. Y., assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Wrapped container. 2,081,152; May 25.
Reppe, Walter, and F. Nicolai, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Thioethers and their production. 2,081,766; May 25.
Republic Steel Corporation. (See Kahn, J., and Schulz, assignors.)
Reshower, Elbert. (See Fisch, Max, assignor.)
Resinous Products & Chemical Co. Inc., The. (See Bruson, Herman A., assignor.)
Rhinelander Paper Company. (See Dodge, Lloyd L., assignor.)
Rhodes, Audsley V., Elizabeth, N. J., assignor to Standard Oil Development Company. Plate support for plate and frame presses. 2,081,183; May 25.
Rhodes, Benjamin F., assignor of one-third to H. E. James, one-third to W. A. Clifton, and one-third to H. L. Clifton, Eufaula, Ala. Stitch removing tool. 2,081,250; May 25.
Richter, Rudolf H., Leipzig, Germany, assignor to Radio Patents Corporation, New York, N. Y. Indicating device. 2,081,767; May 25.
Ridgway, Charles M., Muskogee, Okla., assignor to The Pure Oil Company, Chicago, Ill. Automatic side stream control system. 2,081,601; May 25.
Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Operating mechanism for window regulators and door latches. 2,081,251; May 25.
Riley Stoker Corporation. (See Andrews, L. V., and Walton, assignors.)
Riley Stoker Corporation. (See Kuhner, Max H., assignor.)
Ritter, Richard M., Philadelphia, Pa. Vaporizer. 2,081,768; May 25.
Roberts, Edward N., Casper, Wyo., assignor to Standard Oil Company, Chicago, Ill. Recovery of solvents from oil. 2,081,884; May 25.
Roberts, Elliott J. (See Darby, G. M., Roberts, and Weber.)
Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, New York, N. Y. Centrifugal apparatus. 2,081,840; May 25.
Robertson, Arthur F. (See Dunham, L. S., and Robertson.)
Robinson, Harry E., and F. C. Eicher, assignors to Libby-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for handling and emptying glass melting pots. 2,081,769; May 25.
Rogers, Walter F., assignor to Crown Stove Works, Cicero, Ill. Burner plate for stove ovens. 2,081,560; May 25.
Rohmann, Carl, Jena, Germany. Local anaesthetically active pharmaceutical preparation and preparing the same. 2,081,712; May 25.
Rohner, Arnold J., Haddon Heights, N. J., assignor to Radio Corporation of America. Compensator for variations of plate currents. 2,081,713; May 25.
RoKo Corporation. (See Coberly, Clarence J., assignor.)
RoKo Corporation. (See Coberly, C. J., and Hanson, assignors.)
Rolleston, Lancelot O. (See Campbell, J., and Rolleston.)
Rosenberg, Heyman, New York, N. Y. Damper bearing unit. 2,081,307; May 25.
Rosenblad, Curt F., Sodertalje, Sweden, assignor to Aktiebolaget Rosenblads Patenter, Stockholm, Sweden. Heat exchanger. 2,081,678; May 25.
Rosenblum, Israel, Jackson Heights, N. Y. Synthetic resin. 2,081,153; May 25.
Rosenblum, Israel, Jackson Heights, N. Y. Artificial resin and making the same. 2,081,154; May 25.
Rosinsky, Walter, Oppau, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing acetaldehyde from acetylene. 2,081,770; May 25.
Ross, Raymond W., and S. H. Seberhagen, deceased, Sophie Seberhagen, executrix, assignors to Leeds and Northrup Company, Philadelphia, Pa. Electric circuit controller. 2,081,184; May 25.
Ross, Walter C., Springfield, assignor to White & Wyckoff Mfg. Company, Holyoke, Mass. Notebook. 2,081,875; May 25.
Rossman, Allen M., Wilmette, assignor to Rossman Engineering Company, Chicago, Ill. Frequency converter. 2,081,369; May 25.
Rossman Engineering Company. (See Rossman, Allen M., assignor.)
Rothe, Horst, and W. Kleen, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron discharge device. 2,081,714; May 25.
Routh, Almond C., Sandusky, Ohio, assignor, by mesne assignments, to The Girdler Corporation, Louisville, Ky. Apparatus for forming unit portions of ice cream or the like. 2,081,282; May 25.
Roux, Charles, and L. E. Clémencet, Paris, France. Self-releasing clutch. 2,081,679; May 25.
Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Composite fabrics and their manufacture. 2,081,308; May 25.
Rubenstein, Harry J., Kansas City, Mo. Pedestal structure. 2,081,602; May 25.
Rue, Harold E., West Orange, and R. N. Bostock, Montclair, assignors to Hoffman Beverage Company, Newark, N. J. Liquid storage tank. 2,081,339; May 25.
Runyan, Arthur L., New York, N. Y., assignor to Translaphon Corporation, Newark, N. J. Mechanism for selectively reproducing and automatically repeating sound record material. 2,081,885; May 25.
Rupp, Emil, Reihen, assignor to Allgemeine Elektricitatz Gesellschaft, Berlin, Germany. Producing dry-rectifiers and blocking layer-photocell plates. 2,081,771; May 25.
Rush, Francis M., Des Moines, Iowa. Beverage bottle shield and gripping device. 2,081,409; May 25.
Ryan Coffee Corporation. (See Ryan, W. M., and Bold, assignors.)
Ryan, William M., and J. W. Bold, Brooklyn, assignor to Ryan Coffee Corporation, New York, N. Y. Granulator. 2,081,283; May 25.
Saint-Jacques, Eugène C., Paris, France. Method and device for the electrical purification of gases. 2,081,772; May 25.
Sandberg, Ray A., assignor to Oakes Products Corporation, North Chicago, Ill. Motor rotor hub assembly. 2,081,603; May 25.
Schatzel, Rudolph A., Rome, N. Y., assignor to General Cable Corporation, New York, N. Y. Insulated electrical conductors. 2,081,384; May 25.
Schaum, Fletcher, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Centrifugal circuit breaker. 2,081,604; May 25.
Schlétter, Richard, assignor to Wallis Hosiery Company, North Wales, Pa. Narrowing mechanism. 2,081,185; May 25.
Schletter, Richard, assignor to Wallis Hosiery Company, North Wales, Pa. Reenforced stocking toe fabric. 2,081,186; May 25.
Schlichenmaier, Hans. (See Kränzlein, G., Schlichenmaier, and Meissner.)
Schmuck, Philip A., Winter Haven, Fla. Cable splicing device. 2,081,773; May 25.
Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Artificial film containing derivatives of cellulose. 2,081,155; May 25.
Scholi, William M., Chicago, Ill. Corn pad and the like. 2,081,715; May 25.

Scholl, William M., Chicago, Ill. Foot treatment pad and its manufacture. 2,081,716; May 25.
Schulz, Walter F. (See Kahn, J., and Schulz.)
Schulze, Walter A., assignor to Phillips Petroleum Company, Bartlesville, Okla. Treating oils. 2,081,309; May 25.
Schurger, Garner H. (See Gallimore, K. F., and Schurger.)
Schwabach, Max, London, England. Ash discharger. 2,081,680; May 25.
Schweich, Roger, Paris, France, assignor to Pulvis Aktiengesellschaft, Glarus, Switzerland. Clutch. 2,081,561; May 25.
Scripture, Edward W., Jr., Shaker Heights, Ohio. Indurating composition for concrete. 2,081,642; May 25.
Scripture, Edward W., Jr., Shaker Heights, Ohio. Indurating composition for concrete. 2,081,643; May 25.
Seberhagen, Sigurd H. (See Ross, R. W., and Seberhagen.)
Seberhagen, Sophie, executrix. (See Ross, R. W., and Seberhagen.)
Secrist, Horance A., Walpole, Mass., assignor to The Kendall Company, Boston, Mass. Fabric. 2,081,370; May 25.
Seeber, Peter, Champaign, Ill. Corn detasseling machine. 2,081,681; May 25.
Seederer, Jacob E., Bloomfield, assignor to Seederer-Kohlbusch, Inc., Jersey City, N. J. Precision balance. 2,081,252; May 25.
Seederer-Kohlbusch, Inc. (See Seederer, Jacob E., assignor.)
Serre, Paul, Paris, France. Distributing device. 2,081,253; May 25.
Shailor, Frank E., Detroit, Mich., assignor to Remington Rand Inc., Buffalo, N. Y. Visible card file. 2,081,841; May 24.
Shanor, Edgar E., assignor to The Petroleum Iron Works Company of Ohio, Sharon, Pa. Closing sealing rings. 2,081,877; May 25.
Sharp, Robert E. B., Philadelphia, Pa., assignor to Baldwin-Southwark Corporation. Pivot valve and sealing means. 2,081,842; May 25.
Sharples Specialty Company, The. (See Ambler, C. M. Jr., and Underwood, assignors.)
Shaver, William W., assignor to Corning Glass Works, Corning, N. Y. Insulator having high surface resistance and making it. 2,081,508; May 25.
Shaw, William B., Edmonton, Alberta, assignor to The Locbar Buckle Company, Limited, Halifax, Nova Scotia, Canada. Garment slide. 2,081,385; May 25.
Sheehan, John J., and W. P. Egan, Lynn, Mass. Wax thread sewing machine. 2,081,371; May 25.
Shell Development Company. (See Carney, Samuel C., assignor.)
Shell Development Company. (See van Dijck, Willem J. D., assignor.)
Shell Development Company. (See van Dijck, W. J. D., and Mayer, assignors.)
Shelor, Frederick L., assignor to Innovation Brakes, Inc., Richmond, Va. Braking mechanism for automobiles. 2,081,254; May 25.
Shields, John W., assignor, by mesne assignments, to International Door Company, Evansville, Ind. Revolving door mechanism. 2,081,774; May 25.
Short, Bladen M. (See Jandus, H. S., and Short.)
Shur, Belle A. (See McLean, G. W., and Shur.)
Sibley F. M. Lumber Company. (See Clark, Waldo E., assignor.)
Siemens & Halske Aktiengesellschaft. (See Janovsky, Wilhelm, assignor.)
Signal Engineering & Manufacturing Company. (See Ebert, Joseph F., assignor.)
Simmons, Bernard L., Mount Ranier, Md. Mechanical dotting device. 2,081,439; May 25.
Simplex Automatic Press Feeder Corporation. (See Baker, Arthur G., assignor.)
Simsinoviel, Martin, Paris, France. General container and closure and toothed article therefor. 2,081,509; May 25.
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake drum. 2,081,605; May 25.
Slade, Starkie N., Sr., Durham, N. C. Plant protector. 2,081,775; May 25.
Slattery, Thomas E. (See Hall, A., Young, and Slattery.)
Smart, Kenneth R., Highland Park, Mich. Distributing valve. 2,081,510; May 25.
Smith, Algy J. (See Peller, and Smith.)
Smith, Anthony N., Girard, assignor, by mesne assignments, to The Girard Manufacturing Company, Girard, Pa. Toy railway crossover. 2,081,682; May 25.
Smith, A. O. Corporation. (See Malke, S., and Kjellgren, assignors.)
Smith, Earl K. (See Edwards, D. V., and Smith.)
Smith, Orville, Cleveland, Ohio. Golf putting device. 2,081,511; May 25.
Smith, Walter A., assignor to National Sewing Machine Company, Belvidere, Ill. Sewing machine. 2,081,562; May 25.
Smith and Wesson, Inc. (See Pomeroy, Edward S., assignor.)
Smith, William A., Lyndonville, N. Y. Apparatus for preparing food substances. 2,081,512; May 25.
Smith, William A., Lyndonville, N. Y. Method of and apparatus for refining fruit sauces. 2,081,513; May 25.
Smythe, Ethelbert H., Detroit, Mich. Antirattling gear. 2,081,644; May 25.
Società Italiana Pirelli. (See Emanueli, Luigi, assignor.)
Société Anonyme Francaise du "Ferodo". (See Vicq, Jean C. A., assignor.)
Societe Generale des Carborateurs Zenith. (See Gistucci, P. X. A., and Lichtenstein, assignors.)
Socony-Vacuum Oil Company. (See Story, B. W., and Fuller, assignors.)
Solosko, Abraham, Chicago, Ill. Elastic attaching device. 2,081,683; May 25.
Solvay Process Company, The. (See Kniskern, W. H., and Lawrence, assignors.)
Sorkind, Abraham, Brawley, Calif. Necktie. 2,081,606; May 25.
Southern Kraft Corporation. (See Kondolf, Henry, assignor.)
Sowter, Percy F. C. (See Dickie, W. A., and Sowter.)
Spahn, John R., assignor to Bernardin Bottle Cap Co., Evansville, Ind. Jar closure. 2,081,340; May 25.
Spielberger, Josephine, Jamaica, N. Y. Slide fastener. 2,081,514; May 25.
Squires, John, Hagerstown, Md., assignor to United Aircraft Corporation, East Hartford, Conn. Producing propeller blades. 2,081,645; May 25.
Squires, John, Hagerstown, Md., assignor to United Aircraft Corporation, East Hartford, Conn. Making propeller blades. 2,081,646; May 25.
Squires, John, Hagerstown, Md., assignor to United Aircraft Corporation, East Hartford, Conn. Propeller blade. 2,081,647; May 25.
Standard Alcohol Company. (See Brooks, Benjamin T., assignor.)
Standard Hanger Co. (See Brownstein, Louis, assignor.)
Standard Mailing Machines Company. (See Storck, Frederick W., assignor.)
Standard Oil Company. (See Atwell, Harold V., assignor.)
Standard Oil Company. (See Giles, Roy N., assignor.)
Standard Oil Company. (See Roberts, Edward N., assignor.)
Standard Oil Company, The. (See Burk, Robert E., assignor.)
Standard Oil Development Company. (See Blau, Ludwig W., assignor.)
Standard Oil Development Company. (See de Mering, Boris S., assignor.)
Standard Oil Development Company. (See Ellis, Carleton, assignor.)
Standard Oil Development Company. (See Hewlett, A. P., and Cole, assignors.)
Standard Oil Development Company. (See Rhodes, Audsley V., assignor.)
Standard Oil Development Company. (See Wiezevich, Peter J., assignor.)
Standard Sports Mfg. Co. (See Levinson, David, assignor.)
Standard Stoker Company, The. (See Hogg, Francis, assignor.)
Standard Stoker Company, The. (See Hubler, Charles P., assignor.)
Stark, Ludwig, North Bergen, N. J. Fastener for sanitary napkins and the like. 2,081,410; May 25.
Stark Tool Company. (See Potter, Frederick T., assignor.)
Steele, Harry C., Ashland, Ky. Tank closure. 2,081,717; May 25.
Stewart, Carlton D., Berkeley, Calif., and C. C. Farmer, Pittsburgh, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake equipment for railway vehicles. 2,081,463; May 25.
Stewart, Carlton D., Swissvale, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake valve device. 2,081,464; May 25.
Stewart, Carlton D., Swissvale, and E. E. Hewitt, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Trip cock interlock device. 2,081,465; May 25.
Stockard, Paul F., Marcus Hook, Pa., assignor to The Pure Oil Company, Chicago, Ill. Device for filling containers with semi-fluid material. 2,081,607; May 25.
Stockelbach, Frits E., Montclair, N. J., assignor to H. H. Fries, doing business as Fries Bros., New York, N. Y. Tertiary alkyl phenols. 2,081,284; May 25.
Stoddard, Ralph N., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Metering system. 2,081,684; May 25.
Stokes and Smith Company. (See Bleam, Edgar W., assignor.)
Stoller, Hugh M., Mountain Lakes, N. J., and E. R. Morton, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronous motor. 2,081,411; May 25.
Stolper, Harry, New York, N. Y. Eyeglasses. 2,081,608; May 25.
Stone, R. Harry, Bound Brook, N. J., assignor to Titeflex Metal Hose Co. Hose coupling. 2,081,156; May 25.

Storck, Frederick W., Arlington, Mass., assignor to Standard Mailing Machines Company, Everett, Mass. Sheet feeding device for duplicators. 2,081,386; May 25.
Story, Bertrand W., and E. W. Fuller, Woodbury, N. J., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated. Oil composition. 2,081,886; May 25.
Straus, Solomon, New York, N. Y. Cleaning and renovating apparatus. 2,081,685; May 25.
Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Texas. Combination huller and feeder. 2,081,412; May 25.
Strickland, Royal F., and H. D. Blake, Cleveland Heights, and S. McLean, South Euclid, Ohio, assignors to General Electric Company. Enclosed arc device. 2,081,776; May 25.
Stuart, Robert, Forest Hills, N. Y. Photoaddressing system. 2,081,187; May 25.
Süberkrüb, Franz, Hamburg, Germany. Paddle wheel propeller for ships. 2,081,649; May 25.
Subkow, Philip, assignor to Union Oil Company of California, Los Angeles, Calif. Co-precipitation of asphalt and wax. 2,081,310; May 25.
Suerken, Maxwell C., assignor to Lamac Process Company, Erie, Pa. Shoe pressing machine. 2,081,648; May 25.
Sugden, Walter J. (See Drysdale, William D., assignor.)
Sullivan, Daniel B., Portland, Conn. Swing. 2,081,341; May 25.
Sun Tube Corporation, The. (See Fridén, John H., assignor.)
Svenska Aktiebolaget Bromsregulator. (See Carlbom, Axel G. H., assignor.)
Svenska Aktiebolaget Bromsregulator. (See Malmquist, Nils G. A., assignor.)
Swartwood, Kenneth, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,081,342; May 25.
Swayne, Robinson & Company. (See McIlvane, Robert L., assignor.)
Swenson, William E., St. Paul, assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Crankshaft lubrication system. 2,081,157; May 25.
Swift, Claude E. (See Bray, U. B., and Swift.)
Swift, Claude E. (See Garofalo, R. J., and Swift.)
Sylvania Industrial Corporation. (See Replogle, H. H., and Dalton, assignors.)
Szweda, Rufin L., Milwaukee, Wis. Differential mechanism. 2,081,563; May 25.
Talalay, Josef A., Bedford, England. Manufacture of hollow rubber articles. 2,081,777; May 25.
Taman, Oscar, Chicago, Ill. Bicycle lock. 2,081,778; May 25.
Tamminga, William, and O. Bonami, assignors to Robert E. Corradini, New York, N. Y. Beverage dispenser. 2,081,158; May 25.
Tamminga, William, and O. Bonami, assignors to Robert E. Corradini, New York, N. Y. Liquid dispenser. 2,081,159; May 25.
Tamminga, William; O. Bonomi, New York, N. Y., R. E. Corradini, Bronx, New York, N. Y., and H. M. Jones, Huntington, W. Va., said Tamminga, Bonami, and Jones assignors to said Corradini. Sanitary liquid dispenser. 2,081,650; May 25.
Tamminga, William, and O. Bonomi, New York, and R. E. Corradini, Bronx, N. Y., said Tamminga and said Bonomi assignors to said Corradini. Sanitary liquid dispenser. 2,081,651; May 25.
Tanner, Robert R., Highland Park, assignor to Metal Finishing Research Corporation, Detroit, Mich. Method and material for coating metal. 2,081,160; May 25.
Tarisien, Theophile, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed governor. 2,081,466; May 25.
Taylor, John B. (See Edmundson, J. G., and Taylor.)
Tebo, William A., Anthony, R. I., assignor to Draper Corporation, Hopedale, Mass. Loom shuttle. 2,081,387; May 25.
Teetor, Paul, Castleton, Vt., assignor to Central Commercial Company. Preventing efflorescence on the surface of colored roofing granules. 2,081,609; May 25.
Telefonaktiebolaget L. M. Ericsson. (See Eil, Bernhard S. F., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie. (See Dissler, Walter, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Hasse, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Jobst, G., and Wehnert, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Klotz, Ernst, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Rothe, H., and Kleen, assignors.)
Teleregister Corporation, The. (See Hicks, R. M., and Whitney, assignors.)
Temchin, Yetta, and H. Gross, New York, N. Y. Inflatable swimming suit. 2,081,687; May 25.
Terhune, Edwin W., Bethel, Conn. Sash operating mechanism. 2,081,388; May 25.
Themak, Edward, assignor to Geck Laboratories, Inc., New York, N. Y. Ligature package. 2,081,389; May 25.
Theobald, Blaine R., Huntington Park, Calif. Collar support. 2,081,688; May 25.
Thomas, Adolph A., assignor to Radio Corporation of America, New York, N. Y. Remote control apparatus for electric tuning systems. 2,081,686; May 25.
Thomas, Harry A. (See Child, C., and Thomas.)
Thomas, James M., Durant, Okla. Loose leaf note book binder. 2,081,372; May 25.
Thompson, Ernest H., assignor to International Register Company, Chicago, Ill. Meter and timing means. 2,081,311; May 25.
Thompson, Franklin R., assignor to Electric Indicator Corporation, Stamford, Conn. Effecting remote indications. 2,081,413; May 25.
Thompson, Franklin R., Stamford, Conn. Telemetric transmitter. 2,081,414; May 25.
Thomson, Judson L., Mfg. Co. (See Hub, Alfred, assignor.)
Thorp, Vaughn P., River Edge, N. J., assignor to American Telephone and Telegraph Company. Carrier telegraph system. 2,081,312; May 25.
Titeflex Metal Hose Co. (See Stone, R. Harry, assignor.)
Titus, Robert S., New Rochelle, N. Y. Face mask. 2,081,779; May 25.
Todd Combustion Equipment, Inc. (See McDonald, James, assignor.)
Tompkins Bros. Co. (See Ingalls, Willis A., assignor.)
Tompkins, James G., Los Angeles, Calif. Hose supporter. 2,081,467; May 25.
Tompkins, James G., Los Angeles, Calif. Hose supporter. 2,081,468; May 25.
Tompkins, James G., Los Angeles, Calif. Hose supporter. 2,081,469; May 25.
Touceda, Enrique G., Albany, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Denture. 2,081,392; May 25.
Translaphon Corporation. (See Runyan, Arthur L., assignor.)
Trapp, George J., Merton Park, England, assignor to Automotive Products Company Limited, London, England. Cam follower. 2,081,390; May 25.
Trapp, George J., Merton Park, London, England, assignor to Automotive Products Company Limited, London, England. Cam follower. 2,081,391; May 25.
Travis, Roy G., Wilmette, assignor to International Tag & Salesbook Company, Chicago, Ill. Automatic tag threading machine. 2,081,285; May 25.
Trejo, Refugio, New York, N. Y. Needle. 2,081,515; May 25.
Tretolite Company. (See De Groote, Melvin, assignor.)
Tretter, Hans. (See Mueller, H., and Tretter.)
Trevaskis, Henry. (See Wright, J., and Trevaskis.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Tröger, Richard, Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company. Electric control circuit. 2,081,780; May 25.
Trojan Powder Company. (See Wyler, Joseph A., assignor.)
Troth, Walter A., Brooklyn, N. Y. Game apparatus. 2,081,255; May 25.
Trumbull Electric Manufacturing Company, The. (See Carlson, John E., assignor.)
Trumbull Electric Manufacturing Company, The. (See Du Bois, Kenneth W., assignor.)
Truscon Steel Company. (See Brown, Albert E., assignor.)
Truscon Steel Company. (See Kahn, Julius, assignor.)
Tsamourtzi, Evangelos T., Athens, Greece. Harp-like polyphone polychord musical instrument. 2,081,516; May 25.
Tsuji, Minato. (See Kato, Kihachi, assignor.)
Turner Company, The. (See Foster, Everette M., assignor.)
Turner, Harrison I., and C. L. Anderson, assignors to Eagle Signal Corporation, Moline, Ill. Synchronizing and speed control system and mechanism. 2,081,652; May 25.
Turner & Seymour Manufacturing Company. (See Abell, John W., assignor.)
Tuszynski, Nicholas, Milwaukee, assignor to Marathon Paper Mills Company, Rothschild, Wis. Dispenser for folded sheets. 2,081,564; May 25.
Tyler, George S., et al. (See Blood, Charles R., assignor.)
Tyler, Tracy B., assignor to The Monopower Corporation, Detroit, Mich. Transmission. 2,081,689; May 25.
Ufer, Hanns, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Production of aminoalkyl sulphones. 2,081,718; May 25.
Ukropina, Bozidar J., Los Angeles, Calif. Concrete pipe joint. 2,081,313; May 25.
Union Oil Company. (See Carr, Donald E., assignor.)
Union Oil Company of California. (See Aldridge, Blair G., assignor.)
Union Oil Company of California. (See Barnes, Charles D., assignor.)
Union Oil Company of California. (See Bray, Ulric B., assignor.)

Union Oil Company of California. (See Bray, U. B., and Carr, assignors.)
Union Oil Company of California. (See Bray, U. B., and Swift, assignors.)
Union Oil Company of California. (See Gard, Earl W., assignor.)
Union Oil Company of California. (See Garofalo, R. J., and Swift, assignors.)
Union Oil Company of California. (See Hopper, Basil, assignor.)
Union Oil Company of California. (See Merrill, David R., assignor.)
Union Oil Company of California. (See Subkow, Philip, assignor.)
Union Oil Company of California. (See Wade, Maner L., assignor.)
Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)
United Aircraft Corporation. (See Nissen, Harry C., assignor.)
United Aircraft Corporation. (See Squires, John, assignor.)
United-Carr Fastener Corporation. (See Dyresen, Didrick, assignor.)
United-Carr Fastener Corporation. (See Jones, Walter L., assignor.)
United Research Corporation. (See Hasbrouch, Harold J., Jr., assignor.)
United Shoe Machinery Corporation. (See Adams, Oscar G., assignor.)
United Shoe Machinery Corporation. (See Engel, Karl, assignor.)
U. S. Expansion Bolt Co. (See Cordes, Edward H., assignor.)
U. S. Slicing Machine Company. (See van Berkel, Wilhelmus A., assignor.)
Universal Oil Products Company. (See Angell, Charles H., assignor.)
Universal Oil Products Company. (See Ipatieff, Vladimir, assignor.)
Universal Oil Products Company. (See Swartwood, Kenneth, assignor.)
Universal Rotary Motors Company. (See Beals, A. F., and Pudge, assignors.)
Unk, Jacob M., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Device for the measuring and comparing of electrical impedances. 2,081,690; May 25.
Van Berkel, Wilhelmus A., Clarens, Montreux, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine driving mechanism. 2,081,256; May 25.
Vanderhoof, Lawrence A., assignor to Corry-Jamestown Manufacturing Corporation, Corry, Pa. Filing cabinet. 2,081,470; May 25.
Van Dijck, Willem J. D., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Solvent extraction process. 2,081,719; May 25.
Van Dijck, Willem J. D., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Extraction process. 2,081,720; May 25.
Van Dijck, Willem J. D., and A. W. J. Mayer, The Hague, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Solvent extraction process. 2,081,721; May 25.
Von Heydekampf, Gerd S. (See Peters, O. S., and von Heydekampf.)
Van Hoffen, Hendrik A. M., assignor to Naamlooze Vennootschap Hollandsche Draad-en Kabelfabriek, Amsterdam, Netherlands. Conducting rubber and its application. 2,081,517; May 25.
Van Horn, Junius B. (See Mendenhall, E., and Van Horn.)
Van Mourik Associates, Inc. (See van Mourik, Henry, assignor.)
Van Mourik, Henry, assignor to Van Mourik Associates, Inc., Detroit, Mich. Heel construction. 2,081,610; May 25.
Veazie, Edmund A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron emitter. 2,081,415; May 25.
Vicq, Jean C. A., assignor to Société Anonyme Francaise du "Ferodo", Paris, France. Device for preventing ballooning in spinning. 2,081,416; May 25.
Vigne, Albert, Webster Groves, assignor to National Bearing Metals Corporation, St. Louis, Mo. Journal bearing. 2,081,314; May 25.
Visensilins, Jose, assignor of one-fourth to J. De Robert, and one-fourth to A. Casajuana, Barcelona, Spain. Progressive and automatic change-speed mechanism. 2,081,373; May 25.
Visser't Hooft, Franciscus, and F. J. Gerrit de Leeuw, assignors to Lucidol Corporation, Buffalo, N. Y. Edible product. 2,081,343; May 25.
Vogel-Peterson Co. Inc. (See Peterson, G., and Magnuson, assignors.)
Voigtlander & Sohn Aktiengesellschaft. (See Barényi, Árpád, assignor.)
Von Ardenne, Manfred, Berlin, Germany. Braun tube. 2,081,344; May 25.
Vulcan Alloys Corporation. (See de Golyer, Anthony G., assignor.)
Wade, Maner L., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Lowering pour point of oil. 2,081,518; May 25.
Wade, Maner L., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Separating wax from oil. 2,081,519; May 25.
Wahl Clipper Corporation. (See Wahl, Leo J., assignor.)
Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Hair drying apparatus. 2,081,565; May 25.
Waldner, Joe. (See Parker, Thomas J., assignor.)
Walker, Brooks, Piedmont, and H. E. Kennedy, Berkeley, Calif., said Kennedy assignor to said Walker. Fuel injection system for internal combustion engines. 2,081,188; May 25.
Wallis, John S., and J. C. Mahoney, assignors to Alco Products, Incorporated, New York, N. Y. Distillation unit. 2,081,440; May 25.
Walls Hosiery Company. (See Schletter, Richard, assignor.)
Walton, Harold F. (See Andrews, L. V., and Walton.)
Ward, Silas S., Oak Grove, La. Hand saw set. 2,081,782; May 25.
Ward, Paul, Nashville, Tenn. Shoe tip press. 2,081,781; May 25.
Warner Bros. Pictures, Inc. (See Murphy, Frank N., assignor.)
Warner, Rudolph C., West Palm Beach, Fla. Game apparatus. 2,081,520; May 25.
Warp Twisting-In Machine Company. (See Becker, John H., assignor.)
Waterston, Charles L., and G. W. Holloway, Nashville, Tenn. Automatic stereotype chase lockup. 2,081,345; May 25.
Watson, Estell M., Cleveland Heights, Ohio, assignor to General Electric Company. Flash lamp synchronizing device. 2,081,783; May 25.
Weber, Max, Chicago, Ill. Constant level apparatus. 2,081,315; May 25.
Weber, William C. (See Darby, G. M., Roberts, and Weber.)
Webster, Duane E., assignor to Norton Company, Worcester, Mass. Grinding wheel and making the same. 2,081,843; May 25.
Weeks, May L., Utica, N. Y. Supporter for clothes lines. 2,081,471; May 25.
Weems, John C., White Hall, Ala. Combination planter and fertilizer distributor. 2,081,784; May 25.
Wehnert, Waldemar. (See Jobst, G., and Wehnert.)
Weinzierl, Joseph T., assignor to Kensington, Incorporated, New Kensington, Pa. Picture frame. 2,081,722; May 25.
Weise, Erwin. (See Meyer, W., and Weise.)
Wells-Gardner & Company. (See Owens, Orville R., assignor.)
Wenzel, Albert W., West Orange, N. J. Manufacturing packing rings. 2,081,257; May 25.
Wenzel, Albert W., West Orange, N. J. Making packing rings. 2,081,258; May 25.
Western Electric Company. (See Bent, E. D., and Eastlake, assignors.)
Western Electric Company. (See Jacobsen, Bent B., assignor.)
Western States Machine Company, The. (See Roberts, Eugene, assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, C. C., and McNeal, assignors.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Joiner, Sylvester L., assignor.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Air Brake Company, The. (See McClure, Glenn T., assignor.)
Westinghouse Air Brake Company, The. (See Stewart, Carlton D., assignor.)
Westinghouse Air Brake Company, The. (See Stewart, C. D., and Farmer, assignors.)
Westinghouse Air Brake Company, The. (See Stewart, C. D., and Hewitt, assignors.)
Westinghouse Air Brake Company, The. (See Tarisien, Theophile, assignor.)
Westinghouse Electric & Manufacturing Company. (See Grover, Elliott E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stoddard, Ralph N., assignor.)
Westman, Emil, Excelsior, assignor of one-third to E. C. Kibbee, Wayzata, Minn. Turbine. 2,081,611; May 25.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Band-pass filter. 2,081,861; May 25.
White, J. Samuel, & Company Limited. (See Hampden, Geoffrey C. E., assignor.)
White, John W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake construction. 2,081,521; May 25.
White, Stephen G. (See Hartman, R. G., and White.)
White & Wyckoff Mfg. Company. (See Larsen, Volney E., assignor.)

White & Wyckoff Mfg. Company. (See Ross, Walter C., assignor.)
Whiting, Charles A., Franklin, Mass., assignor to Whiting & Davis Company. Neckwear. 2,081,653; May 25.
Whiting & Davis Company. (See Whiting, Charles A., assignor.)
Whitney, Charles S. (See Hicks, R. M., and Whitney.)
Wiezevich, Peter J., Elizabeth, N. J., assignor to Standard Development Company. Dehydrating alcohols. 2,081,189; May 25.
Wilhelm, George L., and B. R. Andrus, Eugene, Oreg. Lacing awl. 2,081,209; May 25.
Wilkinson, William E., assignor to York Safe and Lock Company, York, Pa. Vault. 2,081,316; May 25.
Williams, Alfred L. W., assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric motor and generator device. 2,081,862; May 25.
Williams, Floyd E., Gary, Ind., assignor to Marbon Corporation. Film casting base. 2,081,723; May 25.
Williams, J. U., Jr., Los Angeles, Calif. Rotary propeller. 2,081,210; May 25.
Willshaw, Harry, Wylde Green, Birmingham, and T. Norcross, Erdington, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Automatic feeding or delivery apparatus. 2,081,441; May 25.
Willshaw, Harry, Wylde Green, S. N. Goodhall, Martsen Green, and W. A. Cowles, Sutton Coldfield, assignors to Dunlop Rubber Company Limited, London, England. Apparatus for painting or similarly treating objects such as golf balls. 2,081,442; May 25.
Wilson, Emilie M., San Francisco, Calif. Hat fastener. 2,081,317; May 25.
Wilson, Hill D., Houston, Tex. Well screen. 2,081,190; May 25.
Wilson, Lee. (See Woodson, James C., assignor.)
Winkler, Franz, Wurzburg, Germany. Freewheel coaster hub. 2,081,566; May 25.
Winkler, Franz, Wurzburg, Germany. Coaster-brake and brake-applying device. 2,081,567; May 25.
Winkler, Franz, Wurzburg, Germany. Free-wheel coaster-brake with brake coupling. 2,081,568; May 25.
Winograd, Harold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric valve control system. 2,081,844; May 25.
Wittek, Joseph, Pasadena, Calif. Valve. 2,081,878; May 25.
Woessner, John J., Maspeth, N. Y., assignor to Eberhard Faber Pencil Co. Eyebrow pencil. 2,081,286; May 25.
Wohlrabe, Otto, Plauen, Germany, assignor to Bell Punch Company Limited, London, England. Web feeding device. 2,081,654; May 25.
Wolcott, Carl H., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,081,569; May 25.
Woodson, James C., assignor to L. Wilson, Cleveland, Ohio. Baffle for heat exchange tubes. 2,081,612; May 25.
Wright, Horace C., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Shearing machine and comb therefor. 2,081,318; May 25.
Wright, John P. (See Lewis, O. L., and Wright.)
Wright, Joseph, Stoke Park, and H. Trevaskis, Sutton Coldfield, assignors to Dunlop Rubber Company Limited, London, England. Fluid pressure braking apparatus. 2,081,443; May 25.
Wright, Lloyd, Los Angeles, Calif. Roof and wall surface. 2,081,191; May 25.
Wyler, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Sucrose octanitrate. 2,081,161; May 25.
Yarnall, David R., assignor to Yarnall-Waring Company, Philadelphia, Pa. Valve construction. 2,081,522; May 25.
Yarnall-Waring Company. (See Yarnall, David R., assignor.)
Yellow Truck and Coach Manufacturing Company. (See Jantsch, Victor, assignor.)
Yellow Truck and Coach Manufacturing Company. (See Kelley, Oliver K., assignor.)
York Safe and Lock Company. (See Wilkinson, William E., assignor.)
Young, Geo., & Co. (See Fegan, Albert E., assignor.)
Young, Wilson T. (See Hall, A., Young, and Slattery.)
Zapf, Georg, Cologne, Germany, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Cable manufacture. 2,081,691; May 25.
Zwickl, Joseph R., Philadelphia, Pa., assignor to Baldwin-Southwark Corporation. Reversible refrigerant expansion means. 2,081,845; May 25.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Airplane. A. M. Henry. 20,379; May 25.
Chair, Folding. R. O. Stockil. 20,384; May 25.
Control device. W. L. Hickstein and E. C. Loesser. 20,380; May 25.
Film forming compositions and manufacturing same. K. Ripper. 20,383; May 25.
Heel patching lift, Rubber. A. L. Murray. 20,381; May 25.
Joint, Expansion. E. E. Hall and W. H. Eichelman. 20,378; May 25.
Musical instrument, Key operated stringed. E. G. A. Nylund. 20,382; May 25.
Road construction, Reenforced concrete. A. C. Fischer. 20,376; May 25.
Sewage sludge digester. F. Fries. 20,377; May 25.

LIST OF DESIGN INVENTIONS

Accordion or the like. J. M. Miller. 104,615; May 25.
Ash tray. A. C. Grunwald. 104,625; May 25.
Ashtray. W. E. Mackelfresh, Jr. 104,635; May 25.
Atomizer. F. A. Vuillemenot. 104,619; May 25.
Automobile. R. Heinz. 104,685; May 25.
Base for a desk stand. B. W. Hanle. 104,662; May 25.
Boiler jacket. G. Rohde. 104,701; May 25.
Boot, Riding. M. Jacob. 104,665; May 25.
Bottle. C. P. Englebardt. 104,655; May 25.
Bottle. E. W. and B. D. Fuerst. 104,656; May 25.
Bottle. P. G. Lloyd. 104,666; May 25.
Bottle. G. N. Mas. 104,696; May 25.
Box. M. H. Connor. 104,650; May 25.
Box, Lunch. M. H. Connor. 104,651–3; May 25.
Brush and mirror, Combination. E. L. Tourigny. 104,618; May 25.
Button. W. H. Craddock. 104,654; May 25.
Button. W. E. Stanbury. 104,707; May 25.
Cabinet, Electrotherapeutic apparatus. A. C. Haggstrom. 104,613; May 25.
Cabinet, Therapeutic apparatus. W. D. Teague. 104,643; May 25.
Case, Article display. T. J. Pilliod. 104,698–700; May 25.
Case, Instrument. L. Guild. 104,626; May 25.
Case or similar article, Combined battery and booster. E. W. Weston. 104,711; May 25.
Case or similar article, Vanity. E. J. Lux. 104,695; May 25.
Casing, Transformer. R. C. Hitchcock and U. L. Smith. 104,627; May 25.
Centerpiece or similar article. F. Williams. 104,712; May 25.
Chimney top. E. D. Wagner. 104,620; May 25.
Clip for writing implements or the like. A. Iannelli. 104,686–7; May 25.
Clock, Pedestal. J. H. Fronenberg. 104,658; May 25.
Container or similar article. L. L. Black. 104,649; May 25.
Cooler, Beverage. G. V. Steffens. 104,617; May 25.
Cover, Milk can. F. Bastinck. 104,647; May 25.
Dress. B. Fried. 104,680; May 25.
Dress ensemble. G. Diaz. 104,677; May 25.
Fabric, Combined tufted and embroidered. M. Mitler. 104,697; May 25.
Fabric or similar article, Net. D. Gross. 104,681–2; May 25.
Fabric or similar article, Textile. A. C. Jaeger. 104,689; May 25.
Fabric, Textile. A. Hausman. 104,684; May 25.
Fabric, Textile. W. Ross. 104,702; May 25.
Fabric, Textile. M. Turpan. 104,710; May 25.
Fork or similar article. M. Bernstein. 104,648; May 25.
Goblet or similar article. G. Sakier. 104,703; May 25.
Golf club. J. Sylvester. 104,642; May 25.
Guard, Pocket. W. R. Buxton. 104,610; May 25.
Handle for a casket or analogous article. R. Larson. 104,630; May 25.
Handle for a casket or analogous article. R. Larson. 104,633; May 25.
Hat. S. Scheuer. 104,704; May 25.
Heater, Space. G. L. Bridge. 104,609; May 25.
Holder, Flower. M. E. Perry. 104,636; May 25.
Inkstand. G. J. Sengbusch. 104,669; May 25.
Jar. L. E. Adams. 104,621; May 25.
Jar. W. B. Adams. 104,622; May 25.
Jar. B. D. Fuerst. 104,659; May 25.
Jug. E. W. and B. D. Fuerst. 104,657; May 25.
Kit or the like, Battery service. J. C. Thomas. 104,708; May 25.
Lace. I. Zendman, Jr. 104,713; May 25.
Lamp and horn, Combined. J. D. Kennelly. 104,628–9; May 25.
Leather, Artificial. J. A. Puppo. 104,637–9; May 25.
Leather, Embossed. H. Singer. 104,705; May 25.
Mounting, Ring. A. A. Ahlquist. 104,672; May 25.
Ornament for a casket or analogous article, Corner. R. Larson. 104,631; May 25.
Ornament for a casket or analogous article, Corner. R. Larson. 104,634; May 25.
Pastry blender. C. M. Bricker. 104,608; May 25.
Pen, Fountain. A. Baff. 104,646; May 25.
Pencil or similar article. F. C. Deli. 104,676; May 25.
Plate for a casket or analogous article. R. Larson. 104,632; May 25.
Plug, Electric connecter. R. Loewy. 104,692–4; May 25.
Projector, Photographic. J. A. Korengold. 104,690; May 25.
Ring, Finger. L. Ribera. 104,640; May 25.
Rug. L. Biva. 104,674; May 25.
Scooter. J. B. Eck. 104,679; May 25.
Shoe. A. Hurzeler. 104,664; May 25.
Shoe. H. H. C. Odencrants. 104,667; May 25.
Sign and clock or similar article, Combined. J. Trojan. 104,709; May 25.
Slip. H. Cohen. 104,675; May 25.
Slipper. V. L. Rice. 104,668; May 25.
Slipper. M. Shanzer. 104,670; May 25.
Spoon or other article of flatware. C. F. Simms. 104,671; May 25.
Stand, Desk. B. W. Hanle. 104,660–1; May 25.
Stand, Desk. B. W. Hanle. 104,663; May 25.
Stand for perfume bottles or the like, Display. S. Schein. 104,616; May 25.
Steering wheel device. J. Sinko. 104,706; May 25.
Thermometer, Desk. C. L. Rizer. 104,641; May 25.
Tire. W. E. Hardeman. 104,683; May 25.
Tool unit, Portable power-driven. A. G. Decker. 104,623; May 25.
Top. M. H. Lambert. 104,691; May 25.
Toy. G. F. Welch. 104,645; May 25.
Toy washing machine. D. C. Cahalane. 104,611; May 25.
Trough, Feed. A. N. Eaton. 104,624; May 25.
Tube and transformer case and bracket, Combined X-ray. J. J. Heger. 104,614; May 25.
Type font. F. L. Amberger. 104,673; May 25.
Vehicle. O. F. Jackson. 104,688; May 25.
Wagon, Coaster. J. B. Eck. 104,678; May 25.
Whipper appliance, Cream. E. A. Thompson and T. L. Hallak. 104,644; May 25.
Wringer, Clothes. N. L. Etten. 104,612; May 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF MAY, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetaldehyde from acetylene, Producing. W. Rosinsky. 2,081,770; May 25.
Acid, Preparing glyoxylic. P. Heisel. 2,081,355; May 25.
Acid, Treatment of phosphoric. C. F. Booth and J. E. Malowan. 2,081,351; May 25.
Acids and preparing the same, Diaryl oxide sulphonic. M. A. Prahl. 2,081,876; May 25.
Acids from crude tar, Extracting tar. C. M. Ambler, Jr., and C. E. Underwood. 2,081,692; May 25.
Acids, Purifying naphthenic. D. E. Carr. 2,081,475; May 25.
Acoustical structure. T. M. Prudden. 2,081,765; May 25.
Adjustable chair. M. P. Hoover. 2,081,333; May 25.
Adjustable shaft motor. A. Hollander. 2,081,454; May 25.
Aerial navigation apparatus. E. E. Oehmichen. 2,081,381; May 25.
Aeronautical device. J. P. Buckley. 2,081,134; May 25.
Air cleaner for internal combustion engines. E. C. Horton. 2,081,668; May 25.
Air conditioning apparatus. C. R. Neeson. 2,081,553; May 25.
Aircraft. J. V. Martin. 2,081,437; May 25.
Airplane. E. A. Marski. 2,081,490; May 25.
Alcohols by use of ethyl sulphuric acid, Making. B. T. Brooks. 2,081,166; May 25.
Alcohols, Dehydrating. P. J. Wiezevich. 2,081,189; May 25.
Alkyl phenols, Tertiary. F. E. Stockelbach. 2,081,284; May 25.
Aminoalkyl sulphones, Production of. H. Ufer. 2,081,718; May 25.
Amusement device. J. N. Bartlett. 2,081,261; May 25.
Anchor, Bolt. H. W. Pleister. 2,081,764; May 25.
Anchor, Rail. A. F. Fifield. 2,081,621; May 25.
Animal snaring device. M. Madsen. 2,081,379; May 25.
Annunciator for horse races. F. Kimbell. 2,081,822; May 25.
Antenna. A. Alford. 2,081,162; May 25.
Antenna structure. W. M. Hahnemann. 2,081,274; May 25.
Antiburn device for waving solutions in permanent waving. W. A. Kunze. 2,081,882; May 25.
Antirattling gear. E. H. Smythe. 2,081,644; May 25.
Apparel, Child's wearing. M. Fisch. 2,081,532; May 25.
Applicator for plastic material and the like. G. L. Olson. 2,081,673; May 25.
Arc device, Enclosed. R. F. Strickland, H. D. Blake, and S. McLean. 2,081,776; May 25.
Arch support, Cuboid-metatarsal. W. C. Burns. 2,081,474; May 25.
Articles, Apparatus for making. J. C. Ford and J. E. Olson. 2,081,533; May 25.
Ash discharger. M. Schwabach. 2,081,680.
Asphalt and wax, Co-precipitation of. P. Subkow. 2,081,310; May 25.
Asphalt conditioning and charging device. C. R. Blood. 2,081,472; May 25.
Atomizer. W. J. and C. J. Mehrman. 2,081,674; May 25.
Attachment for air brake pressure retaining valves. S. L. Joiner. 2,081,457; May 25.
Attachment for producing a natural ridge in hair. K. L. Heath. 2,081,199; May 25.
Attenuator. S. J. A. M. Bagno. 2,081,572; May 25.
Automatic mixing valve. E. Babbin. 2,081,726; May 25.
Automobile ventilator. E. L. Kraft. 2,081,486; May 25.
Awl, Lacing. G. L. Wilhelm and B. R. Andrus. 2,081,209; May 25.
Baffle for heat exchange tubes. J. C. Woodson. 2,081,612; May 25.
Bag and making same, Double flap. G. W. Poppe. 2,081,600; May 25.
Balance, Precision. J. E. Seederer. 2,081,252; May 25.
Ball, Soft. A. E. Fegan. 2,081,531; May 25.
Band-pass filter. H. A. Wheeler. 2,081,861; May 25.
Base, Film casting. F. E. Williams. 2,081,723; May 25.
Bathtub. E. N. Bassett. 2,081,728; May 25.
Battery terminal connecter. J. Parmeson. 2,081,435; May 25.
Beading for furniture, Edge. L. Larsen. 2,081,179; May 25.
Bearing: *See*—
Journal bearing.
Propeller shaft center bearing.
Bearing. E. Mendenhall and J. B. Van Horn. 2,081,550; May 25.
Bedding. R. Kickenbush. 2,081,334; May 25.
Berth arrangement, Airplane sleeping. F. R. Canney. 2,081,529; May 25.
Beverage dispenser. W. Tamminga and O. Bonami. 2,081,158; May 25.
Bicycle lock. O. Taman. 2,081,778; May 25.
Bin construction, Storage. R. A. Ainsa. 2,081,725; May 25.
Bin, Rotatable. P. H. Frick. 2,081,856; May 25.
Binder, Loose leaf note book. J. M. Thomas. 2,081,372; May 25.
Bit: *See*—
Rotary face bit.
Blade holder. P. J. Haas. 2,081,232; May 25.
Blanc fixe and making same. J. B. Pierce, Jr. 2,081,835; May 25.
Bleaching. E. Franz. 2,081,327; May 25.
Board: *See*—
Shirt board.
Boiler: *See*—
Electric steam boiler.
Bolt, Toggle. E. H. Cordes. 2,081,323; May 25.
Book. E. P. S. Hoyt. 2,081,202; May 25.
Boring bar attachment. T. Lane. 2,081,487; May 25.
Bottle capping machine. W. I. Gladfelter. 2,081,809; May 25.
Bottle cooler. H. W. Kleist. 2,081,629; May 25.
Bottle necks, Method of and automatic apparatus for coating. E. T. Ferngren. 2,081,478; May 25.
Box: *See*—
Meter box.
Brake: *See*—
Caster brake.
Fluid pressure brake.
Fluid brake.
Magnetic shoe brake.
Brake. L. E. La Brie. 2,081,588–90; May 25.
Brake booster for automotive vehicles. C. Y. Chittick. 2,081,737; May 25.
Brake construction. J. W. White. 2,081,521; May 25.
Brake control device. B. S. Aikman. 2,081,444; May 25.
Brake drum. C. W. Sinclair. 2,081,605; May 25.
Brake equipment for railway vehicles. C. D. Stewart and C. C. Farmer. 2,081,463; May 25.
Brake material and process connected therewith. M. M. Cunningham and C. E. Bradley. 2,081,578; May 25.
Brake pipe holding means. C. C. Farmer. 2,081,698; May 25.
Brake system, Railway. E. E. Hewitt. 2,081,453; May 25.
Brake valve device. C. D. Stewart. 2,081,464; May 25.
Brake with brake coupling, Free-wheel coaster. F. Winkler. 2,081,568; May 25.
Braking apparatus, Fluid pressure. J. Wright and H. Trevaskis. 2,081,443; May 25.
Braking mechanism for automobiles. F. L. Shelor. 2,081,254; May 25.
Braun tube. M. von Ardenne. 2,081,344; May 25.
Brick veneering structure. H. J. Nachreiner. 2,081,380; May 25.
Brooder, Electric chicken. K. W. Du Bois. 2,081,395; May 25.
Building structure. J. S. Nagel. 2,081,499; May 25.
Bumper construction. H. S. Jandus and B. M. Short. 2,081,586; May 25.
Burner and combustion control apparatus, Gas. B. D. Balthis. 2,081,657; May 25.
Burner plate for stove ovens. W. F. Rogers. 2,081,560; May 25.
Button. J. W. Abell. 2,081,259; May 25.
Button. H. H. Knott. 2,081,485; May 25.
Cabinet. C. F. Gerhardt. 2,081,328; May 25.
Cabinet, Filing. L. A. Vanderhoof. 2,081,470; May 25.
Cabinet, Refrigerator. E. W. Bottum. 2,081,788; May 25.
Cable, Electric communication. N. V. Firth and A. G. Hall. 2,081,427; May 25.
Cable, High tension electric. L. Emanueli. 2,081,880; May 25.
Cable manufacture. G. Zapf. 2,081,691; May 25.
Cable, Oil insulated. B. S. F. Ell. 2,081,803; May 25.
Cable splicing device. P. A. Schmuck. 2,081,773; May 25.
Cable system, Electric. C. E. Bennett. 2,081,263; May 25.
Calculating and bookkeeping machine. K. Gelpke. 2,081,624; May 25.
Calculating machine. E. Racz. 2,081,836; May 25.
Cam follower. G. J. Trapp. 2,081,390–1; May 25.
Camera dolly, Fluid pressure operated. F. N. Murphy. 2,081,248; May 25.
Camp chair. A. S. Long. 2,081,181; May 25.
Cap, Bearing. G. G. Greulich. 2,081,811; May 25.
Cap structure, Closure. L. T. Butman. 2,081,614; May 25.
Caps, Making closure. E. M. Enkur. 2,081,804; May 25.

Carbon bisulphide, Production of. B. M. Carter. 2,081,576; May 25.
Carbonyl compounds, Producing aliphatic. H. Prückner. 2,081,506; May 25.
Carburetor. P. X. A. Gisiucci and J. Lichtenstein. 2,081,741; May 25.
Carburetor. K. G. Hall. 2,081,482; May 25.
Carton. H. R. C. Anthony. 2,081,656; May 25.
Carton. J. C. Benschoter. 2,081,419; May 25.
Carton. A. E. Bueschel. 2,081,574; May 25.
Carton. F. L. Fox. 2,081,664; May 25.
Carton and blank for forming the same. H. Kondolf. 2,081,707; May 25.
Case: *See*—
Egg case.
Caster brake. B. McIntosh. 2,081,594; May 25.
Catalyst and making same. H. B. Foster. 2,081,272; May 25.
Cathode, Emissive. D. V. Edwards and E. K. Smith. 2,081,864; May 25.
Cellulosic product, Bleached. J. Campbell and L. O. Rolleston. 2,081,267; May 25.
Cellulosic spinning solutions and soft-luster products thereof, Preparing. T. H. Byron and R. S. Bley. 2,081,847–9; May 25.
Cement mixer. W. C. and C. P. Hall. 2,081,881; May 25.
Center latch elevator. C. A. Lundeen. 2,081,591; May 25.
Centrifugal apparatus. E. Roberts. 2,081,840; May 25.
Centrifugal clutch. R. R. Glen. 2,081,743; May 25.
Ceramic furnace. E. J. Dusseris. 2,081,476; May 25.
Chair: *See*—
Adjustable chair. Camp chair.
Chair. I. R. Bromagem. 2,081,791; May 25.
Change-speed mechanism, Progressive and automatic. J. Viscasillas. 2,081,373; May 25.
Check handling apparatus. C. J. Breitenstein and D. E. Hooker. 2,081,193; May 25.
Cheese manufacture. F. H. v. u. z. Guttenberg and H. Firgau. 2,081,273; May 25.
Chemical reactions, Process and apparatus for conducting. S. C. Carney. 2,081,322; May 25.
Circuit breaker, Centrifugal. F. Schaum. 2,081,604; May 25.
Circuit controller, Electric. R. W. Ross and S. H. Seberhagen. 2,081,184; May 25.
Circuit, Detector. G. Jobst and W. Wehnert. 2,081,705; May 25.
Circuit interrupter, Electric. E. B. Merriam. 2,081,830; May 25.
Circuits, Electric control. R. Tröger. 2,081,780; May 25.
Clamp. V. Di Figlia. 2,081,797; May 25.
Cleaning and polishing machine, Fruit and vegetable. H. C. Lisle and J. W. Morse. 2,081,489; May 25.
Cleaning and renovating apparatus. S. Straus. 2,081,685; May 25.
Clock. P. R. Ayres. 2,081,289; May 25.
Closure. E. F. Andersen and E. E. Hogg. 2,081,138; May 25.
Closure. A. Hall, W. T. Young, and T. E. Slattery. 2,081,585; May 25.
Closure for bottles. G. A. Nuss. 2,081,833; May 25.
Closure, Tank. H. C. Steele. 2,081,717; May 25.
Clutch: *See*—
Centrifugal clutch. Self-releasing clutch.
Clutch. R. Schweich. 2,081,561; May 25.
Clutch and control mechanism therefor. J. W. Racklyeft. 2,081,838; May 25.
Clutch control. O. K. Kelley. 2,081,238; May 25.
Clutch control mechanism. C. H. Wolcott. 2,081,569; May 25.
Clutch mechanism. H. T. Lambert. 2,081,824; May 25.
Coaster-brake and brake-applying device. F. Winkler. 2,081,567; May 25.
Coaster hub, Freewheel. F. Winkler. 2,081,566; May 25.
Cock interlock device, Trip. C. D. Stewart and E. E. Hewitt. 2,081,465; May 25.
Collar, Shirt. F. Di Iuglio. 2,081,136; May 25.
Collar support. A. O. Long. 2,081,242; May 25.
Collar support. B. R. Theobald. 2,081,688; May 25.
Coloring matters. C. Child and H. A. Thomas. 2,081,736; May 25.
Compensator for variations of plate currents. A. J. Rohner. 2,081,713; May 25.
Composition of matter and method for producing. E. R. Littmann. 2,081,753; May 25.
Compression valve. L. W. Diamond. 2,081,616; May 25.
Concrete, Manufacture of light. K. I. A. Eklund. 2,081,802; May 25.
Concrete pipe joint. B. J. Ukropina. 2,081,313; May 25.
Condensation product of castor oil with half ester of maleic acid. H. A. Bruson. 2,081,266; May 25.
Conduit, Floor. R. A. Goeller. 2,081,197; May 25.
Confection coating machine. W. T. Birdsall. 2,081,888; May 25.
Connecter: *See*—
Battery terminal connecter.
Connection, Piston and rod. C. Kritzler and C. Raggenbass. 2,081,749; May 25.
Constant level apparatus. M. Weber. 2,081,315; May 25.
Container: *See*—
Wrapped container.
Container and closure and toothed article therefor, General. M. Simsinovici. 2,081,509; May 25.
Container closure and making same. C. E. McManus. 2,081,246; May 25.
Containers with semifluid material, Device for filling. P. F. Stockard. 2,081,607; May 25.
Control mechanism for hoisting machines. D. A. Natot. 2,081,709; May 25.
Control mechanism for radio sets, Selective. R. L. Galinat. 2,081,295; May 25.
Controlling apparatus. C. B. Kidney. 2,081,542; May 25.
Conveying apparatus. C. H. Quick. 2,081,504; May 25.
Cooker and sterilizer, Continuous pressure. H. E. Brett. 2,081,446; May 25.
Cooky blank forming roll. S. M. Abbott. 2,081,724; May 25.
Cooler: *See*—
Bottle cooler.
Cooling system of internal combustion engines. K. Kato. 2,081,484; May 25.
Cord holder. E. R. Creamer. 2,081,291; May 25.
Cord or cable, Electric. O. A. McNamee. 2,081,634; May 25.
Core drill head. J. H. Howard and A. C. Catland. 2,081,201; May 25.
Core pump. A. C. Catland. 2,081,194; May 25.
Core recovering tool. A. C. Catland and J. H. Howard. 2,081,195; May 25.
Corn cutter. C. D. Marshall. 2,081,361; May 25.
Corn detasseling machine. P. Seeber. 2,081,681; May 25.
Corn pad and the like. W. M. Scholl. 2,081,715; May 25.
Corner, Round. O. R. Owens. 2,081,638; May 25.
Couch, Duo-bed. E. S. Hall and M. A. Elliotte. 2,081,374; May 25.
Counterbalancing device. R. R. Bloss and R. C. Pfeil. 2,081,140–1; May 25.
Coupler, Brake rod. N. G. A. Malmquist. 2,081,672; May 25.
Coupling: *See*—
Hose coupling.
Coupling. H. Baade. 2,081,571; May 25.
Cover and hub cap support, Tire. A. P. Fergueson. 2,081,582; May 25.
Craft, Surface high speed. G. C. E. Hampden. 2,081,868; May 25.
Crate or lug. A. L. Kiff. 2,081,821; May 25.
Cream separator. A. J. McDougall. 2,081,402; May 25.
Culvert. J. Kahn and W. F. Schulz. 2,081,872; May 25.
Cup dispenser. S. N. Hope. 2,081,177; May 25.
Current-responsive apparatus, High-voltage. W. K. Rankin. 2,081,839; May 25.
Cut-out, Electric. B. R. Hermann. 2,081,813; May 25.
Cut-out, Fuse. B. R. Hermann. 2,081,814; May 25.
Cut-out, Fuse. G. F. Lincks. 2,081,826; May 25.
Cutter: *See*—
Corn cutter.
Damper bearing unit. H. Rosenberg. 2,081,307; May 25.
Decorations or ceramic objects, Production of precious metal. A. Hefter. 2,081,234; May 25.
Decorative artificial product. F. J. Hoarle. 2,081,538; May 25.
Deep well pump, Fluid operated. C. J. Coberly. 2,081,223; May 25.
Deleting system. R. M. Hicks and C. S. Whitney. 2,081,377; May 25.
Denture. E. G. Touceda. 2,081,392; May 25.
Depilatory. A. B. Pacini. 2,081,279; May 25.
Device for preventing ballooning in spinning. J. C. A. Vicq. 2,081,416; May 25.
Diamond wheel dresser. F. F. Gilmore. 2,081,809; May 25.
Differential mechanism. R. L. Szweda. 2,081,563; May 25.
Digger, Power lift and power driven potato. H. E. Altgelt. 2,081,346; May 25.
Direction signal. N. Eskilson and O. Brander. 2,081,805; May 25.
Discharge tube. B. Krol. 2,081,708; May 25.
Discharge tube, Electric. J. G. W. Mulder. 2,081,247; May 25.
Disinfecting means for toilets. S. Pryba. 2,081,249; May 25.
Disk construction for radial flow machines. U. Meininghaus. 2,081,148; May 25.
Disk construction for radial flow machines. U. Meininghaus. 2,081,150; May 25.
Dispenser: *See*—
Beverage dispenser. Liquid dispenser.
Cup dispenser.
Dispenser for folded sheets. N. Tuszynski. 2,081,564; May 25.
Dispensing apparatus. W. T. McGinnis. 2,081,362; May 25.
Dispensing device. R. S. Parks. 2,081,834; May 25.
Display, direction, or guide apparatus. F. Blasquez and A. Ordorica. 2,081,786; May 25.
Distillation unit. J. S. Wallis and J. C. Mahoney. 2,081,440; May 25.
Distributing device. P. Serre. 2,081,253; May 25.
Distributing valve. K. R. Smart. 2,081,510; May 25.
Distribution system. J. W. McNairy. 2,081,829; May 25.
Doctor blade for rolls, traveling webs, and the like. J. R. Burgess. 2,081,320; May 25.

Door arrangement for vehicles. A. Hulley. 2,081,815; May 25.
Door mechanism, Revolving. J. W. Shields. 2,081,774; May 25.
Dotting device, Mechanical. B. L. Simmons. 2,081,439; May 25.
Drier. A. Minich. 2,081,407; May 25.
Drive for automobiles, Freewheel. T. L. Fawick. 2,081,581; May 25.
Driving mechanism for railway car generators. O. L. Lewis and J. P. Wright. 2,081,336; May 25.
Dry-rectifiers and blocking layer-photocell plates, Producing. E. Rupp. 2,081,771; May 25.
Dyes for coloring cellulose esters, Monoazo. G. Matzdorf and E. Baumann. 2,081,244; May 25.
Dyestuffs, Anthraquinone. F. Lodge. 2,081,755; May 25.
Dyestuffs capable of being chromed, anthraquinone. G. Kränzlein, H. Schlichenmaier and T. Meissner. 2,081,359; May 25.
Dyestuffs of the anthraquinone series. W. H. Lycan. 2,081,874; May 25.
Dyestuffs of the anthraquinone series, Acid. F. Lodge and C. H. Lumsden. 2,081,756; May 25.
Earth-boring apparatus. D. M. Hollingsworth. 2,081,200; May 25.
Edible product. F. Visser't Hooft and F. J. G. de Leeuw. 2,081,343; May 25.
Efflorescence on the surface of colored roofing granules, Preventing. P. Teetor. 2,081,609; May 25.
Egg case, Collapsible. C. McKim. 2,081,493; May 25.
Elastic attaching device. A. Solosko. 2,081,683; May 25.
Electric steam boiler. T. J. Parker. 2,081,206; May 25.
Electric switch, Explosion pot. C. C. Garrard. 2,081,535; May 25.
Electrical conductor. E. D. Bent and W. H. Eastlake. 2,081,420; May 25.
Electrical impedances, Device for the measuring and comparing of. J. M. Unk. 2,081,690; May 25.
Electrode adapted to be in contact with mercury. J. F. G. P. Hartmann. 2,081,376; May 25.
Electrolytic process and apparatus for the production of chromatic acid and caustic alkali. J. W. Boss. 2,081,787; May 25.
Electron discharge device. H. Rothe and W. Kleen. 2,081,714; May 25.
Electron emitter. E. A. Venzie. 2,081,415; May 25.
Electron tubes and operating the same. W. Gaede. 2,081,429; May 25.
Electroprocessing machine. C. G. Miller. 2,081,551; May 25.
Elevator: *See*—
Center latch elevator.
Elevator. T. N. Hudspeth. 2,081,301; May 25.
Engine: *See*—
Gas engine. Rotary engine.
Internal combustion engine.
Engine frame. H. Köhler. 2,081,543; May 25.
Engine stabilizer. B. H. Anibal. 2,081,213; May 25.
Engine starting mechanism. R. M. Nardone. 2,081,760–1; May 25.
Explosives, Method of and apparatus for firing. D. M. McFarland. 2,081,633; May 25.
Extractor: *See*—
Fruit juice extractor.
Extraction process. D. R. Merrill. 2,081,497; May 25.
Extraction process. W. J. D. van Dijck. 2,081,720; May 25.
Eyeglasses. H. Stolper. 2,081,608; May 25.
Fabric: *See*—
Stocking toe fabric.
Fabric. H. A. Secrist. 2,081,370; May 25.
Fabrics and their manufacture, Composite. W. W. Rowe. 2,081,308; May 25.
Face milling, Method of and apparatus for. R. S. Perry and A. Oberhoffken. 2,081,639; May 25.
Fastener: *See*—
Hat fastener. Slide fastener.
Sheet metal fastener. Snap fastener.
Fastener for sanitary napkins and the like. L. Stark. 2,081,410; May 25.
Fastener secured installation. W. I. Jones. 2,081,871; May 25.
Fastening means, Resilient. W. I. Jones. 2,081,870; May 25.
Feed for printing machines, Automatic. A. G. Baker. 2,081,523; May 25.
Feeding device for shingle cutters. J. W. Pearl. 2,081,280; May 25.
Feeding or delivery apparatus, Automatic. H. Willshaw and T. Norcross. 2,081,441; May 25.
Fender, Automobile wheel. R. S. Grimshaw. 2,081,231; May 25.
Fertilizer, Preparation of. W. H. Kniskern and C. K. Lawrence. 2,081,401; May 25.
Fibrous articles, Method and apparatus for making. R. A. Farnham. 2,081,740; May 25.
File, Visible card. F. E. Shallor. 2,081,841; May 25.
Filling machine. E. W. Bleam. 2,081,526; May 25.
Filling machine. A. E. Hughes. 2,081,669; May 25.
Film containing derivatives of cellulose, Artificial. G. Schneider. 2,081,155; May 25.
Filter: *See*—
Band-pass filter. Wave filter.
Filter. H. L. Dick. 2,081,353; May 25.
Filter. O. W. Hahn. 2,081,198; May 25.
Filter system, Operating a continuous. R. N. Giles. 2,081,397–8; May 25.
Filtration, Method and apparatus for continuous. E. W. Gard. 2,081,296; May 25.
Finish for fabric for textile industry. J. J. McCann, Jr. 2,081,461; May 25.
Firearm. N. S. Hillyard. 2,081,235; May 25.
Fire extinguisher. H. W. Doughty. 2,081,325; May 25.
Fishhook holder. A. Johnson. 2,081,817; May 25.
Fish lure. W. J. Lauer. 2,081,671; May 25.
Flocculation. G. M. Darby, E. J. Roberts, and W. C. Weber. 2,081,850–2; May 25.
Flowerpot, Combination. R. H. Lockyer. 2,081,337; May 25.
Fluid brake. E. G. Carroll. 2,081,575; May 25.
Fluid pressure brake. C. C. Farmer. 2,081,700; May 25.
Fluid pressure brake. C. C. Farmer and D. L. McNeal. 2,081,699; May 25.
Fluid pressure brake. E. E. Hewitt. 2,081,452; May 25.
Fluid pressure equalizing arrangement. J. H. Doran. 2,081,799; May 25.
Flush tank. S. Horvath. 2,081,539; May 25.
Flying machine. C. Dornier. 2,081,137; May 25.
Flying machine. G. F. Myers. 2,081,151; May 25.
Folder and fastener. H. U. Doebler. 2,081,854; May 25.
Food substances, Preparing. W. A. Smith. 2,081,512; May 25.
Foot treatment pad and its manufacture. W. M. Scholl. 2,081,716; May 25.
Fracture pin. C. D. Davis. 2,081,293; May 25.
Frame: *See*—
Engine frame. Picture frame.
Frequency converter. A. M. Rossman. 2,081,369; May 25.
Fruit juice extractor. C. Daum. 2,081,424; May 25.
Fruit sauces, Method of and apparatus for refining. W. A. Smith. 2,081,513; May 25.
Fuel against gum formation, Stabilizing motor. R. E. Burk. 2,081,218; May 25.
Fuel control apparatus. H. A. Dreffein. 2,081,170; May 25.
Fuel injection system for internal combustion engines. B. Walker and H. E. Kennedy. 2,081,188; May 25.
Furnace: *See*—
Ceramic furnace.
Furnace. J. O. Betterton and M. F. Perkins. 2,081,421; May 25.
Furnace wall construction. P. W. Antill. 2,081,417; May 25.
Fuse plug. B. F. Muldoon. 2,081,675; May 25.
Fuse switch. C. A. Fox. 2,081,623; May 25.
Galvanometer. H. J. Hasbrouck, Jr. 2,081,233; May 25.
Game apparatus. W. A. Troth. 2,081,255; May 25.
Game apparatus. R. C. Warner. 2,081,520; May 25.
Garment, Child's. D. J. Buffington. 2,081,290; May 25.
Garment construction. G. L. Fields. 2,081,426; May 25.
Garment rack. G. Peterson and R. A. Magnuson. 2,081,763; May 25.
Gas engine. A. F. Beals and E. E. Pudge. 2,081,139; May 25.
Gases, Distribution of fuel. H. V. Atwell. 2,081,130; May 25.
Gases, Method and device for the electrical purification of. E. C. Saint-Jacques. 2,081,772; May 25.
Gaseous mixtures, Concentrating and separating the components of. E. Mazza. 2,081,406; May 25.
Gaseous or vaporous medium, Method and apparatus for direct compression of. U. Meininghaus. 2,081,149; May 25.
Gasoline, Improving. V. Ipatieff. 2,081,357; May 25.
Gear: *See*—
Anti-rattling gear. Poppet valve gear.
Gear shifting mechanism. R. P. Breese. 2,081,527; May 25.
Gem. E. Haltom. 2,081,483; May 25.
Generator: *See*—
Magneto-electric generator. Steam generator.
Generator regulator. W. J. Rady. 2,081,837; May 25.
Gilling machine and drawing machine for the treatment of fibrous material. J. Hughes. 2,081,433; May 25.
Glass articles, Method of and apparatus for forming hollow. G. E. Howard. 2,081,857; May 25.
Glass forming machine. T. C. Moorshead. 2,081,895; May 25.
Glassware, Apparatus for forming. K. E. Peiler and A. J. Smith. 2,081,859; May 25.
Glassware, Apparatus for forming hollow. G. E. Howard. 2,081,858; May 25.
Gluing mechanism. M. J. Milmoe. 2,081,758; May 25.
Golf putting device. O. Smith. 2,081,511; May 25.
Governor. W. E. Leibing and R. D. Fageol. 2,081,825; May 25.
Governor, Speed. T. Tarisien. 2,081,466; May 25.
Granulator. W. M. Ryan and J. W. Bold. 2,081,283; May 25.

Grate for half-tank icing, Auxiliary. C. W. Hiles. 2,081,332; May 25.
Grease intercepter. E. W. N. Boosey. 2,081,215; May 25.
Grinding wheel and making the same. D. E. Webster. 2,081,843; May 25.
Guard, Head. D. Levinson. 2,081,335; May 25.
Hair drying apparatus. L. J. Wahl. 2,081,565; May 25.
Hanger making machine, Garment, L. Brownstein. 2,081,167; May 25.
Hat fastener. E. M. Wilson. 2,081,317; May 25.
Head for paper containers and making the same, Flanged. G. A. Moore. 2,081,759; May 25.
Heat exchanger. C. F. Rosenblad. 2,081,678; May 25.
Heat exchangers, Manufacturing. J. Karmazin. 2,081,303; May 25.
Heat to waste heat boiler plants, Method and apparatus for supplying additional. F. Falla. 2,081,697; May 25.
Heater: *See*—
Liquid conductor heater. Milk heater.
Heating system, Auto. E. Cornell, Jr. 2,081,696; May 25.
Heating system, Hot water. R. E. Moore. 2,081,831; May 25.
Heel construction. H. van Mourik. 2,081,610; May 25.
High frequency apparatus. H. S. Polin. 2,081,711; May 25.
High pressure pump. C. J. Coberly and C. F. Hanson. 2,081,221; May 25.
Holder: *See*—
Blade holder. Milk bottle holder.
Cord holder. Paint brush holder.
Fishhook holder.
Holder for toilet articles. J. H. Johnson. 2,081,818; May 25.
Holding device. H. H. Holly. 2,081,455; May 25.
Hopper, Incinerator. H. E. Nicol. 2,081,554; May 25.
Hose coupling. R. H. Stone. 2,081,156; May 25.
Hub assembly, Motor rotor. R. A. Sandberg. 2,081,603; May 25.
Huller and feeder, Combination. J. A. Streun. 2,081,412; May 25.
Hydrocarbon in noncaking powdered form, Chlorinated. W. S. Hinegardner. 2,081,236; May 25.
Hydrocarbons, Dewaxing liquid. H. O. Lindgren. 2,081,403; May 25.
Ignition apparatus. E. B. Nowosielski. 2,081,500–3; May 25.
Illuminating device. J. A. Germonprez. 2,081,703; May 25.
Images on paper and diapositives (cinematographic films), Production of natural colored. R. Gschöpf and K. Pokorny. 2,081,481; May 25.
Incandescent electric lamp. W. Dunkel. 2,081,801; May 25.
Indicating device. R. H. Richter. 2,081,767; May 25.
Indurating composition for concrete. E. W. Scripture, Jr. 2,081,642–3; May 25.
Indicator: *See*—
Weight and line indicator.
Insulated electrical conductor. R. A. Schatzel. 2,081,384; May 25.
Insulator. J. Morgenstern and J. Brasty. 2,081,832; May 25.
Insulator having high surface resistance and making it. W. W. Shaver. 2,081,508; May 25.
Intermitter, Fluid actuated. E. J. Kloppenstein. 2,081,239; May 25.
Internal combustion engine. J. A. Anglada, A. H. Asprooth, and C. L. Christensen. 2,081,260; May 25.
Jar closure. J. R. Spahn. 2,081,340; May 25.
Jars, Continuously closing and sealing vacuum. M. C. Regan. 2,081,208; May 25.
Joint: *See*—
Concrete pipe joint. Universal joint.
Joint for railroad crossings. A. E. Brown. 2,081,352; May 25.
Journal bearing. A. Vigne. 2,081,314; May 25.
Kitchen utility device. S. Minors. 2,081,636; May 25.
Knife-blade for meat cutters or the like. F. Gabriel. 2,081,807; May 25.
Knife, Utility. D. Frisolf. 2,081,702; May 25.
Knitting machine. W. A. Ingalls. 2,081,816; May 25.
Lamp: *See*—
Incandescent electric lamp
Lamp synchronizing device, Flash. E. M. Watson. 2,081,783; May 25.
Last protector. W. H. Bain. 2,081,879; May 25.
Lasting machine. J. H. Reed. 2,081,207; May 25.
Latex concentrate. A. E. Petersen. 2,081,556; May 25.
Lathe. F. T. Potter. 2,081,641; May 25.
Leverage changing mechanism for vehicle brakes. A. G. H. Caribom. 2,081,660; May 25.
License plate casing and illuminator. I. Raffelson. 2,081,281; May 25.
Ligature package. E. Themak. 2,081,389; May 25.
Lighter construction for gas ranges, Automatic. L. S. Kauffman. 2,081,819; May 25.
Lighting and signal system, Automobile. J. C. Ford. 2,081,892; May 25.
Lighting fixture. A. P. Ebrite. 2,081,326; May 25.
Linings, Method and apparatus for manufacturing friction. D. W. Fether. 2,081,620; May 25.
Liquid, Apparatus for regulating the level of. L. S. Chalatow. 2,081,891; May 25.
Liquid conductor heater. M. W. Hanks. 2,081,537; May 25.
Liquid dispenser. W. Tamminga and O. Bonami. 2,081,159; May 25.
Liquid dispenser, Sanitary. W. Tamminga, O. Bonomi, and R. E. Corradini. 2,081,651; May 25.
Liquid dispenser, Sanitary. W. Tamminga, O. Bonomi, R. E. Corradini, and H. M. Jones. 2,081,650; May 25.
Liquid operated pump. C. J. Coberly. 2,081,220; May 25.
Liquid storage tank. H. E. Rue and R. N. Bostock. 2,081,339; May 25.
Liquid surfaces, Apparatus for obtaining exposed. H. E. Byer. 2,081,615; May 25.
Liquids, Apparatus for pasteurizing. B. W. Macy. 2,081,243; May 25.
Liquids, Apparatus for purifying. S. de Echagaray. 2,081,794; May 25.
Liquids from containers, Means for use in drawing off. F. J. T. Barnes. 2,081,132; May 25.
Liquids from containers, Means for use with drawing-off. F. J. T. Barnes. 2,081,131; May 25.
Listing adding machine. L. P. Crosman. 2,081,423; May 25.
Load control apparatus for hydraulic type testing machines. O. S. Peters. 2,081,599; May 25.
Lock: *See*—
Bicycle lock.
Locomotive gear transmission. H. C. Behrens. 2,081,846; May 25.
Locomotive tender. F. Hogg. 2,081,399; May 25.
Loom shuttle. C. D. Brown. 2,081,393; May 25.
Loom shuttle. W. A. Tebo. 2,081,387; May 25.
Low frequencies, Method and apparatus for eliminating. L. W. Blau. 2,081,350; May 25.
Lubricating apparatus. F. S. Barks and V. G. Klein. 2,081,163; May 25.
Lubrication system, Crankshaft. W. E. Swenson. 2,081,157; May 25.
Machine for producing ringless full-fashioned hosiery. W. M. Grosse. 2,081,430; May 25.
Machine for waxing paper. L. L. Dodge. 2,081,324; May 25.
Machine tool. K. F. Gallimore and G. H. Schurger. 2,081,145; May 25.
Magnetic separator. L. V. Andrews and H. F. Walton. 2,081,445; May 25.
Magnetic shoe brake. J. W. Logan, Jr. 2,081,459; May 25.
Magneto-electric generator. L. S. Dunham and A. F. Robertson. 2,081,800; May 25.
Manometer calibrating means. W. Melas. 2,081,596; May 25.
Marker, Highway traffic. J. Kahn. 2,081,358; May 25.
Mask, Face. R. S. Titus. 2,081,779; May 25.
Material and its manufacture, Artificial. H. Dreyfus. 2,081,144; May 25.
Material and process, Casting investment. C. H. Prange. 2,081,558; May 25.
Materials, Device for measuring and dispensing flowing. S. J. Krivig. 2,081,544; May 25.
Materials, Manufacture of artificial. W. A. Dickie and P. F. C. Sowter. 2,081,169; May 25.
Materials, Manufacture of artificial. H. Dreyfus. 2,081,171–2; May 25.
Materials, Manufacture or treatment of artificial. H. Dreyfus. 2,081,173; May 25.
Measuring apparatus. E. J. Bisel. 2,081,133; May 25.
Measuring system. W. Melas. 2,081,364; May 25.
Mechanical forces, Measuring. W. Janovsky. 2,081,748; May 25.
Metal, Method and material for coating. R. R. Tanner. 2,081,160; May 25.
Meter: *See*—
Sensitivity meter.
Meter and timing means. E. H. Thompson. 2,081,311; May 25.
Meter box. W. A. Heinrich. 2,081,627; May 25.
Metering system. R. N. Stoddard. 2,081,684; May 25.
Microphone plug. E. M. Foster. 2,081,622; May 25.
Mileage indicator for vehicles. G. Carlson. 2,081,321; May 25.
Milk bottle holder. W. H. Crossley. 2,081,292; May 25.
Milk heater. C. H. Hapgood. 2,081,432; May 25.
Milling machine. P. P-G. Hall. 2,081,275; May 25.
Mixer: *See*—
Cement mixer.
Mixing apparatus. E. G. Myers. 2,081,552; May 25.
Mold: *See*—
Waffle mold. Sectional mold.
Mop. J. Glover. 2,081,230; May 25.
Mop head. R. Maeda. 2,081,631; May 25.
Motor: *See*—
Adjustable shaft motor. Synchronous motor.
Motor and generator device, Piezoelectric. A. L. W. Williams. 2,081,862; May 25.
Mounting for door handles. W. A. Carmichael and F. H. Hart. 2,081,447; May 25.
Mounting, Muffler. E. S. MacPherson. 2,081,546; May 25.
Muffler. C. F. Rauen. 2,081,306; May 25.
Musical instrument, Harp-like polyphone polychord. E. Tsamourtzi. 2,081,516; May 25.

Narrowing mechanism. R. Schletter. 2,081,185; May 25.
Necktie. A. Sorkind. 2,081,606; May 25.
Neckwear. C. A. Whiting. 2,081,653; May 25.
Needle. R. Trejo. 2,081,515; May 25.
Net, Trawl. W. C. Herrington. 2,081,146; May 25.
News and advertisement exhibiting. C. W. Brenn. 2,081,264–5; May 25.
Notebook. V. E. Larsen. 2,081,873; May 25.
Notebook. W. C. Ross. 2,081,875; May 25.
Nozzle, Bottle. P. Berman. 2,081,525; May 25.
Nozzle, Bottle spray. J. M. Dinneen. 2,081,798; May 25.
Objects such as golf balls, Apparatus for painting or similarly treating. H. Willshaw, S. N. Goodhall, and W. A. Cowles. 2,081,442; May 25.
Oil composition. B. W. Story and E. W. Fuller. 2,081,886; May 25.
Oil, Dewaxing. B. G. Aldridge. 2,081,287; May 25.
Oil, Dewaxing. R. J. Garofalo and C. E. Swift. 2,081,297; May 25.
Oil from wax cakes, Process and apparatus for separating. B. Hopper. 2,081,300; May 25.
Oil, Fuel. A. P. Hewlett and C. H. Cole. 2,081,176; May 25.
Oil, Heavy. W. H. Carmody. 2,081,448; May 25.
Oil, Lowering pour point of. M. L. Wade. 2,081,518; May 25.
Oil, Producing lubricating. U. B. Bray. 2,081,731; May 25.
Oil, Production of lubricating. D. R. Merrill. 2,081,494; May 25.
Oil purifier. W. C. McBain. 2,081,632; May 25.
Oil supply regulator. H. D. Harper. 2,081,330; May 25.
Oil yields, Increasing lubricating. F. G. Fellows. 2,081,855; May 25.
Oils, Conversion of hydrocarbon. C. H. Angell. 2,081,347–8; May 25.
Oils, Conversion of hydrocarbon. K. Swartwood. 2,081,342; May 25.
Oils, Cracking mineral. C. B. Forward. 2,081,534; May 25.
Oils, Deasphalting and dewaxing petroleum. C. Ellis. 2,081,174; May 25.
Oils, Dewaxing. U. B. Bray and D. E. Carr. 2,081,732; May 25.
Oils, Solvent extraction of lubricating. D. R. Merrill. 2,081,495; May 25.
Oils, Treating. U. B. Bray. 2,081,734; May 25.
Oils, Treating. U. B. Bray and C. E. Swift. 2,081,473; May 25.
Oils, Treating. W. A. Schulze. 2,081,309; May 25.
Oils with basic selective solvents, Extracting mineral. D. R. Merrill. 2,081,498; May 25.
Operating mechanism for window regulators and door latches. H. W. Rightmyer. 2,081,251; May 25.
Ore, Apparatus for treating. E. L. Knapp and S. J. Leask. 2,081,240; May 25.
Ore separation or concentration, Apparatus for. S. Malke and E. A. Kjellgren. 2,081,182; May 25.
Packing rings, Making. A. W. Wenzel. 2,081,258; May 25.
Packing rings, Manufacturing. A. W. Wenzel. 2,081,257; May 25.
Paint brush holder. J. E. Akergren. 2,081,570; May 25.
Paint spray masking device for automobile wheel and tire assemblies. E. V. Gunn. 2,081,666; May 25.
Painting and the like, Apparatus for spray. A. C. H. Glaze. 2,081,742; May 25.
Paper making apparatus. C. W. Howard. 2,081,456; May 25.
Pattern mechanism. E. Nufer. 2,081,637; May 25.
Pedestal structure. H. J. Rubenstein. 2,081,602; May 25.
Pencil attachment. F. G. Hosselet. 2,081,540; May 25.
Pencil, Eyebrow. J. J. Woessner. 2,081,286; May 25.
Perforator. C. A. Meisel. 2,081,363; May 25.
Petroleum fractions, Solvent extraction of. C. D. Barnes. 2,081,524; May 25.
Petroleum plastics, Preparing. D. R. Merrill. 2,081,496; May 25.
Pharmaceutical preparation and preparing the same, Local anaesthetically active. C. Rohmann. 2,081,712; May 25.
Phase modulation. M. G. Crosby. 2,081,577; May 25.
Photoaddressing system. R. Stuart. 2,081,187; May 25.
Photoprint machine. C. C. Gordon, Jr. 2,081,329; May 25.
Piano, Upright. H. R. Heller. 2,081,704; May 25.
Picture frame. J. T. Weinzierl. 2,081,722; May 25.
Pictures, Apparatus for taking and distorting moving. L. B. Hill. 2,081,299; May 25.
Pin: *See*—
Fracture pin.
Pipe: *See*—
Smoking pipe.
Pipe flushing system. T. Nighor. 2,081,204; May 25.
Pipe wrench. N. Rector. 2,081,383; May 25.
Pistol. E. S. Pomeroy. 2,081,438; May 25.
Pivot for indicating instruments. F. C. Kelley. 2,081,820; May 25.
Plane, Speed. J. V. Martin. 2,081,436; May 25.
Plant protector. S. N. Slade, Sr. 2,081,775; May 25.
Planter and fertilizer distributor, Combination. J. C. Weems. 2,081,784; May 25.
Plate support for plate and frame presses. A. V. Rhodes. 2,081,183; May 25.
Plug: *See*—
Fuse plug. Microphone plug.
Popper, Corn. A. M. Lendrum and J. N. Orebaugh. 2,081,751; May 25.
Poppet valve gear, Cam actuated. H. Lentz. 2,081,458; May 25.
Porosity machine and method, Compound-intrusive. F. J. Chandler. 2,081,219; May 25.
Positive and negative loads, Process and apparatus for applying alternating. W. Marx. 2,081,404; May 25.
Postage stamping machine. W. Friedrichs. 2,081,806; May 25.
Pots, Method and apparatus for handling and emptying glass melting. H. E. Robinson and F. C. Eicher. 2,081,769; May 25.
Poultry killing device. W. J., W. A., A. C., E., and V. H. Fisher. 2,081,229; May 25.
Press: *See*—
Shoe tip press.
Pressure pump. C. J. Coberly and C. F. Hanson. 2,081,224; May 25.
Propeller blade. J. Squires. 2,081,647; May 25.
Propeller blades, Making. J. Squires. 2,081,646; May 25.
Propeller blades, Producing. J. Squires. 2,081,645; May 25.
Propeller for ships, Paddle wheel. F. Silberkrüb. 2,081,649; May 25.
Propeller, Rotary. J U Williams, Jr. 2,081,210; May 25.
Propeller shaft, Articulated. B. H. Anibal. 2,081,214; May 25.
Propeller shaft center bearing. V. Jantsch. 2,081,237; May 25.
Protector: *See*—
Last protector. Shirt front protector.
Plant protector.
Public address system and the like. A. N. Goldsmith. 2,081,625; May 25.
Pump: *See*—
Core pump. Liquid operated pump.
Deep well pump. Pressure pump.
High pressure pump.
Pump. F. Egersdörfer. 2,081,477; May 25.
Pump. D. N. Hapkins. 2,081,812; May 25.
Pumping means and inlet member therefor, Deep well. C. J. Coberly. 2,081,225; May 25.
Pumping system. R. S. Quick. 2,081,860; May 25.
Punch, Center. P. B. Botting, Sr. 2,081,217; May 25.
Quadding and centering device. H. R. Freund. 2,081,866; May 25.
Rack: *See*—
Garment rack. Rug display rack.
Radio circuit. H. Marsiske. 2,081,205; May 25.
Radio receiver. E. Devienne. 2,081,135; May 25.
Radio receiver. E. Klotz. 2,081,277; May 25.
Radio receiver and talking machine, Combined. A. A. Linsell. 2,081,752; May 25.
Rail slotter. A. W. Mall. 2,081,360; May 25.
Razor, Safety. F. Lehmann. 2,081,488; May 25.
Receptacle: *See*—
Safety receptacle.
Receptacle for vehicle bodies, Refuse. J. J. Punke. 2,081,550; May 25.
Reciprocating motion device. H. E. Delvin. 2,081,796; May 25.
Recording instrument. A. V. de Forest. 2,081,579; May 25.
Recording testing machine. O. S. Peters and G. S. von Heydekampf. 2,081,598; May 25.
Refrigerant compressor. W. D. Drysdale. 2,081,354; May 25.
Refrigerant expansion means, Reversible. J. R. Zwickl. 2,081,845; May 25.
Refrigerating apparatus. L. A. Philipp. 2,081,883; May 25.
Refrigeration apparatus. E. E. Grover. 2,081,480; May 25.
Refrigeration, Apparatus and method for controlling. E. J. Dillman. 2,081,853; May 25.
Refrigerator defrosting method and apparatus. F. B. Fink. 2,081,479; May 25.
Register, Counting. F. M. Ashley. 2,081,693; May 25.
Registering apparatus. G. W. McLean and B. A. Shur. 2,081,245; May 25.
Regulation for engine cooling means, Automatic. H. C. Nissen. 2,081,762; May 25.
Regulator: *See*—
Generator regulator. Oil supply regulator.
Remote control apparatus for electric tuning systems. A. A. Thomas. 2,081,686; May 25.
Remote inclinations, Effecting. F. R. Thompson. 2,081,413; May 25.
Resin and making the same, Artificial. I. Rosenblum. 2,081,154; May 25.
Resin, Synthetic. I. Rosenblum. 2,081,153; May 25.
Resistance body made from semi-conductive substances. W. Meyer and E. Weise. 2,081,894; May 25.
Retardation controller. C. C. Farmer. 2,081,663; May 25.
Retarding mechanism for photographic shutters. Á. Barényi. 2,081,727; May 25.
Road machine. C. A. Gustafson. 2,081,536; May 25.

Roasting apparatus. L. H. Backer, J. H. Keenan, and J. L. Kopf. 2,081,349; May 25.
Rock blade for bulldozers. G. S. Allin and T. P. Flynn. 2,081,192; May 25.
Rod: *See*—
Weld rod.
Roll attachment for paper box machines or the like. T. S. Fitchett. 2,081,583; May 25.
Roof and wall surface. L. Wright. 2,081,191; May 25.
Roofing tool. F. J. Caronia. 2,081,735; May 25.
Rosin composition and producing, Noncrystallizing. J. N. Borglin. 2,081,889; May 25.
Rosin, Refining. J. N. Borglin. 2,081,890; May 25.
Rotary engine. J. G. Edmundson and J. B. Taylor. 2,081,270; May 25.
Rotary face bit. F. E. Jarvis. 2,081,302; May 25.
Rubber and its application, Conducting. H. A. M. van Hoffen. 2,081,517; May 25.
Rubber articles, Manufacture of hollow. J. A. Talalay. 2,081,777; May 25.
Rubber goods and the treatment of other goods requiring heat and pressure, Process and apparatus for the vulcanization of. A. Johnston. 2,081,670; May 25.
Rubber, Preservation of. T. W. Bartram. 2,081,613; May 25.
Rug display rack. W. H. Bosserman. 2,081,216; May 25.
Safes or the like, Authorized access means for. R. L. McIlvaine. 2,081,757; May 25.
Safety device for hydraulic brakes, Automatic. H. G. Brown. 2,081,659; May 25.
Safety receptacle. M. O. Canner and A. Duff. 2,081,268; May 25.
Sandal. R. G. Hartman and S. G. White. 2,081,375; May 25.
Sandal, Orthopedic. L. B. Adams. 2,081,655; May 25.
Sash operating mechanism. E. W. Terhune. 2,081,388; May 25.
Saw sets, Hand. S. S. Ward. 2,081,782; May 25.
Scale depositions and removing such deposits from metallic surfaces, Preventing. B. S. de Mering. 2,081,168; May 25.
Scraping device. B. D. Kilcup. 2,081,706; May 25.
Screen: *See*—
Well screen.
Sealing rings, Closing. E. E. Shanor. 2,081,877; May 25.
Seat: *See*—
Valve seat.
Sectional mold. P. A. Moluf. 2,081,304; May 25.
Sediment evacuating implement. E. H. Nowak. 2,081,597; May 25.
Seeds, bulbs, and tubers, Treating. G. E. Heyl. 2,081,667; May 25.
Self-releasing clutch. C. Roux and L. E. Clémencet. 2,081,679; May 25.
Sensitivity meter. W. Dissler. 2,081,739; May 25.
Separator: *See*—
Cream separator. Magnetic separator.
Sewage aeration. W. M. Platt. 2,081,382; May 25.
Sewer flooding control apparatus. W. E. Hardacker. 2,081,298; May 25.
Sewing machine. W. A. Smith. 2,081,562; May 25.
Sewing machine, Wax thread. J. J. Sheehan and W. P. Egan. 2,081,371; May 25.
Sewing machines, Reenforcing thread applying means for. L. A. Cundall and O. E. Cheatham. 2,081,793; May 25.
Shaver, Dry. L. V. Adamson and H. H. Hoy. 2,081,129; May 25.
Shaver, Electric. J. Bruecker. 2,081,694; May 25.
Shaving implement. J. Muros. 2,081,366; May 25.
Shearing machine and comb therefor. H. C. Wright. 2,081,318; May 25.
Sheet feeding device for duplicators. F. W. Storck. 2,081,386; May 25.
Sheet metal fastener. H. E. Peterson. 2,081,305; May 25.
Shield and gripping device, Beverage bottle. F. M. Rush. 2,081,409; May 25.
Shingle. C. F. Martin. 2,081,491; May 25.
Shingles or shakes, Cutting. H. B. Lockhart. 2,081,754; May 25.
Shirt board. G. F. Hiss. 2,081,356; May 25.
Shirt form protector. S. Reich. 2,081,408; May 25.
Shoe and the manufacture thereof. O. C. Adams. 2,081,211; May 25.
Shoe pressing machine. M. C. Suerken. 2,081,648; May 25.
Shoe tip press. P. Ward. 2,081,781; May 25.
Shoes, Making. W. H. Bain. 2,081,887; May 25.
Shoes, Making. A. Cocozella. 2,081,226; May 25.
Shoes, Method of and machine for use in manufacturing. K. Engel. 2,081,228; May 25.
Shroud for use with oil burning equipment, Telescopic. J. McDonald. 2,081,710; May 25.
Shuttle box and binder. W. H. Bahan. 2,081,319; May 25.
Sidetracking apparatus. A. L. Eastham. 2,081,294; May 25.
Signal: *See*—
Direction signal.
Signal for electrically-operated clocks, Distress. W. P. Elliot. 2,081,450; May 25.
Signaling device. L. G. Handy. 2,081,744; May 25.
Size, Textile. H. Leupold. 2,081,180; May 25.
Sizing device. R. E. Conover. 2,081,738; May 25.
Slicing machine driving mechanism. W. A. van Berkel. 2,081,256; May 25.
Slide fastener. D. Dyresen. 2,081,396; May 25.
Slide fastener. J. Spielberger. 2,081,514; May 25.
Slide, Garment. W. B. Shaw. 2,081,385; May 25.
Slugs and extruding tubes, Method of and apparatus for forming. J. H. Fridén. 2,081,175; May 25.
Smoking pipe. J. C. Hogan. 2,081,378; May 25.
Snap fastener, Laundryproof. W. I. Jones. 2,081,400; May 25.
Soaps, Improving liquid potassium. F. Draisbach. 2,081,617; May 25.
Solids, Solidifying. H. Joosten. 2,081,541; May 25.
Solution for treating the surface of steel or iron for the application of paint. C. B. Cook. 2,081,449; May 25.
Solvent extraction process. W. J. D. van Dijck. 2,081,719; May 25.
Solvent extraction process. W. J. D. van Dijck and A. W. J. Mayer. 2,081,721; May 25.
Solvents from oil, Recovery of. E. N. Roberts. 2,081,884; May 25.
Sound producer. J. F. Ebert. 2,081,619; May 25.
Sound record material, Mechanism for selectively reproducing and automatically repeating. A. L. Runyan. 2,081,885; May 25.
Speed transmission, Variable. W. A. Duffield. 2,081,863; May 25.
Speedometer, Taffrail. R. H. Pierce and R. T. Fisher. 2,081,557; May 25.
Spoke and rim connection. C. W. Beck. 2,081,729; May 25.
Spool. G. D. Atwood. 2,081,418; May 25.
Spool, Yarn. E. F. Hathaway. 2,081,331; May 25.
Spring pressed device. E. E. Hewitt. 2,081,451; May 25.
Stand: *See*—
Tire changing stand.
Star decoration system. H. J. Lozier. 2,081,893; May 25.
Starch-degrading enzymes, Preparation of. W. Neugebauer. 2,081,676; May 25.
Station scale for radio receiver sets. E. König. 2,081,278; May 25.
Steam generator. M. H. Kuhner. 2,081,241; May 25.
Steam main construction. M. H. Gysling. 2,081,867; May 25.
Stereotype chase lockup, Automatic. C. L. Waterston and G. W. Holloway. 2,081,345; May 25.
Still, Pipe. D. R. Johnson. 2,081,628; May 25.
Stitch removing tool. B. F. Rhodes. 2,081,250; May 25.
Stocking toe fabric, Reenforced. R. Schletter. 2,081,186; May 25.
Stoker, Locomotive. C. P. Hubler. 2,081,276; May 25.
Stop for telescoping members. J. J. O'Neill. 2,081,677; May 25.
Stopper, Nonrefillable bottle. L. Kunz. 2,081,823; May 25.
Stove, Gas. A. J. Reedy. 2,081,507; May 25.
Stream control system, Automatic side. C. M. Ridgway. 2,081,601; May 25.
Stropping device. A. J. Holman. 2,081,147; May 25.
Sucrose octanitrate. J. A. Wyler. 2,081,161; May 25.
Suit, Inflatable swimming. Y. Temchin and H. Gross. 2,081,687; May 25.
Sulphoaromatic compound of certain higher aliphatic ketones. M. De Groote. 2,081,795; May 25.
Sulphonation products from higher molecular organic compounds, Manufacture of. E. Elbel. 2,081,865; May 25.
Support: *See*—
Arch support. Collar support.
Supporter for clothes lines. M. L. Weeks. 2,081,471; May 25.
Supporter, Hose. J. G. Tompkins. 2,081,467–9; May 25.
Supporting device, Four-way. P. H. Meyer. 2,081,635; May 25.
Swing. D. B. Sullivan. 2,081,341; May 25.
Switch: *See*—
Electric switch. Thermostatic switch.
Fuse switch.
Switch. A. Lohe. 2,081,827; May 25.
Switching mechanism. E. L. Dunn. 2,081,618; May 25.
Synchronizing and speed control system and mechanism. H. I. Turner and C. L. Anderson. 2,081,652; May 25.
Synchronous motor. H. M. Stoller and E. R. Morton. 2,081,411; May 25.
Table construction. P. Albano. 2,081,212; May 25.
Table with rotatable mirrors, Dressing. J. P. Kane 2,081,203; May 25.
Tack button. M. Emsig. 2,081,196; May 25.
Tag threading machine, Automatic. R. G. Travis. 2,081,285; May 25.
Tank: *See*—
Flush tank. Liquid storage tank.
Telegraph system, Carrier. V. P. Thorp. 2,081,312; May 25.
Telephone and telegraph exchange system, Combination. B. B. Jacobsen. 2,081,434; May 25.
Television system. H. H. Beverage. 2,081,730; May 25.
Temperatures in glass melting tanks, Apparatus for indicating and controlling. H. W. McIntosh. 2,081,595; May 25.

Therapeutic agent. A. O. Matthews. 2,081,547; May 25.
Thermometer, Clinical. F. S. Dickinson. 2,081,143; May 25.
Thermostatic switch, Snap action. J. E. Carlson. 2,081,269; May 25.
Thioethers and their production. W. Reppe and F. Nicolai. 2,081,766; May 25.
Thread covering machine. R. J. Bartholomew. 2,081,573; May 25.
Thread guide. M. J. McHale. 2,081,548–9; May 25.
Ticket printer. H. Frings. 2,081,701; May 23.
Tire changing stand. J. R. Krema. 2,081,402; May 25.
Tobacco cutting device. V. Lorentz. 2,081,460; May 25.
Tool: *See*—
Core removing tool. Machine tool.
Tool for lacing hook machines, Setting and work feeding. A. Hub. 2,081,869; May 25.
Tool transmission and control, Machine. J. B. Armitage. 2,081,288; May 25.
Toothbrush, Pocket. H. D. and D. H. Cassanos. 2,081,792; May 25.
Toy, Mechanical figure. L. Andreatta. 2,081,785; May 25.
Toy railway crossover. A. N. Smith. 2,081,682; May 25.
Track shunting apparatus, Railway. B. E. O'Hagan. 2,081,555; May 25.
Transfer mechanism. J. K. E. Diffenderffer. 2,081,580; May 25.
Transmission. T. B. Tyler. 2,081,689; May 25.
Transmission control in signaling systems. B. G. Bjornson. 2,081,422; May 25.
Transmission system, High frequency. C. E. Fay. 2,081,425; May 25.
Transmitter, Telemetric. F. R. Thompson. 2,081,414; May 25.
Tray, Freezing. B. B. Geyer. 2,081,428; May 25.
Tube: *See*—
Braun tube. Discharge tube.
Tuning device. H. E. Hollmann. 2,081,746; May 25.
Tuning system. H. Haase. 2,081,584; May 25.
Turbine. E. Westman. 2,081,611; May 25.
Turn indicating system and apparatus. C. A. Braun. 2,081,790; May 25.
Unit portions of ice cream or the like, Apparatus for forming. A. C. Routh. 2,081,282; May 25.
Universal joint. J. E. Padgett. 2,081,505; May 25.
Unloader, Scattering. H. H. Dodge. 2,081,661; May 25.
Utensil, Kitchen. C. E. Bretney. 2,081,165; May 25.
Valve: *See*—
Automatic mixing valve. Distributing valve.
Compression valve.
Valve. J. Wittek. 2,081,878; May 25.
Valve and sealing means, Pivot. R. E. B. Sharp. 2,081,842; May 25.
Valve cam operation. H. E. Blomgren. 2,081,658; May 25.
Valve construction. D. R. Yarnall. 2,081,522; May 25.
Valve control system, Electric. H. Winograd. 2,081,844; May 25.
Valve device, Check. G. T. McClure. 2,081,462; May 25.
Valve for fluid operated pumps. C. J. Coberly. 2,081,222; May 25.
Valve seat. L. S. Hamer. 2,081,431; May 25.
Vaporizer. R. M. Ritter. 2,081,768; May 25.
Variable resistance. J. D. de Vries. 2,081,227; May 25.
Vault. W. E. Wilkinson. 2,081,316; May 25.
Vault protective system. C. D. Ellithorpe. 2,081,271; May 25.
Vehicle. R. Laborda. 2,081,750; May 25.
Vehicle body construction. G. M. Lane. 2,081,545; May 25.
Vehicle body pillar. O. F. Graebner. 2,081,810; May 25.
Vehicle control apparatus, Railway. C. C. Farmer. 2,081,662; May 25.
Vehicle control device, Motor. C. T. Jacobs. 2,081,747; May 25.
Vehicles, Apparatus for unloading and loading railway. I. E. Kullerstrand. 2,081,178; May 25.
Vending machine. G. Morrison. 2,081,338; May 25.
Ventilator: *See*—
Automobile ventilator.
Ventilator attachment. U. K. Petersen. 2,081,640; May 25.
Vibrator, Foot. H. Mueller and H. Tretter. 2,081,365; May 25.
Waffle mold. A. Bersted. 2,081,164; May 25.
Wall assembly and stud. A. V. Pretot. 2,081,368; May 25.
Warp twisting-in machine. J. H. Becker. 2,081,262; May 25.
Watch cleaning machine. B. B. Branaman, Sr. 2,081,142; May 25.
Wave filter. W. P. Mason. 2,081,405; May 25.
Wax from asphalt-wax mixtures, Separating. U. B. Bray. 2,081,733; May 25.
Wax from oil, Separating. M. L. Wade. 2,081,519; May 25.
Web feeding device. O. Wohlrabe. 2,081,654; May 25.
Weighing and distribution system, Electrical. A. McL. Nicolson. 2,081,367; May 25.
Weight and line indicator. H. H. Greene. 2,081,665; May 25.
Weld rod. A. G. de Golyer. 2,081,394; May 25.
Well screen. H. D. Wilson. 2,081,190; May 25.
Wetting agents for the use in mercerizing lyes. K. Broderson. 2,081,528; May 25.
Wheel construction, Steering. G. A. Lyon. 2,081,592–3; May 25.
Window structure. W. E. Clark. 2,081,695; May 25.
Window, Vehicle. A. F. and P. F. Hohmann. 2,081,745; May 25.
Window, Vehicle ventilating. H. G. Kellogg. 2,081,587; May 25.
Wire, Making liquor finished. W. E. Leonard. 2,081,630; May 25.
Wireless direction finding system. H. M. Dowsett and R. Cadzow. 2,081,530; May 25.
Wood, Impregnating. F. H. Lyons. 2,081,828; May 25.
Wrapped container. H. H. Replogle and S. N. Dalton. 2,081,152; May 25.
Wrappers, Apparatus and method for sealing waxed. R. A. Hayward. 2,081,626; May 25.
Wrench: *See*—
Pipe wrench.
X-ray tube having a rotary anode. A. Bouwers. 2,081,789; May 25.

CLASSIFICATION OF PATENTS

ISSUED MAY 25, 1937

NOTE.—First number—class, second number—subclass, third number—patent number

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77: 2,081,426
80: 2,081,290
131: 2,081,136
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227: 2,081,532
4— 43: 2,081,539
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5— 8: 2,081,374
8— 2: 2,081,327
6: 2,081,736
20: 2,081,172
2,081,173
2,081,528
9— 20: 2,081,687
10— 154: 2,081,275
12— 7: 2,081,207
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37: 2,081,781
38: 2,081,648
103: 2,081,250
107: 2,081,879
142: 2,081,211
2,081,226
2,081,887
15— 133: 2,081,792
152: 2,081,230
153: 2,081,631
16— 35: 2,081,594
17— 11: 2,081,229
18— 6: 2,081,670
24: 2,081,533
50: 2,081,556
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54: 2,081,144
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2,081,171
55: 2,081,723
56: 2,081,777
19— 37: 2,081,412
158: 2,081,433
20— 1.01: 2,081,271
18: 2,081,774
52: 2,081,695
89: 2,081,638
21— 52: 2,081,828
120: 2,081,768
22— 188: 2,081,558
200: 2,081,304
23— 165: 2,081,351
206: 2,081,576
234: 2,081,272
250: 2,081,236
263: 2,081,322
24— 73: 2,081,410
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95: 2,081,196
101: 2,081,259
102: 2,081,485
106: 2,081,773
200: 2,081,385
205: 2,081,396
207: 2,081,514
216: 2,081,400
230: 2,081,606
243: 2,081,467
2,081,468
2,081,469
250: 2,081,797
25— 134: 2,081,476
155: 2,081,802
26— 60: 2,081,461
28— 48: 2,081,252
29— 26: 2,081,145
148: 2,081,630
156.6: 2,081,257
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156.8: 2,081,645
2,081,646
30— 1: 2,081,318
9: 2,081,702
36: 2,081,488
43: 2,081,346
2,081,694
30— 43.5: 2,081,129
◀ 99: 2,081,232
32— 2: 2,081,392
33— 2: 2,081,133
39: 2,081,439
191: 2,081,217
34— 5: 2,081,349
44: 2,081,685
440: 2,081,644
36— 7.5: 2,081,375
8.5: 2,081,655
35: Re.20,381
36: 2,081,610
71: 2,081,474
37— 156: 2,081,536
40— 2.2: 2,081,627
4: 2,081,152
44: 2,081,321
64: 2,081,786
100: 2,081,264
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132: 2,081,281
152: 2,081,722
41— 10: 2,081,893
21: 2,081,538
34: 2,081,202
42— 50: 2,081,235
71: 2,081,438
43— 9: 2,081,146
41: 2,081,671
42: 2,081,817
87: 2,081,379
44— 8: 2,081,176
46— 55: 2,081,785
47— 28: 2,081,775
38: 2,081,337
58: 2,081,667
48— 190: 2,081,130
49— 5: 2,081,859
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9: 2,081,857
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39: 2,081,769
54: 2,081,595
51— 84: 2,081,147
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278: 2,081,843
53— 4: 2,081,751
10: 2,081,164
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60— 41: 2,081,149
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61— 36: 2,081,541
62— 4: 2,081,479
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19: 2,081,332
108.5: 2,081,428
115: 2,081,883
124: 2,081,287
126: 2,081,480
127: 2,081,845
141: 2,081,629
63— 32: 2,081,483
64— 17: 2,081,505
66— 50: 2,081,637
79: 2,081,816
89: 2,081,185
117: 2,081,515
127: 2,081,430
182: 2,081,186
67— 29: 2,081,783
68— 3: 2,081,471
70— 187: 2,081,778
331: 2,081,757
71— 43: 2,081,401
72— 0.5: 2,081,380
1: 2,081,499
101: 2,081,417
115: 2,081,368
137: 2,081,706
73— 31: 2,081,596
52: 2,081,143
122: 2,081,557
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230.17: 2,081,641
293: 2,081,863
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389.5: 2,081,563
517: 2,081,737
552: 2,081,592
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569: 2,081,390
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591: 2,081,140
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76— 59: 2,081,782
77— 55: 2,081,487
81— 64: 2,081,383
83— 18: 2,081,283
73: 2,081,881
84— 173: 2,081,516
174: 2,081,704
240: Re.20,382
85— 2.4: 2,081,764
3: 2,081,323
87— 2: 2,081,890
5: 2,081,617
9: 2,081,518
2,081,886
27: 2,081,168
28: 2,081,719
88— 16: 2,081,299
24: 2,081,187
2,081,329
47: 2,081,608
88: 2,081,203
90— 16: 2,081,288
18: 2,081,639
91— 3: 2,081,888
18: 2,081,320
42: 2,081,478
45: 2,081,442
2,081,742
46: 2,081,324
47: 2,081,758
55: 2,081,456
62.5: 2,081,735
65: 2,081,666
67.4: 2,081,673
68: 2,081,180
70: 2,081,234
2,081,609
92— 3: 2,081,267
54: 2,081,740
93— 2: 2,081,626
51: 2,081,759
58.2: 2,081,583
91: 2,081,285
94— 1.5: 2,081,358
18: Re.20,376
Re.20,378
43: 2,081,472
50: 2,081,346
97— 2: 2,081,486
98— 90: 2,081,343
99— 162: 2,081,273
269: 2,081,339
101— 91: 2,081,806
93: 2,081,836
96: 2,081,701
132: 2,081,386
140: 2,081,481
288: 2,081,523
394: 2,081,345
103— 38: 2,081,194
46: 2,081,220
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140: 2,081,812
153: 2,081,221
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162: 2,081,477
224: 2,081,799
230: 2,081,222
104— 63: 2,081,261
105— 109: 2,081,336
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354: 2,081,291
106— 22: 2,081,889
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2,081,849
107— 8: 2,081,455
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21: 2,081,282
108— 7: 2,081,491
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109— 1: 2,081,316
110— 101: 2,081,276
165: 2,081,680
111— 73: 2,081,784
112— 34: 2,081,371
100: 2,081,793
113— 35: 2,081,691
118: 2,081,303
121: 2,081,804
114— 66.5: 2,081,868
115— 0.5: 2,081,649
116— 54: 2,081,805
124.1: 2,081,278
117— 34: 2,081,573
118— 11: 2,081,416
119— 28: 2,081,334
120— 18: 2,081,286
121— 37: 2,081,760
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62: 2,081,270
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194: 2,081,543
122— 7: 2,081,697
347: 2,081,241
451: 2,081,891
123— 51: 2,081,139
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140: 2,081,188
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171: 2,081,484
178: 2,081,762
179: 2,081,761
190: 2,081,260
198: 2,081,668
125— 11: 2,081,806
126— 36: 2,081,580
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292: 2,081,307
299: 2,081,640
128— 25: 2,081,365
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153: 2,081,715
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354: 2,081,540
129— 16: 2,081,841
24: 2,081,372
25: 2,081,854
30: 2,081,470
131— 12: 2,081,378
132— 33: 2,081,199
36.1: 2,081,882
58: 2,081,683
61: 2,081,317
79: 2,081,818
134— 26: Re.20,383
57: 2,081,407
58: 2,081,835
89: 2,081,771
136— 132: 2,081,656
137— 78: 2,081,860
140: 2,081,466
146: 2,081,510
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138— 38: 2,081,612
48: 2,081,867
70: 2,081,872
85: 2,081,313
139— 36: 2,081,620
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391: 2,081,370
140— 71: 2,081,167
141— 1: 2,081,142
9: 2,081,636
144— 288: 2,081,402
309: 2,081,754
146— 3: 2,081,424
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121: 2,081,807
122: 2,081,460
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150— 54: 2,081,582
154— 44: 2,081,765
46: 2,081,308
155— 9: 2,081,333
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65: 2,081,341
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117: 2,081,181
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166— 8: 2,081,190
167— 68: 2,081,547
89: 2,081,279
169— 26: 2,081,325
170— 159: 2,081,647
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171— 95: 2,081,233
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97: 2,081,803
209: 2,081,800
223: 2,081,837
252: 2,081,603
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327: 2,081,862
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281: 2,081,369
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81: 2,081,427
259: 2,081,435
264: 2,081,384
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266: 2,081,880
321: 2,081,832
175— 91: 2,081,633
183: 2,081,690
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351: 2,081,364
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2,081,414
2,081,684
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352: 2,081,134
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177— 384: 2,081,822
178— 4: 2,081,377
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44: 2,081,405
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66: 2,081,312
179— 2.5: 2,081,135
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78: 2,081,422
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100.12: 2,081,752
171: 2,081,713
189: 2,081,622
180— 64: 2,081,546
70: 2,081,214
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181— 56: 2,081,306
182— 1: 2,081,298
183— 7: 2,081,772
18: 2,081,553
115: 2,081,406
184— 6: 2,081,157
103: 2,081,315
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188— 78: 2,081,521
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194— 96: 2,081,338
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16: 2,081,632
18: 2,081,732
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50: 2,081,218
58: 2,081,534
73: 2,081,855
110: 2,081,440
2,081,628
132: 2,081,601
197— 127: 2,081,423

197— 128: 2,081,624
198— 26: 2,081,441
155: 2,081,301
199— 50: 2,081,866
200— 11: 2,081,184
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84: Re.20,380
98: 2,081,618
114: 2,081,813
2,081,814
116: 2,081,826
121: 2,081,675
126: 2,081,623
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206— 15: 2,081,664
15.1: 2,081,570
19.5: 2,081,559
63.3: 2,081,389
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210— 1: 2,081,513
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211— 44: 2,081,216
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214— 1: 2,081,580
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65.4: 2,081,504
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37: 2,081,246
43: 2,081,340
73: 2,081,833
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219— 8: 2,081,394
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40: 2,081,537
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221— 47.3: 2,081,163
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103: 2,081,209
225— 12: 2,081,204
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84: 2,081,809
96: 2,081,609
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2,081,651
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23: 2,081,419
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62: 2,081,600
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230— 58: 2,081,354
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15: 2,081,170
237— 12.3: 2,081,696
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238— 8: 2,081,352
10: 2,081,682
329: 2,081,621
240— 7.1: 2,081,703
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157: 2,081,548
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52: 2,081,151
55: 2,081,490
106: R. 20,379
118: 2,081,529
246— 41: 2,081,555
247— 3: 2,081,197
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248— 7: 2,081,213
161: 2,081,677
311: 2,081,292

249— 55: 2,081,526
250— 6: 2,081,625
9: 2,081,205
11: 2,081,530
17: 2,081,577
2,081,711
20: 2,081,295
2,081,686
2,081,705
2,081,729
27: 2,081,429
27.5: 2,081,247
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U. S. GOVERNMENT PRINTING OFFICE: 1937

Patents Nos. 2,078,920 to 2,079,586

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Reissues	10—No.	20,346 to No.	20,355, inclusive.
Patents	667—No.	2,078,920 to No.	2,079,586, inclusive.
Designs	93—No.	104,336 to No.	104,428, inclusive.
Total	1,114		

Notice of Cancellation

U. S. Patent Office, *Washington, April 14, 1937.*

James F. Blawn, his assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Midway Chemical Co., 5235 West 65th Street, Chicago, Ill., to effect the cancellation of trade-mark registration of James F. Blawn, 440 East 46th Street, New York, N. Y., No. 131,042, dated May 4, 1920, and the notice of such proceeding sent by registered mail to the said James F. Blawn at the said address having been returned by the post office undeliverable, notice is hereby given that unless said James F. Blawn, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Suggestion for the Use of Coupons

The execution of orders for printed copies of U. S. patents, trade-marks, etc., will be considerably expedited if coupons are used. Such coupons may be purchased at the Patent Office in lots of 20 at $2.00 and 100 at $10.00.

Coupon orders do not have to be accompanied by letters of transmittal. They require nothing but the filling in of the patent number, the name of the inventor, the date of issue, and the name and address of the party desiring the service.

Adjudicated Patents

(D. C. Md.) Lowell and Dunmore patent, No. 1,455,141, for radio receiving apparatus, claims 1 to 4, 7, 13, 14, and 18 *Held* invalid and not infringed. *Lowell* v. *Triplett*, 17. F. Supp. 996.

(D. C. Md.) Dunmore and Lowell patent, No. 1,606,212, for power amplifier, claims 1 to 9 *Held* valid and infringed. Id.

(D. C. Md.) Dunmore patent, No. 1,635,117, for signal-receiving system, claims 9, 11, and 12 *Held* invalid and not infringed. Id.

(C. C. A. Wis.) Hanson patent, No. 1,970,698, for portable repair vulcanizer, *Held* invalid. *Speaker* v. *Shaler Co.*, 87 F.(2d) 985.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,888,184, H. W. Shontz, Door locking device, decided February 15, 1937, claim 2.

Pat. 1,958,581, C. L. Kennicott, Ore treatment, decided April 6, 1937, claim 5.

Pat. 1,988,032, P. Baumann, H. Bueckert, W. Sandhaas, and H. Schilling, Purification of acetylene, decided April 8, 1937, claim 5.

Pat. 2,001,808, M. L. Wood, Furnace for producing purified metals, decided April 7, 1937, claims 1 and 2.

Trade-Mark Registrations Canceled

321,675. Leather, scientifically treated. Gutmann and Company, Chicago, Ill. Registered February 5, 1935. Canceled April 9, 1937.

336,577. Cotton goods. A. Steinam Company, Inc., New York, N. Y. Registered July 7, 1936. Canceled April 9, 1937.

340,146. Whiskey. Bardstown Distillery, Inc., Bardstown, Ky. Registered November 3, 1936. Canceled April 9, 1937.

340,527. Paint enamels. Technical Color & Chemical Works, Inc., Brooklyn, N. Y. Registered November 10, 1936. Canceled April 2, 1937.

Condition of Applications Under Examination at Close of Business April 17, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 37,740; Trade-Mark Division, 1,782. Oldest new case, Oct. 27, 1936; oldest amended, Oct. 10, 1936.)
(The dates given are 1937 except where † indicates 1936)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
5624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	†Dec. 11	Feb. 1	464
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	†Dec. 7	†Nov. 11	746
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Jan. 21	Jan. 21	475
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	†Dec. 17	†Dec. 17	603
3077	5. ROBINSON, C. W., Harvesters: Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Jan. 23	Jan. 30	474
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	†Dec. 18	†Dec. 24	706
5725	7. JARBOE, C. G., Optics; Photography	Jan. 18	Jan. 18	873
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Jan. 26	Jan. 25	549
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Jan. 13	Jan. 13	472
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Jan. 23	Jan. 29	411
5097B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Jan. 21	Jan. 21	423
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	†Nov. 18	†Dec. 19	697
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 21	Jan. 21	505
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Jan. 13	Jan. 12	637
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Jan. 12	Jan. 12	964
5612	16. SPENCER, C. J., Telegraphy; Telephony	†Dec. 22	†Dec. 22	659
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 22	Jan. 28	526
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Dec. 15	†Dec. 17	497
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	†Dec. 19	†Dec. 19	720
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Jan. 16	Jan. 13	469
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Jan. 19	Jan. 21	504
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 21	Jan. 21	565
7624	23. BUTTNER, W. J. (Act.), Registers (part)	†Oct. 27	†Oct. 10	220
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters, Sewing Machines	Feb. 6	Feb. 4	550
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Jan. 18	Jan. 17	502
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Jan. 22	Jan. 15	454
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	†Nov. 7	†Nov. 7	770
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Jan. 29	Jan. 29	237
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Jan. 25	Jan. 23	471
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Dec. 9	†Dec. 12	804
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Jan. 23	Jan. 23	440
4086	32. LESH, KARL (Act.), Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Jan. 16	Jan. 19	481
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Feb. 4	Jan. 25	612
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Feb. 12	Feb. 15	302
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	†Dec. 12	†Dec. 14	631
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Feb. 1	Jan. 27	264
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	†Dec. 18	†Dec. 10	757
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Jan. 14	Jan. 21	462
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	Jan. 6	Jan. 8	469
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	†Dec. 10	†Dec. 10	1216
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	†Dec. 5	†Dec. 4	425
5882	42. CUTTING, H. O., Electric Signaling	Jan. 19	Jan. 16	424
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Jan. 18	Jan. 18	588
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	†Dec. 18	†Dec. 16	647
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Dec. 2	†Dec. 1	756
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Jan. 27	Jan. 28	393
6082	47. BARKER, H., Clutches; Brakes	Feb. 5	Feb. 8	416
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Jan. 18	Jan. 18	538
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Jan. 16	Jan. 25	462
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Jan. 17	Jan. 17	608
5628	51. BACKUS, C. D., Radiant Energy	Jan. 13	Jan. 13	729
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Jan. 25	Jan. 22	577
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	†Nov. 30	†Nov. 27	1045
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Feb. 17	Feb. 17	368
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Nov. 11	†Nov. 20	913
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making.	†Dec. 28	†Dec. 28	803
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	†Nov. 24	†Dec. 11	650
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 6	Feb. 5	340
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Jan. 27	Jan. 28	488
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	†Dec. 5	†Dec. 5	554
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Jan. 19	Jan. 18	321
3876	62. PUGH, E. C., Games; Geometrical Instruments	Feb. 1	Feb. 1	452
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Jan. 14	Jan. 14	504
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Jan. 19	Jan. 18	854
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Nov. 25	†Nov. 25	683
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Mar. 17	Apr. 5	1459
	{Labels and Prints	Mar. 12	Mar. 29	323
2605	Designs, H. H. KALUPY	Mar. 22	Apr. 3	522

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

GASOLINE PRODUCTS COMPANY, INC., *v.* COE, COMMISSIONER OF PATENTS

No. 6,492. Decided December 7, 1936

87 F.(2d) 550

PATENTABILITY—HEATING COIL MADE OF ALLOY OF IRON AND CHROMIUM.

Claims for a heating coil for cracking hydrocarbon oils, composed of an iron and chromium alloy resistant to the corrosive action of sulphur *Held* patentable over the prior art.

APPEAL from the Supreme Court of the District of Columbia. Reversed.

Mr. Harry H. Semmes and *Mr. Newton A. Burgess* for Gasoline Products Company, Inc.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, GRONER, and STEPHENS, Associate Justices

STEPHENS, *A. J.:*

The appellant, hereafter referred to as plaintiff, is assignee of the patent application of one John C. Black, filed November 6, 1922, Serial No. 599,403, in the United States Patent Office, for a heating coil for cracking hydrocarbon oils. The application was duly prosecuted, but certain claims thereunder were rejected by the Examiner, and on appeal to the Board of Appeals that Board affirmed the Examiner's rejection. The plaintiff then filed a bill in equity in the district court under section 4915 of the Revised Statutes seeking a decree that the plaintiff is entitled to receive Letters Patent for the invention of Black as specified in the claims and that the appellee, United States Commissioner of Patents, hereafter referred to as defendant, be authorized and directed to issue such patent. The defendant answered, admitting the filing and due prosecution of the application, and the rejection of the claims, but asserting that they were unpatentable over certain patents mentioned below.

Black's claims relied on, numbered 13–16 inclusive, are as follows:

13. In an apparatus for cracking petroleum oils for the production of lower boiling hydrocarbon oils, a metallic cracking coil substantially resistant to the action of sulphur, said metallic coil being composed of an iron and chromium alloy, said chromium in the alloy being in such proportions as to substantially prevent the corrosive action of sulphur.

14. In an apparatus for cracking petroleum oils for the production of lower boiling hydrocarbon oils, a metallic cracking coil substantially resistant to the action of sulphur, said metallic coil being composed of an iron chromium nickel alloy, said alloy being in such constituent proportions as to substantially prevent the corrosive action of sulphur.

15. An apparatus for cracking hydrocarbons comprising a furnace, a cracking coil positioned within said furnace, said coil being formed of material comprising an alloy of iron and chromium substantially resistant to the corrosive action of sulphur and means in said furnace for supplying products of combustion thereto.

16. An apparatus for cracking hydrocarbons comprising a furnace, a plurality of tubes in said furnace through which the oil to be cracked is passed under pressure, said tubes being formed of an alloy of iron, chromium and nickel, substantially resistant to the action of sulphur under the conditions of cracking, and means for passing hot products of combustion over said tubes to crack the oil therein.

In his specification Black said:

I have discovered that the presence of sulphur in the hydrocarbons, either as free sulphur or as sulphur compounds, will readily attack the steel of the tubes when the coil is in operation under the high pressure and high heat employed in the process. To overcome this difficulty, I prefer to use an alloy steel such as nickel steel or chrome nickel steel, or I may use a tube which has been heat-treated with aluminum wherein a thin coating of aluminum iron or aluminum steel alloy is produced which acts as a protective surface to the tube and prevents to a great extent the destructive action of the sulphur or sulphur compounds.

It will be noted that claims 13 and 15 describe the material as an "iron and chromium alloy," and claims 14 and 16 as an "iron chromium nickel alloy." For convenience the alloy will hereafter be referred to as "chromium alloy."

The patents cited by the defendant are the following: Palmer, 1,268,763, June 4, 1918; Gillespie, 1,306,690, June 17, 1919; Kelley, 1,365,499, January 11, 1921; Van Steenbergh, 1,407,339, February 21, 1922; Metzger, 1,422,878, July 18, 1922; and Black, 1,426,813, August 22, 1922. At the trial below the patent application, the Examiner's Statement, the decision of the Board of Appeals, and the patents cited were in the usual course made a part of the record, and in behalf of the plaintiff an expert witness, one Enslo S. Dixon, testified. No testimony was introduced for the defendant. At the conclusion of the hearing, the trial court made the following findings and conclusions:

FINDINGS OF FACT

1. Plaintiff's application discloses and claims apparatus for cracking hydrocarbons in which the cracking coil is composed of an alloy of iron and chromium, and of iron, chromium and nickel to make it resistant to sulphur corrosion in hydrocarbon oil cracking.
2. The patent to Palmer, 1,268,763, discloses apparatus for making gas from bituminous coal, the retort of the apparatus being formed of ni-chrome steel to make it resistant to oxidation.
3. The patent to Metzger, 1,422,878, discloses a retort formed of iron coated with an alloy containing chromium and nickel to make the retort resistant to the corrosive or oxidizing action of the retort or furnace gases.
4. The patent to Kelley, 1,365,499, discloses a process for surface treating a metal with chromium to form a surface that is resistant to corrosion and oxidation.
5. The patent to Van Steenbergh, 1,407,339, discloses apparatus for cracking mineral oil in which apparatus the tubular preheating coil . . . is made of the well-known alloy of chromium and nickel commonly used as an electrical heating element.
6. The patent to Black, 1,426,813, discloses a process and apparatus for the production of low boiling point hydrocarbons in which apparatus cracking coils are employed.

CONCLUSIONS OF LAW

1. The claims are unpatentable over the prior art adduced by defendant.
2. No invention would be involved in making the cracking coils of the Black patent of an alloy of iron and chromium, or of an alloy of iron, chromium and nickel in view of the patents to Kelley, Metzger, Palmer and Van Steenbergh.
3. Plaintiff is not entitled to a decree for the claims and the bill will be dismissed.

A decree was thereupon entered dismissing the bill of complaint, and this appeal was taken.

It appears from the briefs and record, including the testimony of the witness Dixon that: The cracking process of treating gas oil or fuel oil in a still under high pressure (400–600 pounds to the square inch) and at high temperatures (oil temperature, 700°–1050° F.; tube, or coil, temperature, as high

as 1300° F.), causing a disassociation or "cracking" of the gas oil or fuel oil and producing gasoline, has come into common use in the petroleum industry. The use of tubes, or coils (the words are used interchangeably in the record) to conduct the oil in this process commenced about 1915 with the introduction of the so-called Burton Clark installation. The tubes were customarily made of carbon steel or iron and, for some reason apparently not understood by the experts in the industry until Black's discovery of sulphur or sulphur compounds as the cause, they were rapidly corroded, or eaten away, during the cracking process. The corrosion was at a rate of approximately one-quarter of an inch per year, through the side wall. This weakened the tubes and resulted in frequent explosions and fires with consequent serious loss of property and life, and interruption of the industrial process. Also, because the corrosion was "spotty", that is, not uniform, external inspection of the tubes would not disclose their exact condition, and the consequent uncertainty with respect to their safety impaired labor morale. To the extent that explanation of the corrosion process was suggested, the theory in the industry, until Black, was that it was due to acidic constituents, mineral or organic, in the oil; the prevalent thought was that the corrosion was an organic acid corrosion. As late as 1921 a report by W. C. Lauer, a chemist, detailed to the study of cracking and steel practices, attributed the cause of corrosion in steel units to acids and not to sulphides. This prevalent view in the industry suggested the use of acid resisting metals such as copper and nickel alloys. Black's application, disclosing the use of chromium alloy tubes, was filed, as above stated, in 1922. In 1923 Dixon had been employed by The Texas Company as a metallurgist connected with its research laboratory, and in 1924 he heard of the asserted invention of Black and installed a chromium alloy cracking coil in a still of The Texas Company. This showed no corrosion when examined after two years' use; other chromium tubes, installed in 1926, also gave no evidence of corrosion after two years. Since 1928–1929, eighty percent of the tubes of The Texas Company have been made of chromium alloy, and cracking coils made of chromium alloy have gone into wide commercial use in the industry. At the Port Arthur plant of The Texas Company the use of the new type of tube has been attended by practical results of great value. Dixon summarized the advantages of chromium alloy tubes as follows:

> The corrosion rate is much lower;
> The scale rate is much lower;
> The strength is much higher;
> The ability to swell prior to rupture is very marked;
> The ability to stand higher temperature without failure is important;
> The tendency toward sagging is less and, therefore, less necessity exists for intermediate supports;
> They will operate with a thicker coke formation without failure;
> The tendency to burst wide open suddenly is much less than with carbon steel;
> The wear resulting from cleaning the tubes with the metallic tube cleaner is less in view of the toughness of the chromium alloy tubes; because of this toughness there is less erosion from the gas and oil;
> The wasting away of tubes from erosion, that is, the rush of oil through the tubes, is less with chromium alloy than with carbon steel;
> We can use a less amount of metal in the chromium tubes than in the carbon steel for the same service; this would result in a thinner wall for the tube, which, in turn, would avoid internal stresses which we feel have been causes of rupture; thinner walls of tubes afford more efficient heat transfer;
> There is less danger with chromium alloy tubes by direct flame impingement in case fire gets out of control; and less trouble with chromium alloy tubes in putting on return bends after cleaning because of the smaller amount of bending of the chromium alloy tubes during operation;
> Since there are fewer renewals of chromium alloy tubes, there is less labor necessary because the tubes last longer.
> Now, each of these advantages that I have enumerated, is a real substantial advantage from a practical standpoint, and are so recognized in such conferences as I sit in.
> The most prevalent danger to life and equipment in connection with oil cracking prior to the adoption of the chromium alloy tubes was tube failures. Some of the sources of danger from that angle are:
> The tube thins down from corrosion, sometimes rapidly, while it is still operating under pressure and temperature and with a higher through-put rate under pressure as the tube becomes hot its strength is decreased and, being thin from corrosion, it bursts open.
> This presents a hazard to life and a loss of money from property.
> Since the pump is charging the oil through the tube, it is necessary to cut down the charge, stop it, but this can not be done right away. Much oil passes through the rupture and, of course, ignites. The battery may be enveloped in flames and sometimes it is impossible for an operator to shut off the proper valves, and the fire continues. Frequently it is attended with loss of life. This is particularly true of outside lines. Outside lines are much more dangerous, much more of a hazard, than tubes in the furnace. By "outside lines" I mean those outside the cracking furnace, such as a line going from the preheater. It is really a part of the heater coil; your pump discharge allowing circulating of the hot oil into the preheater; vapor lines always.
> That outside line is a part of the cracking system.
> At Port Arthur, where I was located, fires as a result of tube failures, prior to the adoption of the chromium alloy tubes, were very frequent. I would say that once a month would be very conservative; sometimes more often.
> Since the chromium alloy tubes have been installed, tube failures are a rare occurrence; they are almost inexcusable. The alloy does not suffer spotty corrosion; it corrodes slowly enough that it can be graded; the operator can know what to run his temperature and pressure.

The question in the case, therefore, is whether Black's discovery that the presence of sulphur or sulphur compounds in the hydrocarbons treated in a cracking process is the source of corrosion in carbon steel or iron tubes, and his substitution for such tubes of tubes made of iron and chromium alloy or of an iron chromium nickel alloy, with the results above set forth, constitute invention.

The position of the defendant is that prior to Black

> "the patents cited taught that the chromium alloy was resistant to corrosion and that that necessarily included corrosion brought about by the presence of sulphur in the material which was brought into contact with the metal."

and also that

> "the art taught broadly that chromium steel would resist corrosion and therefore when it was found that the pipes in a cracking apparatus corroded during the carrying out of the cracking process, it was not invention to substitute for the steel pipe previously used a similar pipe made of chromium alloy."

As above stated the defendant called no witnesses. He relied upon certain cross-examination, mentioned below, of Dixon, and upon the patents above referred to. In his brief in this court he refers particularly to Metzger, but apparently relies also on all of the other patents referred to, except Black, 1,426,813. That patent is for a process for cracking hydrocarbons. It discloses tubular cracking coils, but not the use of the alloy recited in the claims in the instant case.

The patent to Gillespie, 1,306,690, is for improvements in sheet metal. Gillespie claims a new article of manufacture having an incorrodible surface consisting of a sheet of mild steel coated on one side with a sheet of chromium alloy steel of the kind known as stainless steel. The specification states that the sheet is to be used for the manufacture of cans for the packing and storage of fruits, pickles and other solid food stuffs, and for saucepans and like culinary utensils, and for dental plates and artificial teeth, and discloses further that the sheet steel and the articles mentioned made of it are "incorrodible to the extent that they are proof against all ordinary culinary acids, fruit juices and the like." The patent teaches nothing concerning the corrosion resisting qualities of chromium alloy to sulphur, and nothing concerning the use of chromium alloy tubes in the oil cracking process.

The patent to Kelley, 1,365,499, is for improvements in surface alloyed metals. The specification discloses a method of forming a layer of chromium alloy upon a foundation metal such as iron, nickel, molybdenum or tungsten. It discloses that such chromium treated metal resists corrosion in the presence of moisture, for example, a salt spray. This patent again teaches nothing in respect of the capacity of chromium alloy to resist sulphur corrosion, and nothing concerning the use of chromium alloy tubes in the process of oil cracking.

The patent to Van Steenbergh, 1,407,339, is for improvements in apparatus for cracking mineral oil to produce gasoline. The specification discloses, as a part of the whole apparatus described, a so-called preheater to be used for raising the temperature of the oil before it enters the cracking process proper, and discloses, in this preheater, tubes, or pipe sections, composed of chromel, an alloy of nickel and chromium. This alloy is used, however, merely because of its qualities to resist an electric current and thereby to produce heat, and is not used in the cracking process proper. Nothing is taught in this patent of resistance by these chromel tubes to corrosion generally, or to corrosion by sulphur.

The patent to Palmer, 1,268,763, is for improvements in the process of, and apparatus for, making natural-gas substitute. The specification discloses a retort

> "constructed of a highly refractory, non-oxidizable metal such as ni-chrome steel, though nickel steel or nickel may be also employed in lieu thereof."

The retort is to be filled with bituminous coal and heat applied to generate gas. In one of the claims the retort is described as

> "being relatively narrow and having extremely thin, refractory, substantially non-corrosive walls consisting principally of nickel . . ."

and in another claim a similar description of the retort is given, but the walls, or envelop, are said to consist "principally of nichrome." In the specification Palmer points out that because

> "the nickelous portion of the envelop is extremely thin . . . [it is] at the high temperature to which it is subjected . . . at least partially pervious to the passage thereinto of the strongly oxidizing external gaseous heating medium, such as the producer-gas and hot air mixture which is preferably employed by me. The result is that the deleterious action of the carbonizing and carbid-forming gas within the retort upon the inner exposed layer of the envelop is substantially, if not entirely, prevented, . . ."

The Palmer patent does not in terms disclose that the inventor was aware of any exposure of the nichrome envelop to sulphur corrosion. It was brought out, however, in the cross-examination of the plaintiff's witness Dixon at the trial below, that sulphur is found profusely in soft coal, and that sulphur gases would therefore be produced within the Palmer retort and brought into contact with the inside thereof. By this the defendant sought to show that the Palmer patent, although not in terms, nevertheless actually, taught that the nichrome envelop was subject and resistant to sulphur corrosion. But upon the redirect examination of Dixon it was further shown that

> "under the circumstances existing inside the retort, . . . of the Palmer patent, there would not be presented any question of sulphide corrosion, not even if there were the permissible amount of sulphur in the coal used. That is because the sulphide under the temperature of this retort is so high in temperature and dry that it does not, would not, attack this retort even if it were steel."[2]

The patent to Metzger, 1,422,878, is for an improvement in retorts. The specification discloses:

> "In many manufacturing operations where retorts, furnaces and the like are subjected to a high temperature it is desirable to employ iron or other similar relatively cheap and plentiful metal as the retort or furnace material. For example, in the manufacture of coal gas, oil gases and in certain processes employed to effect the fixation of atmospheric nitrogen and in numerous other processes not necessary to be mentioned, iron retorts or furnaces would be highly desirable were it not for the fact that the corrosion or oxidation of the retort or furnace is quite rapid at the rather high temperatures required in these processes."

The specification further discloses that to meet this problem an alloy of nickel and chromium is to be used as a protective coating for a retort or furnace of iron and states that the principal object of the invention

> "is to provide the iron or other similar corrodible material which may be employed for the construction of retorts or furnaces to be employed for the purposes previously stated with a coating of metal which will offer substantial resistance to the corrosive action of the retort or furnace gases, . . ."

As above pointed out the Metzger patent is the one principally relied upon by the defendant in his brief. This again, as in respect of Palmer, is apparently upon the theory that, although the patent does not in terms disclose exposure of the alloy of nickel and chromium to sulphur, it does so actually for the reason that in the manufacture of coal gas, coal will be used and coal contains sulphur. But since the Metzger patent discloses a use of the retorts and furnaces referred to under conditions of "high temperature," it appears to be true of the Metzger patent as well as of the Palmer patent (i. e., for the same reason) that it teaches nothing of the resistance of chromium alloy to sulphur corrosion.[3]

We think it must be concluded that, while the patents above reviewed disclose that chromium alloy is resistant to certain types of corrosion, such as that caused by "culinary acids, fruit juices, and the like," moisture in the form of a salt spray, carbid-forming gas, and furnace gas, and so disclose that

[2] The Palmer specification indicates that the retort envelop is exposed to a temperature of 1100° C. Dixon had testified that the oil temperature in the cracking process is 700°–1050° F. and that the tube temperature is as high as 1300° F. 1050° F. is but 565.5° C. and 1300° F. is but 704.4° C.

[3] It seems proper to conclude that Metzger's "high temperatures" are as high as that of Palmer, because both Palmer and Metzger make gas from coal under similar conditions.

chromium alloy is, in a loose general sense, a corrosive resistant, none of them teaches that it is a resistant to sulphur corrosion in general, or to sulphur corrosion specifically in an oil cracking process. We think that the position of the defendant that "the art taught broadly that chromium steel would resist corrosion . . ." is but a generalization from the teaching of the art that chromium alloys are resistant to certain kinds of corrosion, and that it is too wide a generalization. It is not to be inferred from the fact that chromium alloys are resistant to corrosives of certain kinds that they are resistant to corrosives of all kinds.

It is asserted in the brief for the defendant that

> "the record of the application shows that the Examiner stated it was a matter of common knowledge that such tubes were resistant to sulphur corrosion."

We are unable to find in the Examiner's statement, or elsewhere in the record, such a statement. The Examiner does say:

> "Applicant makes the tubes of the coil out of an alloy steel such as nickel steel or chrome nickel steel because these materials are resistant to the corrosive action of sulphur and sulphur compounds which are ordinarily present in hydrocarbon oils, and which attack ordinary steel tubes."

This is somewhat ambiguous. It might be construed to mean that the applicant makes the tubes out of the materials mentioned because it is commonly known that the materials are resistant to the corrosive action of sulphur; but it might with equal logic be construed to mean that the applicant makes the tubes out of the materials mentioned because he had himself found that those materials are resistant to the corrosive action of sulphur. It is true that in the reply brief for the plaintiff the following appears:

> The Commissioner's brief states (Br., p. 4) that:
> "In fact, the record of the application shows the Examiner stated it was a matter of common knowledge that such tubes were resistant to sulphur corrosion."
> Obviously the Examiner's statement that such was common knowledge is no proof that it is a fact.

While this might be taken as an admission by the plaintiff that the Examiner had made the statement attributed to him by the brief for the defendant, it must be taken also as a denial that such a statement by the Examiner constitutes proof that it was common knowledge that chromium alloy tubes are resistant to sulphur corrosion. The Examiner's Statement said also:

> "All of these patents show that it was known before applicant thought of building cracking coils of the alloys in question that such alloys were non-corrosive to sulphur and sulphur compounds. . . ."

But in our view of the disclosures of the patents cited, this statement is not supportable. The findings of fact by the trial court contain nothing to the effect that it was common knowledge that chromium alloy tubes are resistant to sulphur corrosion, and in the absence of a finding to this effect and of any definite evidence in the record on the subject, and in view of the further fact that the decree below was founded solely on the disclosures of the references, we think that the case can be decided without reference to such a proposition.

In our view of what the prior art discloses, we think the conclusions of law made by the trial court to the effect that the "claims [of the plaintiff] are unpatentable over the prior art adduced by the defendant," and that

> "no invention would be involved in making the cracking coils . . . of an alloy of iron and chromium, or of an alloy of iron, chromium and nickel in view of the patents to Kelley, Metzger, Palmer, and Van Steenbergh,"

are not warranted. We think that on the contrary under the record as we view it, i. e., as failing to show that the prior art taught that chromium alloy was resistant to sulphur corrosion as such, or to sulphur corrosion in the tubes of an oil cracking process, the plaintiff is, under settled principles of patent law, entitled to a patent. The plaintiff discovered that the cause of corrosion in ordinary carbon steel or iron tubes in the oil cracking process was sulphur or sulphur compounds. There is no dispute in the record on this point. And the plaintiff was the first to use chromium alloy tubes in the oil cracking process; and through their use he first solved the corrosion problem. Discovery of a source of trouble not before known and the discovery and application of a remedy are well recognized as invention. *Eibel Co. v. Paper Co.*, 261 U. S. 45, 310 O. G. 3.

Apparently the defendant's contention that

> "the art taught broadly that chromium steel would resist corrosion [we have said *supra* that in our view this is too wide a generalization] and therefore when it was found that the pipes in a cracking apparatus corroded during the carrying out of the cracking process, it was not invention to substitute for the steel pipe previously used a similar pipe made of chromium alloy,"

seeks to invoke the well settled rule of *Hotchkiss v. Greenwood*, 11 How. 248,266, that mere substitution of materials in a known machine cannot be regarded as invention entitling to a patent for the reason that in such cases, generally speaking, the difference is formal and affords nothing more than "evidence of judgment and skill in the selection and adaptation of the materials." But there is a well known exception to that rule, thus stated by the Supreme Court in *Hicks v. Kelsey*, 18 Wall. 670, 673:

> The use of one material instead of another in constructing a known machine is, in most cases, so obviously a matter of mere mechanical judgment, and not of invention, that it cannot be called an invention, *unless some new and useful result, an increase of efficiency, or a decided saving in the operation, is clearly attained.* [Italics supplied.]

This was put definitely into the positive in *Smith v. Goodyear Dental Vulcanite Co.*, 93 U. S. 486, 496–497, 11 O. G. 246, where the Supreme Court said:

> But where there is some such new and useful result, where a machine has acquired new functions and useful properties, it may be patentable as an invention, though the only change made in the machine has been supplanting one of its materials by another.

This exception to the general rule of *Hotchkiss v. Greenwood* has been given effect in many well known cases. See for example: *United Shoe Machinery Corporation v. E. H. Ferree Co.*, 64 F.(2d) 101, certiorari granted, 290 U. S. 614, dismissed per stipulation of counsel, 290 U. S. 708 (substitution of aluminum for cast iron in the hammer arm of a clicking machine used in cutting shoe uppers); *Re Harbeck*, 39 App. D. C. 555, 39 O. G. 555 (substitution of fused cement for a soluble adhesive for holding together the layers of paper vessels); *Yablick v. Protecto Safety Appliance Corporation*, 21 F.(2d) 885 (substitution of copper sulphate for sulphuric acid and pumice in gas masks for the absorption of ammonia from ammonia saturated air); *George Frost Co. v. Cohn*, 119 Fed. 505 (substitution of rubber for metal in a hose supporter button); *Low v. McMaster*, 266 Fed. 518 (substitution of a solid for a liquid fuel in a vulcanizing apparatus). In the case last mentioned the court stated the law as follows:

> On this subject it is the law, that merely to substitute superior for inferior materials, in making one or more or all of the parts of a machine or manufacture, is not invention, although the substitution may be of materials that are both new and useful in high degree. It is also the law, as exceptions to this general rule, that if the substitution involved a new mode of construction; or if it developed new properties and uses of the article made; or where it produces a new mode of operation, or results in a new function; or when it is the first practical success in the art in which the substitution is made; or where the practice shows its superiority to consist not only in greater cheapness and greater utility, but also in more efficient action, it may amount to invention. [266 Fed. at 519–520.]

We think therefore that even within the defendant's view of what the art taught broadly, the undisputed evidence in the case concerning the advantages obtained by using chromium alloy tubes in the oil cracking process entitles the applicant to a patent. He clearly accomplished at least "an increase of efficiency" and "a decided saving in the operation" within the language of *Hicks v. Kelsey*. Within the words of *Low v. McMaster:* his machine has acquired "new properties and uses"; his "is the first practical success in the art in which the substitution is made," and "the practice shows its superiority to consist not only in greater cheapness and in greater utility, but also in more efficient action, . . ."

In accordance with the foregoing the decree of the trial court is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE BRUNNER AND BEERS

No. 3,682. Decided January 4, 1937

[86 F.(2d) 990]

PATENTABILITY—METHOD OF COOLING RAILS.

Certain claims for a method of cooling rails *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Usina & Rauber, Mr. Edward W. Shepard and *Mr. Malcolm N. Rich* for Brunner and Beers.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.:*

The Board of Appeals of the United States Patent Office affirmed the action of the Primary Examiner in rejecting two claims, Nos. 1 and 3, of appellants' application for a patent relating to a process or method of cooling rails, such rails as are ordinarily used by railroads and which are made by the rolling process. Two claims were allowed.

Appellants have appealed here from the decision of the Board of Appeals.

Claim 1 is illustrative of the subject matter involved and follows:

> 1. In the cooling of rails from a temperature above the upper critical temperature to atmospheric temperatures, the method which comprises cooling the rail at a normal hot bed cooling rate to a temperature approximating but not below 350° C. and retarding the cooling of the rail between the temperatures of 350° C. to about 100° C. to a rate approximating 25° C. per hour but determined by the specific steel composition and carbon content thereof.

The reference relied upon is a French patent to Mackie, 727,524 of March 29, 1932.

Appellants state that their invention

> "relates to an improvement in railroad rails and the object of the invention is to prevent the formation of 'internal fissures and shatter cracks' within the rail."

The method of cooling is described in the above-quoted claim and needs no further explanation here.

The French patent to Mackie concerns the manufacture of rails for railroads and street cars. Mackie first permits the rails to cool normally, then places them in what the inventor has called a "cooling caisson" where cooling is continued at a reduced rate. They are introduced into the caisson at a temperature varied from 307° C. to 446° C., the average being 379° C. Claim 6 of the patent says that the normal cooling is continued to 350° C., after which the cooling is retarded. The end temperature in the process may be 50° C. above the temperature of the air or even "75° C. above that of the air to which they are to be exposed."

The Primary Examiner in rejecting the appealed claims stated that the claims define

> "a practice which is substantially identical to that found in the patent disclosure [the reference], and which, if differing at all from the patent, differs only in details which do not produce any new or unobvious result."

The Examiner explained that the rate of cooling in the reference is not far from 25° C. per hour as called for by the claims of the instant application. The rate approximating 25° C. per hour, at which the rails are finally cooled, according to the claims, is determined by the specific steel composition and the carbon content thereof.

The Board of Appeals, in affirming the decision of the Examiner in rejecting the two claims here involved, pointed out that the exact degree of temperature employed in retarding the cooling was dependent upon the steel composition and the carbon content of the steel, and that this statement in the claims and in appellants' specification indicates some variation in the temperature range during cooling. The Board said:

> • • • It seems to us, however, the teaching of the patentee is to approximate uniformity, and the fact that the tests showed substantial uniformity in cooling, in our opinion, is sufficient for anticipation. We note that the rate of change is approximately 25° C. per hour as specified in the claims under rejection.

We are in agreement with the tribunals below that the French patent to Mackie anticipates the two broad claims of the application which are here under consideration, and the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,982,445. P. E. Miquelon, Boot, D. C., E. D. Mich. (Detroit), Doc. 6788, *Universal Products Co., Inc.*, v. *C. H. Barber & Sons.* Dismissed Feb. 16, 1937. Doc. 6857, *Universal Products Co., Inc.*, v. *C. H. Barber et al.* Dismissed Mar. 26, 1935.

1,983,614, S. Kenney, License plate frame, D. C., E. D. N. Y., Doc. E 7884, *S. Kenney et al.* v. *Ideal Clamp Mfg. Co., Inc.* Decree for defendant Mar. 12, 1937.

1,984,916, G. E. Bullock, Velocipede frame construction, D. C., W. D. N. Y., Doc. 2084, *E. C. Brown Co.* v. *Kobler & Miller Co., Inc.* Consent decree dismissing bill as to Kobler & Miller, patent held infringed by O. W. Seibert Feb. 4, 1937.

1,986,508, A. Leighton, Combination shirt and invisible suspenders, filed Feb. 13, 1937, D. C., S. D. N. Y., Doc. E 84/312, *A. Leighton* v. *The Modell Sport Goods Co.*

1,987,300, F. E. Key, Return bend fitting, for Declaratory Judgment, D. C., E. D. Ill. (E. St. Louis), Doc. 4677, *Stockham Pipe Fittings Co.* v. *F. E. Key et al.* Suit and counterclaim dismissed Feb. 23, 1937.

1,987,908, C. E. Maynard, Automatic tire vulcanizing mold, filed Feb. 15, 1937, D. C., N. D. Ohio, E. Div., Doc. E 5572, *The Fisk Rubber Corp. et al.* v. *Summit Mold & Machine Co. et al.*

1,991,154, W. E. Irving, Bridge, filed Feb. 5, 1937, D. C. N. J., Doc. E 5673, *W. E. Irving et al.* v. *Kerlow Steel Flooring Co.*

1,994,950, C. W. Hoffritz, Illuminated dial, D. C., S. D. Calif. (Los Angeles), Doc. E 748–J, *Glo-Dial Clock Corp. et al.* v. *H. S. Greenstone et al.* Consent decree for plaintiffs, holding patent valid and infringed, injunction Feb. 10, 1937.

1,995,187, Lind & Feigenbaum, Collar, neckband or other garment part, D. C., S. D. N. Y., Doc. E 80/174, *Aero-Neck-Band & Collar Co., Inc., et al.* v. *J. Sperber.* Consent order of discontinuance without prejudice (notice Jan. 26, 1937). Doc. E 80/162, *Aero-Neck-Band & Collar Co., Inc., et al.* v. *Eclipse-Needles Co.* Decree as above (notice Jan. 23, 1937).

1,997,051, B. A. Engholm, Loud speaker, filed Feb. 5, 1937, D. C. N. J., Doc. E 5671, *Rola Co.* v. *Best Mfg. Co., Inc.*

2,003,355, E. Farkas, Vanity box, D. C., E. D. N. Y., Doc. E 7748, *Farmet Corp.* v. *Lentheric, Inc.* Dismissed Jan. 15, 1937.

2,007,253, W. A. MacDonald, Wave signaling system, filed Feb. 9, 1937, D. C., E. D. Va., Doc. E 393, *Hazeltine Corp.* v. *Stewart-Warner Corp.*

2,007,607, G. W. Johnson, Pressing machine and control mechanism therefor, filed Dec. 22, 1936, D. C. Utah (Salt Lake City), Doc. E 12938, *The American Laundry Machinery Co.* v. *L. N. Strike* (*Western Laundry Press Co.*).

2,010,216. (See Re. 20,204.)

2,012,492, Arnold & Dunn, Electric switch, D. C., E. D. Wis. (Milwaukee), Doc. 4897, *Oak Mfg. Co.* v. *Globe Union, Inc., et al.* Consent decree holding claims 1, 2, 6, 9, 10, and 11 valid and infringed Feb. 4, 1937.

2,015,008, W. E. Endrezze, Ore classifier, filed Feb. 17, 1937, D. C. Mont. (Helena), Doc. 1536, *W. E. Endrezze* v. *Basin Montana Tunnel Co.*

2,018,182, G. H. Logan, Drum head, C. C. A., 3d Cir., Doc. 6196, *W. F. Hammond* v. *Drumhead Co. et al.* Decree affirmed Feb. 2, 1937.

2,020,207, O. R. Platter, Chair, filed Feb. 9, 1937, D. C., E. D. N. Y., Doc. E 8249, *Mahoney Chair Co.* v. *Fred. Loeser & Co., Inc.* Consent decree for plaintiff Mar. 15, 1937.

2,030,476, H. E. Smith, Method of producing mirrors, C. C. A., 2d Cir., Doc. 15138, *F. D. Snell, Inc.,* v. *R. H. Potters et al.* Decree modified (notice Mar. 8, 1937).

2,031,642, E. J. Graf, Illuminated decorative device, filed Feb. 25, 1937, D. C., E. D. N. Y., Doc. E 8253, *G. B. G. Corp.* v. *McCrory Stores Corp.*

2,032,786, J. M. Auflero, Heater, D. C., E. D. N. Y., Doc. E 7927, *E. A. Laboratories, Inc.,* v. *Smith & Gregory of N. Y., Inc.* Decree for defendant Feb. 26, 1937.

2,040,012, E. S. Mix, Character bearing article, D. C., W. D. N. Y., Doc. 2121, *Hickok Mfg. Co.* v. *D. W. Lisson.* Consent decree Feb. 24, 1937.

2,041,982, Van Doren & Rideout, Sled, filed Jan. 20, 1937, D. C., E. D. Mich. (Detroit), Doc. 7856, *The American National Co.* v. *Pratt Mfg. Co.* Same, filed Dec. 15, 1936, D. C., E. D. Mich. (Detroit), Doc. 7818, *American National Co.* v. *Pratt Mfg. Co.* Dismissed Jan. 15, 1937.

2,045,317, S. Sobie, Ornamental composite fabric, filed Jan. 29, 1937, D. C., S. D. N. Y., Doc. E 84/282, *J. W. Sobie et al.* v. *Jay Bee Trimmings, Inc., et al.* Consent decree for plaintiff (notice Jan. 30, 1937).

2,045,630, B. Bratman, Stitched cloth and process of manufacturing same, D. C., S. D. N. Y., Doc. E 84/239, *B. Bratman* v. *Modern Pleating Co., Inc.* Consent decree for plaintiff (notice Feb. 4, 1937).

2,047,101, M. H. Grove, Pressure regulator, D. C., N. D. Calif. (San Francisco), Doc. E 4080–R, *Grove Regulator Co.* v. *Renco, Inc.* Dismissed without prejudice Mar. 5, 1937. Doc. E 4081–L, *Grove Regulator Co.* v. *H. C. Cobb (Cobb Welding Works).* Decree as above Mar. 6, 1937.

2,047,921, I. M. Schaffer, Lighting fixture, filed Jan. 29, 1937, D. C., S. D. N. Y., Doc. E 84/284, *M. Schaffer Co., Inc.,* v. *Vim-Lite, Inc.*

2,051,322, J. Weisbaum, Necktie, filed Feb. 23, 1937, D. C., W. D. Mo. (Kansas City), Doc. 2895, *J. Weisbaum* v. *Hipsh, Inc.* Injunction Mar. 15, 1937. Same, filed Mar. 12, 1937, D. C., W. D. Mo. (Kansas City), Doc. 2900, *J. Weisbaum* v. *Brauer-Gressman-Cohn, Inc.*

2,053,986, F. C. de Reamer, Lamp connector, filed Feb. 26, 1937, D. C., E. D. N. Y., Doc. E 8254, *General Electric Co.* v. *Leviton Mfg. Co.*

2,058,202, C. A. Anderson, Game board, filed Mar. 15, 1937, D. C., S. D. N. Y., Doc. E 84/4, *Gotham Pressed Steel Corp.* v. *Lindstrom Tool & Toy Co.*

2,070,924, H. Derman, Wardrobe, cabinet, and the like, filed Mar. 15, 1937, D. C., S. D. N. Y., Doc. E 84/5, *H. Derman* v. *L. Gersten et al.*

Re. 16,048, Scott & Scott, Production of show cards, advertisements, signs, or the like by stenciling, filed Feb. 23, 1937, D. C., S. D. Ohio, W. Div., Doc. E 1012, *The Ceramic Process Co.* v. *The Cincinnati Advertising Products Co.*

Re. 17,180, C. T. Hibbard, Method and means for starting synchronous motors, appeal filed Aug. 6, 1936, C. C. A., 2d Cir., Doc. —, *Electric Machinery Mfg. Co.* v. *General Electric Co.* Decree modified (notice Feb. 15, 1937).

Re. 20,204, J. Brussell, Pinking appliance, appeal filed Feb. 8, 1937, C. C. A., 2d Cir., Doc. 15246, *Lewis Invisible Stitch Machine Co.* v. *Four-Way Knife Pinking Machine Co., Inc., et al.*

TRADE-MARKS

OFFICIAL GAZETTE, MAY 4, 1937

[VOL. 478. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 380,018. PARFAIT POWDER PUFF COMPANY, INC., Chicago, Ill. Filed June 20, 1936.

SAF-T-LOID

For Cellulose in the Form of Sheets, Rods, and Tubes. Claims use since June 5, 1935.

Ser. No. 388,681. THE MILWHITE COMPANY, INCORPORATED, Houston, Tex. Filed Feb. 9, 1937.

SILOX

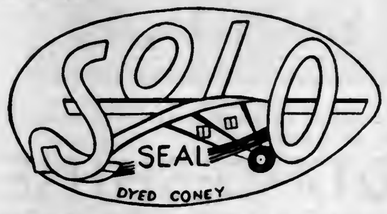
For Silicon Oxide for Conditioning Drilling Muds. Claims use since Aug. 1, 1936.

Ser. No. 388,682. THE MILWHITE COMPANY, INCORPORATED, Houston, Tex. Filed Feb. 9, 1937.

SPUDITE

For Natural Clay of the Kaolin Variety for Conditioning Muds.
Claims use since Aug. 1, 1936.

Ser. No. 389,195. SOL ORINGER, New York, N. Y. Filed Feb. 20, 1937.



The words "Seal Dyed Coney" are disclaimed apart from the mark.
For Fur Skins and Pelts.
Claims use since Sept. 2, 1935.

Ser. No. 389,415. GOLDSMITH-STOLL & Co., Chicago, Ill. Filed Feb. 26, 1937.



The words "Guaranteed Winterpelt Furs" are disclaimed apart from the mark.
For Fur Skins and Pelts.
Claims use since Jan. 2, 1936.

CLASS 2

Receptacles

Ser. No. 387,383. MEASURING DEVICE CORPORATION, New York, N. Y. Filed Jan. 2, 1937.

MEDCO

For Napkin Containers with Means for Dispensing Same, and for Sugar, Salt, and Pepper Containers with Metal and Composition Tops, and for Cafeteria Trays.
Claims use since February, 1931.

Ser. No. 388,646. CLARENCE A. LELAND, Denver, Colo. Filed Feb. 8, 1937.

SANIPICK

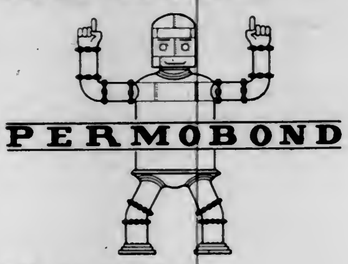
For Toothpick Dispensers Operable Either Manually or Automatically to Select and Project a Single Toothpick from a Supply Thereof.
Claims use since Sept. 16, 1936.

Ser. No. 388,848. REXAIR, INC., Detroit, Mich. Filed Feb. 12, 1937.

REXTAINER

For Receptacles of the Flexible Type Adapted for the Storage and/or Treatment of Garments.
Claims use since Feb. 4, 1937.

Ser. No. 389,758. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Mar. 6, 1937.



For Rubber Lined Tanks.
Claims use since Feb. 17, 1937.

Ser. No. 390,127. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Mar. 16, 1937.

EVEREADY

For Receptacles in the Nature of Kits for Electric Lamp Bulbs.
Claims use since Mar. 17, 1936.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 389,527. RESNICK BROS., LADIES HANDBAGS, INC., New York, N. Y. Filed Mar. 1, 1937.



For Ladies' Hand Bags.
Claims use since Jan. 1, 1937.

Ser. No. 390,033. ALLIED STORES CORPORATION, doing business as The Bon Marche, Wilmington, Del., and Seattle, Wash. Filed Mar. 15, 1937.

Charmode de luxe

For Pocketbooks.
Claims use since Aug. 1, 1935.

Ser. No. 390,148. PYRAMID LEATHER GOODS COMPANY, New York, N. Y. Filed Mar. 15, 1937.



For Children's Handbags.
Claims use since Jan. 1, 1937.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 388,265. HENRY L. FRAZIER, doing business as The Opalco Laboratory, McKeesport, Pa. Filed Jan. 28, 1937.



The term "Flakalkali" is disclaimed apart from the mark as shown.
For Industrial Cleaning Compound Used in Cleaning Soaking Tanks, Glass Tanks, and Glass Containers.
Claims use since Nov. 8, 1934.

Ser. No. 388,517. S. & S. SOAP CORPORATION, New York, N. Y. Filed Feb. 3, 1937.

CUSHION SUD

For Soap for Cleaning Carpets and Rugs.
Claims use since Jan. 10, 1936.

Ser. No. 388,806. STERLING PRODUCTS COMPANY, Easton, Pa. Filed Feb. 11, 1937.

SUNOLAX

For Fluid Dry Cleaning Soap.
Claims use since Jan. 18, 1937.

Ser. No. 389,122. DIXIE DISINFECTING COMPANY, Dallas, Tex. Filed Feb. 19, 1937.

DIX-O-SHINE

The word "shine" is disclaimed apart from the mark.
For Liquid Cleaning Preparation for Cleaning Floors of Various Kinds, Walls, Woodwork, Furniture, and Similar Surfaces.
Claims use since July 1, 1929.

Ser. No. 389,933. NATTY PRODUCTS COMPANY, Schlater, Miss. Filed Mar. 11, 1937.

Natty

For Shoe Cleaners and Shoe Polishes.
Claims use since Jan. 15, 1937.

Ser. No. 390,087. RIVERSIDE MANUFACTURING COMPANY, St. Louis, Mo. Filed Mar. 15, 1937.

VEE-THREE

For Dry Cleaning Soap.
Claims use since Mar. 5, 1937.

Ser. No. 390,089. RIVERSIDE MANUFACTURING COMPANY, St. Louis, Mo. Filed Mar. 15, 1937.

VEGETEX

For Dry Cleaning Soap.
Claims use since May 27, 1933.

CLASS 5

Adhesives

Ser. No. 388,980. THE FEDERAL PROCESS COMPANY, Cleveland, Ohio. Filed Feb. 16, 1937.

GASOILA

For Sealing Composition or Cement Used For Joints and Surfaces and Sold in Both Paste and Liquid Form.
Claims use since 1920.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 371,774. MOREY INSTITUTE, INC., New York, N. Y. Filed Nov. 20, 1935.



For Complete Line of Pharmaceutical and Toilet Preparations—Namely, a Conditioner for the Hair and Scalp, Cream and Lotion for Prevention and Relief of Sunburn and Other Burns, Hair Tonics, Eye Lotion, Antiseptic Lotion; Skin Softening, Refining, Protective and Cleansing Lotion; Powder Base Lotion; Cleansing, Nourishing and Lubricating Skin Cream; Tissue Building Cream; Skin Food Cream; Muscle Tightening Cream; Skin Tightening and Refining Cream; Cuticle and Hand Cream; Blackhead Dissolving Lotion; and Face Powders.
Claims use since 1925.

Ser. No. 376,178. ELNA D. OPENSHAW, doing business as Day Laboratories, Salt Lake City, Utah. Filed Mar. 19, 1936.

ZING

For a Foot Lotion for Treatment of Bromidrosis, a Throat Gargle, a Chest Rubbing Balm Recommended as an Aid in Treating So-called Chest Colds, and Nose Drops Recommended for Common Head Colds and Sinus Infections.
Claims use since Feb. 10, 1936.

Ser. No. 376,216. KELSAN PRODUCTS, St. Clair, Mich. Filed Mar. 20, 1936.

Kelsanite

For Compounded Aqueous Dispersions of Rubber for Temporary and Permanent Protective Coatings.
Claims use since Sept. 21, 1934.

Ser. No. 379,492. ANGELA VARONA, INC., New York, N. Y. Filed June 9, 1936.



Varona
VITAMIN "F" CREAM

The words "Vitamin F Cream" are disclaimed apart from the mark.
For Facial Creams.
Claims use since May 26, 1936.

Ser. No. 381,888. DOROTHY WALSH, Chicago, Ill. Filed Aug. 6, 1936.

Dorothy Walsh **Velvet Youth**

For Toilet Cream.
Claims use since June 8, 1936.

Ser. No. 383,907. A. D. CHAPMAN & CO., Chicago, Ill. Filed Oct. 2, 1936.

PERMATOX

For Toxic Chemical for Treating Wood and Cellulose Products to Protect Them from Attack by Insects and Fungi.
Claims use since Sept. 21, 1936.

Ser. No. 384,620. THE KNOX COMPANY, Los Angeles, Calif. Filed Oct. 21, 1936.

Diotex

For Medicated Tablets Indicated in and for the Treatment of Acidosis, Disorders of the Stomach and Digestive Tract, Hyperacidity and the Relief of Such Pathological or Physical Conditions as may Result from Excess Acidity of the Stomach.
Claims use since Sept. 10, 1927.

Ser. No. 384,621. THE KNOX COMPANY, Los Angeles, Calif. Filed Oct. 21, 1936.

Varko

For Medicine for Invigorating, Stimulating, Maintaining and Restoring the Vitality of the Genital System of the Human Body, and for the Treatment of Sexual Weakness, Nervousness, Loss of Virility and Impotence, and To Build Blood, Strengthen the Bones and Restore Lost Energy.
Claims use since Mar. 15, 1936.

Ser. No. 384,634. UTILITY SALES CORPORATION, Atlanta, Ga. Filed Oct. 21, 1936.

Modette Machineless Method

The words "machineless method" are disclaimed apart from the mark.
For Permanent Waving Lotion.
Claims use since Oct. 17, 1936.

Ser. No. 384,859. FELIX MORGENSTERN, doing business as Morgenstern Chemical Co., New York, N. Y. Filed Oct. 27, 1936.

NEO-PYRIN MORGENSTERN

For Medicinal Preparation for the Treatment of Rheumatism, Neuralgia, and Infection of the Respiratory Tract.
Claims use since Oct. 15, 1936.

Ser. No. 386,621. ALCOTONE LABORATORIES, Denver, Colo. Filed Dec. 10, 1936.

ALCOTONE

For Preparation for the Treatment of the Tobacco Habit.
Claims use since Mar. 1, 1936.

Ser. No. 387,354. OLD TREE CHOPPER REMEDIES, Wellston, Mich. Filed Dec. 31, 1936.

OLD TREE CHOPPER

For Ointments and Salves for External Use to Alleviate Muscular Aches and Pains Due to Exposure, Strains, Bruises, Colds, and Frost Bite.
Claims use since Nov. 7, 1936.

Ser. No. 387,573. BARICHEM LABORATORIES, Los Angeles, Calif. Filed Jan. 8, 1937.

BARICOL

For Ethical Preparation of Barium Sulphate and Refined Mineral Oil for the Treatment of Gastritis, Spastic Bowel, and Various Forms of Colitis.
Claims use since Apr. 7, 1936.

Ser. No. 388,381. A. AARONS CO. INC., New Orleans, La. Filed Feb. 1, 1937.

Dr. Sylvester's HYPO-LAX-SED

For Preparation for the Treatment of Spasmodic Colic in Horses and Mules.
Claims use since 1906.

Ser. No. 388,489. ALKA-FEDRIN LABORATORY, Los Angeles, Calif. Filed Feb. 3, 1937.

Alka-Fedrin

For Pharmaceutical Preparation for the Relief of Nasal Conjestion and Simple Irritations of the Nose and Throat.
Claims use since Jan. 10, 1935.

Ser. No. 388,494. ETABLISSEMENTS ANTOINE CHIRIS, COMPAGNIE DES PRODUITS AROMATIQUES CHEMIQUES ET MEDICINAUX, SOCIETE ANONYME, Paris, France. Filed Feb. 3, 1937.

CHRYSOVIS

For Veterinary Medicine for the Treatment of Diseases of the Sheep Family.
Claims use since May 27, 1936.

Ser. No. 388,793. NATIONAL OATS COMPANY, Cedar Rapids, Iowa, and East St. Louis, Ill. Filed Feb. 11, 1937.

LOATÉ

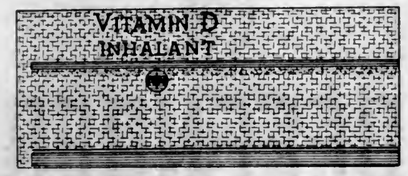
For Oatmeal Facial Lotion.
Claims use since Sept. 1, 1936.

Ser. No. 388,794. ROALD G. OFTEL, doing business as Pecto Laboratories, St. Paul, Minn. Filed Feb. 11, 1937.

PECTO

For Medicinal Preparation for the Treatment of Colds.
Claims use since Jan. 20, 1937.

Ser. No. 389,143. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif. Filed Feb. 19, 1937.



The notation "Vitamin D Inhalant" and the outline of the label are disclaimed apart from the mark.
For Nasal Inhalant.
Claims use since Feb. 1, 1937.

Ser. No. 389,271. CEDRIC STEGER, doing business as Servad Laboratories, New York, N. Y. Filed Feb. 23, 1937.



The words "Painless Pluck" are disclaimed apart from the mark.
For Chemical Preparation for the Aid of Eye-Brow Tweezing.
Claims use since Sept. 21, 1936.

Ser. No. 389,529. SAYGREEN INC., Cleveland, Ohio. Filed Mar. 1, 1937.



The word "Saygreen" is in the handwriting of the president of the corporation, Say M. Green.
For Lotion for the Treatment of Head Colds, Hay Fever, Sprains, Swelling, Neuritis, and all Forms of Rheumatic Aches and Pains.
Claims use since November, 1936.

Ser. No. 389,530. G. HAROLD SELLECK, doing business as The Oxygen Medicine Co., Long Island City, N. Y. Filed Mar. 1, 1937.

Diboticade

For Medicine Taken Internally for the Relief of Diabetes.
Claims use since Nov. 15, 1936.

Ser. No. 389,545. CRYSTEX LABORATORIES, INC., Charlton, Iowa. Filed Mar. 2, 1937.

BILLO SHAMPOO

The word "Shampoo" is disclaimed apart from the mark.
For Shampoo.
Claims use since Jan. 7, 1937.

Ser. No. 389,800. SPENCER W. SEERY, doing business as Borophenique Co., Baltimore, Md. Filed Mar. 8, 1937.

Boro Phenique

For Gargle, Mouth Wash, and Nasal Spray.
Claims use since Apr. 3, 1920.

Ser. No. 389,860. EAGLE DRUGGISTS SUPPLY CO. INC., New York, N. Y. Filed Mar. 2, 1937.



The words "Styptic Powder" and the representation of the label are disclaimed apart from the mark as shown.
For Styptic Powder.
Claims use since February, 1935.

Ser. No. 389,919. RENÉE LACOSTE, Detroit, Mich. Filed Mar. 11, 1937.

DUCHESS OF WINDSOR

For Perfumes.
Claims use since Mar. 6, 1937.

Ser. No. 389,930. MICRONIZER PROCESSING COMPANY, INC., Camden, N. J. Filed Mar. 11, 1937.

MICRONIZED

For Insecticides and Fungicides.
Claims use since Feb. 17, 1937.

Ser. No. 389,951. JOHN ZIMMER, doing business as Priceless Products Company, West Palm Beach, Fla. Filed Mar. 11, 1937.

AUNTY BURNS



For Preparation for the Treatment of Burns and Sunburn.
Claims use since November, 1935.

Ser. No. 390,025. RIEDEL-DE-HAEN, INC., New York, N. Y. Filed Mar. 13, 1937.

SIGMODAL

For Hypnotic Agent for Rectal Administration.
Claims use since Aug. 10, 1936.

Ser. No. 390,105. ZINSSER & CO., INC., Hastings-on-Hudson, N. Y. Filed Mar. 15, 1937.

ALIZACHROME

For Dyestuffs.
Claims use since Nov. 16, 1936.

Ser. No. 390,190. THE BARRETT COMPANY, New York, N. Y. Filed Mar. 18, 1937.

S.D.O.

For Oil Used in the Processing and Treatment of Rubber, Particularly in Compounding and Reclaiming Rubber.
Claims use since Sept. 22, 1936.

Ser. No. 390,193. BUTLER BROTHERS, doing business as Randolph Laboratories, Chicago, Ill. Filed Mar. 18, 1937.



DEFENDER

For Deodorants, Insecticides, and Moth Repellents.
Claims use since Jan. 15, 1937.

Ser. No. 390,242. LOUIS ALBERT SAMSTAG, New York, N. Y. Filed Mar. 18, 1937.

DUCHESS OF WINDSOR

For Cosmetics—Namely, Lipstick, Face Powder, Body Powder, Creams for Application to the Skin, Rouge in Powder and Paste Form, Perfume, Toilet Water, Cologne, Mascara in Solid and Liquid Form, Nail Polish, Nail Polish Remover, Eye Shadow, Eyebrow Pencils, Shampoo, Hair Tonic, Brilliantine, Wave-Setting Oil, Cuticle Remover, Eye Drops, Hair Coloring, Hand Creams.
Claims use since Feb. 4, 1937.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 390,014. AMERICAN PULLMATCH CORPORATION, Piqua, Ohio. Filed Mar. 13, 1937.



For Matches.
Claims use since June 26, 1936.

CLASS 11

Inks and Inking Materials

Ser. No. 390,107. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Mar. 13, 1937.

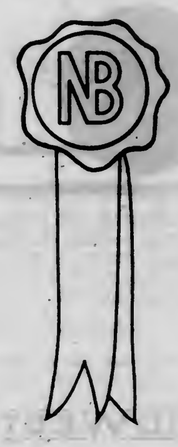
MONASTRAL

For Pigments for Inks.
Claims use since Aug. 25, 1936.

CLASS 12

Construction Materials

Ser. No. 387,511. NICKEY BROTHERS, INC., Memphis, Tenn. Filed Jan. 6, 1937.



For Hardwood Veneer.
Claims use since June 19, 1935.

Ser. No. 390,203. FRANCIS H. EARLY, Hubbard Woods, Ill. Filed Mar. 18, 1937.

EARLITE

For Acoustic and Thermal Insulation Material.
Claims use since Mar. 1, 1937.

Ser. No. 390,216. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Mar. 18, 1937.

D O B

For Heat Insulation Material, Particularly Insulating Refractory Bricks.
Claims use since Dec. 9, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 388,963. GEORGE A. TINNERMAN, Cleveland, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio. Filed Feb. 15, 1937.

"SPEED CLIP"

The word "Clip" is disclaimed apart from the mark.
For Locking Clips.
Claims use since Dec. 15, 1932.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 389,863. ALUMINUM COMPANY OF AMERICA, Pittsburgh, Pa. Filed Mar. 10, 1937.



For Aluminum Sand Mold and Permanent Mold Castings, Aluminum Billets and Ingots, Aluminum Forgings and Extruded Shapes, Aluminum Foil and Sheet, Aluminum Solder, and Granulated Aluminum.
Claims use since Feb. 20, 1937.

Ser. No. 390,125. MIDWEST METAL STAMPING COMPANY, Kellogg, Iowa. Filed Mar. 16, 1937.

MIDWEST

For Miscellaneous Metal Stampings.
Claims use since 1926.

CLASS 15

Oils and Greases

Ser. No. 389,755. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 6, 1937.

SOVAC

For Petroleum Oils and Greases for Burning, Lubricating, and Various Uses in the Industrial Arts.
Claims use since Jan. 25, 1937.

Ser. No. 390,232. PARAGON OIL COMPANY, INC., Brooklyn, N. Y. Filed Mar. 18, 1937.

Paradiesel

For Liquid Fuel for Compression Ignition Motors.
Claims use since June 1, 1935.

Ser. No. 390,237. PARAGON OIL COMPANY, INC., Brooklyn, N. Y. Filed Mar. 18, 1937.

Paramarine

For Lubricating Oils, Motor Oils, and Marine Oils.
Claims use since Nov. 7, 1935.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 375,202. DISPLAY MANUFACTURING COMPANY, Denver, Colo. Filed Feb. 25, 1936.

Motialite

For Electric Display Signs.
Claims use since January, 1932.

Ser. No. 382,736. WINCHARGER CORPORATION, Sioux City, Iowa. Filed Aug. 29, 1936.

HI-WAY WINCHARGER

For Prime-Mover-Driven Electric Generator Combinations, Including Wind-Driven and Engine-Driven Electric Generator Combinations.
Claims use since Aug. 11, 1936.

Ser. No. 387,620. CLIFTON MANUFACTURING CO., INC., Boston, Mass. Filed Jan. 9, 1937.

ACE

For Electric Insulation Tape.
Claims use since August, 1931.

Ser. No. 388,643. JAMES R. KEARNEY CORPORATION, St. Louis, Mo. Filed Feb. 8, 1937.

TRIP-O-DISCONNECT

The words "Trip" and "Disconnect" are disclaimed apart from the mark.
For Fuse Switches.
Claims use since Dec. 17, 1936.

Ser. No. 389,474. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed Feb. 27, 1937.

MAGIC KEY

For Radio Receiving Sets and Parts Thereof.
Claims use since Feb. 11, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 386,389. LOUIS N. SARAS, Hazleton, Pa. Filed Dec. 5, 1936.

9-PLEX

For a So-Called Home or Domestic Type Game for Table Use, Said Game Comprising a Game Board or Equivalent Space Preferably Printed to Include an Ornamental Frame Surrounding a Charted Playing Area, the Playing Area Being of Multi-Colored Form and Including Interconnected Numerically Distinguished Paths for Reception of Blocks or Playing Pieces Alternately Placed Thereon and to Be Moved in Accordance with Prescribed Rules.
Claims use since Sept. 18, 1936.

Ser. No. 386,630. BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky. Filed Dec. 11, 1936.



For Juvenile Velocipedes, Wagons, Scooters, Automobiles, and Sleds.
Claims use since Aug. 14, 1931.

Ser. No. 389,500. WALTER T. CARROLL, Springfield Gardens, N. Y. Filed Mar. 1, 1937.



The representation of the baseballs is disclaimed except as shown.
For Indoor Game of Chance Employing Colored Wooden Balls in a Container and Adapted for Use in Playing a Game of Simulated Baseball.
Claims use since Jan. 7, 1936.

Ser. No. 389,548. DUNLOP TIRE AND RUBBER CORPORATION, Buffalo, N. Y. Filed Mar. 2, 1937.



For Golf Clubs.
Claims use since Mar. 6, 1935.

Ser. No. 389,549. DUNLOP TIRE AND RUBBER CORPORATION, Buffalo, N. Y. Filed Mar. 2, 1937.



For Golf Clubs.
Claims use since Jan. 6, 1936.

Ser. No. 389,602. VERNON BRUBAKER, Adel, Iowa. Filed Mar. 3, 1937.



The words "Wood Wheels" are disclaimed as apart from the mark as shown.
For Toy Wheels.
Claims use since Feb. 20, 1937.

Ser. No. 390,098. A. G. SPALDING & BROS., New York, N. Y. Filed Mar. 15, 1937.



For Golf Balls.
Claims use since Mar. 3, 1937.

Ser. No. 390,099. A. G. SPALDING & BROS., New York, N. Y. Filed Mar. 15, 1937.

UGLY DUCKLING

For Golf Balls.
Claims use since Mar. 3, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 382,404. WALGREEN CO., Chicago, Ill. Filed Aug. 20, 1936.

LUXURY

For Razor Blades.
Claims use since Aug. 7, 1936.

Ser. No. 383,870. BUFFALO FIRE APPLIANCE CORPORATION, Buffalo, N. Y. Filed Oct. 2, 1936.



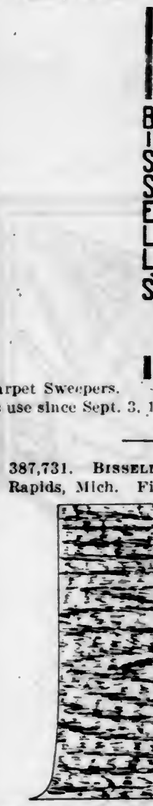
The words "Buffalo, N. Y.", are disclaimed apart from the mark.
For Complete and Parts of Vehicular and Portable Hand Mechanical Fire Extinguishers Capable of Being Charged with Water, Carbon Tetrachloride, Soda and Acid, Carbon Dioxide and Foam Producing Chemicals; Fire Ladders and Straps Therefor; Motor Driven Vehicular Fire Fighting Apparatus Comprising Pumpers, Service Trucks, Quadruples, Combinations, Ladder Trucks, and Parts Thereof; and Axes.
Claims use since 1922.

Ser. No. 387,271. DURAMETALLIC CORPORATION, Kalamazoo, Mich. Filed Dec. 30, 1936.

DURA HOOKS

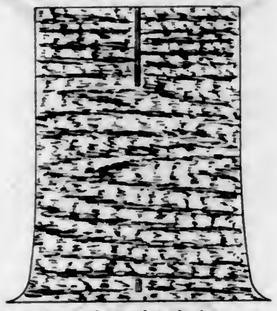
The word "Hooks" is disclaimed apart from the mark.
For Tool for Removing Packings for Shafts, Rods, and the Like From Their Boxes or Packing Glands.
Claims use since Feb. 11, 1935.

Ser. No. 387,730. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Jan. 13, 1937.



For Carpet Sweepers.
Claims use since Sept. 3, 1936.

Ser. No. 387,731. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Jan. 13, 1937.



The trade-mark consists of a design or panel substantially rectangular in shape but slightly flared at one end and having a broken red stripe thereacross.
For Carpet Sweepers.
Claims use since Sept. 3, 1936.

Ser. No. 389,517. THE GLEASON WORKS, Rochester, N. Y. Filed Mar. 1, 1937.

DUOCENTRIC

For Gear Cutting Tools and Blades Therefor.
Claims use since Feb. 12, 1937.

Ser. No. 390,046. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Mar. 15, 1937.

BILLY & ERNIE

For Safety Razor Blades.
Claims use since Mar. 11, 1937.

Ser. No. 390,047. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Mar. 15, 1937.

COMMUNITY

For Safety Razor Blades.
Claims use since Mar. 11, 1937.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 385,099. INTERNATIONAL FILMBOOK CORPORATION, New York, N. Y. Filed Nov. 3, 1936.

Filmbook

For Photographic Cameras and Parts Thereof, Still and Motion Picture Projectors, Films, Film Magazines, Lenses, Projection Lamps, and Replacement Parts for Both Still and Motion Picture Projectors.
Claims use since August, 1934.

Ser. No. 385,469. BACHARACH INDUSTRIAL INSTRUMENT COMPANY, Pittsburgh, Pa. Filed Nov. 13, 1936.

draft -rite

For Draft Gauges.
Claims use since Oct. 26, 1935.

Ser. No. 388,628. UNIVERSAL OPTICAL CORPORATION, Providence, R. I. Filed Feb. 6, 1937.

C-PLANE

For Opthalmic Mountings.
Claims use since Nov. 12, 1936.

Ser. No. 388,780. JUNIUS F. KREHBIEL, Pataskala, Ohio. Filed Feb. 11, 1937.

PYROCONES

For Pyrometric Cones.
Claims use since Mar. 28, 1935.

Ser. No. 389,902. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Mar. 11, 1937.

ISEIKONIC

For Ophthalmic Lenses and Blanks for Ophthalmic Lenses.
Claims use since Nov. 22, 1934.

Ser. No. 389,978. EUGENE DIETZGEN CO., Chicago, Ill. Filed Mar. 12, 1937.

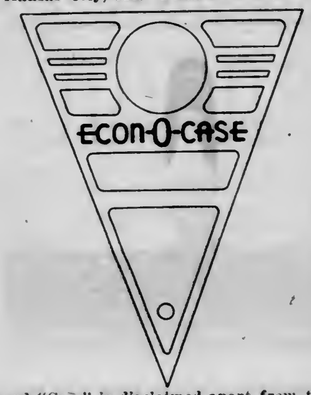
GLOBE

For Drawing and Measuring Instruments—Namely, Pens, Compasses, T-Squares, Triangles, Protractors, Straight Edges, Curves, Drawing, Measuring Tapes, Scales, and Plumb Bobs.
Claims use since March, 1916.

CLASS 31

Filters and Refrigerators

Ser. No. 389,292. THE KOCH BUTCHERS' SUPPLY CO., North Kansas City, Mo. Filed Feb. 23, 1937.



The word "Case" is disclaimed apart from the mark.
For Refrigerated Display Cases, Cooling Safes, and Refrigerators for the Preservation of Foodstuffs.
Claims use since Dec. 29, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 383,564. AMERICAN AUTO-FELT CORPORATION, Grand Rapids, Mich. Filed Sept. 24, 1936.

Rest Master

For Mattresses.
Claims use since Mar. 13, 1936.

Ser. No. 387,524. UNITED STATES CABINET BED CO., Brooklyn, N. Y. Filed Jan. 6, 1937.

BED-HI DAVENTWIN

The term "Bed-Hi" is disclaimed apart from the mark.
For Beds.
Claims use since June, 1934.

Ser. No. 387,906. S. KARPEN & BROS., Chicago, Ill. Filed Jan. 18, 1937.

The Aristocrat

For Living Room Chair.
Claims use since Jan. 4, 1937.

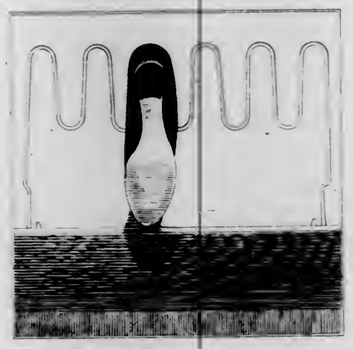
Ser. No. 388,223. BABY BATHINETTE CORPORATION, Rochester, N. Y. Filed Jan. 27, 1937.

"BATHINETTE"

For Infants' and Nursery Furniture, Particularly Infants' Dressing Stands, Infants' Play Pens, Draught-Proof Inserts for Infants' Play Pens, Canopy Tops for Infants' Play Pens, Infants' Portable Bathing Devices, Shower Enclosures for Infants' Portable Bathing Devices, and Hammocks for Infants' Portable Bathing Devices.
Claims use since January, 1919.

Ser. No. 388,282. FLORENCE E. SANDERS, Pasadena, Calif. Filed Jan. 28, 1937.

TRADE MARK
F. E. S.



The representations of the goods and shoe and the words "Trade Mark" are disclaimed apart from the mark.
For Shoe Holders and Shoe Racks Made of Wire or Similar Material and of a Character Used by Women in Their Boudoir Closets.
Claims use since Jan. 20, 1937.

CLASS 33

Glassware

Ser. No. 388,648. C. & E. MARSHALL CO., Chicago, Ill. Filed February 8, 1937.

CIRCLE BRAND

The word "Brand" is disclaimed apart from the mark.
For Watch Crystals.
Claims use since November, 1935.

Ser. No. 389,001. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Feb. 16, 1937.

Heirloom Art

For Glassware—Namely, Bowls, Vases, Plates, Cups, Saucers, Sugar Bowls, Cream Pitchers, Relish Dishes, Platters, Tumblers, Goblets, Sherbet Glasses, Claret Glasses, Wine Glasses, Cordial Glasses, Whiskey Glasses, Cocktail Glasses, Finger Bowls and Finger Bowl Plates.
Claims use since Jan. 21, 1937.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 389,238. ESCONDIDO SHEET METAL WORKS, Escondido, Calif. Filed Feb. 23, 1937.

CRAFTBILT

For Oil Burning Domestic Heating Furnaces.
Claims use since Nov. 20, 1936.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 369,000. AMERICAN COOLER CO., INC., New York, N. Y. Filed Sept. 5, 1935.

FLEX-PIPE

The word "Pipe" is disclaimed apart from the mark.
For Flexible Metal Hose for Use in Beer Dispensing Equipment.
Claims use since October, 1933.

CLASS 36

Musical Instruments and Supplies

Ser. No. 388,205. PLAROLA CORPORATION, Easton, Md. Filed Jan. 26, 1937.

PLAROLA

For Player Harmonicas, These Being Mouth Blown Musical Instruments Which Are Played by Passing a Perforated Music Strip Over the Note Openings of an Enclosed Harmonica.
Claims use since Oct. 15, 1936.

CLASS 37

Paper and Stationery

Ser. No. 383,746. OREGON-WASHINGTON PEAR BUREAU, Seattle, Wash. Filed Sept. 28, 1936.



The representation of the pear and the words "Quality Pears" are disclaimed apart from the mark.
For Pear Wrappers Sold as Such.
Claims use since July 28, 1936.

Ser. No. 386,572. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Dec. 7, 1936.

Northern Handy TOWELS

The words "Handy Towels" are disclaimed apart from the mark.
For Paper Towels.
Claims use since Dec. 23, 1932.

Ser. No. 386,574. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Dec. 7, 1936.

Northern SERVICE ROLL

The words "Service Roll" are disclaimed apart from the mark.
For Toilet Paper.
Claims use since Jan. 30, 1934.

Ser. No. 387,914. MENASHA PRODUCTS COMPANY, Menasha, Wis. Filed Jan. 18, 1937.

Prestix

For Stickers, Tabs, Tags, Blank Price Tags, Paper Tape and Mounters Having a Sensitive to Pressure Adhesive Coating Thereon.
Claims use since Dec. 30, 1936.

CLASS 38

Prints and Publications

Ser. No. 382,355. J. DAVID HOUSER, doing business as The Houser Associates, New York, N. Y. Filed Aug. 19, 1936.

THE COUNCIL OF CUSTOMERS

For Publications Including Subject-Matter Appertaining to the Merchandising, Wholesaling, and Retailing Industry Published from Time to Time.
Claims use since Aug. 12, 1936.

Ser. No. 383,307. WILLARD B. GOLOVIN, INC., New York, N. Y. Filed Sept. 16, 1936.

FASHION HIGHLIGHTS IN THE NEWS!*

For Periodical Publication.
Claims use since Aug. 11, 1936.

Ser. No. 388,174. THE AMERICAN TRAVELER, INC., New York, N. Y. Filed Jan. 25, 1937.

Travelore

For Periodical.
Claims use since March, 1936.

Ser. No. 388,820. SUN PUBLICATIONS, INC., Chicago, Ill. Filed Feb. 9, 1937.

10 STORY BOOK

For Magazines.
Claims use since June 1, 1901.

Ser. No. 388,838. JEFFERSON STANDARD LIFE INSURANCE COMPANY, Greensboro, N. C. Filed Feb. 12, 1937.



For Column in a Monthly Publication Entitled "The Jeffersonian".
Claims use since Jan. 1, 1937.

Ser. No. 389,146. THOMAS F. OGILVIE, doing business as The Political Digest, Jersey City, N. J. Filed Feb. 19, 1937.

The Political Digest

For Periodical Publication.
Claims use since Feb. 10, 1937.

Ser. No. 389,811. FRANKLIN WOODRUFF, New York, N. Y. Filed Mar. 8, 1937.

MOTHER'S SILENT HELPER

For Motto Cards Sold in Sets and Individually.
Claims use since Mar. 3, 1937.

Ser. No. 389,817. INNIS BROMFIELD, Greenwich, Conn. Filed Mar. 9, 1937.

THE COAST

For Publication Issued Periodically.
Claims use since Mar. 3, 1937.

Ser. No. 389,925. JOE LOWE CORPORATION, New York, N. Y. Filed Mar. 11, 1937.

STICKS AND STOPS

For Monthly Publication.
Claims use since Feb. 26, 1937.

Ser. No. 389,947. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Mar. 11, 1937.

People of the Week

For Sections of Periodical Publications.
Claims use since Mar. 8, 1937.

Ser. No. 390,012. AFFILIATED ENTERPRISES, INC., Denver, Colo. Filed Mar. 13, 1937.

BANK NIGHT

For Periodicals.
Claims use since Nov. 15, 1933.

Ser. No. 390,031. J. WALTER THOMPSON COMPANY, New York, N. Y. Filed Mar. 13, 1937.

PEOPLE

For Monthly Magazine.
Claims use since Feb. 20, 1937.

Ser. No. 390,122. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Mar. 16, 1937.

Prince Valiant

For Cartoons.
Claims use since Feb. 13, 1937.

Ser. No. 390,138. REEDER AND HEWITT, Lorton, Va. Filed Mar. 16, 1937.

CHARLIE HORSE

For Cartoon Strips.
Claims use since Mar. 16, 1937.

Ser. No. 390,170. JEANNETTE KULICK, doing business as Mills Jewelers, Niagara Falls, N. Y. Filed Mar. 17, 1937.

CREDITERIA

For Merchandise Coupons.
Claims use since Feb. 20, 1937.

CLASS 39

Clothing

Ser. No. 375,174. SAQUI & CO., INC., New York, N. Y. Filed Feb. 24, 1936.

Sportsembles

For Ladies' and Misses' Sportswear—Namely, Play Suits and Culottes.
Claims use since Jan. 10, 1936.

Ser. No. 375,353. C. B. SLATER COMPANY, South Braintree, Mass. Filed Feb. 28, 1936.

C.B.Slater SUPERIORS

"C. B. Slater" is in the handwriting of C. B. Slater, applicant's president. The word "Superiors" is disclaimed apart from the mark.
For Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof for Men, Women, and Children.
Claims use since Feb. 7, 1936.

Ser. No. 382,809. SCHLOSS BROS. & CO., INC., Baltimore, Md. Filed Sept. 1, 1936.

TROPIC WATE

For Men's and Young Men's Wearing Apparel—Namely, Suits, Coats, Vests, Trousers, Knickers, Full Dress Suits, Tuxedos; and Coats, Vests and Trousers Classed as Sports Wear; Slacks, Raincoats, Overcoats, Top Coats, Wind Breakers, Leather Jackets, Sweaters; Men's and Boys' Dress, Negligee and Work Shirts; Underwear; Hats and Caps; Hosiery; Neckties, Scarfs and Mufflers; Gloves Made of Rubber, Leather, and Fabrics, and/or Combinations Thereof; Bath Robes and Lounging Robes.
Claims use since Dec. 17, 1928.

Ser. No. 384,175. THE WEISBAUM BROS., BROWER COMPANY, Cincinnati, Ohio. Filed Oct. 9, 1936.



For Dress Shirts, Pajamas, Lounging and Bath Robes, Undershirts, Shorts, Handkerchiefs, and Union Suits.
Claims use since Sept. 24, 1936.

Ser. No. 385,160. TENOVA LTD., London, England. Filed Nov. 4, 1936.

TENOVA

For Knitted Stockings and Socks.
Claims use since Sept. 20, 1929.

Ser. No. 386,760. AL B. COHEN, doing business as Al's Work and Sport Store, Altoona, Pa. Filed Dec. 15, 1936.

MOUNTAIN SIDE

RUGGED AS A MOUNTAIN

The word "Rugged" is disclaimed apart from the mark.
For Overalls, Work and Dress Trousers, Hunting Clothes—Namely, Caps, Coats, Breeches, Pants, and Vests, Men's and Boy's Underwear, Outer and Under Shirts, and Riding Clothes—Namely, Ladies' and Men's Riding Coats, Breeches, and Jodhpur Pants.
Claims use since July 1, 1935.

Ser. No. 386,900. MASON SHOE MANUFACTURING COMPANY, Chippewa Falls, Wis. Filed Dec. 18, 1936.



The representation of a shoe and the words "Extra Cushion Insole" are disclaimed apart from the mark.
For Footwear Made Wholly or Partly of Leather—Namely, Shoes, Oxfords, Slippers, Boots, and Work Shoes.
Claims use since Nov. 3, 1932.

Ser. No. 387,072. JENCO BROTHERS, INC., Paterson, N. J. Filed Dec. 23, 1936.

Dixie

For Rubber Heels.
Claims use since Mar. 1, 1935.

Ser. No. 388,152. SUN-VALLEY MANUFACTURING CO., Boston, Mass. Filed Jan. 25, 1937.

SUN-VALLEY Mfg. Co.

For Ski and Other Sports Suits for Both Men and Women—Namely, Woolen Jackets, Pants, Shirts, Parkas, Gaiters, Caps, and Hats; Canvas Ski Clothing—Namely, Gaiters, Parkas, Jackets, Breeches, Pants, Caps, Packs, and Gloves; Also Leather Sport Jackets, Riding Breeches, and Uniforms—Namely, Military, Navy, Band, Drum Corps, School, Police, and Fire Uniforms.
Claims use since Jan. 1, 1937.

Ser. No. 388,196. KINGSBORO SILK MILLS, INC., Gloversville, N. Y. Filed Jan. 26, 1937.

TIFFANIQUE
By ROGERS

The words "By Rogers" are disclaimed apart from the mark.
For Ladies' and Children's Knitted Vests, Bloomers, Panties, Night Gowns, and Pajamas.
Claims use since July 1, 1932.

Ser. No. 388,644. KNOTHE BROS. CO., INC., New York, N. Y. Filed Feb. 8, 1937.

El Gaucho Belt

The word "Belt" is disclaimed apart from the mark.
For Men's Belts.
Claims use since Jan. 1, 1937.

Ser. No. 388,654. MILIUS SHOE COMPANY, St. Louis, Mo. Filed Feb. 8, 1937.

Miliusway HANDFASHIONED

The words "Hand Fashioned" are disclaimed apart from the mark.
For Women's Shoes Made of Leather, Rubber, Fabric, or Combinations of These Materials.
Claims use since Jan. 1, 1935.

Ser. No. 389,609. HOOD RUBBER COMPANY, INC., Wilmington, Del., and Watertown, Mass. Filed Mar. 3, 1937.

RUBAFLEX

For Rubber Boots and Shoes, Rubber Overshoes, and Rubber-Soled Canvas Shoes.
Claims use since Jan. 14, 1937.

Ser. No. 389,720. BUTLER BROTHERS, Chicago, Ill. Filed Mar. 6, 1937.

2-FISTED



For Gloves and Mittens Made of Leather, Fabric, Rubber, and Combinations Thereof.
Claims use since Jan. 6, 1937.

Ser. No. 390,093. L. SILVERMAN FROCKS, INC., New York, N. Y. Filed Mar. 15, 1937.

LYNETTE JUNIOR

For Ladies' Dresses.
Claims use since Dec. 15, 1936.

Ser. No. 390,269. FASHION PARK MANUFACTURING CORPORATION, Rochester, N. Y. Filed Mar. 19, 1937.

PARK-E-ASE

For Coats, Vests, Pants, and Overcoats for Men and Boys.
Claims use since Mar. 1, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 375,749. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Mar. 9, 1936.

Permacrush

For Rayon Pile Fabrics in the Piece.
Claims use since Feb. 21, 1936.

Ser. No. 389,347. CHOPAK TEXTILE COMPANY, INC., New York, N. Y. Filed Feb. 25, 1937.

TWILL-O-RAY

The word "Twill" is disclaimed apart from the mark.
For Plain and Printed Rayon and Acetate Cloth in the Piece.
Claims use since January, 1932.

Ser. No. 389,405. JOHN S. CLEMENT CO., INC., New York, N. Y. Filed Feb. 26, 1937.

CLEMENTELLE

For Upholstery and Drapery Fabrics in the Piece of Silk, Rayon, Linen, and Cotton.
Claims use since Nov. 18, 1935.

Ser. No. 389,412. LOUIS FABRIKANT, doing business as Louis Fabrikant Co., New York, N. Y. Filed Feb. 26, 1937.

Swaggerdown

For Knitted, Rayon Fabrics in the Piece.
Claims use since Apr. 4, 1936.

Ser. No. 389,430. OXYZN COMPANY, New York, N. Y. Filed Feb. 26, 1937.

Aseptipile

For Piece Goods of Mixed Wool and Cotton for Powder Puffs and the Like.
Claims use since Feb. 15, 1937.

Ser. No. 389,431. OXYZN COMPANY, New York, N. Y. Filed Feb. 26, 1937.

Aseptifab

For Piece Goods of Mixed Wool and Cotton for Powder Puffs and the Like.
Claims use since Feb. 15, 1937.

Ser. No. 389,526. RAYNIT MILLS, West New York, N. J. Filed Mar. 1, 1937.

Dew Drop

For Knitted Piece Goods.
Claims use since Feb. 10, 1937.

Ser. No. 389,558. JULIUS GUTMAN & CO., INC., Baltimore, Md. Filed Mar. 2, 1937.

PAR LEX

For Sheets, Pillow Cases, Bedspreads, and Blankets.
Claims use since Feb. 11, 1937.

Ser. No. 389,600. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Mar. 3, 1937.

Chinchillam

For Pile Fabrics in the Piece.
Claims use since Feb. 25, 1937.

Ser. No. 389,621. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 3, 1937.

VELVEDOWN

For Textile Fabrics Including Shaker Flannel.
Claims use since spring of 1921.

Ser. No. 389,728. DYERSBURG COTTON PRODUCTS, INC., Dyersburg, Tenn. Filed Mar. 6, 1937.

KOZYWOOL

For Piece Goods Embodying a Mixture of Wool and Cotton.
Claims use since Feb. 4, 1937.

Ser. No. 389,830. J. LIBERMAN & SON, INC., New York, N. Y. Filed Mar. 9, 1937.



The words "Linings" and "Everwear" are disclaimed except as shown.
For Piece Goods—Namely, Linings Composed Wholly or in Part of Silk or Rayon.
Claims use since Mar. 9, 1936.

Ser. No. 389,880. HUB QUILT MFG. CO., Boston, Mass. Filed Mar. 10, 1937.

HUB QUILT

The word "Quilt" is disclaimed apart from the mark.
For Bed Comforters, Spreads, Pillows, and Covers for the Same.
Claims use since July 15, 1918.

Ser. No. 389,946. UNITED ELASTIC CORPORATION, Easthampton, Mass. Filed Mar. 11, 1937.

FLOX E LOX

For Elastic Webbing.
Claims use since Feb. 19, 1937.

CLASS 43

Thread and Yarn

Ser. No. 389,460. GLORIA YARN COMPANY, Philadelphia, Pa. Filed Feb. 27, 1937.

Embassy Yarns

The word "Yarn" is disclaimed apart from the mark.
For Yarn.
Claims use since Nov. 24, 1936.

Ser. No. 389,589. HARRAP BROS. (SIRDAR WOOLS) LIMITED, Alverthorpe and Alverthorpe, Wakefield, England. Filed Mar. 1, 1937.



For Yarns of Wool, Worsted, or Hair and Yarns of Wool and Artificial Silk.
Claims use since 1934.

Ser. No. 389,590. HARRAP BROS. (SIRDAR WOOLS) LIMITED, Alverthorpe and Alverthorpe, Wakefield, England. Filed Mar. 1, 1937.

SIRDAR

For Yarns of Wool, Worsted, or Hair and Yarns of Wool and Artificial Silk.
Claims use since 1898.

Ser. No. 390,070. HURLEY-JOHNSON CORPORATION, New York, N. Y. Filed Mar. 15, 1937.

JASKAM

For Sewing Thread.
Claims use since Feb. 15, 1927.

Ser. No. 390,071. HURLEY-JOHNSON CORPORATION, New York, N. Y. Filed Mar. 15, 1937.

HURJON

For Sewing Thread.
Claims use since July 1, 1928.

Ser. No. 390,072. HURLEY-JOHNSON CORPORATION, New York, N. Y. Filed Mar. 15, 1937.

KAMJAS

For Sewing Thread.
Claims use since Mar. 21, 1927.

Ser. No. 390,073. HURLEY-JOHNSON CORPORATION, New York, N. Y. Filed Mar. 15, 1937.

HURJAS

For Sewing Thread.
Claims use since July 1, 1928.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 387,356. TEA GARDEN PRODUCTS CO., San Francisco, Calif. Filed Dec. 31, 1936.



The words "Hi-Est Quality" are disclaimed apart from the mark.
For Grape Juice.
Claims use since Sept. 9, 1936.

Ser. No. 388,416. JOHN Z. SCHONHOFF, doing business as 11 Up Bottling Company, Baltimore, Md. Filed Feb. 1, 1937.

11 UP

For Non-alcoholic, Non-cereal, Maltless Beverages, Sold as Soft Drinks, Mixer, and Syrups, Extracts, and Flavors Used in Making Same.
Claims use since Jan. 2, 1937.

Ser. No. 389,123. FITGER BREWING COMPANY, Duluth, Minn. Filed Feb. 19, 1937.



The words "Soda" and "You Canna Beat It" are disclaimed apart from the mark.
For Non-Alcoholic Maltless Beverages.
Claims use since Sept. 12, 1936.

Ser. No. 389,277. TOM TUCKER BEVERAGE COMPANY, Pittsburgh, Pa. Filed Feb. 23, 1937.

Vox

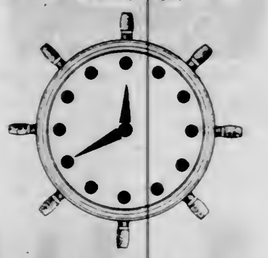
For Non-Alcoholic, Maltless, Carbonated, and Uncarbonated Beverages Sold as Soft Drinks and Syrups and Extracts Used in Making the Same.
Claims use since July 1, 1936.

Ser. No. 389,696. PURE WATER SERVICE CORPORATION OF WESTCHESTER COUNTY, Hastings on Hudson, N. Y. Filed Mar. 5, 1937.

PUROLAX

For Natural Spring Mineral Water.
Claims use since January, 1937.

Ser. No. 389,751. SAND SPRINGS CORPORATION, Williamstown, Mass. Filed Mar. 6, 1937.



EIGHT BELLS

For Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since October, 1936.

Ser. No. 390,142. L. STEINBERGER & SONS, INC., Jersey City, N. J. Filed Mar. 16, 1937.

TEN PINT

For Nonalcoholic, Noncereal, Maltless Beverages, Sold as Soft Drinks, and Sirups and Extracts for Making the Same.
Claims use since January, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 375,891. JOE LOWE CORPORATION, New York, N. Y. Filed Mar. 12, 1936.

FRUIT-SICLE

The word "Fruit" is disclaimed apart from the mark.
For Frozen Confections.
Claims use since Feb. 7, 1936.

Ser. No. 376,710. H. C. BAXTER & BRO., also doing business as Baxter Bros. Co., Snowflake Canning Company, Augusta Canning Company, and Maine Canned Foods, Inc., Brunswick, Maine. Filed Apr. 2, 1936.

MORNING SUN

For Canned Corn, Peas, Carrots, Shelled Beans, and Fresh Horticultural Beans.
Claims use since Oct. 8, 1929.

Ser. No. 383,197. GUY WALTER LINDSAY, New York, N. Y. Filed Sept. 11, 1936.

SNOW CRISP ENDIVE

The words "Crisp" and "Endive" are disclaimed apart from the mark.
For Fresh Vegetable—Namely, Endives, Otherwise Known as Chicory.
Claims use since March, 1936.

Ser. No. 385,105. THE MOHICAN COMPANY, New York, N. Y. Filed Nov. 3, 1936.

MOHICAN

For Tomato Catsup, Horseradish, Mayonnaise, Sandwich Spread, Salad Dressing, Marshmallows, Potato Salad, Noodles, Macaroni, Spaghetti, Salt, Spices, Evaporated Milk, Canned Vegetables, Coffee, Olives, Jams and Jellies, Apple Butter, Mincemeat, Cornstarch, Tea, Tea Balls, Peanut Butter, Wheat Flour, Bacon, Butter, Fruit Cake, Fresh Dressed Turkey.
Claims use since 1896.

Ser. No. 386,179. THE J. SPANG BAKING COMPANY, Cleveland, Ohio. Filed Dec. 1, 1936.

47 PLUS

For Bread.
Claims use since Mar. 21, 1936.

Ser. No. 386,180. THE J. SPANG BAKING COMPANY, Cleveland, Ohio. Filed Dec. 1, 1936.



The portrait is fanciful.
For Bread, Cakes, Coffee Cakes, Rolls, and Pastry.
Claims use since Oct. 5, 1936.

Ser. No. 386,427. HOYDEN FOOD PRODUCTS CORPORATION, Monterey, Calif. Filed Dec. 7, 1936.

MONTE-REY MAID

For Canned Sardines.
Claims use since May 10, 1932.

Ser. No. 386,604. BESSIE E. SMITH, doing business as Applegate Creamery, Applegate, Mich. Filed Dec. 10, 1936.



For Creamery Butter.
Claims use since Aug. 1, 1923.

Ser. No. 387,025. CENTENNIAL FLOURING MILLS COMPANY, Seattle, Wash. Filed Dec. 22, 1936.

MILK LOAF

For Wheat Flour.
Claims use since July, 1917.

Ser. No. 387,146. FRED D. SPANIER, Brooklyn, N. Y. Filed Dec. 24, 1936.

SPANIER'S



Clover Bars

The word "Bars" is disclaimed apart from the mark.
For Butter.
Claims use since June 15, 1936.

Ser. No. 387,977. BIRELEY'S, INC., Hollywood, Calif. Filed Jan. 21, 1937.

CITRO-FLASH

For Fruit Juices for Food Purposes.
Claims use since Jan. 4, 1937.

Ser. No. 387,979. BIRELEY'S, INC., Hollywood, Calif. Filed Jan. 21, 1937.

VAPRO-VAC

For Fruit Juices for Food Purposes.
Claims use since Jan. 16, 1936.

Ser. No. 388,233. THE ILLINOIS CANNING CO., Hoopeston, Ill. Filed Jan. 27, 1937.

Baby Bunting

For Canned Vegetables.
Claims use since 1893.

Ser. No. 388,582. JOE LOWE CORPORATION, New York, N. Y. Filed Feb. 5, 1937.

TWINSICLE

For Frozen Confections.
Claims use since Jan. 27, 1937.

Ser. No. 388,603. WILLIAMSON CANDY COMPANY, Chicago, Ill. Filed Feb. 5, 1937.

Butta Crunch

For Sandwich Filler Composed of Peanut Butter and Whole Chopped Roasted Peanuts.
Claims use since Jan. 21, 1937.

Ser. No. 388,797. PROVIDENCE PUBLIC MARKET COMPANY, Providence, Pawtucket and Woonsocket, R. I. Filed Feb. 11, 1937.

VITAGLOW

For Fresh Citrus Fruits.
Claims use since Jan. 6, 1937.

Ser. No. 388,811. VIMPEX FOODS, INC., Cambridge, Md. Filed Feb. 11, 1937.

DOG LURE

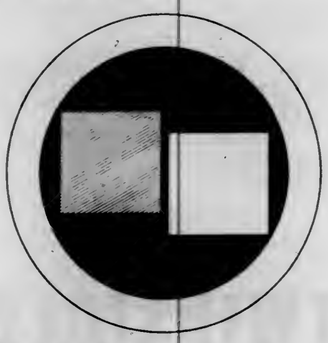
The word "Dog" is disclaimed apart from the mark.
For Dog Food and Cat Foods.
Claims use since Jan. 14, 1937.

Ser. No. 388,850. SCIENTIFIC TABLET COMPANY, Belleville, Ill. Filed Feb. 12, 1937.

Saltabs

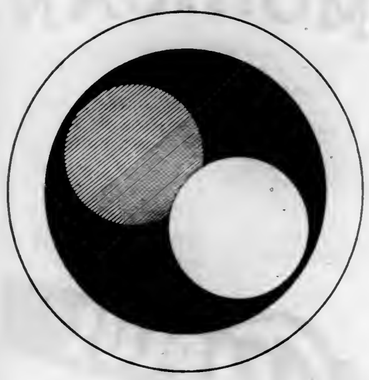
For Compressed Salt Tablets.
Claims use since Feb. 2, 1937.

Ser. No. 389,240. FRUIT PRODUCTS CORPORATION, Belleville, N. J. Filed Feb. 23, 1937.



The drawing is lined for shading.
For Preserved Cherries.
Claims use since Jan. 19, 1937.

Ser. No. 389,241. FRUIT PRODUCTS CORPORATION, Belleville, N. J. Filed Feb. 23, 1937.



The drawing is lined for shading.
For Preserved Cherries.
Claims use since Feb. 11, 1937.

Ser. No. 389,262. PARKVILLE MILLING CO., Parkville, Mo. Filed Feb. 23, 1937.

KORENA

For Animal Feeds—Namely, Hog Fattener.
Claims use since Feb. 6, 1937.

Ser. No. 389,557. ADOLPH GOLDMARK & SONS CORP., New York, N. Y. Filed Mar. 2, 1937.



The drawing is lined for red and gold.
For Canned Fish.
Claims use since December, 1935.

Ser. No. 389,579. VIMPEX FOODS, INC., Cambridge, Md. Filed Mar. 2, 1937.

CIRCUS DOG

The word "Dog" is disclaimed apart from the mark.
For Dog and Cat Food.
Claims use since Feb. 10, 1937.

Ser. No. 389,613. J. M. MCCAULEY & SON, Brooklyn, N. Y. Filed Mar. 3, 1937.



Applicant disclaims the wording and representation of the potato apart from the mark shown. The drawing is lined for red.
For Idaho Potatoes.
Claims use since 1922.

Ser. No. 389,743. THE MEAT PRODUCTS COMPANY, Cleveland, Ohio. Filed Mar. 6, 1937.

BRESKO

For Dog Food.
Claims use since Mar. 1, 1932.

Ser. No. 389,767. NATIONAL COAST PRODUCTS CORPORATION, Swedesboro, N. J. Filed Mar. 8, 1937.



For Canned Dog and Cat Food.
Claims use since Dec. 3, 1936.

Ser. No. 389,942. L. H. SCHLECHT, doing business as Rossville Packing Company, Rossville, Ill. Filed Mar. 11, 1937.

SMART BUY

For Canned Corn.
Claims use since Oct. 10, 1936.

Ser. No. 389,959. TULARE COUNTY FRUIT EXCHANGE, Porterville, Calif. Filed Mar. 12, 1937.

PATRICIAN

For Fresh Citrus Fruit.
Claims use since October, 1917.

Ser. No. 390,096. LAKELAND HIGHLANDS COOPERATIVE ASSOCIATION, Highlands City, Fla. Filed Mar. 15, 1937.

PIPE

For Fresh Citrus Fruits.
Claims use since Feb. 24, 1936.

Ser. No. 390,550. CARRIE E. MARCY, doing business as Marcy Ranch, Tustin, Calif. Filed Mar. 26, 1937.

ADMIRAL

For Fresh Citrus Fruit.
Claims use since Sept. 30, 1918.

Ser. No. 390,551. CARRIE E. MARCY, doing business as Marcy Ranch, Tustin, Calif. Filed Mar. 26, 1937.

COMMODORE

For Fresh Citrus Fruit.
Claims use since Sept. 30, 1918.

Ser. No. 390,552. CARRIE E. MARCY, doing business as Marcy Ranch, Tustin, Calif. Filed Mar. 26, 1937.

OFFICER

For Fresh Citrus Fruit.
Claims use since Sept. 30, 1918.

Ser. No. 390,553. CARRIE E. MARCY, doing business as Marcy Ranch, Tustin, Calif. Filed Mar. 26, 1937.

SAILOR

For Fresh Citrus Fruit.
Claims use since Sept. 30, 1918.

Ser. No. 390,554. CARRIE E. MARCY, doing business as Marcy Ranch, Tustin, Calif. Filed Mar. 26, 1937.

SEVEN HILLS

For Fresh Citrus Fruit.
Claims use since Mar. 23, 1936.

CLASS 47

Wines

Ser. No. 388,706. COLONIAL GRAPE PRODUCTS COMPANY, San Francisco, Calif. Filed Feb. 10, 1937.

Casa Grande

For Wines.
Claims use since July 5, 1891.

CLASS 48

Malt Beverages and Liquors

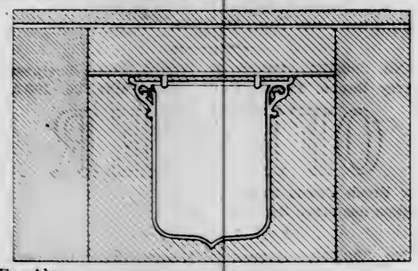
Ser. No. 384,830. WHITEWATER BREWING COMPANY, Whitewater, Wis. Filed Oct. 26, 1936.

Badger



The word "Wisconsin" and the map are specifically disclaimed apart from the mark.
For Beer, Ales, and Similar Products.
Claims use since Feb. 15, 1935.

Ser. No. 389,806. JOHN F. TROMMER, INCORPORATED, Brooklyn, N. Y. Filed Mar. 8, 1937.



For Ale.
Claims use since Jan. 1, 1937.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 389,882. MAJESTIC DISTILLING COMPANY, INCORPORATED, Baltimore, Md. Filed Mar. 10, 1937.

CROWN ROSE

For Whiskey and Gin.
Claims use since Jan. 2, 1936.

Ser. No. 390,352. BELLOWS & COMPANY, INC., New York, N. Y. Filed Mar. 22, 1937.

RON MALECON

The word "Ron" is disclaimed apart from the mark.
For Rum.
Claims use since Sept. 15, 1935.

Ser. No. 390,727. DISTILLERS DISTRIBUTING CORPORATION, Minneapolis, Minn. Filed Mar. 31, 1937.

ROSE BOWL

For Whiskey.
Claims use since Mar. 1, 1937.

Ser. No. 390,741. ED. PHILLIPS & SONS COMPANY, Minneapolis, Minn. Filed Mar. 31, 1937.

LONE JACK

For Whiskey.
Claims use since Mar. 1, 1937.

Ser. No. 390,742. ED. PHILLIPS & SONS COMPANY, Minneapolis, Minn. Filed Mar. 31, 1937.

MUTTON HOLLOWS

For Whiskey.
Claims use since Feb. 15, 1937.

Ser. No. 390,743. ED. PHILLIPS & SONS COMPANY, Minneapolis, Minn. Filed Mar. 31, 1937.

OLD JOY

For Whiskey.
Claims use since Mar. 1, 1937.

Ser. No. 390,744. ED. PHILLIPS & SONS COMPANY, Minneapolis, Minn. Filed Mar. 31, 1937.

SLIM JIM

For Whiskey.
Claims use since Feb. 15, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 387,634. WILLIAM H. SCOTT, doing business as Scott Pump Company, Rochester, N. Y. Filed Jan. 9, 1937.

RED



CANARY

For Non-Electrical Reflective Signals.
Claims use since Nov. 11, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 4, 1937

345,561. PROTECTIVE PACKING SHEETS OF MOLDED PULP USED IN PACKING AND SHIPPING EGGS AND LIKE FRANGIBLE ARTICLES. KEYES FIBRE COMPANY, INC., Waterville, Maine.
Filed June 6, 1933. Serial No. 338,571. PUBLISHED FEBRUARY 23, 1937. Class 2.

345,562. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. ROCK ISLAND BREWING COMPANY, Rock Island, Ill.
Filed July 24, 1933. Serial No. 340,059. PUBLISHED SEPTEMBER 12, 1933. Class 48.

345,563. CIGARETTES. JULEP CIGARETTE COMPANY, Boston, Mass., assignor, by mesne assignments, to Julep Tobacco Company, Boston, Mass., a corporation of Massachusetts.
Filed September 2, 1933. Serial No. 341,290. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,564. BEER AND ALE. OLD SOUTH BREWING COMPANY, Statesville, N. C.
Filed June 20, 1934. Serial No. 352,915. PUBLISHED AUGUST 7, 1934. Class 48.

345,565. SEDATIVE. MAY DAVIDSON ISBELL, Washington, D. C.
Filed December 15, 1934. Serial No. 359,352. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,566. OINTMENT USED IN THE TREATMENT OF PSORIASIS AND KINDRED DISEASES. BEN TUROFF, Lees Summit, Mo.
Filed April 29, 1935. Serial No. 364,363. PUBLISHED AUGUST 13, 1935. Class 6.

345,567. PREPARED SHELLACS AND LACS. ANGELO BROTHERS LIMITED, Calcutta, India.
Filed August 27, 1935. Serial No. 368,734. PUBLISHED FEBRUARY 23, 1937. Class 16.

345,568. PREPARED SHELLACS AND LACS. ANGELO BROTHERS LIMITED, Calcutta, India.
Filed August 27, 1935. Serial No. 368,735. PUBLISHED FEBRUARY 23, 1937. Class 16.

345,569. PREPARED SHELLACS AND LACS. ANGELO BROTHERS LIMITED, Calcutta, India.
Filed August 27, 1935. Serial No. 368,736. PUBLISHED FEBRUARY 23, 1937. Class 16.

345,570. PREPARED SHELLACS AND LACS. ANGELO BROTHERS LIMITED, Calcutta, India.
Filed August 27, 1935. Serial No. 368,737. PUBLISHED FEBRUARY 23, 1937. Class 16.

345,571. PERMANENT WAVE SOAP, SOAP FOR TREATING HAIR, MEDICATED SOAP. ERWIN F. LECHLER, New York, N. Y.
Filed September 9, 1935. Serial No. 369,134. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,572. COLD CREAM. THE PEROXIDE CHEMICAL CO., also doing business as Vi-Jon Laboratories, St. Louis, Mo.
Filed September 14, 1935. Serial No. 369,305. PUBLISHED NOVEMBER 26, 1935. Class 6.

345,573. ALES AND LAGER BEER. BREWING CORPORATION OF CANADA LIMITED, Toronto, Ontario, Canada, assignor, by mesne assignments, to Regal Brewing Company Limited, Hamilton, Ontario, Canada, a corporation of Ontario, Canada.
Filed October 24, 1935. Serial No. 370,754. PUBLISHED FEBRUARY 23, 1937. Class 48.

345,574. COIN-CONTROLLED AMUSEMENT APPARATUS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed November 20, 1935. Serial No. 371,781. PUBLISHED FEBRUARY 23, 1937. Class 22.

345,575. BASE METAL POTS, KETTLES, FRYING PANS, BROILERS, AND GRILLS. THE AMERICAN DIRIGOLD CORPORATION, Kokomo, Ind.
Filed December 3, 1935. Serial No. 372,198. PUBLISHED FEBRUARY 23, 1937. Class 13.

345,576. POWER DRIVEN WOODWORKING MACHINERY—NAMELY, DRILL PRESSES, BENCH SAWS, BAND SAWS, SCROLL SAWS, JIG SAWS, LATHES, JOINTERS, ETC. DURO METAL PRODUCTS COMPANY, Chicago, Ill.
Filed December 9, 1935. Serial No. 372,403. PUBLISHED FEBRUARY 23, 1937. Class 23.

345,577. POWER DRIVEN WOODWORKING MACHINERY—NAMELY, DRILL PRESSES, BENCH SAWS, BAND SAWS, SCROLL SAWS, JIG SAWS, LATHES, JOINTERS, ETC. DURO METAL PRODUCTS COMPANY, Chicago, Ill.
Filed December 9, 1935. Serial No. 372,404. PUBLISHED FEBRUARY 23, 1937. Class 23.

345,578. MAINSPRINGS FOR WATCHES. WATCH-MOTOR MAINSPRING CO., INC., New York, N. Y.
Filed December 10, 1935. Serial No. 372,493. PUBLISHED FEBRUARY 23, 1937. Class 27.

345,579. FISH MEAL FOR POULTRY AND STOCK FOOD. FARALLONE PACKING CO., San Francisco, Calif.
Filed January 11, 1936. Serial No. 373,564. PUBLISHED FEBRUARY 23, 1937. Class 46.

345,580. PRINTED ADVERTISING SIGNS. THE ART POSTER COMPANY, New York, N. Y.
Filed January 16, 1936. Serial No. 373,714. PUBLISHED FEBRUARY 23, 1937. Class 50.

345,581. PUBLICATIONS RELATING TO PETROLEUM PRODUCTION AND MARKETING ISSUED FROM TIME TO TIME. OTTE & CO., INC., New York, N. Y.
Filed February 17, 1936. Serial No. 374,937. PUBLISHED FEBRUARY 23, 1937. Class 38.

345,582. PIGMENT FILLER FOR PAPER FILLING. A. M. MEINCKE & SON, INC., Chicago, Ill.
Filed March 2, 1936. Serial No. 375,450. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,583. PREPARATION USED ON PLATING RACKS TO PROTECT THEM FROM THE ELECTROPLATING SOLUTIONS, WHICH PREPARATION IS APPLIED BY HEATING AND DIPPING AND FORMS A TOUGH RUBBER-LIKE FILM WHICH DOES NOT ADHERE TO THE RACKS BUT HOLDS ITS POSITION BY SHRINKAGE. HANSON-VAN WINKLE-MUNNING COMPANY, Matawan, N. J.
Filed March 19, 1936. Serial No. 376,170. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,584. FARM TRACTORS AND PARTS THEREOF. THE MASSEY-HARRIS COMPANY, Racine, Wis.
Filed March 23, 1936. Serial No. 376,255. PUBLISHED SEPTEMBER 1, 1936. Class 23.

345,585. SODIUM HYPOCHLORITE SOLUTION FOR USE AS A BLEACH, GERMICIDE, AND DISINFECTANT, AND FOR WASHING AND LAUNDERING ARTICLES. J. H. ERBRICH PRODUCTS CO., Indianapolis, Ind.
Filed April 29, 1936. Serial No. 377,784. PUBLISHED JANUARY 26, 1937. Class 6.

345,586. WHISKIES. UNITED DISTILLERS CORPORATION, Providence, R. I., assignor to United Liquor Corporation, a corporation of Rhode Island.
Filed May 1, 1936. Serial No. 377,890. PUBLISHED JUNE 23, 1936. Class 49.

345,587. MEDICINE FOR CONSTIPATION, HEADACHE, OR BILIOUSNESS DUE TO CONSTIPATION, GAS ON STOMACH, INDIGESTION, HEARTBURN, AND A STIMULANT TO THE APPETITE. HENRY P. LIVESEY, doing business as Morlax, Kearny, N. J.
Filed May 18, 1936. Serial No. 378,573. PUBLISHED JANUARY 26, 1937. Class 6.

345,588. COMBINATION TRAPS AND FILTERS. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio.
Filed June 8, 1936. Serial No. 379,430. PUBLISHED FEBRUARY 23, 1937. Class 13.

345,589. PREVENTATIVE OF SUNBURN. PAUL L. LEWIS, doing business as The Sunfoil Company, Philadelphia, Pa., assignor to Schieffelin & Co., New York, N. Y.
Filed June 13, 1936. Serial No. 379,708. PUBLISHED AUGUST 25, 1936. Class 6.

345,590. PREPARATION USEFUL AS A TONIC AND RECONSTITUENT TO AID IN THE DEVELOPMENT OF CHILDREN, ETC. THE ULRICI MEDICINE COMPANY, INC., New York, N. Y.
Filed June 13, 1936. Serial No. 379,721. PUBLISHED DECEMBER 15, 1936. Class 6.

345,591. MENTHOLATED EXPECTORANT. HENRY M. GIESSELMANN, doing business as Giesselmann Laboratories, Brooklyn, N. Y.
Filed June 22, 1936. Serial No. 380,051. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,592. COTTON PIECE GOODS. BURTON BROTHERS & Co. INC., New York, N. Y.
Filed June 23, 1936. Serial No. 380,096. PUBLISHED AUGUST 25, 1936. Class 42.

345,593. TRANSPARENT OR TRANSLUCENT NONTEXTILE CELLULOSIC STRIPS AND RIBBONS OF VARIOUS WIDTHS SUITABLE FOR SECURING AND WRAPPING PACKAGES AND DECORATIVE PURPOSES. CELLULOID CORPORATION, Newark, N. J.
Filed June 27, 1936. Serial No. 380,342. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,594. OIL FILTERS FOR USE AS ACCESSORIES TO INTERNAL COMBUSTION ENGINES, ESPECIALLY THOSE USED IN AUTOMOBILES. CHARLES A. COMPTON, Menlo Park, Calif.
Filed July 3, 1936. Serial No. 380,554. PUBLISHED SEPTEMBER 22, 1936. Class 23.

345,595. SKIN CREAMS AND SKIN LOTIONS, ALMOND TISSUE CREAM, EMULSIFIED CLEANSING CREAM, LIQUEFYING CLEANSING CREAM, HERBAL SKIN TONIC, HERBAL ASTRINGENT, HERBAL ASTRINGENT CREAM, LIPSTICK, EYESHADOW PASTE, EYEBROW PENCIL, SUN TAN OIL, AND SUNBURN PREVENTIVE CREAM. CHRYSON'S, LTD., Los Angeles, Calif.
Filed July 7, 1936. Serial No. 380,701. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,596. ELECTRICALLY FUSED ALUMINA OR BAUXITE. HÖGANÄS-BILLESHOLMS A-B., Höganas, Sweden.
Filed July 22, 1936. Serial No. 381,312. PUBLISHED FEBRUARY 23, 1937. Class 1.

345,597. PARASITICIDES, ALGAECIDES, INDUSTRIAL SOLVENTS, CHEMICAL SOLVENTS FOR USE IN OIL WELLS, CITRUS FRUIT SPRAYS, AND COMPOUNDS FOR USE IN LIQUIDS TO PREVENT CORROSIVE AND SCALE FORMATIONS AND FUNGICIDAL GROWTHS. NOBS CHEMICAL COMPANY, Los Angeles, Calif.
Filed August 3, 1936. Serial No. 381,776. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,598. OCEAN BEACH SAND. HAROLD PAUL FOX, Camden, N. J.
Filed August 8, 1936. Serial No. 381,936. PUBLISHED FEBRUARY 23, 1937. Class 1.

345,599. LUBRICATING OILS AND GREASES. HALL HARDWARE COMPANY, Minneapolis, Minn.
Filed August 8, 1936. Serial No. 381,939. PUBLISHED FEBRUARY 23, 1937. Class 15.

345,600. LINIMENT FOR EXTERNAL USE, FOR PREPARATIONS FOR THE RELIEF OF COLDS, CROUP, CERTAIN TYPES OF PNEUMONIA, ECZEMA, ETC. CHARLES S. MITTEN, Richmond, Va.
Filed August 13, 1936. Serial No. 382,127. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,601. BREAD. PROCERA BREAD PROCESS (NEW ZEALAND) LIMITED, Wellington, New Zealand.
Filed August 21, 1936. Serial No. 382,443. PUBLISHED FEBRUARY 23, 1937. Class 46.

345,602. WAXES FOR POLISHING AUTOMOBILES, FLOORS, AND FURNITURE. LOUISE CHALKLEY GIVEN, doing business as The Cresson Products Co., New Hope, Pa.
Filed August 28, 1936. Serial No. 382,664. PUBLISHED FEBRUARY 23, 1937. Class 16.

345,603. SECTIONS IN A PERIODICAL MAGAZINE. SPORTS ILLUSTRATED, INC., New York, N. Y.
Filed September 2, 1936. Serial No. 382,840. PUBLISHED FEBRUARY 23, 1937. Class 38.

345,604. ASTRINGENT TONIC, COLD CREAM, LIQUEFYING CLEANSING CREAM, SKIN AND TISSUE CREAM, MUSCLE OIL, BRILLIANTINE, NAIL POLISH, OLIVE OIL SHAMPOO, LIPSTICK, ROUGE, FACE POWDER, AND NAIL POLISH REMOVER. WHELAN DRUG STORES DELAWARE CORPORATION, New York, N. Y.
Filed September 2, 1936. Serial No. 382,848. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,605. PUBLICATION COMPRISING A PAMPHLET CONCERNING TAX LAWS AND TAX CALENDARS ISSUED USUALLY QUARTERLY WITH OCCASIONAL INTERMEDIATE ISSUES. FLEISHER, FERNALD & COMPANY, Philadelphia, Pa.
Filed September 3, 1936. Serial No. 382,868. PUBLISHED JANUARY 12, 1937. Class 38.

345,606. INHALANT CONTAINING THE ACTIVE PRINCIPLE OF THE ADRENAL GLANDS (EPINEPHRINE), USED IN THE FORM OF A FINE SPRAY OR MIST; ALSO PREPARED FROM SYNTHETIC EPINEPHRINE. EUGENE A. GATTERDAM, doing business as Pollen Laboratories, Phoenix, Ariz.
Filed September 15, 1936. Serial No. 383,265. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,607. LUBRICATING OILS, GASOLINE, CUP GREASE, AND GEAR OIL. HUGO G. REICHERT, Salt Lake City, Utah.
Filed September 16, 1936. Serial No. 383,284. PUBLISHED FEBRUARY 23, 1937. Class 15.

345,608. CERAMIC, CLAY, WALL TILE, GLAZED AND UNGLAZED. THE CAMBRIDGE-WHEATLEY CO., Cincinnati, Ohio, assignor to The Cambridge Tile Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio.
Filed September 16, 1936. Serial No. 383,293. PUBLISHED FEBRUARY 23, 1937. Class 12.

345,609. HEALING OINTMENT FOR SKIN AILMENTS. NUMOL, LIMITED, Newcastle-on-Tyne, England.
Filed September 17, 1936. Serial No. 383,368. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,610. FRENCH DRESSING. JOHN GRANA, Manhattan Beach, Calif.
Filed September 19, 1936. Serial No. 383,432. PUBLISHED FEBRUARY 23, 1937. Class 46.

345,611. PREPARATION FOR THE TREATMENT OF DANDRUFF AND OTHER SCALP CONDITIONS. SURE-GO MANUFACTURING CO., Toledo, Ohio.
Filed September 21, 1936. Serial No. 383,491. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,612. RUBBER COMPOSITION FLOORING MATERIALS OR RUBBER TILING. THE R. C. A. RUBBER COMPANY, Akron, Ohio.
Filed September 24, 1936. Serial No. 383,596. PUBLISHED FEBRUARY 9, 1937. Class 12.

345,613. RUBBER TILING IN SHEET OR BLOCK FORM FOR WAINSCOATING AND WALL SURFACES. THE R. C. A. RUBBER COMPANY, Akron, Ohio.
Filed September 24, 1936. Serial No. 383,598. PUBLISHED FEBRUARY 9, 1937. Class 12.

345,614. MACHINES TO FILL BOTTLES AND CANS, FOR MACHINES TO PASTEURIZE FOODS, FOR MACHINES TO RINSE CONTAINERS PRIOR TO FILLING, AND OTHER MACHINES USED TO PRESERVE FOODS OR BEVERAGES. GEO. J. MEYER MANUFACTURING CO., Cudahy, Wis.
Filed September 23, 1936. Serial No. 383,612. PUBLISHED FEBRUARY 23, 1937. Class 23.

345,615. PERMANENT WAVE SOLUTION. PURCELL & Co. INC., Chicago, Ill.
Filed October 9, 1936. Serial No. 384,165. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,616. COLUMN DEVOTED TO HEALTH ITEMS TO BE PUBLISHED FROM TIME TO TIME IN VARIOUS PUBLICATIONS. JOSEPH FRANKLIN MONTAGUE, New York, N. Y.
Filed October 8, 1936. Serial No. 384,181. PUBLISHED FEBRUARY 23, 1937. Class 38.

345,617. SHAVING LOTION FOR USE AS A BEARD SOFTENER. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed October 12, 1936. Serial No. 384,239. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,618. PRESERVATIVE COMPOUND OR PREPARATION EXPRESSLY MADE FOR WATERPROOFING LEATHER AND LEATHER GOODS, AND ESPECIALLY FOR PRESERVING BOOTS, SHOES, AND THE LIKE. AXEL E. JOHNSON, doing business as Shu-men-ize Waterproofing Co., Galesburg, Ill.
Filed October 19, 1936. Serial No. 384,535. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,619. GLASS TUMBLERS. TRU-TEST BROKERAGE CORPORATION, Chicago, Ill., now by change of name Tru Test Marketing & Merchandising Corp.
Filed October 19, 1936. Serial No. 384,572. PUBLISHED JANUARY 5, 1937. Class 33.

345,620. PREPARATION FOR INTERNAL TREATMENT OF STAPHYLOCOCCUS INFECTIONS, BOILS, AND FURUNCLES. CHICAGO PHARMACAL Co., Chicago, Ill.
Filed October 19, 1936. Serial No. 384,576. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,621. POLISHING AND BUFFING WHEELS AND SPACERS OR SEPARATORS THEREFOR. THE CLEVELAND CONVERTING COMPANY, Cleveland, Ohio.
Filed October 21, 1936. Serial No. 384,611. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,622. METAL SHOE TAPS NOT MADE OF PRECIOUS METAL. AMERICAN FINDINGS MANUFACTURING COMPANY, Indianapolis, Ind.
Filed October 20, 1936. Serial No. 384,696. PUBLISHED FEBRUARY 23, 1937. Class 13.

345,623. DENATURED ALCOHOL. DESTILERIA SERRALLES, INC., Ponce, P. R.
Filed October 28, 1936. Serial No. 384,885. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,624. MONTHLY PUBLICATION FOR THE MOTOR FREIGHT TRANSPORTATION INDUSTRY. T. R. WOODBURN PRINTING CO., doing business as The Highway News, Terre Haute, Ind.
Filed October 28, 1936. Serial No. 384,913. PUBLISHED FEBRUARY 23, 1937. Class 38.

345,625. GRAPEFRUIT AND ORANGE SEGMENTS PACKED IN CANS. FLORIDAGOLD CITRUS CORPORATION, Lake Alfred, Fla.
Filed October 29, 1936. Serial No. 384,924. PUBLISHED FEBRUARY 23, 1937. Class 46.

345,626. ABRASIVE IN COMMINUTED FORM. RUMFORD CHEMICAL WORKS, Rumford, R. I.
Filed October 29, 1936. Serial No. 384,934. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,627. HAIR WAVING LOTION (PERMANENT), SOAPLESS SHAMPOO. MICHAEL GIALAFOS, doing business as Gialafos Sunray Mfg. Co., New York, N. Y.
Filed October 31, 1936. Serial No. 384,997. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,628. CIGARS. PETRI CIGAR CO., San Francisco, Calif.
Filed November 2, 1936. Serial No. 385,058. PUBLISHED FEBRUARY 23, 1937. Class 17.

345,629. MONTHLY PUBLICATION DEVOTED TO THE MOVING PICTURE INDUSTRY. HUGO GERNSBACK, New York, N. Y.
Filed November 3, 1936. Serial No. 385,092. PUBLISHED FEBRUARY 23, 1937. Class 38.

345,630. LIME. NATIONAL MORTAR & SUPPLY COMPANY OF PITTSBURG, Pittsburgh, Pa.
Filed November 5, 1936. Serial No. 385,194. PUBLISHED FEBRUARY 23, 1937. Class 12.

345,631. PORCELAIN TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass.
Filed November 5, 1936. Serial No. 385,197. PUBLISHED FEBRUARY 23, 1937. Class 30.

345,632. PORTLAND CEMENT. CONSOLIDATED CEMENT CORPORATION, Chicago, Ill.
Filed November 6, 1936. Serial No. 385,215. PUBLISHED FEBRUARY 23, 1937. Class 12.

345,633. PORTLAND CEMENT. CONSOLIDATED CEMENT CORPORATION, Chicago, Ill.
Filed November 6, 1936. Serial No. 385,223. PUBLISHED FEBRUARY 23, 1937. Class 12.

345,634. SALAMI AND BOLOGNA. ZION NATIONAL KOSHER SAUSAGE FACTORY, INC., New York, N. Y.
Filed November 7, 1936. Serial No. 385,273. PUBLISHED FEBRUARY 23, 1937. Class 46.

345,635. DRY CLEANING COMPOUND. DOMESTIC PRODUCTS, INC., Minneapolis, Minn.
Filed November 9, 1936. Serial No. 385,281. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,636. SWIM TRUNKS. JOHN MCCORMICK, Los Angeles, Calif.
Filed November 9, 1936. Serial No. 385,298. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,637. CHEMICAL FOR CREATING AND MAINTAINING AN ALKALINE CONDITION IN BOILER, STEAM, CONDENSATE, AND WATER SYSTEMS FOR THE PREVENTION OF RUST AND CORROSION. WESTERN CHEMICAL COMPANY OF KANSAS CITY, MISSOURI, Kansas City, Mo.
Filed November 9, 1936. Serial No. 385,320. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,638. CANNED OLIVES. CORNING OLIVE GROWERS ASSOCIATION, Corning, Calif.
Filed November 10, 1936. Serial No. 385,341. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,639. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. FREDERICK C. HAVEMEYER, New York, N. Y.
Filed November 10, 1936. Serial No. 385,353. PUBLISHED DECEMBER 29, 1936. Class 49.

345,640. HEAT ABSORPTION BAFFLES FOR USE IN THE COMBUSTION AND/OR GAS SPACES AND/OR PASSAGES OF BOILERS AND HEATERS. MAY OIL BURNER CORPORATION, Baltimore, Md.
Filed November 10, 1936. Serial No. 385,363. PUBLISHED FEBRUARY 23, 1937. Class 34.

345,641. INHIBITOR EMPLOYED IN MOTOR OILS TO DECREASE THEIR CORROSIVENESS TO BEARING METAL AND TO LESSEN THEIR TENDENCY TO STICK RINGS, FORM SLUDGE, OR OTHERWISE DETERIORATE AS THE RESULT OF OXIDATION. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J.
Filed November 10, 1936. Serial No. 385,369. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,642. CHEMICAL PREPARATION FOR TANNING LEATHERS. JACQUES WOLF & Co., Clifton, N. J.
Filed November 11, 1936. Serial No. 385,374. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,643. ANTISEPTIC AND GERMICIDAL LIQUID USED FOR CLEANSING AND STERILIZING TELEPHONE UNITS. HYGIENIC SERVICE, INC., New York, N. Y.
Filed November 11, 1936. Serial No. 385,406. PUBLISHED FEBRUARY 16, 1937. Class 6.

345,644. APPLE JUICE FOR FOOD PURPOSES. JEFFERSON FOOD PRODUCTS, INC., Kearneysville, W. Va.
Filed November 11, 1936. Serial No. 385,410. PUBLISHED FEBRUARY 23, 1937. Class 46.

345,645. FRICTION BLOCK CONTAINING A SUBSTANCE FOR USE ON THE HANDS AND FINGERS TO PREVENT SLIPPING. GEORGE W. NICKERSON, doing business as Nickerson Manufacturing Co., Butte, Mont.
Filed November 12, 1936. Serial No. 385,448. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,646. PERMANENT WAVE SOLUTION, AND HAIR OIL. GLENN FISHER, Bowling Green, Ky.
Filed November 13, 1936. Serial No. 385,476. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,647. MILD TONIC AND CONDITIONER FOR CATTLE AND HOGS OR COWS AND SOWS. CHARLES E. SCHINDLER, Coldwater, Ohio.
Filed November 13, 1936. Serial No. 385,495. PUBLISHED FEBRUARY 16, 1937. Class 6.

345,648. INCANDESCENT LAMP BULBS, RADIO TUBES AND VALVES, THERMIONIC DETECTOR AND AMPLIFIER TUBES AND VALVES, OSCILLATOR TUBES, RECTIFIER TUBES, BALLAST AND GASEOUS GLOW DISCHARGE TUBES, AND ELECTRONIC TUBES. TUNG-SOL LAMP WORKS INC., Newark, N. J.
Filed November 13, 1936. Serial No. 385,498. PUBLISHED FEBRUARY 23, 1937. Class 21.

345,649. BEER. DREWRYS LIMITED U. S. A., INC., South Bend, Ind.
Filed November 14, 1936. Serial No. 385,510. PUBLISHED FEBRUARY 23, 1937. Class 48.

345,650. TARGET APPARATUS IN WHICH A BULLET OF LIGHT IS EMPLOYED TO IMPINGE UPON A PHOTO-ELECTRIC CELL. EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed November 14, 1936. Serial No. 385,513. PUBLISHED FEBRUARY 23, 1937. Class 22.

345,651. TOILET SOAP. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill.
Filed November 14, 1936. Serial No. 385,528. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,652. TOILET SOAP. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill.
Filed November 14, 1936. Serial No. 385,529. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,653. TOILET SOAP. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill.
Filed November 14, 1936. Serial No. 385,531. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,654. COIN OPERATED GAME DEVICE. H. C. EVANS & COMPANY, Chicago, Ill.
Filed November 13, 1936. Serial No. 385,550. PUBLISHED FEBRUARY 23, 1937. Class 22.

345,655. OINTMENT FOR SARCOPTIC MANGE, PUPPY CAPSULES, TETRACHLORETHYLENE CAPSULES, COD LIVER OIL CONCENTRATE TABLETS, DISINFECTANT, AND FLEA POWDER. H. CLAY GLOVER CO., INC., New York, N. Y.
Filed November 16, 1936. Serial No. 385,581. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,656. MEDICINAL PREPARATION RECOMMENDED FOR KIDNEY, LIVER, BLADDER, AND URINARY DISORDERS. THE HOWELL COMPANY, INC., New Orleans, La.
Filed November 16, 1936. Serial No. 385,583. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,657. MEDICINAL PREPARATION RECOMMENDED FOR KIDNEY, LIVER, BLADDER, AND URINARY DISORDERS. THE HOWELL COMPANY, INC., New Orleans, La.
Filed November 16, 1936. Serial No. 385,584. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,658. CHIPS PLACED ON CARDS TO BE USED AS COLOR CHARTS. THE KINSEY-JOHNSTON COMPANY, Cincinnati, Ohio.
Filed November 16, 1936. Serial No. 385,587. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,659. OILINESS CONCENTRATE TO BE ADDED TO OILS AND GREASES TO INCREASE THE FILM STRENGTH OF THE OIL AND TO COLD-PROOF OIL AND GREASE, PENETRATING OIL, AND ALSO UPPER CYLINDER LUBRICATION. L. J. SAUERBORN, doing business as Lubaid Company, Milwaukee, Wis.
Filed November 16, 1936. Serial No. 385,609. PUBLISHED FEBRUARY 23, 1937. Class 15.

345,660. MENTHOLATED PAPER HANDKERCHIEFS. THE SITROUX COMPANY, INC., Brooklyn, N. Y.
Filed November 16, 1936. Serial No. 385,610. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,661. FLUID FUEL HEATERS—NAMELY, AUTOMATIC ELECTRICALLY CONTROLLED AND OPERATED FUEL HEATING SYSTEMS, PARTS THEREOF, ETC. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill.
Filed November 16, 1936. Serial No. 385,617. PUBLISHED FEBRUARY 23, 1937. Class 34.

345,662. HAT BOXES MADE OF TRANSPARENT MATERIAL. DECOLL, INC., New York, N. Y.
Filed November 17, 1936. Serial No. 385,625. PUBLISHED FEBRUARY 23, 1937. Class 2.

345,663. VEGETABLE PROTEIN USED FOR COATING AND SIZING PAPER. SOYSEIN PROCESS CORPORATION, New York, N. Y.
Filed November 17, 1936. Serial No. 385,651. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,664. TRAILERS FOR ATTACHMENT TO AUTOMOTIVE VEHICLES. COVERED WAGON COMPANY, Mount Clemens, Mich.
Filed November 18, 1936. Serial No. 385,663. PUBLISHED FEBRUARY 9, 1937. Class 19.

345,665. ENZYMATIC PRODUCT FOR USE AS A CLEANING COMPOUND AND FOR THE REMOVAL OF PROTEIN STAINS, SUCH AS BLOOD, ALBUMEN, CASEIN, ETC., AND STARCH FROM TEXTILE AND OTHER MATERIALS. WALLERSTEIN COMPANY, INC., New York, N. Y.
Filed November 18, 1936. Serial No. 385,710. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,666. WATERPROOFED SATEEN, CORDUROY, AND SUITING. WELLINGTON SEARS COMPANY, Boston, Mass.
Filed November 18, 1936. Serial No. 385,712. PUBLISHED FEBRUARY 23, 1937. Class 50.

345,667. SOLUTION OF THE BLOOD-PRESSURE-RAISING PRINCIPLE OF THE SUPRARENAL GLAND. UNITED DRUG COMPANY, Boston, Mass.
Filed November 19, 1936. Serial No. 385,760. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,668. MEDICINAL PREPARATION RECOMMENDED FOR THE TREATMENT OF ATHLETE'S FOOT. ELMER O. VOLKMAN, doing business as The Volcrit Company, Milwaukee, Wis.
Filed November 19, 1936. Serial No. 385,763. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,669. ACID-PROOF CEMENT. ELECTRO-CHEMICAL SUPPLY & ENGINEERING CO., Paoli, Pa., and Wilmington, Del.
Filed November 20, 1936. Serial No. 385,783. PUBLISHED FEBRUARY 23, 1937. Class 12.

345,670. NASAL DOUCHES. ETTLIN, INC., New York, N. Y.
Filed November 20, 1936. Serial No. 385,784. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,671. MONTHLY PUBLICATION DEALING WITH RAILROADS AND ALLIED SUBJECTS. NICHOLAS S. HALL, Philadelphia, Pa.
Filed November 20, 1936. Serial No. 385,789. PUBLISHED FEBRUARY 23, 1937. Class 38.

345,672. LUBRICATING OILS AND GREASES. U. S. OIL COMPANY, East Providence, R. I.
Filed November 21, 1936. Serial No. 385,868. PUBLISHED FEBRUARY 23, 1937. Class 15.

345,673. CHEMICALS AND WATERPROOFING MATERIALS FOR THE TREATMENT OF TEXTILES, FIBRES, AND FABRICS IN FINISHED FORM, FURS, LEATHER, AND PAPER. NYANZA COLOR & CHEMICAL CO. INC., New York, N. Y.
Filed November 24, 1936. Serial No. 385,938. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,674. TRADE PERIODICAL PUBLICATIONS. SAMUEL READER, Chicago, Ill.
Filed November 24, 1936. Serial No. 385,941. PUBLISHED FEBRUARY 23, 1937. Class 38.

345,675. WHISKEY. TAYLOR AND WILLIAMS DISTILLERIES, INC., Louisville, Ky.
Filed November 24, 1936. Serial No. 385,952. PUBLISHED FEBRUARY 23, 1937. Class 49.

345,676. GLASS SURGICAL APPLIANCES, GLASS SYRINGES, AMPOULES, AND CHEMICAL PHARMACEUTICAL GLASS WARE. TEMPEX MANUFACTURING CO. INC., New York, N. Y.
Filed November 20, 1936. Serial No. 385,956. PUBLISHED FEBRUARY 23, 1937. Class 44.

345,677. NAIL POLISH. NORTHAM WARREN CORPORATION, New York, N. Y.
Filed November 25, 1936. Serial No. 385,989. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,678. COMIC DRAWING PUBLISHED IN A SERIES IN A NEWSPAPER. UNITED FEATURE SYNDICATE, INC., New York, N. Y.
Filed November 24, 1936. Serial No. 386,063. PUBLISHED FEBRUARY 23, 1937. Class 38.

345,679. COLUMN APPEARING IN A NEWSPAPER OR PERIODICAL. NEA SERVICE, INC., Cleveland, Ohio.
Filed November 28, 1936. Serial No. 386,080. PUBLISHED FEBRUARY 23, 1937. Class 38.

345,680. SYNTHETIC CRYSTALLINE VITAMIN B_1. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed November 28, 1936. Serial No. 386,088. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,681. COSMETICS—NAMELY, FACE CREAMS, LOTIONS, MUSCLE OILS, FACE SOFTENER, FACE POWDER, LIP STICK, AND ROUGE. HUNTER ANDERSON, doing business as Tortuga Products Company, Phoenix, Ariz.
Filed November 30, 1936. Serial No. 386,093. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,682. FINGER NAIL PREPARATION. PETER CHARLES NAIL POLISH CO., New York, N. Y.
Filed November 30, 1936. Serial No. 386,098. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,683. COLLOIDAL COPPER. CU-SOL PRODUCTS CORPORATION, New York, N. Y.
Filed November 30, 1936. Serial No. 386,100. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,684. COLLOIDAL COPPER USED AS A THERAPEUTIC AGENT. CU-SOL PRODUCTS CORPORATION, New York, N. Y.
Filed November 30, 1936. Serial No. 386,101. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,685. BLEACH CREAMS, TISSUE CREAMS, COLD CREAMS, CLEANSING CREAMS, HAND CREAMS, NOURISHING CREAMS, HAND LOTIONS, PERFUMES, FACE POWDERS, ROUGE, LIPSTICK, EYEBROW AND EYELASH MASCARA, AND NAIL POLISH. FORTY SECOND STREET SALES CO., Chicago, Ill.
Filed November 30, 1936. Serial No. 386,103. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,686. BASEBALL BATS, GOLF BALLS, TENNIS BALLS, FOOTBALLS, BASEBALLS, AND PING PONG BALLS, INDOOR BASEBALLS, PLAYING CARDS, CARD GAMES, POKER CHIPS, AND DICE. S. H. KRESS AND COMPANY, New York, N. Y.
Filed November 30, 1936. Serial No. 386,118. PUBLISHED FEBRUARY 23, 1937. Class 22.

345,687. DISINFECTANTS—NAMELY, ANTISEPTICS, GERMICIDE, CLEANSER, AND DEODORANT PREPARATIONS. POLK MILLER PRODUCTS CORP., Richmond, Va.
Filed November 30, 1936. Serial No. 386,125. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,688. SIZE AND FINISH FOR TEXTILE FABRICS. R. R. STREET & Co. INC., Chicago, Ill.
Filed November 30, 1936. Serial No. 386,129. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,689. LAXATIVE TABLETS AND INDIGESTION TABLETS. MOSBY MEDICINE CO., INC., Cincinnati, Ohio.
Filed December 2, 1936. Serial No. 386,216. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,690. TOILET CREAM. JOSEPH PLUMERI, New York, N. Y.
Filed December 2, 1936. Serial No. 386,222. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,691. GENERAL TONIC RECOMMENDED IN CASES WHERE THERE IS A VITAMIN DEFICIENCY. HOWARD H. CAPLAN, doing business as Davis Drug Company, Baltimore, Md.
Filed December 2, 1936. Serial No. 386,230. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,692. PREPARATION FOR THE TREATMENT OF VITAMIN B DEFICIENCY CONDITIONS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed December 1, 1936. Serial No. 386,233. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,693. BORATED BABY TALCUM. S. H. KRESS AND COMPANY, New York, N. Y.
Filed December 3, 1936. Serial No. 386,260. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,694. WHISKEY. MIDWEST DISTRIBUTING COMPANY, Kansas City, Mo.
Filed December 3, 1936. Serial No. 386,265. PUBLISHED FEBRUARY 23, 1937. Class 49.

345,695. CEMENTITIOUS BUILDING MATERIAL. THE NAILCRETE CORPORATION, New York, N. Y.
Filed December 3, 1936. Serial No. 386,266. PUBLISHED FEBRUARY 9, 1937. Class 12.

345,696. LADIES' DRESSES. WILLIAM BASS DRESS CORPORATION, New York, N. Y.
Filed December 4, 1936. Serial No. 386,302. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,697. METAL CUSPIDORS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,338. PUBLISHED FEBRUARY 23, 1937. Class 13.

345,698. ELECTRICALLY OPERATED COOLERS FOR BOTTLED BEVERAGES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,353. PUBLISHED FEBRUARY 23, 1937. Class 31.

345,699. METAL CUSPIDORS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,357. PUBLISHED FEBRUARY 23, 1937. Class 13.

345,700. DRESSES FOR WOMEN. FLASHY DRESS COMPANY, INC., New York, N. Y.
Filed December 5, 1936. Serial No. 386,364. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,701. WOMEN'S DRESSES, COATS, GOWNS, AND ENSEMBLE SUITS. ELI GORDON, doing business as Milady's Modes, Los Angeles, Calif.
Filed December 5, 1936. Serial No. 386,368. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,702. GREASE CUPS, OIL CUPS, LUBRICATORS, MANIFOLD LUBRICATORS, LUBRICATOR MANIFOLDS, AND FITTINGS USED IN SYSTEMS OF MANIFOLD LUBRICATION, AND GREASE GUNS. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed December 5, 1936. Serial No. 386,370. PUBLISHED FEBRUARY 2, 1937. Class 23.

345,703. LUBRICATING OIL. THE BROOKS OIL COMPANY, Cleveland, Ohio.
Filed December 7, 1936. Serial No. 386,401. PUBLISHED FEBRUARY 16, 1937. Class 15.

345,704. MALTLESS SOFT DRINKS. CLOVER FARM STORES CORPORATION, also doing business as Clover Farm Stores, Cleveland, Ohio.
Filed December 7, 1936. Serial No. 386,406. PUBLISHED FEBRUARY 23, 1937. Class 45.

345,705. ANTI-FREEZE PREPARATION FOR MOTOR VEHICLES AND HEATING SYSTEMS. EMPIRE DISTILLING CORPORATION OF NEW YORK, Yonkers, N. Y.
Filed December 7, 1936. Serial No. 386,420. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,706. LAMINATED PRODUCTS CONSISTING OF CELLULOSE SHEETING COMBINED WITH OTHER PRODUCTS. SHELLMAR PRODUCTS COMPANY, Chicago, Ill.
Filed December 7, 1936. Serial No. 386,454. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,707. BURNISHING INK FOR FINISHING SOLES AND HEELS OF BOOTS AND SHOES. SHOE PRESS CORPORATION, Philadelphia, Pa.
Filed December 7, 1936. Serial No. 386,456. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,708. ARTIFICIAL TEXTILE FIBRES, IN STAPLES, HAVING HIGH TENSILE STRENGTH. THE SOCIETÀ ANONIMA SNIA-VISCOSA, SOCIETÀ NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA, Turin, Italy.
Filed December 7, 1936. Serial No. 386,458. PUBLISHED FEBRUARY 23, 1937. Class 1.

345,709. MEN'S AND WOMEN'S OUTER SHIRTS, SHORTS, SLACKS, AND SPORTSWEAR CONSISTING OF DRESES, BLOUSES, AND JACKETS. WAMSUTTA MILLS, New Bedford, Mass.
Filed December 7, 1936. Serial No. 386,465. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,710. GAME UTILIZING A TARGET AND PLURALITY OF DARTS TO BE THROWN BY HAND AT SAID TARGET. THE JOHNSON FAMILY, INC., Cincinnati, Ohio.
Filed December 8, 1936. Serial No. 386,491. PUBLISHED FEBRUARY 23, 1937. Class 22.

345,711. WEEKLY MAGAZINE. TIME, INCORPORATED, New York, N. Y.
Filed December 8, 1936. Serial No. 386,509. PUBLISHED FEBRUARY 16, 1937. Class 38.

345,712. PERIODICAL. WID'S FILMS AND FILM FOLK, INC., New York, N. Y.
Filed December 8, 1936. Serial No. 386,513. PUBLISHED FEBRUARY 23, 1937. Class 38.

345,713. CAPSULES FOR ROUND WORMS AND HOOK WORMS IN PUPPIES, DOGS, CATS, AND FOXES. H. CLAY GLOVER CO., INC., New York, N. Y.
Filed December 9, 1936. Serial No. 386,538. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,714. WHISKEY. MCKESSON & ROBBINS, INCORPORATED, Fairfield, Conn.
Filed December 9, 1936. Serial No. 386,548. PUBLISHED FEBRUARY 23, 1937. Class 49.

345,715. ARTIFICIAL SPARKLING MINERAL WATER. CHARLES MEISEZAHL MANUFACTURING COMPANY, New York, N. Y.
Filed December 9, 1936. Serial No. 386,550. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,716. PAPER TOWELS. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed December 7, 1936. Serial No. 386,570. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,717. PAPER NAPKINS. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed December 7, 1936. Serial No. 386,571. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,718. MEDICINAL PREPARATION IN THE FORM OF AN OINTMENT AND ADAPTED FOR USE IN THE TREATMENT OF PILES, HEMORRHOIDS, AND RECTAL DISORDERS. DAUBERT AND KNIGHT, Columbus, Ohio.
Filed December 10, 1936. Serial No. 386,581. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,719. PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND PLANT BACTERICIDES. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Louisville, Ky.
Filed December 10, 1936. Serial No. 386,608. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,720. WOMEN'S DRESSES. TABIN-PICKER & COMPANY, Chicago, Ill.
Filed December 10, 1936. Serial No. 386,609. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,721. PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND PLANT BACTERICIDES. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Louisville, Ky.
Filed December 10, 1936. Serial No. 386,615. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,722. FACIAL TISSUES. THE STERILEK COMPANY INC., Brooklyn, N. Y.
Filed December 12, 1936. Serial No. 386,623. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,723. DRAPERY AND CURTAIN COVERS CONSISTING OF BAG-LIKE, SLEEVE-LIKE, OR ENVELOPE COVERS MADE OF CLOTH OR OTHER OPAQUE OR TRANSPARENT FLEXIBLE MATERIALS. EMILY DEWEY, doing business as Emily Dewey Studios, Lake Placid, Fla., and Lake Placid Club, N. Y.
Filed December 11, 1936. Serial No. 386,633. PUBLISHED FEBRUARY 23, 1937. Class 2.

345,724. VARIOUS PHARMACEUTICALS AND DRUG MEDICATION TO BE USED IN THE TREATMENT OF GONORRHEAL VAGINITIS IN CHILDREN, SENILE VAGINITIS, FUNCTIONAL DYSMENORRHEA DUE TO DEFICIENCY OF ESTRINE. ENDO PRODUCTS, INC., New York, N. Y.
Filed December 11, 1936. Serial No. 386,636. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,725. VARIOUS PHARMACEUTICALS AND DRUG MEDICATION TO BE USED IN THE TREATMENT OF IMPOTENCE, SEXUAL NERVOUS DEBILITY, EJACULATIO PRAECOX, DELAYED PUBERTY AND ENLARGEMENT OF THE PROSTATE. ENDO PRODUCTS, INC., New York, N. Y.
Filed December 11, 1936. Serial No. 386,637. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,726. PIECE GOODS OF COTTON, RAYON, SILK, WOOL, AND/OR COMBINATIONS THEREOF. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed December 11, 1936. Serial No. 386,642. PUBLISHED FEBRUARY 23, 1937. Class 42.

345,727. POWDER TO COMBAT GRUB WORMS IN CORN AND BARLEY. BENJAMIN F. GERLICHER, doing business as The Ben Gerlicher Company, Winona, Minn.
Filed December 11, 1936. Serial No. 386,646. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,728. ABSORBENT FACE CLEANSING SHEETS MADE OF PAPER. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed December 11, 1936. Serial No. 386,650. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,729. PREPARATION FOR THE RELIEF OF RHEUMATISM. NATIONAL REMEDY COMPANY, INC., New York, N. Y.
Filed December 11, 1936. Serial No. 386,653. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,730. SALVE FOR VETERINARY USES IN THE TREATMENT OF CHAPPED TEATS, CAKED AND INFLAMED BAGS, COW POX, WIRE CUTS, AND SHOULDER GALLS. D. M. CLEMENT, doing business as Mid-State Laboratories, Marshfield, Wis.
Filed December 12, 1936. Serial No. 386,676. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,731. MATTRESSES AND BOX SPRINGS. S. KARPEN & BROS., Chicago, Ill.
Filed December 12, 1936. Serial No. 386,681. PUBLISHED FEBRUARY 23, 1937. Class 32.

345,732. MATTRESSES AND BOX SPRINGS. S. KARPEN & BROS., Chicago, Ill.
Filed December 12, 1936. Serial No. 386,682. PUBLISHED FEBRUARY 23, 1937. Class 32.

345,733. FIBRE SCREW ANCHORS. PALATINE INDUSTRIAL CO., INC., New York, N. Y.
Filed December 12, 1936. Serial No. 386,690. PUBLISHED FEBRUARY 23, 1937. Class 13.

345,734. PERMANENT WAVING SOLUTIONS. EUGENE, LTD., New York, N. Y.
Filed December 14, 1936. Serial No. 386,705. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,735. TOILET SOAP. IRINEOS CASSIMATIS, Gary, Ind.
Filed December 14, 1936. Serial No. 386,722. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,736. MEDICINAL TABLET USED AS A HYPNOTIC AND SEDATIVE. GANE'S CHEMICAL WORKS, INC., New York, N. Y.
Filed December 14, 1936. Serial No. 386,729. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,737. PENCIL TABLETS, INK TABLETS, NOTE BOOKS, COMPOSITION BOOKS, MEMO BOOKS, MIMEOGRAPH PAPERS, RULED AND UNRULED SCHOOL PAPERS, TYPEWRITER PAPER, HEKTOGRAPH PAPER, AND NOTE BOOK FILLERS. THE RELIABLE SCHOOL SUPPLY AND EQUIPMENT COMPANY, Cincinnati, Ohio.
Filed December 14, 1936. Serial No. 386,742. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,738. GRAVITY ROOF VENTILATORS. THE SWARTWOUT COMPANY, Cleveland, Ohio.
Filed December 14, 1936. Serial No. 386,749. PUBLISHED FEBRUARY 23, 1937. Class 34.

345,739. TOILET PREPARATIONS AND COSMETICS—NAMELY, PERFUME, EXTRACT, TOILET WATER, FACE POWDER, BATH POWDER, BATH SALTS, ROUGE, AND SACHET. D'ORSAY SALES CORPORATION, New York, N Y.
Filed December 15, 1936. Serial No. 386,762. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,740. MEDICINAL PREPARATION FOR EXTERNAL USE IN THE TREATMENT OF ECZEMA, TETTER, IVY POISONING, MANGE, SYPHILITIC SORES, ATHLETE'S FOOT, PIMPLES, AND OTHER SORES. HARRY L. HERBERT, doing business as Herbert Manufacturing Co., Irving, Ill.
Filed December 15, 1936. Serial No. 386,765. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,741. TEXTILE FINISHING AGENT AND PRINTING ASSISTANT FOR PRINTING WITH VAT COLORS. RÖHM & HAAS COMPANY, Philadelphia, Pa.
Filed December 15, 1936. Serial No. 386,779. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,742. PAPER BAGS AND RECEPTACLES. ATLANTA PAPER COMPANY, Atlanta, Ga.
Filed December 16, 1936. Serial No. 386,785. PUBLISHED FEBRUARY 23, 1937. Class 2.

345,743. MEDICINAL TABLETS USED IN THE TREATMENT OF MINOR COLDS, SIMPLE LOCAL PAINS, AND UNCOMPLICATED MUSCULAR ACHES AND PAINS. BERTHA STACK FORD, doing business as Ford's Drug Stores, Cumberland, Md.
Filed December 16, 1936. Serial No. 386,800. PUBLISHED FEBRUARY 16, 1937. Class 6.

345,744. AUTO CLEANER AND SPOT REMOVER. GULF OIL CORPORATION, Pittsburgh, Pa.
Filed December 16, 1936. Serial No. 386,802. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,745. MOTOR LUBRICATING OIL. PENN CITY-NATIONAL OIL CO., Philadelphia, Pa.
Filed December 16, 1936. Serial No. 386,815. PUBLISHED FEBRUARY 23, 1937. Class 15.

345,746. INSIGNIA BADGES. UNITED CHROMIUM, INCORPORATED, New York, N. Y., and Waterbury, Conn.
Filed December 16, 1936. Serial No. 386,824. PUBLISHED FEBRUARY 23, 1937. Class 50.

345,747. WOMEN'S AND CHILDREN'S UNDERGARMENTS, SPECIFICALLY COMBINATIONS OF VESTS AND PANTS, STEP-INS, SLIPS, CHEMISES, AND VESTS. TRU-FIT UNDERGARMENT CORPORATION, Brooklyn, N. Y.
Filed December 16, 1936. Serial No. 386,828. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,748. OPTICAL OCCLUDERS. WATCHEMOKET OPTICAL COMPANY, East Providence, R. I.
Filed December 16, 1936. Serial No. 386,829. PUBLISHED FEBRUARY 23, 1937. Class 44.

345,749. RAW, DRESSED, AND/OR DYED AND/OR BLENDED FURS. APRIL-CUTTNER CORP., New York, N. Y.
Filed December 18, 1936. Serial No. 386,883. PUBLISHED FEBRUARY 23, 1937. Class 1.

345,750. LEAD PENCILS. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y.
Filed December 18, 1936. Serial No. 386,888. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,751. PERFUMES. GRENOVILLE, INC., New York, N. Y.
Filed December 18, 1936. Serial No. 386,893. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,752. ARCH SUPPORTS, BUNION CORRECTIVE APPLIANCES, AND TRUSSES. THE NEW SCIENCE INSTITUTE OF CORRECTIVE SERVICES, INC., St. Joseph, Mo.
Filed December 18, 1936. Serial No. 386,904. PUBLISHED FEBRUARY 23, 1937. Class 44.

345,753. LEATHER. A. C. LAWRENCE LEATHER COMPANY, Peabody, Mass.
Filed December 19, 1936. Serial No. 386,953. PUBLISHED FEBRUARY 23, 1937. Class 1.

345,754. LIQUID POLISHING WAX. NATIONAL SOLVENTS CO., Washington, D. C.
Filed December 19, 1936. Serial No. 386,958. PUBLISHED FEBRUARY 23, 1937. Class 16.

345,755. PERMANENT HAIR WAVING MACHINES. C. & W. MANUFACTURING CO., Chicago, Ill.
Filed December 21, 1936. Serial No. 386,983. PUBLISHED FEBRUARY 23, 1937. Class 44.

345,756. METAL POLISH IN POWDER FORM. JULES DONSHICK, Oakland, Calif.
Filed December 21, 1936. Serial No. 386,984. PUBLISHED FEBRUARY 23, 1937. Class 4.

345,757. ELECTRICAL POTENTIOMETERS FOR THE MEASUREMENT AND/OR CONTROL OF ELECTROMOTIVE FORCE OR ANY MAGNITUDE WHICH CAN BE REPRESENTED BY AN ELECTROMOTIVE FORCE. THE BRISTOL COMPANY, Waterbury, Conn.
Filed December 22, 1936. Serial No. 387,021. PUBLISHED FEBRUARY 23, 1937. Class 26.

345,758. PERFUMED RUBBING ALCOHOL (ALCOHOLADO), COLOGNE WATER, AND FACIAL POWDER. JOSÉ MIGUEL GIOL CABASSA, doing business as Laboratorios Granchel, Santurce, P. R.
Filed December 22, 1936. Serial No. 387,023. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,759. LIGHTING FLUID. ESTATE OF SAMUEL HECHT, doing business as Harlem Chemical Co., Long Island City, N. Y.
Filed December 22, 1936. Serial No. 387,037. PUBLISHED FEBRUARY 23, 1937. Class 6.

345,760. FRESH CITRUS FRUITS AND FRESH VEGETABLES. WETUMPKA FRUIT COMPANY, Hastings, Fla.
Filed December 22, 1936. Serial No. 387,052. PUBLISHED FEBRUARY 23, 1937. Class 46.

345,761. FRESH CITRUS FRUITS AND FRESH VEGETABLES. WETUMPKA FRUIT COMPANY, Hastings and Lowell, Fla.
Filed December 22, 1936. Serial No. 387,053. PUBLISHED FEBRUARY 23, 1937. Class 46.

345,762. SPECTROMETERS, POLARIMETERS, AND SPECTROGRAPHS. ADAM HILGER LIMITED, London, England.
Filed December 23, 1936. Serial No. 387,066. PUBLISHED FEBRUARY 23, 1937. Class 26.

345,763. WORK-TABLES, STANDS, CHUTES, CONVEYOR-RODS AND RACKS FOR USE IN MANUFACTURING CLOTHING AND THE LIKE. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J., and New York, N. Y.
Filed December 23, 1936. Serial No. 387,093. PUBLISHED FEBRUARY 23, 1937. Class 23.

345,764. RAZORS AND RAZOR BLADES. ATLANTIC BLADE CORPORATION, Brooklyn, N. Y.
Filed December 24, 1936. Serial No. 387,102. PUBLISHED FEBRUARY 23, 1937. Class 23.

345,765. TUBE SCRAPERS OR CLEANERS. HARRY J. FORSTER, Chicago, Ill.
Filed December 24, 1936. Serial No. 387,118. PUBLISHED FEBRUARY 23, 1937. Class 23.

345,766. CANNED MUSHROOMS. GROCERY PRODUCTS MANUFACTURING CORPORATION, New York, N. Y., doing business as Green Hill Mushroom Farms, West Chester, Pa.
Filed December 24, 1936. Serial No. 387,124. PUBLISHED FEBRUARY 23, 1937. Class 46.

345,767. DOLLS. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed December 28, 1936. Serial No. 387,169. PUBLISHED FEBRUARY 23, 1937. Class 22.

345,768. ELECTRIC FURNACES AND OVENS, ELECTRIC HEAT-TREATING FURNACES AND OVENS, AND REAGENT-TREATING RETORTS, ETC. LEEDS & NORTHRUP COMPANY, Philadelphia, Pa.
Filed December 28, 1936. Serial No. 387,192. PUBLISHED FEBRUARY 23, 1937. Class 21.

345,769. CHILDREN'S PLAYSUITS. SACKMAN BROTHERS COMPANY, New York, N. Y.
Filed December 28, 1936. Serial No. 387,211. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,770. WRITING AND PRINTING PAPER. STRATHMORE PAPER COMPANY, West Springfield, Mass.
Filed December 28, 1936. Serial No. 387,225. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,771. PAPER AND CARDS FOR CORRESPONDENCE, ANNOUNCEMENT, AND GREETING PURPOSES. STRATHMORE PAPER COMPANY, West Springfield, Mass.
Filed December 28, 1936. Serial No. 387,226. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,772. WRITING AND PRINTING PAPER. STRATHMORE PAPER COMPANY, West Springfield, Mass.
Filed December 28, 1936. Serial No. 387,227. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,773. DETONATING FUSE. THE ENSIGN-BICKFORD CO., Simsbury, Conn.
Filed December 29, 1936. Serial No. 387,241. PUBLISHED FEBRUARY 23, 1937. Class 9.

345,774. BOOK AND PRINTING PAPERS. FITCHBURG PAPER COMPANY, Fitchburg, Mass.
Filed December 29, 1936. Serial No. 387,243. PUBLISHED FEBRUARY 23, 1937. Class 37.

345,775. CLAYS. J. M. HUBER, INC., New York, N. Y.
Filed December 30, 1936. Serial No. 387,279. PUBLISHED FEBRUARY 23, 1937. Class 1.

345,776. WOMEN'S COATS AND SUITS. THE HECHT CO., Baltimore, Md., and Washington, D. C., also doing business as Hecht Bros., Baltimore, Md., and New York, N. Y., and The Hub, Baltimore, Md.
Filed December 31, 1936. Serial No. 387,324. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,777. OIL PLASTIC TEXTURE WALL PAINT. ROBERT HUMPHREYS, doing business as Humphreys Specialty Co., Rochester, N. Y.
Filed December 31, 1936. Serial No. 387,327. PUBLISHED FEBRUARY 23, 1937. Class 16.

345,778. CRACKERS, BISCUITS, AND CAKES. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y.
Filed December 31, 1936. Serial No. 387,337. PUBLISHED FEBRUARY 23, 1937. Class 46.

345,779. CRACKERS, BISCUITS, AND CAKES. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y.
Filed December 31, 1936. Serial No. 387,339. PUBLISHED FEBRUARY 23, 1937. Class 46.

345,780. INFANTS' AND CHILDREN'S UNDERGARMENTS. SILVEROD MFG. CO., INC., New York, N. Y.
Filed December 31, 1936. Serial No. 387,353. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,781. CHILDREN'S AND LADIES' DRESSES. LIBBY DRESS CO., New York, N. Y.
Filed January 2, 1937. Serial No. 387,382. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,782. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed January 4, 1937. Serial No. 387,443. PUBLISHED FEBRUARY 23, 1937. Class 22.

345,783. MEN'S AND YOUNG MEN'S SUITS AND OVERCOATS. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio.
Filed January 4, 1937. Serial No. 387,445. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,784. CANNED FOOD FOR DOGS AND OTHER CARNIVOROUS ANIMALS. VIMPEP FOODS, INC., Cambridge, Md.
Filed January 4, 1937. Serial No. 387,446. PUBLISHED FEBRUARY 23, 1937. Class 46.

345,785. WATER COLORS. BINNEY & SMITH CO., New York, N. Y.
Filed January 6, 1937. Serial No. 387,490. PUBLISHED FEBRUARY 23, 1937. Class 16.

345,786. BAGS CONSTRUCTED OF WAX PAPER, "CELLOPHANE", GLASSINE, AND OTHER TRANSPARENT MATERIAL. BROOKS PAPER COMPANY, St. Louis, Mo.
Filed January 6, 1937. Serial No. 387,494. PUBLISHED FEBRUARY 23, 1937. Class 2.

345,787. ICE SKATES AND SKATE OUTFITS, THE LATTER CONSISTING OF ATTACHED SHOES AND SKATES. NESTOR JOHNSON MANUFACTURING COMPANY, Chicago, Ill.
Filed January 13, 1937. Serial No. 387,724. PUBLISHED FEBRUARY 23, 1937. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

345,788. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LLOYD SOAP CO. INC., New York, N. Y. Filed Dec. 31, 1936. Serial No. 387,332.

PASTEURIZED

For Toilet Soap.
Claims use since Dec. 5, 1935.

345,789. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COAST KNITTING MILLS, INC., New York, N. Y. Filed Jan. 11, 1937. Serial No. 387,658.

Chiffon Angora

For Knitted Piece Goods of Wool, Mohair, Kid Angora, Rabbit Hair, Cotton, and Rayon, and All Mixtures and Combinations of Said Materials.
Claims use since June, 1933.

345,790. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT E. MALLARD, Detroit, Mich. Filed Jan. 19, 1937. Serial No. 387,948.

Temagami Balsam

For a Preparation for the Treatment of Acute and Subacute Gonorrhea, Gleet, Cystitis, and Prostatitis in Tablet Form.
Claims use since Apr. 2, 1930.

345,791. (CLASS 11. INKS AND INKING MATERIALS.) THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y. Filed Jan. 29, 1937. Serial No. 388,321.

Holdfast

For Printing Inks.
Claims use since July, 1932.

345,792. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PASCAL COMPANY, Seattle, Wash. Filed Jan. 29, 1937. Serial No. 388,330.

Breatheasy

For Inhalants.
Claims use since Sept. 25, 1934.

345,793. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BAY VIEW CRUSHING COMPANY, INC., Biloxi, Miss. Filed Feb. 11, 1937. Serial No. 388,751.

HEALTH
BRAND

For Crushed Oyster Shells for Poultry.
Claims use since January, 1929.

345,794. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) OXFORD MINING & MILLING CO., New York, N. Y. Filed Feb. 18, 1937. Serial No. 389,096.

OXFORD CRYSTAL
FELDSPAR

For Feldspar.
Claims use since April, 1929.

345,795. (CLASS 47. WINES.) K. ARAKELIAN, INC., Madera, Calif. Filed Jan. 2, 1934. Serial No. 345,533.

Madera
BRAND

MADERA WINERIES & DISTILLERIES
K. ARAKELIAN INC.

For Wines.
Claims use since May 9, 1933.

345,796. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN S. NICHOLS, Wichita Falls, Tex. Filed Feb. 27, 1936. Serial No. 375,305.

"NICHOL'S"

For Medicine for Use in the Treatment of Rheumatism and Lumbago.
Claims use since Feb. 18, 1936.

345,797. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN SMELTING AND REFINING COMPANY, New York, N. Y. Filed Mar. 3, 1936. Serial No. 375,489.

NO-SET

For Nonferrous Metals, Particularly Copper Wire Bars.
Claims use since Feb. 28, 1936.

345,798. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) AMERICAN NICKELOID COMPANY, Peru, Ill. Filed Mar. 16, 1936. Serial No. 376,026.

METAL-BORD

For Sheet Metal with Cardboard or Fiber Backing for Various Uses in the Industrial Arts.
Claims use since Mar. 4, 1936.

345,799. (CLASS 37. PAPER AND STATIONERY.) INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 27, 1936. Serial No. 376,475.

KELVIN

For Absorbent Face Cleansing Sheets Made of Paper.
Claims use since Mar. 16, 1936.

345,800. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RUSTAIN PRODUCTS INCORPORATED, New York, N. Y. Filed Mar. 28, 1936. Serial No. 376,546.

NORINCE

For Cleansing Powder for Floors, Windows, Painted Surfaces.
Claims use since Feb. 15, 1936.

345,801. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEALTH BREAD CORPORATION, New York, N. Y. Filed Apr. 14, 1936. Serial No. 377,186.



For Bread and Cake.
Claims use since March, 1927.

345,802. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE HOLLAND MANUFACTURING CO., Baltimore, Md. Filed June 4, 1936. Serial No. 379,298.

SAFE-T-GRIP

For Rivets.
Claims use since Mar. 24, 1936.

345,803. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) NUSSBAUM LIQUOR STORE, INC., New York, N. Y. Filed July 11, 1936. Serial No. 380,920.

DUNCAN SMITH

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Jan. 2, 1936.

345,804. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WARREN-TEED PRODUCTS COMPANY, Columbus, Ohio. Filed Aug. 7, 1936. Serial No. 381,925.

Thi-Mol

For Alkaline Antiseptic Capsule Used for Making a Solution Employable as a Gargle, Mouth Wash, and also Usable as a Hemostatic when Used in Cold Water.
Claims use since December, 1925.

345,805. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JUNKERS & CO. GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dessau, Germany. Filed Oct. 9, 1936. Serial No. 384,158.

JUNKERS

For Base Metal Cooking, Frying, Baking, and Roasting Pots, Kettles and Pans, Warming or Baking Hoods, Roasters, Gridirons, Griddles, Cooking Plates, Heating Plates, Bath Tubs, Sinks, Sprays, Roses (Sprinklers), Hand Showers, Shower Holding Clips, Thermostat and Safety Showers, Lavatories, Bidets, Spigots, Stuffing Boxes, Traps, Finned and Laminated Tubing, Gas, Water, and Steam Pipe and Pipe Fittings, Boiler, Furnace, and Water Heater Fittings, Shampoo, and Bath-Tub Fittings, Spouts, Valves, Cocks, Faucets and Sprinklers for the Controlled Delivery of Heated Water, Pressure Regulators, Liquid Level Controllers, Vacuum Regulators, Reducing Valves, Diverter Valves, Mixing Valves, Control Valves, Float Valves, Blow-Off Valves, By Pass Valves, Stop and Cut-Off Valves, Reverse Flow Preventing, Back Pressure and Check Valves, Relief Valves, Safety Valves, Vent Valves, Flushing Valves, Valves for Use with Chronometers, Solenoids, Thermostats and Other Controllers, Hydraulically and Pneumatically Operated Valves, Safety Stop Valves and Governors, Excess or Differential Pump Governors, Oil Pump Governors, Tank Controllers, Vaporizing and Spray Nozzles, Flow and Pressure Regulators and Governors for Gases and Liquids.
Claims use since 1896.

345,806. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ABRAMS & LINDEN, INC., New York, N. Y. Filed Nov. 20, 1936. Serial No. 385,768.

SILVER BEAVER

For Furs (Dyed Coney) in the Piece.
Claims use since September, 1935.

345,807. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) I. J. CONNELL, Laramie, Wyo. Filed Nov. 21, 1936. Serial No. 385,831.



For Trout Flies.
Claims use since July 1, 1933.

345,808. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) C. HOWARD HUNT PEN COMPANY, Camden, N. J. Filed Dec. 31, 1936. Serial No. 387,326.

Speed-Cutters

For Pencil Sharpening Machines.
Claims use since July 21, 1932.

TRADE-MARK REGISTRATIONS RENEWED

103,705. HAIR-POMADE OR DRESSING FOR HAIR. Registered April 13, 1915. THE RELIABLE HAIR STORE, INC. Renewed April 13, 1935, to Oster Gates, doing business as Reliable Hair Store, Norfolk, Va., successor.

115,785. LEMONS. Registered March 6, 1917. MURPHY OIL COMPANY, East Whittier, Calif. Renewed March 6, 1937, to Murphy Ranch, Whittier, Calif., a corporation of California, successor.

115,822. REFINED PETROLEUM. Registered March 6, 1917. TIDE WATER OIL CO. Renewed March 6, 1937, to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

115,901. GRAMOPHONES, PHONOGRAPHS, AND RECORDS FOR THE SAME. Registered March 20, 1917. BARNETT SAMUEL & SONS, LTD., London, England. Renewed March 20, 1937, to Decca Records, Inc., New York, N. Y., a corporation of New York, assignee.

115,967. FOUNTAIN AND STYLOGRAPHIC PENS. Registered March 27, 1917. EDWARD HUGETZ, New York, N. Y. Renewed March 27, 1937.

116,024. A LIQUID SHOE-CLEANER, A LIQUID SHOE-POLISH, AND A LIQUID SHOE-DRESSING. Registered March 27, 1917. CHRIST A. ZOES. Renewed March 27, 1937, to C. A. Zoes Manufacturing Co., Chicago, Illinois, a corporation of Illinois, assignee.

116,125. PHOTOGRAPHIC FILM. Registered April 10, 1917. EASTMAN KODAK CO. Renewed April 10, 1937, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

116,126. PHOTOGRAPHIC FILM. Registered April 10, 1917. EASTMAN KODAK CO. Renewed April 10, 1937, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

116,127. PHOTOGRAPHIC FILM. Registered April 10, 1917. EASTMAN KODAK CO. Renewed April 10, 1937, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

116,128. PHOTOGRAPHIC FILM. Registered April 10, 1917. EASTMAN KODAK CO. Renewed April 10, 1937, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

116,129. PHOTOGRAPHIC FILM. Registered April 10, 1917. EASTMAN KODAK CO. Renewed April 10, 1937, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

116,167. ILLUMINATING-OILS. Registered April 10, 1917. TIDE WATER OIL CO. Renewed April 10, 1937, to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

116,245. FOOT-SOAPS. Registered April 17, 1917. SCHOLL MANUFACTURING COMPANY, INC. Renewed April 17, 1937, to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York, by change of name.

116,344. ORANGES, LEMONS, AND GRAPE-FRUIT. Registered April 24, 1917. MURPHY OIL COMPANY, East Whittier, Calif. Renewed April 24, 1937, to Murphy Ranch, Whittier, Calif., a corporation of California, successor.

116,369. ARCH-SUPPORTS. Registered April 24, 1917. SCHOLL MANUFACTURING COMPANY, INC. Renewed April 24, 1937, to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York, by change of name.

116,370. ARCH-SUPPORTS. Registered April 24, 1917. SCHOLL MANUFACTURING COMPANY, INC. Renewed April 24, 1937, to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York, by change of name.

116,379. MEDICATED WADDING. Registered April 24, 1917. THE THERMOGÈNE CO., LIMITED, Haywards Heath, England. Renewed April 24, 1937, to The Genotherm Corporation, New York, N. Y., a corporation of New York, assignee.

117,072. CERTAIN NAMED CLOTHING FOR WOMEN. Registered June 12, 1917. CAROLYN T. WINDMULLER, New York, N. Y. Renewed June 12, 1937, to Carolyn T. Windmuller, Dobbs Ferry, N. Y.

117,206. CORN-PLASTERS. Registered June 19, 1917. SCHOLL MANUFACTURING COMPANY, INC. Renewed June 19, 1937, to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York, by change of name.

117,207. INSTEP-ARCH SUPPORTS. Registered June 19, 1917. SCHOLL MANUFACTURING COMPANY, INC. Renewed June 19, 1937, to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York, by change of name.

117,589. SOAP AND MORE PARTICULARLY POWDERED SOAP. Registered July 17, 1917. S. B. PENICK & COMPANY, INC. Renewed July 17, 1937, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, successor.

117,930. ARCH-SUPPORTS. Registered August 7, 1917. SCHOLL MANUFACTURING COMPANY, INC. Renewed August 7, 1937, to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York, by change of name.

118,083. A COMPOSITION FOR USE IN THE PREPARATION OF EMULSIONS. Registered August 14, 1917. S. B. PENICK & COMPANY, INC. Renewed August 14, 1937, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, successor.

118,213. LEDGER-PAPER. Registered August 21, 1917. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Renewed August 21, 1937.

118,224. LEATHER BELTING AND LEATHER MACHINERY PACKING. Registered August 21, 1917. CHAS. A. SCHIEREN COMPANY, New York, N. Y., a corporation of New York. Renewed August 21, 1937.

118,248. CERTAIN NAMED CONSTRUCTION MATERIALS. Registered August 21, 1917. THE WESTERN ELATERITE ROOFING CO., Denver, Colo., a corporation of Colorado. Renewed August 21, 1937.

118,333. PROPHYLACTIC BODKINS. Registered August 28, 1917. JULES J. SARRAZIN. Renewed August 28, 1937, to Jane H. Sarrazin, executrix of the estate of Jules J. Sarrazin, deceased, New Orleans, La.

118,465. WHEAT-FLOUR. Registered September 11, 1917. FISHER FLOURING MILLS CO., Seattle, Wash., a corporation of Washington. Renewed September 11, 1937.

118,485. SHORTENING COMPOSED OF COTTON-SEED OIL AND OLEO-STEARIN. Registered September 18, 1917. ARMSTRONG PACKING COMPANY. Renewed September 18, 1937, to Armstrong Packing Company, Dallas, Tex., a corporation of Texas, assignee.

118,501. FOODS—NAMELY, PREPARED STOCK AND POULTRY FOODS. Registered September 18, 1917. DARLING & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 18, 1937.

118,509. WRITING-PENS OF ALL KINDS. Registered September 18, 1917. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J., a corporation of New Jersey. Renewed September 18, 1937.

118,573. SUSPENDERS. Registered September 18, 1917. PRESIDENT SUSPENDER COMPANY. Renewed September 18, 1937, to President Suspender Company, Shirley, Mass., a corporation of Massachusetts, assignee.

LABELS

REGISTERED MAY 4, 1937

49,241.—*Title:* ADA MILLING COMPANY FLOUR (BROWN AND WHITE PATTERN ON YELLOW BACKGROUND). For Flour. ADA MILLING COMPANY, Ada, Okla. Published February 15, 1937.

49,242.—*Title:* ADA MILLING COMPANY FLOUR (WHITE DAISIES, BLUE FOLIAGE, MAROON AND WHITE BACKGROUND). For Flour. ADA MILLING COMPANY, Ada, Okla. Published February 15, 1937.

49,243.—*Title:* ADA MILLING COMPANY FLOUR (LARGE, LOOSE BASKET WEAVE PATTERN IN RED, WHITE AND BLUE, WITH MAROON BACKGROUND). For Flour. ADA MILLING COMPANY, Ada, Okla. Published February 15, 1937.

49,244.—*Title:* OLD BARON. For Special Dark Beer. AMERICAN BREWERY, INC., Baltimore, Md. Published February 5, 1937.

49,245.—*Title:* ANTROL FLEA POWDER. For Flea Powder. ANTROL LABORATORIES, INC., Los Angeles, Calif. Published December 1, 1936.

49,246.—*Title:* BREIDT'S. For Ale. PETER BREIDT BREWING COMPANY, Elizabeth, N. J. Published October 7, 1936.

49,247.—*Title:* BEECH-NUT BEANS. For Kosher Beans. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published March 18, 1937.

49,248.—*Title:* CELCURE. For a Wood Preservative. CELCURE SOUTHERN CORPORATION, Jacksonville, Fla. Published February 18, 1937.

49,249.—*Title:* SUNFILLED. For Orange Juice. CITRUS CONCENTRATES, INC., Dunedin, Fla. Published March 29, 1937.

49,250.—*Title:* THE P & S SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published January 5, 1937.

49,251.—*Title:* EXCLUSIVE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published March 30, 1937.

49,252.—*Title:* ORIGINAL LOGANBERRY NECTAR. For Wine. THE CONNOISSEUR WINERIES, Seattle, Wash. Published January 27, 1937.

49,253.—*Title:* DIENST PEACHES. For Peaches. HENRY A. DIENST, Columbus, Ohio. Published March 19, 1936.

49,254.—*Title:* DUFF'S SPICE CAKE MIX. For Spice Cake Mixture. P. DUFF & SONS, INC., Pittsburgh, Pa. Published November 9, 1936.

49,255.—*Title:* ALL TIME. For Canned Pork and Beans. FREMONT CANNING COMPANY, Fremont, Mich. Published January 22, 1937.

49,256.—*Title:* WHEATIES. For Whole Wheat Flakes. GENERAL MILLS, INC., Minneapolis, Minn. Published March 18, 1937.

49,257.—*Title:* VICTOR COFFEE. For Coffee. MARTIN L. HALL COMPANY, Boston, Mass. Published February 5, 1937.

49,258.—*Title:* SOMERSET CLUB COFFEE. For Coffee. MARTIN L. HALL COMPANY, Boston, Mass. Published February 5, 1937.

49,259.—*Title:* EISENBERG'S QUALITY SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 28, 1936.

49,260.—*Title:* THE NORMANDIE OPERA PUMP. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 2, 1936.

49,261.—*Title:* PENNINGTON SHOES CUSTOM MADE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 20, 1936.

49,262.—*Title:* HONG KONG. For Bean Sprouts. HONG KONG FOOD PRODUCTS CO., Chicago, Ill. Published April 7, 1936.

49,263.—*Title:* HONG KONG. For Meatless Chop Suey. HONG KONG FOOD PRODUCTS CO., Chicago, Ill. Published August 31, 1936.

49,264.—*Title:* HONG KONG. For Chop Suey Vegetables. HONG KONG FOOD PRODUCTS CO., Chicago, Ill. Published April 7, 1936.

49,265.—*Title:* LEGION CIGARS. For Cigars. LEGION PRODUCTS CO., Buffalo, N. Y. Published February 5, 1937.

49,266.—*Title:* LEON-FERENBACH NEW PROCESS YARN. For Yarn. THE LEON-FERENBACH SILK COMPANY, INC., New York, N. Y. Published February 1, 1937.

49,267.—*Title:* LEGION CIGARETTES. For Cigarettes. HENRY P. LEVESQUE, Buffalo, N. Y. Published January 8, 1937.

49,268.—*Title:* PECTO. For a Medicinal Compound Used as a Treatment for Colds. ROALD G. OFTEL, doing business as Pecto Laboratories, St. Paul, Minn. Published January 20, 1937.

49,269.—*Title:* BRER RABBIT. For Gingerbread Flour. PENICK & FORD, LTD. INC., New York, N. Y. Published January 23, 1936.

49,270.—*Title:* WASH CLOTHS FOR BABY. For Wash Cloths for Babies. PUTNAM KNITTING COMPANY, Cohoes, N. Y. Published February 15, 1937.

49,271.—*Title:* QUALITY BAKERS OF AMERICA. For Bakery Products. QUALITY BAKERS OF AMERICA, INC., New York, N. Y. Published June 27, 1935.

49,272.—*Title:* QUALITY BAKERS OF AMERICA. For Bakery Products. QUALITY BAKERS OF AMERICA, INC., New York, N. Y. Published June 27, 1935.

49,273.—*Title:* QUALITY BAKERS OF AMERICA. For Bakery Products. QUALITY BAKERS OF AMERICA, INC., New York, N. Y. Published June 27, 1935.

49,274.—*Title:* QUALITY BAKERS OF AMERICA. For Bakery Products. QUALITY BAKERS OF AMERICA, INC., New York, N. Y. Published June 27, 1935.

49,275.—*Title:* QUALITY BAKERS OF AMERICA. For Bakery Products. QUALITY BAKERS OF AMERICA, INC., New York, N. Y. Published June 27, 1935.

49,276.—*Title:* QUALITY BAKERS OF AMERICA. For Bakery Products. QUALITY BAKERS OF AMERICA, INC., New York, N. Y. Published June 27, 1935.

49,277.—*Title:* QUALITY BAKERS OF AMERICA. For Bakery Products. QUALITY BAKERS OF AMERICA, INC., New York, N. Y. Published June 27, 1935.

49,278.—*Title:* QUALITY BAKERS OF AMERICA. For Bakery Products. QUALITY BAKERS OF AMERICA, INC., New York, N. Y. Published June 27, 1935.

49,279.—*Title:* CAMELLIA. For Fresh Oranges. REDLANDS MUTUAL ORANGE ASSN., Redlands, Calif. Published January 2, 1937.

49,280.—*Title:* ORANGE BLOSSOM. For Fresh Oranges. REDLANDS MUTUAL ORANGE ASSN., Redlands, Calif. Published January 29, 1937.

49,281.—*Title:* DOOR-EASE DRIPLESS PENETRATING OIL. For a Dripless Penetrating Oil for Hinges, Locks, Etc. FLORENCE ROSEN, doing business as American Grease Stick Company, Muskegon Heights, Mich. Published November 30, 1936.

49,282.—*Title:* 'SALADA' MIXED TEA. For Mixed Tea. SALADA TEA CO., (INC.), Boston, Mass. Published January 2, 1937.

49,283.—*Title:* 'SALADA' MIXED TEA. For Mixed Tea. SALADA TEA CO., (INC.), Boston, Mass. Published January 2, 1937.

49,284.—*Title:* SEALED SAFE MOTOR OIL. For Motor Oil. SEALED SAFE COMPANY, St. Louis, Mo. Published February 15, 1937.

49,285.—*Title:* SEALEX. For Toilet Tissue. STEVENS & THOMPSON PAPER CO., New York, N. Y. Published December 21, 1936.

49,286.—*Title:* DEERWOOD. For Tomatoes. UNITED BUYERS CORPORATION, Chicago, Ill. Published October 1, 1934.

49,287.—*Title:* WONDER RED WAX. For Use on Skis. FRITZ H. WIESSNER, Brooklyn, N. Y. Published October 5, 1936.

PRINTS

REGISTERED MAY 4, 1937

16,170.—*Title:* CANDY FOR EASTER. For Confectionery. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published March 19, 1937.

16,171.—*Title:* EASTER CANDY. For Confectionery. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published March 23, 1937.

16,172.—*Title:* CANDY FOR EASTER. For Confectionery. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published March 26, 1937.

16,173.—*Title:* THE HOUSE OF A MILLION NUTS. For Candy and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published March 29, 1937.

16,174.—*Title:* THE SWEETEST SPOT IN TOWN. For Candy and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published March 31, 1937.

16,175.—*Title:* A TAILOR-MADE RUG. For Rugs and Carpets. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published March 5, 1937.

16,176.—*Title:* FIGHTING HIS HARDEST BATTLE NOW! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published January 31, 1937.

16,177.—*Title:* THE SONG SHOP. For a Beverage. THE COCA-COLA COMPANY, Atlanta, GA. Published February 27, 1937.

16,178.—*Title:* HOW DIFFERENT NEW WAY MAKES CAKES BETTER 8 WAYS. For Cake Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published March 16, 1937.

16,179.—*Title:* HOLLOWAY'S Rx. For a Preparation for the Feet. HOLLOWAY, INC., Duluth, Minn. Published February 1, 1937.

16,180.—*Title:* A PRIZED PACKAGE TO MAKE WARM FRIENDS. For Packaged Coal Briquettes. POCAHONTAS FUEL COMPANY INCORPORATED, New York, N. Y. Published February 2, 1937.

16,181.—*Title:* SO MUCH MORE ENJOYMENT WHEN YOU SAY PABST, AD. NO. 3509. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published March 23, 1937.

16,182.—*Title:* SO MUCH MORE REFRESHMENT WHEN YOU SAY PABST, AD. NO. 735. For Beer. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published March 18, 1937.

16,183.—*Title:* SO MUCH MORE ENJOYMENT WHEN YOU SAY PABST, AD. NO. 2507. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published February 12, 1937.

16,184.—*Title:* SO MUCH MORE SATISFYING WHEN YOU SAY PABST, AD. NO. 2508. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published February 25, 1937.

16,185.—*Title:* SO MUCH MORE FLAVOR WHEN YOU SAY—PABST, AD. NO. 3203. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published March 24, 1937.

16,186.—*Title:* SAFETY FOR MOTOR CARS. For Glare Preventing Devices for Headlights. THE RIFLESSO MANUFACTURING CO., Rochester, N. Y. Published March 10, 1937.

REISSUES

MAY 4, 1937

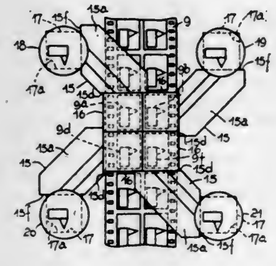
20,346

MOTION PICTURE PROJECTOR

André Callier, Gand, and Fernand Heger, Uccle, Belgium

Original No. 2,027,675, dated January 14, 1936, Serial No. 703,464, December 21, 1933. Application for reissue February 24, 1937, Serial No. 127,532. In Belgium December 24, 1932

1 Claim. (Cl. 88—16.6)



A motion picture projector, comprising four projecting lenses for simultaneously projecting four neighboring images of a normal film on which these images are registered in such a way that two images lie side by side in each normal image space of the film but require to be rotated through 90° when projected, and an optical system between each image on the film and the corresponding projecting lens, each optical system consisting of a right angled isosceles roof prism of which the plane of symmetry which passes through the edge of the roof is perpendicular to the direction of projection, and of two ordinary right angled prisms cemented by one of their cathetus faces to one of the end faces of the roof prism, the two ordinary right angled prisms being arranged with their free cathetus faces parallel to and on opposite sides of the said plane of symmetry, the ordinary right angled prisms of each optical system being disposed in the direction of a diagonal of the rectangle formed by the four images to be simultaneously projected, one of these right angled prisms being in front of the corresponding image and the other in front of the corresponding projecting lens.

20,347

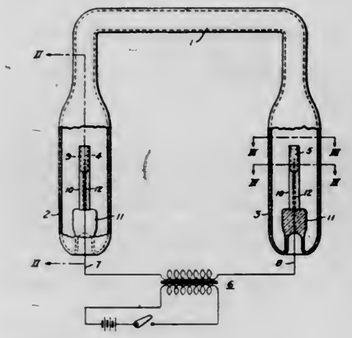
LUMINOUS TUBE

Joseph E. Gross, Swissvale, Pa., assignor to Aurora Sign Company, a corporation of Pennsylvania

Original No. 1,879,740, dated September 27, 1932, Serial No. 316,707, November 2, 1928. Application for reissue September 27, 1934, Serial No. 745,828

18 Claims. (Cl. 176—126)

1. An electron emissive electrode for luminous tubes comprising a lead-in conductor embedded



in a sintered mass of nickel, barium oxide and strontium oxide.

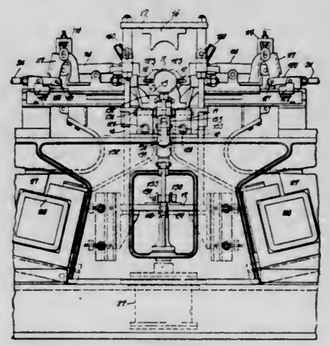
20,348

WELDING MACHINE

Le Roy H. Hoffer, Brooklyn, N. Y., assignor to Metropolitan Engineering Company, Brooklyn, N. Y., a corporation of New York

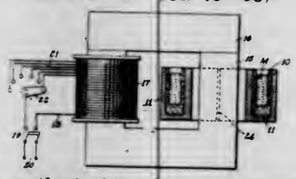
Original No. 1,968,079, dated July 31, 1934, Serial No. 589,347, January 28, 1932. Application for reissue July 18, 1936, Serial No. 91,436

8 Claims. (Cl. 219—4)



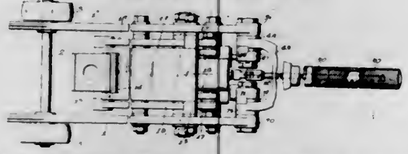
2. An electric resistance welding machine for applying attachments to a main work-piece including in combination means for welding said attachments in succession to the main work-piece, a clamp for holding the work-piece during the welding operations, a second clamping means for gripping the work-piece, mechanism for retracting the first clamp and operating the second clamping means to grip the work-piece between welding operations, and means for advancing said second clamping means and the work-piece.

20,349
TREATMENT OF METALS BY ELECTRO-MAGNETIC FORCES
Walter W. Hoke, Forest Hills, N. Y., assignor to Westcott Electric Casting Corporation, New York, N. Y., a corporation of New York
Original No. 2,013,653, dated September 10, 1935, Serial No. 696,940, November 7, 1933. Application for reissue July 30, 1936, Serial No. 93,429
32 Claims. (Cl. 75—93)



1. The method of treating a conducting material, which comprises passing an electric current through the material in the liquid state and simultaneously electromagnetically inducing in cooperation with said current unidirectional or substantially unidirectional forces within the material, the forces of varied directions normally produced by passage of current alone being eliminated or materially eliminated.

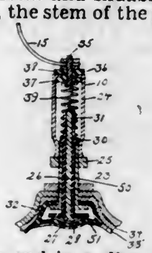
20,350
HYDRAULIC JACK
Edward M. Pfauser, Milwaukee, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Original No. 1,873,473, dated August 23, 1932, Serial No. 503,739, December 20, 1930. Application for reissue November 13, 1933, Serial No. 697,867
14 Claims. (Cl. 254—2)



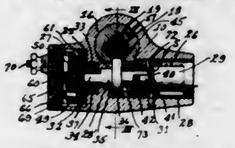
1. In a vehicle lifting jack, a wheeled frame, a load engaging member movably mounted on the frame, a ram mounted on the frame operatively connected to said load engaging member, a pair of pump units for actuating the ram, each including a piston, a pair of transversely aligned stub shafts on the frame, an operating handle having a yoke on its inner end, the arms of the yoke being rockable on the stub shafts, a rockable lever on each shaft operated by the adjacent arm of the yoke, and means operatively connecting the levers independently of one another to a piston.

20,351
TIRE DEFLATION INDICATOR
George B. Rodney, San Antonio, Tex.
Original No. 1,984,084, dated December 11, 1934, Serial No. 685,889, August 19, 1933. Application for reissue December 7, 1936, Serial No. 114,674
3 Claims. (Cl. 200—58)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A pressure responsive switch adapted to be mounted in the rim of an automobile wheel, said switch comprising an externally threaded metallic main stem having one end extended through and clamped to the radial outward surface of said rim, a central plunger comprising a stem threaded at its upper extremity for the reception of a contact nut, said contact nut having a flanged extremity adapted to serve as an electrical contact surface in conjunction with the upper extremity of the main stem, a cylindrical insulating sheath surrounding the unthreaded portion of the plunger stem and slidably mounted within said main stem, the stem of the plunger terminating at its lower end in a disc, insulating means extending from the lower end of the sheath and overlying said disc to insulate the upper surface of said disc against short-circuiting contact with the main stem, a cap adjustably fitted to the main stem, means for retaining said cap in any predetermined position along said stem and a spring interposed between the flange of the contact nut and the top of the cap, and an insulated terminal fitted in the top of said cap and connected to said spring.



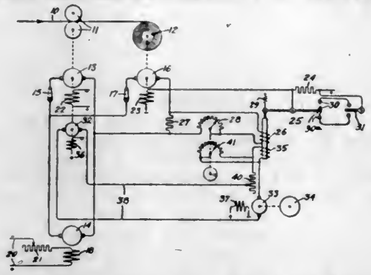
20,352
AUTOMOBILE LOCK STRUCTURE
Frederick A. Smith, North Chicago, Ill., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan
Original No. 2,036,370, dated April 7, 1936, Serial No. 727,615, May 26, 1934. Application for reissue June 3, 1936, Serial No. 83,317
8 Claims. (Cl. 200—44)



6. In a combined steering post and ignition lock, an actuating structure axially movable into either one of two operating fields, a locking member, a control for an ignition circuit, said actuating structure when moved into one of said fields being rotatable to cause movement of said locking member to lock or unlock the steering post, and when moved into the other field being operable to actuate said circuit control to open or close the circuit without locking of said steering post by said member.

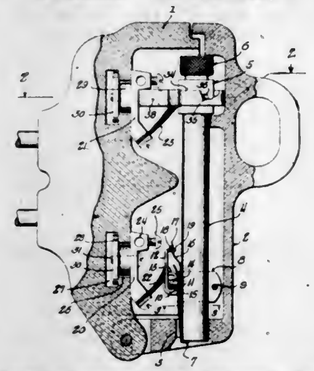
20,353
MOTOR CONTROL SYSTEM
Leonid A. Umansky, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original No. 2,021,757, dated November 19, 1935, Serial No. 693,138, October 11, 1933. Application for reissue December 8, 1936, Serial No. 114,786
25 Claims. (Cl. 242—75)

23. A control system comprising a plurality of dynamo electric machines connected to a strip of material, a regulator for maintaining the current flow in one of said machines substantially constant, and means responsive to the rate of



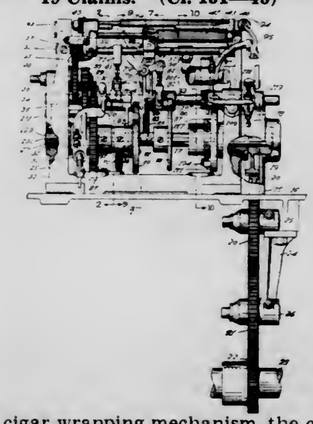
change of speed of another of said machines for varying the setting of said regulator.

20,354
FUSE CONSTRUCTION
Hiram K. Watson, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Original No. 1,987,039, dated January 8, 1935, Serial No. 636,434, October 6, 1932. Application for reissue July 13, 1936, Serial No. 90,393
20 Claims. (Cl. 200—133)



1. A fuse comprising a housing, terminals mounted within said housing, one of said terminals having a contact, the other of said terminals having a U-shaped spring contact provided with inturned portions, a door for said housing, a fuse cartridge carried by said door, said fuse cartridge having a contact adjacent one end provided with indentations, a spring clip carried by said door and provided with projections adapted to enter the indentations of said fuse contact, said spring clip having projecting ends adapted to be received between the inturned ends of the said U-shaped spring contact, said fuse cartridge having a second contact engageable by said first mentioned contact.

20,355
CIGAR-WRAPPING MECHANISM
John F. Halstead, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Original No. 1,915,277, dated June 27, 1933, Serial No. 270,094, April 14, 1928. Application for reissue April 16, 1935, Serial No. 16,660
19 Claims. (Cl. 131—45)

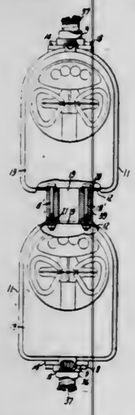


1. In cigar wrapping mechanism, the combination with a stationary shaft, of opposed brackets pivoted on said shaft, a side roller and a top roller carried by each bracket with their lines of contact with a bunch equidistantly spaced from the corresponding rollers of the other bracket, and a group of tuck rollers supported by said shaft.

PATENTS

GRANTED MAY 4, 1937

2,078,920
METER CASING
Thomas A. Abbott, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application January 17, 1936, Serial No. 59,594
5 Claims. (Cl. 247—2)



1. An electric meter casing comprising in combination, a meter-receiving box having a conductor-receiving opening, a cover for said box, said box having a ridge around said opening, a conduit-receiving removable nipple, and bolts and nuts for securing said nipple to said box over said conductor-receiving opening, said nipple being rabbeted to fit over said ridge and flat against said box, said nipple having a projecting internally-threaded conduit-receiving annular portion and wings adjacent thereto with bolt holes for receiving said bolts, said box having bolt holes registering therewith, said bolts having non-circular heads of such size as to engage the side of the annular projecting portion of said nipple to prevent turning of said bolts and said nuts being secured on said bolts from the inside of said box, whereby said nipple cannot be removed and access to the interior of said meter casing cannot be gained without removing the cover thereof.

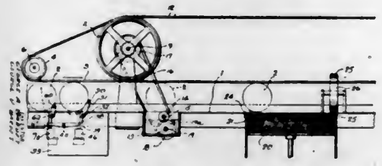
2,078,921
COATING COMPOSITION
Alfonso M. Alvarado, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 28, 1933, Serial No. 700,159
4 Claims. (Cl. 134—51)

1. A coating composition, the films of which are substantially free from frosting and wrinkling upon drying, said composition comprising an anti-wrinkling agent and a homogeneous mixture of raw China-wood oil and asphalt containing between 60 and 400 pounds of raw China-wood oil for each hundred pounds of asphalt, said agent being selected from the class consisting of organic hydroxy compounds and amines, and having a boiling point above 200° C.

2,078,922
SYNTHESIS OF HIGHER AMINES
Herrick R. Arnold, Elmhurst, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 28, 1934, Serial No. 732,836
11 Claims. (Cl. 260—127)

1. A process of making amines of more than 4 carbon atoms which comprises passing a mixture of ammonia and the vapors of an aliphatic alcohol containing from 5 to 18 carbon atoms at substantially atmospheric pressure over a catalyst comprising essentially a rigid porous gel impregnated with aluminum oxide at a temperature between 250–500° C.

2,078,923
CAN REGISTERING MEANS
George A. Bardet and George V. Bardet, Berkeley, Calif., assignors to M. J. B. Company, a corporation of Delaware
Application May 17, 1935, Serial No. 22,042
5 Claims. (Cl. 216—58)

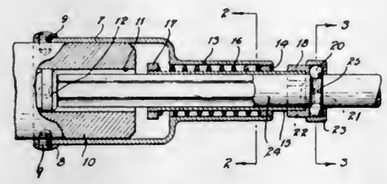


1. In a machine of the character described, a can guideway along which cans are caused to advance, a releasable stop arranged to successively stop the cans in their advancement, each for a period of axial rotation, latch means for supporting the stop in functional position, and a release mechanism for the said latch means including a solenoid, an electric circuit therefor, and a circuit control member disposed in position to be actuated by a part of the rotating can offset from its normal curvature, to close the circuit to energize the solenoid and thereby effect release of the latch, and a second stop member adapted to withhold oncoming cans spaced from the can being rotated, and a release for said second stop disposed in position to be actuated by a registered can in its travel along the guideway after release by the first stop.

2,078,924
TOOL RETAINER
Donald V. Clerk, Detroit, Mich.
Application July 25, 1935, Serial No. 33,065
2 Claims. (Cl. 121—32)

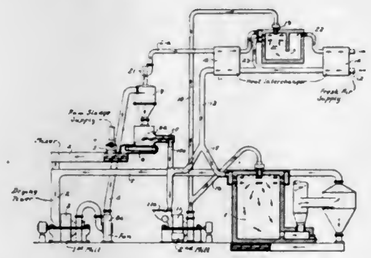
1. In combination, with a pneumatic working tool having a slidable driving plunger, a tool retainer comprising: a cup-shaped supporting member adapted for mounting on said tool; a neck projecting centrally outwardly from the base of said supporting member; a tube slidably projected through said neck and extended at its inner end into said cup-shaped member through said base and extended at its opposite end beyond the end of said neck; means for detachably

mounting a tool shank projected through said tube; and means between said neck and tube for



normally retaining the end of said tool shank constantly engaged with the face of said plunger.

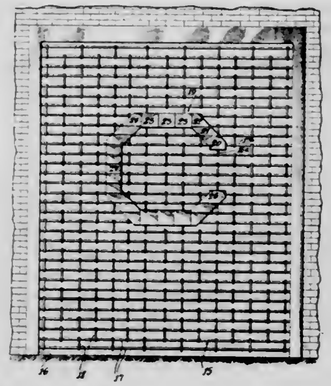
2,078,925
PROCESS AND APPARATUS FOR DEODORIZING GASES
Haldwell S. Colby, Port Washington, N. Y., and Richard F. O'Mara, Chicago, Ill., assignors to Raymond Bros. Impact Pulverizer Co., Chicago, Ill.
Original application June 14, 1934, Serial No. 730,582. Divided and this application September 12, 1935, Serial No. 40,236
6 Claims. (Cl. 183—6)



1. In apparatus resulting in gases charged with malodorous constituents of a nature such that these bad odors can be destroyed by raising the temperature of the gases to a certain point, the combination of a chamber separate from that in which the gases originate, a duct to carry the gases from their point of generation to the chamber, means to introduce into the chamber and then to burn a combustible in addition to any that may be present in the gases to raise the temperature to said point, a duct to carry the gases and the products of combustion from the chamber to the atmosphere, and means to transfer heat from the gases and products of combustion passing through said last named duct to the gases passing through the first named duct.

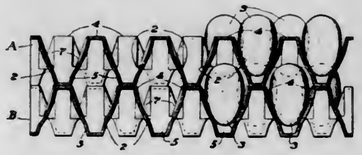
2,078,926
FLEXIBLE GRILLE WITH DISTINCTIVE CHARACTER DESIGN
Milton L. Cornell, August H. Graff, and Rowland K. Bennett, New York, N. Y., assignors to Cornell Iron Works, Inc., Long Island City, N. Y., a corporation of New York
Application June 26, 1936, Serial No. 87,492
18 Claims. (Cl. 40—125)

1. A flexible grille comprising a plurality of spaced laterally extending rods; and links flexibly interconnecting said rods, certain of said links being suitably shaped and located relative to each other to form combinedly a distinctive design contrastive to the surrounding grille struc-



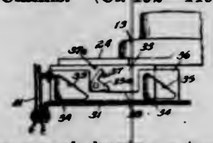
ture when the grille is in position but permitting ready flexing of the grille.

2,078,927
MOLDED FIBER CONTAINER FOR EGGS
George Phinney Dorr, Littleton, N. H., assignor, by mesne assignments, to The Canal National Bank of Portland, as trustee, Portland, Maine, a national banking association
Application May 19, 1933, Serial No. 671,845
1 Claim. (Cl. 217—26.5)



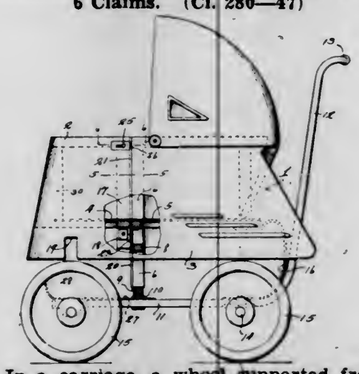
A packing for eggs and like ovate objects comprising a fibrous sheet provided with a plurality of spaced, upwardly-projecting, hollow posts adapted to receive the upper ends of a layer of eggs, said posts being arranged in groups of four and each group enclosing a substantially circular cell space which tapers upwardly and outwardly from the bases of said posts toward the tops thereof, said cell spaces adapted to receive and loosely support the lower ends of a second layer of eggs in staggered relation to the first egg layer, the walls of each cell space being constituted in part by the upwardly and outwardly tapering side portions of the four posts surrounding said cell space, said walls being concave and the material of the sheet included by each group of four posts being extended downwardly a substantial distance below the bases of said posts to form a hollow bottom closure disposed in the perpendicular axis of the included cell space, said bottom closure comprising a straight uniformly downwardly tapered side wall of less radius than any radius of the included cell space so as to prevent the lower end of the egg supported in said cell space from entering said bottom closure, and terminating in a substantially horizontal bottom wall which is spaced from the bottom of the included cell space a distance sufficient to cushion the bottom of the egg supported in said cell space against endwise shock.

2,078,928
STYLUS ARM SWITCH
Lloyd J. Andres, Grand Rapids, Mich., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application December 28, 1934, Serial No. 759,529
9 Claims. (Cl. 192—119)



1. In a phonograph having a turntable and a swingable stylus arm having a needle for tracing the grooves of records placed on the turntable, a slide loosely mounted on the arm, a switch fixedly mounted in the path of the slide, and ratcheting means for advancing the slide on the arm in the step by step forward movement when the arm is reciprocated by records having eccentric terminal grooves so that the slide will be moved continuously forwardly to contact with the switch by the forward portions of the reciprocating movements of the arm.

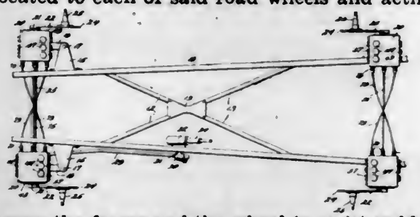
2,078,929
CONVERTIBLE BABY CARRIAGE AND STROLLER
Albert E. Calton, Elmira, N. Y., assignor to Elsie C. Calton, Elmira, N. Y.
Application July 25, 1935, Serial No. 33,164
6 Claims. (Cl. 280—47)



1. In a carriage, a wheel supported frame, a body supported on said frame and transversely divided to form a dash portion and a rear portion, a floor in each of said portions which is in the same plane with the floor of the other portion when the said portions are in one position relative to one another, a sliding connection between said portions permitting the complete removal of the dash portion from the rear portion, an apron extending downwardly from the forward edge of the floor of the rear portion, and a platform mounted upon said frame and extending forwardly from said apron beneath the floor of the dash portion, said dash portion of the floor when in one position resting upon said platform.

2,078,930
MOTOR VEHICLE
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 13, 1933, Serial No. 660,596
19 Claims. (Cl. 267—11)

1. In a motor vehicle, the combination with a vehicle frame, of a pair of road wheels disposed at opposite sides and adjacent one end of the frame, means for yieldingly and independently supporting said wheels for substantially vertical movement with respect to the frame and to each other, shock absorbing devices, one allocated to each of said road wheels and acting



between the frame and the wheel to resist sudden relative vertical movement thereof, and a connection between said devices operable on movement of one of said road wheels for reducing the degree of resistance offered by the device associated with the other road wheel to movement of the latter in the same direction.

2,078,931
MOTOR VEHICLE
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 16, 1933, Serial No. 661,128
22 Claims. (Cl. 267—20)

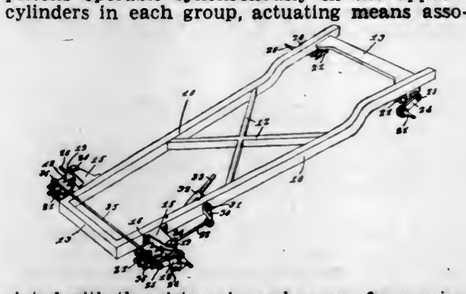


1. In a motor vehicle, the combination with a vehicle frame, of a road wheel, and means for yieldingly supporting said road wheel on said frame for substantially vertical movement with respect thereto, said means comprising a housing carried by said frame, said housing being formed to provide a fluid supply chamber and opposed fluid cylinders extending outwardly from said supply chamber, pistons operable in said cylinders, actuating means for said pistons extending within said supply chamber and operatively connected with said road wheel to support the latter, a restricted passage affording communication between said cylinders to provide therewith a fluid system, means including a one-way valve affording communication between said supply chamber and said fluid system to automatically replenish fluid in the latter, and a plurality of coil springs in one of said cylinders for urging the associated piston, piston actuating means, and road wheel in one direction.

2,078,932
MOTOR VEHICLE
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 17, 1933, Serial No. 661,392
9 Claims. (Cl. 267—20)

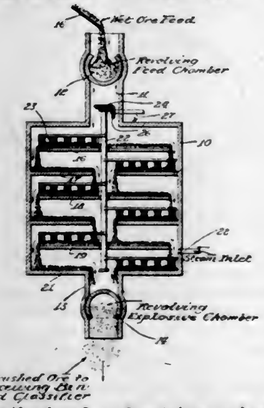
1. In a combined shock absorber and spring suspension unit for vehicle wheels, the combination with a housing formed to provide a plurality

of cylinders arranged in two groups extending in superposed, substantially horizontal planes the cylinders in each group being opposed, of pistons operable synchronously in the opposed cylinders in each group, actuating means asso-



ciated with the pistons in each group for moving each piston in one direction only, springs acting on the pistons in each group to move the same in the opposite direction only, and means affording restricted communication between the opposed cylinders.

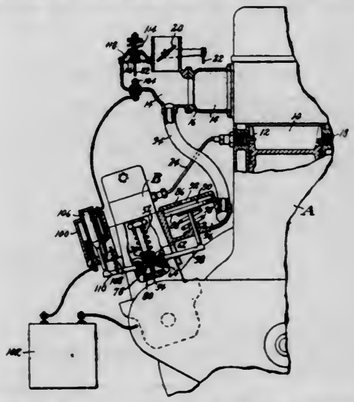
2,078,933
PULVERIZING MINERAL AGGREGATES
Reginald S. Dean, Washington, D. C., and John Gross, Minneapolis, Minn.
Application May 20, 1932, Serial No. 612,524
12 Claims. (Cl. 83—94)



1. The method of pulverizing mineral substances and aggregates which comprises soaking the mineral substance in water, draining the excess water therefrom, introducing the water soaked mineral substance into a closed container, admitting saturated steam into the container to heat the mineral substance, and discharging the mineral substance from the container whereby the water therein is explosively converted into steam and disrupts the substance.

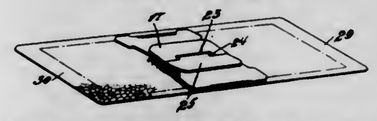
2,078,934
INTERNAL COMBUSTION ENGINE
Torbjörn Viktor Dillström, Stockholm, Sweden, assignor to Hesselman Motor Corporation, Ltd., London, England, a corporation of Great Britain
Application September 21, 1933, Serial No. 690,304
In Sweden February 6, 1933
15 Claims. (Cl. 123—139)

1. Apparatus of the character described comprising a multiple cylinder internal combustion engine having an inlet manifold for supplying combustion air to the cylinders of the engine, a plurality of fuel pumps for supplying fuel separately to the cylinders of the engine, a throttle valve for controlling admission of air to said manifold, pump regulating means operative in response to decrease in pressure in the inlet



manifold to decrease the amount of fuel supplied by said pumps, and means operative in response to the pressure in said inlet manifold for rendering one or more but less than the total number of said pumps inoperative to supply fuel when the pressure in the inlet manifold is below a predetermined value.

2,078,935
BILLFOLD
Charles D. Downes, Providence, R. I.
Application February 24, 1933, Serial No. 658,360
7 Claims. (Cl. 150—38)

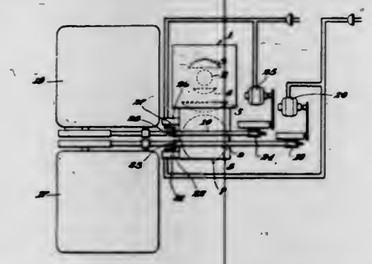


1. An article of the general character described comprising two sheet stock members each having one dimension longer than the other, said members being generally right angularly disposed, one of said members being provided with slots and the other member having a portion of a width substantially the length of said slots and extending through the slots and having enlargements at points beyond said slots to hold the members in assembled relation, each of said members being folded upon itself at two spaced points providing an intermediate section and two end sections, the intermediate sections of said members overlying and said end sections overlying the intermediate sections when in folded position.

2,078,936
STOCK QUOTATION PROJECTING MACHINE
August D. Eitzen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application August 30, 1933, Serial No. 687,395
Renewed August 30, 1935
13 Claims. (Cl. 88—24)

1. The combination with a right hand ticker and a left hand ticker having their tape discharging ends disposed adjacent to one another,

of a light aperture common to the tapes of both tickers disposed adjacent to the tape discharging ends of said tickers, independent tape drawing mechanism for independently drawing the tapes across said aperture along parallel paths of



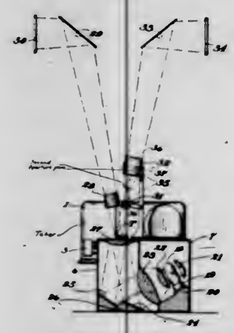
movement, a screen member having two separated screen portions disposed in the same plane, and optical systems for directing the images of one of said tapes to one of said screen portions and for directing the images of the other of said tapes to the other of said screen portions.

2,078,937

OPTICAL SYSTEM METHOD AND APPARATUS

August D. Eitzen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York

Application November 18, 1933, Serial No. 698,564
Renewed August 1, 1936
4 Claims. (Cl. 88—24)



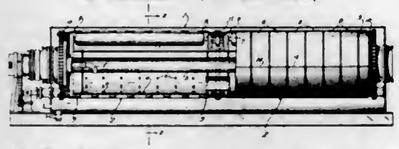
1. The combination with two vertically extending screens facing in opposite directions, of a single horizontally extending light aperture, means for advancing a printed tape across said light aperture, means for directing two diverging light beams through the tape disposed at said light aperture to produce two diverging image impressed light beams, means including a single objective lens unit and a single deflector for directing one of said image impressed light beams onto one of said screens in upright readable position, and means including two objective lens units and a single deflector for directing the other diverging image impressed light beam onto the other of said screens in upright readable position, said tape advancing means being positioned to move said tape in the same direction as the message on one screen and in the opposite direction to the direction of the message on the other screen.

2,078,938

HEAT EXCHANGE APPARATUS

Crosby Field, Brooklyn, N. Y., assignor to Flakice Corporation, Wilmington, Del., a corporation of Delaware

Application August 14, 1931, Serial No. 557,107
Renewed November 16, 1935
29 Claims. (Cl. 62—105)



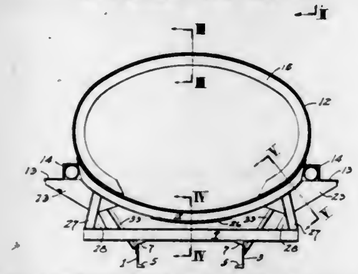
1. A flexible freezing cylinder comprising a plurality of sheets of thin flexible metal, each sheet being bent into cylindrical form and having its end edges bent inwardly to provide hooks, a clamping member engaging the hooks to hold the sheet in cylindrical form, and flexible means uniting the several sheets at their side edges.

2,078,939

VEHICLE TANK CONSTRUCTION

Allan R. Ferguson, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 6, 1934, Serial No. 733,998
16 Claims. (Cl. 280—5)



1. In a vehicle tank structure, a vehicle frame adapted to carry a tank and having a transverse frame member, an elongated tank, an inner reinforcing member shaped to fit at least the top and sides of the interior of the tank and firmly secured thereto, an outer reinforcing member shaped to fit the outer surface of at least the lower portion of said tank and firmly secured thereto in alignment with said inner reinforcing member, said outer reinforcing member having its ends extending up the sides of the tank at least far enough to overlap the ends of the inner reinforcing member, and a supporting member connected to the overlapping portion of the outer reinforcing member on each side of the tank and connected to said transverse frame member, whereby the tank is supported out of contact with said frame.

2,078,940

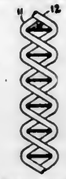
SCREEN CLOTH

John J. Grebe, Midland, Mich., assignor to Ewing Development Company, Bay City, Mich., a corporation of Michigan

Application November 21, 1935, Serial No. 50,879
6 Claims. (Cl. 245—8)

6. In an insect screen capable of substantially excluding the passage therethrough of direct sunlight, fixed substantially parallel members having an elongated cross-section throughout their length, spaced apart less than about 0.10

inch, the major surfaces of said members being inclined to the plane of the screen at an angle up



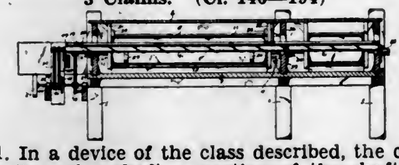
to about 45° from the perpendicular to said plane, said members being spaced apart a distance not materially greater than the width thereof.

2,078,941

WASHING MACHINE

August Guignard, Hood River, Oreg.

Application April 4, 1934, Serial No. 718,975
3 Claims. (Cl. 146—194)



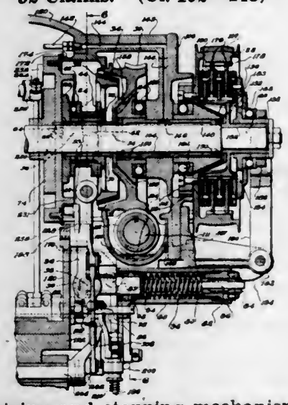
1. In a device of the class described, the combination of a shaft, a portion of the shaft between its ends being rectangular in cross sectional area, impeller blades secured to the rectangular portion of the shaft and a cementitious material insulating the rectangular portion of the shaft from liquid penetration, the remaining portion of the shaft from the rectangular portion to each end being cylindrical, rubber sleeves disposed about a portion of each cylindrical end section and flanges secured to the rubber sleeves and disposed adjacent the outer ends of each of the rubber sleeves.

2,078,942

DRIVING AND STOPPING MECHANISM

Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application January 8, 1935, Serial No. 833
52 Claims. (Cl. 192—148)



1. A driving and stopping mechanism having, in combination, a main shaft, drivers for rotating said shaft in forward and reverse directions, forward and reverse clutch members movable relatively towards and from said drivers to connect said shaft with either driver, a timing cam mounted for limited relative rotation on said shaft, for engaging and disengaging the reverse clutch member with its driver, and a timing cam follower for engaging the reverse clutch member with its driver at one angular position of the main shaft and for holding the cam stationary when the main shaft is reversed to cause said clutch member to be disengaged from its driver at another angular position of the shaft.

2,078,943

TREATMENT OF PATHOLOGICAL AFFECTIONS

Ralph E. Hall, Mount Lebanon, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application August 18, 1933, Serial No. 685,750
5 Claims. (Cl. 167—72)

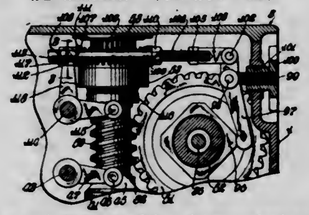
1. As a remedy for treating pathological skin affections, a weak aqueous solution of an alkali-metal metaphosphate.

2,078,944

MINING MACHINE

Morris P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application February 27, 1933, Serial No. 658,803
24 Claims. (Cl. 262—30)



13. In a mining machine transmission mechanism, a drive control clutch, and mechanism for automatically effecting intermittent application and release of said clutch at timed intervals including a cam having a cam surface, a lever swingable in planes at right angles to the cam axis and engaged and actuated by said cam, and a reciprocable clutch operating element actuated by said lever and having its axis of reciprocation at right angles to the axis of cam rotation.

2,078,945

CATALYTIC MATERIALS AND PROCESS OF MANUFACTURE

Eugene J. Houdry, Ardmore, Pa., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware

Application March 23, 1932, Serial No. 600,581
Renewed July 3, 1936
7 Claims. (Cl. 23—233)



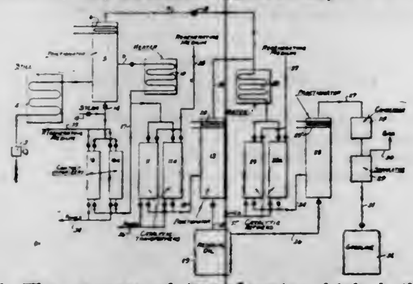
1. A rigid homogeneous catalytic mass or unit for the conversion and treatment of hydrocarbons and adapted for frequent regenerations by oxidation without substantial loss of its selective adsorptive or catalytic activity formed of an active or activated hydrosilicate of alumina comprising SiO_2 and Al_2O_3 to the extent of at least 90%, these components being substantially in the ratio of 4:1, such material being molded under pressure, dried and baked to produce the catalytic mass or unit.

2,078,946

CONVERSION OF HYDROCARBONS

Eugene J. Houdry, Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware

Application August 31, 1933, Serial No. 687,553
10 Claims. (Cl. 196—52)



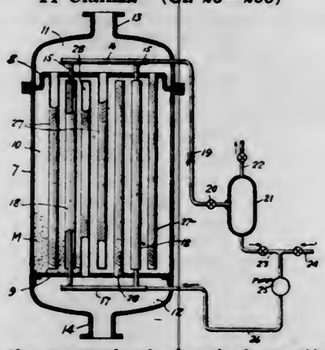
1. The process of transforming high boiling hydrocarbons into lower boiling hydrocarbons in a continuous operation by contacting the same with solid contact materials capable of effecting desirable changes therein which comprises separating the hydrocarbon charge into two fractions of different molecular weights and boiling ranges, the high boiling fraction being composed primarily of heavy hydrocarbons within the fuel oil range and the low boiling fraction being composed substantially of hydrocarbons in the gas oil boiling range, subjecting each fraction to a separate heating operation to effect vaporization, that on the high boiling fraction being effected by contact treatment with a bed of porous contact material, uniting the vapors of both fractions, and subjecting the combined vapors to a transforming operation by the action of active contact material selected from the class consisting of silicates of alumina and clayey material in the temperature range of 750° to 950° F.

2,078,947

TEMPERATURE REGULATION OF CONVERTERS

Eugene J. Houdry, Philadelphia, Pa., and Raymond C. Lassiat, Woodbury, N. J., assignors to Houdry Process Corporation, Dover, Del., a corporation of Delaware

Application June 1, 1934, Serial No. 728,544
14 Claims. (Cl. 23—288)



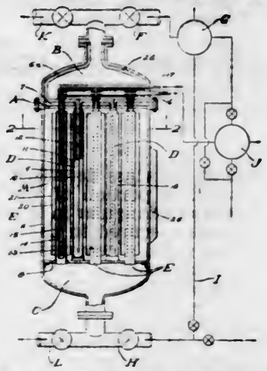
1. In the control of chemical reactions effected by the aid of solid contact material, wherein temperature control within some particular range is desirable, the process which comprises disposing the contact material in a deep bed, passing a temperature-controlled fluid medium in a plurality of confined streams spaced one from another directly through said bed, maintaining a liquid- and solid-free space of substantially equal width around each of said streams and between the same and the surrounding bed of contact material, keeping said space out of fluid conducting relation with said contact material so as to effect heat exchange across said space primarily by radiation, and passing the fluid to be treated into contact with said bed and withdrawing the products of the resulting reaction.

2,078,948

CONTROL OF EXOTHERMIC REACTIONS

Eugene J. Houdry, Philadelphia, Pa., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware

Application February 13, 1935, Serial No. 6,291
17 Claims. (Cl. 23—288)



1. In the control of exothermic reactions effected by the aid of a bed or mass of contact material confined within a reaction zone, the operative process which comprises feeding streams of reactant fluids to the mass at a temperature below the desired temperature of reaction, passing a heat-exchange fluid in a plurality of streams through the mass in heat exchange relation therewith, but out of direct heat-conducting relation therewith, and maintaining a multiplicity of heat-conducting channels all through the mass, said channels being arranged and distributed with relation to said streams of reactant fluids and said streams of heat-exchange fluid so as to direct a preponderance of the excess heat of reaction to the last-mentioned streams.

2,078,949

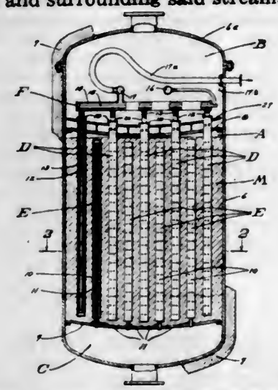
CONTROL OF CHEMICAL REACTIONS

Eugene J. Houdry, Philadelphia, Pa., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware

Application March 23, 1935, Serial No. 12,564
19 Claims. (Cl. 23—288)

1. In the control of exothermic reactions taking place in the presence of a contact material, the process which comprises disposing the contact material in a large and deep mass, supplying the reactants at substantially the temperature of the reaction, distributing the reactants all through the mass, removing the reaction products simultaneously from points distributed throughout the mass, removing a sufficient amount of the heat developed from the exothermic reaction to maintain the reaction within a predetermined temperature range by a cooling medium sent within and through the mass in a

plurality of streams in indirect heat exchange therewith, and surrounding said streams by moving columns of reaction products interposed between the mass and said streams.

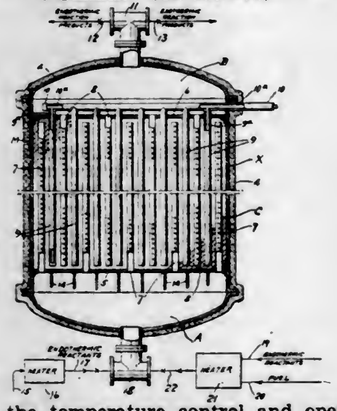


2,078,950

OPERATION OF CATALYTIC CONVERTERS

Eugene J. Houdry, Philadelphia, Pa., and Thomas B. Prickett, Woodbury, N. J., assignors to Houdry Process Corporation, Dover, Del., a corporation of Delaware

Application June 4, 1935, Serial No. 24,844
7 Claims. (Cl. 196—52)



1. In the temperature control and operation of a converter for transforming fluid reactants providing a reaction zone containing a catalytic mass and a fluid manifolding zone adjacent thereto and separated therefrom by a metal partition member but communicating therewith, said mass being adapted to be employed alternately on-stream to effect the desired transformation of reactants and in regeneration in place to eliminate combustible deposits or contaminants which accumulate thereon during the on-stream or reaction period, the process steps which comprise during the on-stream and regeneration reaction periods of the cycle of operation passing the fluid reactants into and through said manifolding zone in contact with said partition member and then into said reaction zone, the reactants being supplied at such respective temperatures during each of the periods of the cycle of operation as will maintain said partition at approximately constant temperature throughout the whole cycle of operation, and maintaining the reaction zone at the temperatures desired therein primarily by removing or adding heat with an independent heat exchange medium circulated within said reaction zone but out of contact with the mass contained therein.

2,078,951

REGENERATIVE CONTACT MASS

Eugene J. Houdry, Rosemont, Pa., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware

No Drawing. Application August 7, 1935, Serial No. 35,101
5 Claims. (Cl. 196—52)

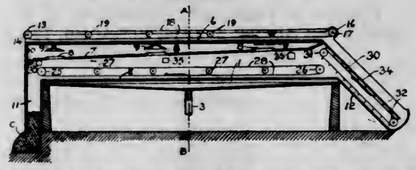
1. In the treatment or transformation of hydrocarbons and their derivatives by the use of adsorptive silicious contact masses disposed in individual pieces of controlled size and operating alternately on stream and in regeneration, the process steps for improving the operative cycle with minimum impairment of desired characteristics in the products obtained including antiknock rating which steps comprise incorporating in the contact mass for the purpose of promoting regeneration by oxidation a very small amount, .5 to 1.5%, of manganese or a manganese compound, effecting during regenerating periods a rapid reduction of the contaminating deposit to less than one-half of one percent by weight of the mass by feeding thereto an oxygen containing gas to burn away such deposit, and holding the mass at a temperature not in excess of 1000° F. during and throughout each regenerating period.

2,078,952

APPARATUS FOR EFFECTING COMPOUND DRYING

Ernest Arthur Le Sueur, Ottawa, Ontario, Canada

Application May 21, 1935, Serial No. 22,634
3 Claims. (Cl. 34—12)



2. In drying apparatus, two members, an upper one adapted to carry material to be dried in contact with the atmosphere, and a lower one adapted to carry material inside a chamber of which said upper member forms an upper boundary, inlet and discharge passages extending downwardly from said chamber, means for supplying material to be dried to the upper surface of the upper member, for moving it over said surface and over the edge of same to a level lower than said lower member, and upwardly through the said inlet passage into said chamber, and then over said lower member to said discharge passage, and for heating said lower member.

2,078,953

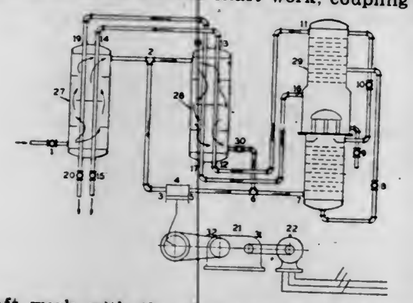
METHOD AND APPARATUS FOR COOLING A GAS

Isaac H. Levin, Pittsburgh, Pa.

Application August 17, 1933, Serial No. 685,616
Renewed January 27, 1937
11 Claims. (Cl. 62—175.5)

1. A method for producing refrigeration and power which comprises expanding a gas to do ex-

ternal work, transmitting the work developed to shaft work of the expander, converting the said work into electrical energy thereby producing an electrical brake for the shaft work, coupling the



shaft work with the electrical brake, and controlling the quantity of gas to be expanded by controlling the angular velocity of the shaft of the expander by modifying mechanical variables in the coupling.

2,078,954
ARTIFICIAL CORK AND METHOD OF MAKING THE SAME
Michael Levin, Baltimore, Md., assignor of four-tenths to Jacob T. Basseches, New York, N. Y.
No Drawing. Application April 27, 1927, Serial No. 187,118. Renewed November 21, 1934
12 Claims. (Cl. 106—23)

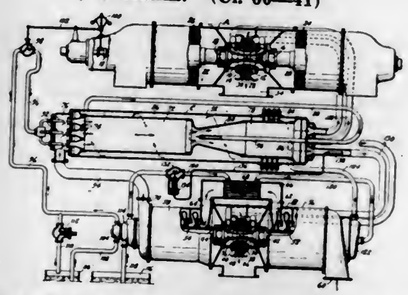
1. An artificial cork composed of a granular cork base, and a binding material containing latex and blood albumen.

2,078,955
APPARATUS FOR DRYING VEGETABLE FIBER
Gaston J. Lipscomb, Montclair, N. J.
Application August 2, 1934, Serial No. 738,112
4 Claims. (Cl. 34—23)



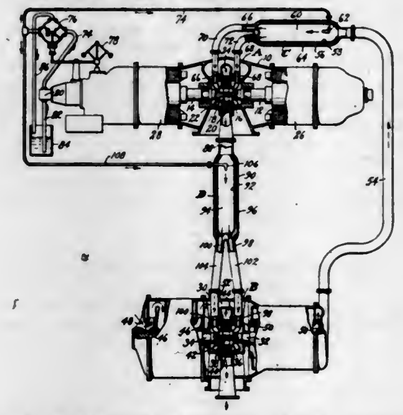
1. Apparatus for drying loose shredded bagasse, comprising a closed vertical casing, means for circulating hot air upwardly through said casing from a point adjacent the bottom to a point near the top thereof, a support within the casing near the upper end thereof, a vertical shaft rotatably mounted in said casing and having its upper end journalled in said support, a conical distributor connected to the upper end of said shaft and rotatable therewith, a plurality of conical tiers each having the solid hub portion and alternate segmental reticulated downwardly sloping supporting surfaces and discharge openings spaced throughout the length of the casing, rabble arms on said shaft overlying each of said tiers for pushing the material outwardly toward the wall of said casing and from a reticulated supporting surface to permit it to fall through an adjacent discharge opening, means for uniformly feeding quantities of loose fibers into the casing at the top thereof and upon the conical distributor to uniformly spread the material upon the uppermost tier, and means operating in synchronism with the feeding of material through the casing, for discharging dried material from the casing.

2,078,956
GAS TURBINE SYSTEM
Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Milo, Stockholm, Sweden, a corporation of Sweden
Application March 13, 1934, Serial No. 715,267
In Germany March 24, 1930
6 Claims. (Cl. 60—41)



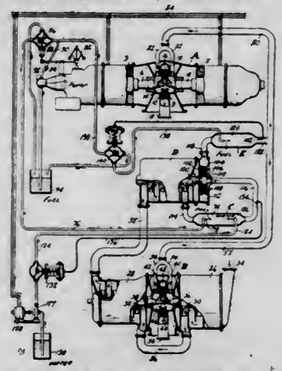
1. A gas turbine system of the continuous combustion type comprising turbine means, power output means driven by said turbine means, and means for continuously supplying to said turbine means heated gaseous motive fluid comprising products of combustion, said turbine means including a blade system providing a path for expansion of motive fluid having a substantial component for flow of motive fluid in radially outward direction and an admission chamber for full admission of motive fluid to the blade system, said blade system including a plurality of stages of high efficiency reaction blading for progressively extracting in each successive stage a relatively small portion of the total available heat of the motive fluid and said blade system being constructed to operate with at least 80% thermodynamic efficiency, and said means for supplying motive fluid including compressor means driven by said turbine means for compressing a gaseous fluid to be expanded in said blade system, combustion chamber means separate from the compressor means and the turbine means for heating said fluid, conduits arranged for continuous free flow of the compressed fluid from the compressor means to the combustion chamber means and for continuous free flow of the heated and compressed motive fluid from the combustion chamber means to the admission chamber of said blade system, and means for controlling the temperature of the motive fluid to provide an initial temperature thereof within a range the lower limit of which is approximately 800° C. absolute and the upper limit of which will permit continuous full admission of said motive fluid at substantially its initial temperature to the inlet blading of said blade system and expansion of said motive fluid in said blade system without destruction of the moving blading thereof due to excessive temperature.

2,078,957
GAS TURBINE APPARATUS
Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Milo, Stockholm, Sweden, a corporation of Sweden
Application July 22, 1933, Serial No. 681,697
In Germany March 24, 1930
6 Claims. (Cl. 60—41)



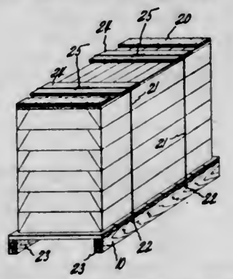
1. In a gas turbine system of the continuous combustion type, a plurality of gas turbines including a power turbine producing power for external use, each of said plurality of turbines having a blade system including a plurality of stages of high efficiency reaction blading providing a path for flow of motive fluid therethrough with a substantial component of flow in radially outward direction from an inlet of relatively small diameter to an outlet of relatively large diameter and having full admission of motive fluid to the inlet, means for supplying heated gaseous motive fluid to said turbines including compressor means for compressing a gaseous combustion supporting medium driven by at least one of said turbines operating independently of said power turbine with respect to speed of operation, a heating device providing a combustion chamber for heating said compressed medium to produce motive fluid comprising products of combustion, said heating device being located externally of the casings of said turbines, conduit means of substantial length for delivering said motive fluid to at least one of said turbines for expansion therein, a reheating device providing a combustion chamber for reheating motive fluid exhausted from at least one of said turbines, said reheating device being located externally of the casings of said turbines, conduit means of substantial length for delivering reheated motive fluid to at least one of said turbines not receiving motive fluid from said heating device, both of said conduit means being arranged for continuous free flow of motive fluid therethrough, and means for controlling the temperature of the heated motive fluid delivered from said heating device to provide for initial expansion thereof from a temperature within a range of which the lower limit is approximately 800° C. absolute and the upper limit permits continuous full admission of the motive fluid to the turbine blading without destruction of the moving blading thereof due to excessive temperature.

2,078,958
GAS TURBINE SYSTEM
Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Milo, Stockholm, Sweden, a corporation of Sweden
Continuation of application Serial No. 522,923, March 16, 1931. This application November 23, 1935, Serial No. 51,230. In Germany March 24, 1930
15 Claims. (Cl. 60—42)



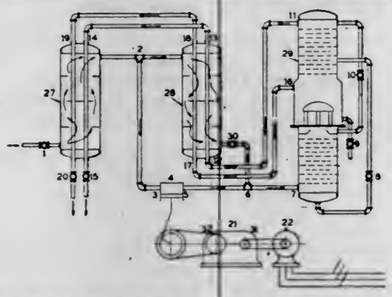
1. In a gas turbine system of the continuous combustion type, a plurality of turbines independent of each other with respect to speed of operation and including a power output turbine and a turbine driving a low pressure compressor, a combustion chamber, means for supplying fuel to said combustion chamber to produce high temperature motive fluid, open conduit means for continuous unthrottled flow to said combustion chamber of the gaseous medium compressed in said compressor and to the turbines of the motive fluid produced, said conduit means including conduits connected for flow of motive fluid so that exhaust motive fluid from the turbine driving the low pressure compressor is discharged to substantially constant back pressure, and governing means for varying the rate at which fuel is supplied in accordance with variations in the external load on the system.

2,078,959
PAPER PACKAGE
Francis S. McDonnell, Milton, Mass.
Application March 4, 1935, Serial No. 9,202
1 Claim. (Cl. 206—60)



A package which comprises a skid, quantities of paper in superposed relation on said skid, wrapper sheets interposed between said quantities and wrapped about the sides and ends of the quantity of paper next thereabove and with their margins turned in beneath the wrapper sheet next above and retained in position thereby, a

ternal work, transmitting the work developed to shaft work of the expander, converting the said work into electrical energy thereby producing an electrical brake for the shaft work, coupling the



shaft work with the electrical brake, and controlling the quantity of gas to be expanded by controlling the angular velocity of the shaft of the expander by modifying mechanical variables in the coupling.

2,078,954
ARTIFICIAL CORK AND METHOD OF MAKING THE SAME
Michael Levin, Baltimore, Md., assignor of four-tenths to Jacob T. Basseches, New York, N. Y.
No Drawing. Application April 27, 1927, Serial No. 187,118. Renewed November 21, 1934
12 Claims. (Cl. 106—23)

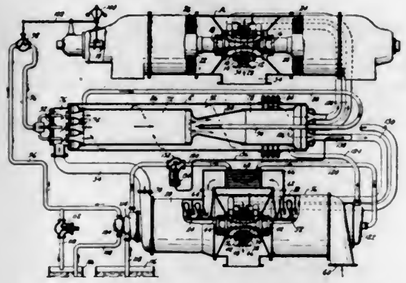
1. An artificial cork composed of a granular cork base, and a binding material containing latex and blood albumen.

2,078,955
APPARATUS FOR DRYING VEGETABLE FIBER
Gaston J. Lipscomb, Montclair, N. J.
Application August 2, 1934, Serial No. 738,112
4 Claims. (Cl. 34—23)



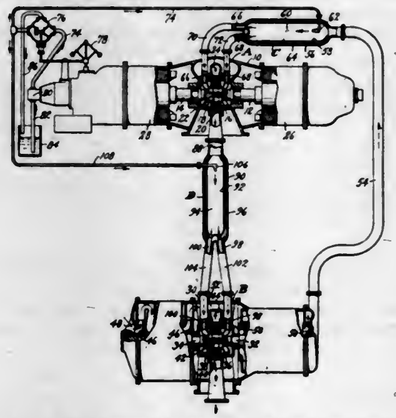
1. Apparatus for drying loose shredded bagasse, comprising a closed vertical casing, means for circulating hot air upwardly through said casing from a point adjacent the bottom to a point near the top thereof, a support within the casing near the upper end thereof, a vertical shaft rotatably mounted in said casing and having its upper end journalled in said support, a conical distributor connected to the upper end of said shaft and rotatable therewith, a plurality of conical tiers each having the solid hub portion and alternate segmental reticulated downwardly sloping supporting surfaces and discharge openings spaced throughout the length of the casing, rabble arms on said shaft overlying each of said tiers for pushing the material outwardly toward the wall of said casing and from a reticulated supporting surface to permit it to fall through an adjacent discharge opening, means for uniformly feeding quantities of loose fibers into the casing at the top thereof and upon the conical distributor to uniformly spread the material upon the uppermost tier, and means operating in synchronism with the feeding of material through the casing, for discharging dried material from the casing.

2,078,956
GAS TURBINE SYSTEM
Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Milo, Stockholm, Sweden, a corporation of Sweden
Application March 13, 1934, Serial No. 715,267
In Germany March 24, 1930
6 Claims. (Cl. 60—41)



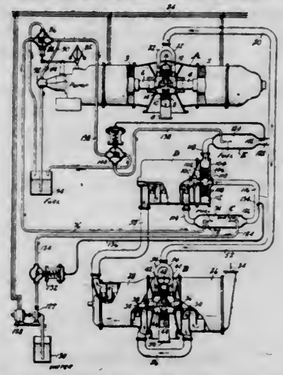
1. A gas turbine system of the continuous combustion type comprising turbine means, power output means driven by said turbine means, and means for continuously supplying to said turbine means heated gaseous motive fluid comprising products of combustion, said turbine means including a blade system providing a path for expansion of motive fluid having a substantial component for flow of motive fluid in radially outward direction and an admission chamber for full admission of motive fluid to the blade system, said blade system including a plurality of stages of high efficiency reaction blading for progressively extracting in each successive stage a relatively small portion of the total available heat of the motive fluid and said blade system being constructed to operate with at least 80% thermodynamic efficiency, and said means for supplying motive fluid including compressor means driven by said turbine means for compressing a gaseous fluid to be expanded in said blade system, combustion chamber means separate from the compressor means and the turbine means for heating said fluid, conduits arranged for continuous free flow of the compressed fluid from the compressor means to the combustion chamber means and for continuous free flow of the heated and compressed motive fluid from the combustion chamber means to the admission chamber of said blade system, and means for controlling the temperature of the motive fluid to provide an initial temperature thereof within a range the lower limit of which is approximately 800° C. absolute and the upper limit of which will permit continuous full admission of said motive fluid at substantially its initial temperature to the inlet blading of said blade system and expansion of said motive fluid in said blade system without destruction of the moving blading thereof due to excessive temperature.

2,078,957
GAS TURBINE APPARATUS
Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Milo, Stockholm, Sweden, a corporation of Sweden
Application July 22, 1933, Serial No. 681,697
In Germany March 24, 1930
6 Claims. (Cl. 60—41)



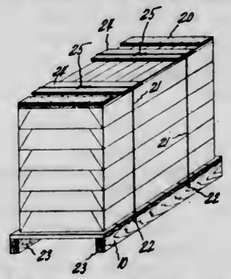
1. In a gas turbine system of the continuous combustion type, a plurality of gas turbines including a power turbine producing power for external use, each of said plurality of turbines having a blade system including a plurality of stages of high efficiency reaction blading providing a path for flow of motive fluid therethrough with a substantial component of flow in radially outward direction from an inlet of relatively small diameter to an outlet of relatively large diameter and having full admission of motive fluid to the inlet, means for supplying heated gaseous motive fluid to said turbines including compressor means for compressing a gaseous combustion supporting medium driven by at least one of said turbines operating independently of said power turbine with respect to speed of operation, a heating device providing a combustion chamber for heating said compressed medium to produce motive fluid comprising products of combustion, said heating device being located externally of the casings of said turbines, conduit means of substantial length for delivering said motive fluid to at least one of said turbines for expansion therein, a reheating device providing a combustion chamber for reheating motive fluid exhausted from at least one of said turbines, said reheating device being located externally of the casings of said turbines, conduit means of substantial length for delivering reheated motive fluid to at least one of said turbines not receiving motive fluid from said heating device, both of said conduit means being arranged for continuous free flow of motive fluid therethrough, and means for controlling the temperature of the heated motive fluid delivered from said heating device to provide for initial expansion thereof from a temperature within a range of which the lower limit is approximately 800° C. absolute and the upper limit permits continuous full admission of the motive fluid to the turbine blading without destruction of the moving blading thereof due to excessive temperature.

2,078,958
GAS TURBINE SYSTEM
Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Milo, Stockholm, Sweden, a corporation of Sweden
Continuation of application Serial No. 522,923, March 16, 1931. This application November 23, 1935, Serial No. 51,230. In Germany March 24, 1930
15 Claims. (Cl. 60—42)



1. In a gas turbine system of the continuous combustion type, a plurality of turbines independent of each other with respect to speed of operation and including a power output turbine and a turbine driving a low pressure compressor, a combustion chamber, means for supplying fuel to said combustion chamber to produce high temperature motive fluid, open conduit means for continuous unthrottled flow to said combustion chamber of the gaseous medium compressed in said compressor and to the turbines of the motive fluid produced, said conduit means including conduits connected for flow of motive fluid so that exhaust motive fluid from the turbine driving the low pressure compressor is discharged to substantially constant back pressure, and governing means for varying the rate at which fuel is supplied in accordance with variations in the external load on the system.

2,078,959
PAPER PACKAGE
Francis S. McDonnell, Milton, Mass.
Application March 4, 1935, Serial No. 9,202
1 Claim. (Cl. 206—60)



A package which comprises a skid, quantities of paper in superposed relation on said skid, wrapper sheets interposed between said quantities and wrapped about the sides and ends of the quantity of paper next thereabove and with their margins turned in beneath the wrapper sheet next above and retained in position thereby, a

cover over the top of the entire stack of paper and wrapper sheets, and means binding said cover and interposed paper and wrapper sheets to said skid.

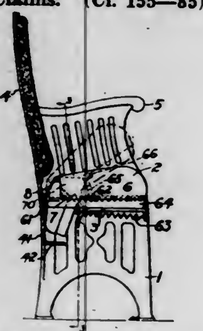
2,078,960
MANUFACTURE OF NAPHTHYLAMINE DERIVATIVES
William Byres McKay, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 11, 1935, Serial No. 15,912. In Great Britain April 18, 1934
11 Claims. (Cl. 260—128)

3. The method of manufacturing a composition of matter which comprises reacting 1,5-dihydroxy-naphthalene and a primary hydroxy-alkylamine in the presence of an aqueous solution of a water-soluble bisulfite.

6. A composition of matter comprising essentially 1-hydroxy-alkyl-amino-5-naphthol, and 1,5-di(hydroxy-alkyl-amino) naphthalene, the 1,5-di(hydroxy-alkyl-amino) naphthalene being present in preponderating amount.

7. 1,5-di-(hydroxyalkylamino)-naphthalene.

2,078,961
THEATER CHAIR
Leo A. Meltzer, Seattle, Wash.
Application July 10, 1933, Serial No. 679,730
11 Claims. (Cl. 155—85)



1. A theater chair or the like comprising a member provided with a ledge, a seat including a front section and a rear section hingedly connected to the front section, said seat being slidable rearwardly and forwardly on said ledge, the latter, in the forward position of the seat, engaging beneath both sections to maintain them in a common plane, and being of such length that, in the rearward position of the seat, the rear section is unsupported and swings downwardly, to decrease the effective length of the seat as a whole.

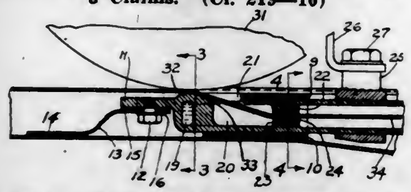
2,078,962
PROCESS OF MAKING VEGETABLE MILK
Harry Willis Miller, Shanghai, China
No Drawing. Application December 3, 1935, Serial No. 52,728
4 Claims. (Cl. 99—64)

4. A process of preparing vegetable milk from soya beans comprising the steps of soaking from six to ten hours one part of whole beans in eight parts of water of a temperature between sixty degrees and seventy-five degrees Fahrenheit, passing the soaked beans through a grinder to comminute the beans to expose the cellular structure of the beans and adding water during the grinding operation to produce a mass of approximately twenty gallons of water and twenty-five pounds of triturated beans, separating the liquid from the pulp, heating the liquid to the boiling point, adding sufficient elements such as sugar, vegetable fats and salt, agitating the mixture during the cooking operation, and then passing the fluid through a homogenizer.

2,078,963
PROCESS FOR REFINING CRUDE NAPHTHALENE
Stuart Parmelee Miller, Scarsdale, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 3, 1934, Serial No. 713,923
17 Claims. (Cl. 260—168)

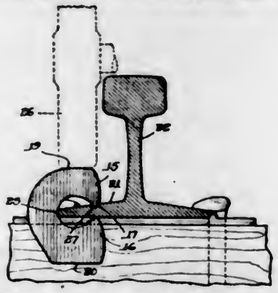
1. A method of producing crystallized naphthalene substantially free of tar-acids which comprises crystallizing naphthalene containing a substantial amount of tar-acids in the presence of sufficient aqueous alkaline solution to react with all the tar-acids in the naphthalene and separating the resulting phenolate solution from the crystallized naphthalene.

2,078,964
METHOD OF AND APPARATUS FOR ELECTRIC WELDING
Courtney N. Mitchell, Cleveland Heights, Ohio
Application February 24, 1930, Serial No. 430,692
8 Claims. (Cl. 219—10)



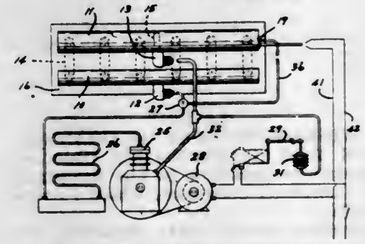
1. The method of welding the edges of an open seam in tubing, which consists of mechanically confining and supporting the edges to be united in proximity with each other, of introducing a strip of material from within the tubing into contacting relationship with the metal at the edges of said seam, of passing an electric current from lateral portions of said strip to the edges of said seam, and of forcing the edges of said seam and said strip of material into welded relationship.

2,078,965
ANTIRAIL CREEPER
Ernest C. Neal, Roseburg, Oreg., assignor to Railway Track Joint Corp., Coquille, Oreg., a corporation of Oregon
Application October 30, 1935, Serial No. 47,369
11 Claims. (Cl. 238—321)



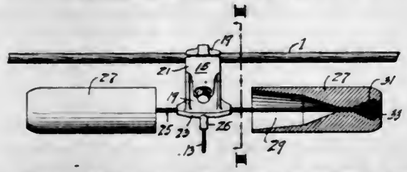
1. A rail anchor comprising a resilient material clip and having upper and lower spring clamping jaws spaced apart a distance sufficient to permit the same to be spread apart when applied to the sloping flange of a rail, at least one of said jaws being provided with a sharp edge, said clip having an upper surface adapted to be pounded with a maul or other suitable tool to drive said edge into the flange of a rail and form a receiving socket or groove for said edge, whereby the anchor will be positively and securely attached to the rail and prevent relative movement of the anchor and the rail.

2,078,966
REFRIGERATING APPARATUS
Edward B. Newill, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 28, 1934, Serial No. 745,955
Renewed July 7, 1936
8 Claims. (Cl. 62—3)



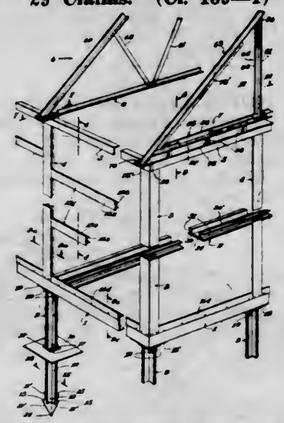
1. A refrigerating system comprising in combination, an evaporator having a refrigerant inlet connection and a refrigerant outlet connection, means for circulating liquid refrigerant to said evaporator and for withdrawing gaseous refrigerant therefrom, means for controlling the flow of refrigerant to said evaporator to maintain a quantity of liquid refrigerant therein, said last named means including a portion thereof disposed in thermal contact with refrigerant in said evaporator, and means for supplying artificial heat to said portion of said last named means whereby said portion of said last named means is rendered responsive to a variation in the level of liquid refrigerant in the evaporator for actuating said refrigerant flow control means.

2,078,967
TAP CLAMP
Maxwell E. Noyes, Mount Lebanon, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 13, 1933, Serial No. 675,556
5 Claims. (Cl. 173—273)



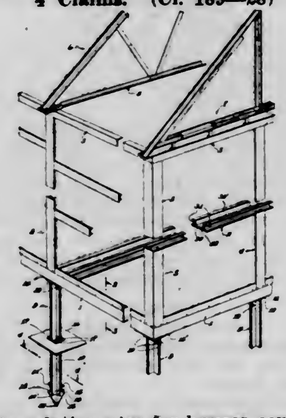
4. In combination with a transmission line a unitary structure comprising a demountable clamp having a body portion curved at its upper end to provide a line gripping face, an intermediate seating portion in said body portion, a slidable arm detachably mounted in said seating portion and having a face portion adapted to co-operate with the gripping face of the body portion to secure the clamp to said line, means for attaching a tap line to said clamp, and resiliently supported inertia members for damping vibratory motion of said line and clamp.

2,078,968
BUILDING STRUCTURE
Chester A. Patterson, Peekskill, N. Y., assignor to Hiter King, New York, N. Y.
Application May 23, 1934, Serial No. 727,090
29 Claims. (Cl. 189—1)



4. A prefabricated house structure comprising outside vertical channel studs with their open sides disposed inwardly and roof trusses carried by said vertical studs, said trusses including horizontal members having their ends offset to clear the upper ends of the ducts formed by the channel studs for the reception of service lines leading down from points above the ceiling to and into the vertical channel studs.

2,078,969
HOUSE FOUNDATION
Chester A. Patterson, Peekskill, N. Y., assignor to Hiter King, New York, N. Y.
Original application May 23, 1934, Serial No. 727,090. Divided and this application November 2, 1934, Serial No. 751,145
4 Claims. (Cl. 189—28)



1. A foundation pier for houses comprising an undivided elongated plate and a divided elongated plate disposed edgewise thereto and on opposite

sides, pairs of angle pieces fastened to the opposite sides of said undivided plate, the members of each pair engaging the opposite sides of the divided plate sections and a bearing plate having openings formed therein corresponding to said angle pieces and threaded thereover with said last named plate being disposed at right angles to the angle pieces and rigidly fastened thereto and to the divided and undivided plates, said divided and undivided plates being formed at their lower ends into driving and cutting edges terminating at their upper end at shoulders formed in the plates, and supporting means at the top of the pier forming a bearing surface for the house framework.

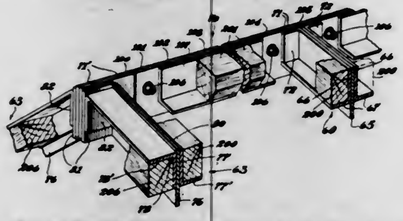
2,078,970

HOUSE CONSTRUCTION

Chester A. Patterson, Peekskill, N. Y., assignor to Hiter King, New York, N. Y.

Original application May 23, 1934, Serial No. 727,090. Divided and this application November 2, 1934, Serial No. 751,146

7 Claims. (Cl. 108—24)



1. An end roof truss structure for a house comprising a horizontally disposed plate, an inclined truss member with its lower end resting upon said plate, a frame member parallel to and disposed above said plate together with means for spacing the same and anchoring it in position and intermediate bracing members fastened at their upper ends to the inclined truss member and at their lower ends to said horizontal member.

2,078,971

PROCESS FOR THE MANUFACTURE OF POLISHING WAX COMPOSITIONS

John D. Pickens and Theodore Richard Thompson, Flint, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 17, 1934, Serial No. 748,666

8 Claims. (Cl. 134—24)

1. A process for the preparation of firm, turpentine free wax polishing composition having glossy surfaces which comprises melting a wax or mixture of waxes and heating to such a temperature that when the melted wax is admixed with the cool solvent with agitation, the resulting mixture of waxes and solvent will be only a few degrees above the solidifying point of the mixture incorporating the cool solvent with the said wax and while the mixture is still only a few degrees above the solidifying point pouring into containers and cooling same by blowing a gentle draft of cool air over the surface of the material in the container.

2,078,972

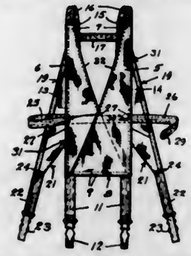
GARTER WAIST

Thora Gronvold Potter, Seattle, Wash., assignor of one-half to Gunhild S. Flaten, Seattle, Wash.

Application September 4, 1934, Serial No. 742,559

8 Claims. (Cl. 241—4)

1. In a garter waist of the class described, a front member and a back member connected therewith, said back member comprising, two spaced apart substantially triangular back members embodying outer upright sides adapted when worn to extend downwardly from the shoulders to the outer sides of the legs, two upright sides adapted when worn to extend substantially verti-



cally from the shoulders to the waist, and two sides adapted when worn to extend from the waist at the back downwardly and around to the outer sides of the legs; and stocking supporting members connected with the lower end portions of said back members.

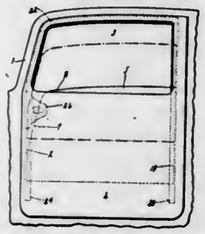
2,078,973

WINDOW RUNWAY OR CHANNEL

James S. Reid, Shaker Heights, Ohio, assignor, by mesne assignments, to The Standard Products Company, Cleveland, Ohio, a corporation of Ohio

Application June 25, 1934, Serial No. 732,261

7 Claims. (Cl. 296—44.5)



1. A window runway or channel, comprising a main channel structure having a base and a pair of window-receiving side wall portions, and a pair of window-receiving supplemental side wall portions cooperatively associated with the side wall portions of a section of said main channel structure and being of greater depth than the side wall portions of said main channel structure, said supplemental side wall portions being suitably secured to said main channel structure, each of the projecting outer end parts of said supplemental side wall portions being provided with an aperture into which is yieldingly pressed and in which is yieldingly secured a window-engaging cushioning button.

2,078,974

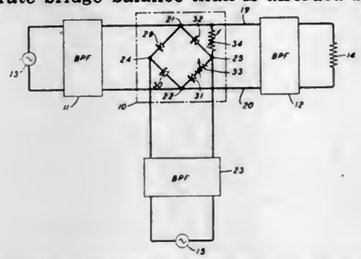
MODULATING SYSTEM

Robert R. Riesz, Mount Vernon, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 7, 1936, Serial No. 89,363

4 Claims. (Cl. 179—171)

1. A modulating system of the carrier suppressed type comprising a source of modulating waves connected in an input circuit of the system, an output circuit, a balanced Wheatstone bridge comprising a physically inert non-linear resistance element in each of its arms, the Wheatstone bridge being interposed between the input and output circuits, a source of carrier waves connected to the Wheatstone bridge for modulation therein by said modulating waves, and means for increasing the degree of suppression of the unmodulated carrier component by providing a more accurate bridge balance than is afforded by bal-



ancing said non-linear resistance elements against one another comprising a resistance connected in series with a non-linear element in one arm of the bridge and a resistance connected in shunt relation to the non-linear element in a different arm of the bridge, said series and shunt resistances being proportioned to provide the required degree of balance.

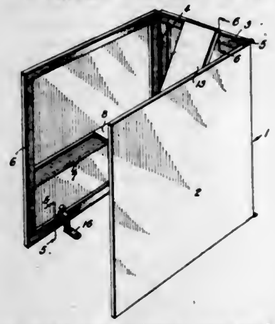
2,078,975

SUN STALL

Russell Roberts, Fair Haven, Vt.

Application August 6, 1935, Serial No. 34,965

2 Claims. (Cl. 128—372)



1. A sun stall comprising opposed side walls and an end wall, hinges connecting said walls, a seat member removably secured to the side walls, and a back rest removably secured to the seat member and to the upper edge of the end wall.

2,078,976

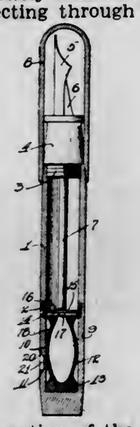
FOUNTAIN PEN

Solomon M. Sager, Glencoe, Ill.

Application January 18, 1936, Serial No. 59,673

11 Claims. (Cl. 120—46)

1. A fountain pen comprising an elongated barrel, a section in one end of the barrel, a pen point and a feed bar secured in the section, said feed bar having an integral elongated reduced shank extending through the barrel to within a short distance of the outer end thereof, a filler unit removably engaged on the end of the barrel opposite the section, said filler unit comprising a casing closed at the outer end and open at the inner end, with said inner end removably engaged on the end of the fountain pen barrel, said casing having an opening and a recess formed in the wall thereof, a resilient rubber-like bulbous structure enclosed by the casing and having an apertured end thereof positioned adjacent the end of the feed bar shank within the barrel, a resilient strap spring in the casing seated against the side of the bulbous structure, and an operating member movably connected with the strap spring and projecting through the casing open-



ing to permit operation of the bulbous structure for filling the fountain pen barrel, said operating member when not in use being adapted to be moved into an out-of-the-way position to seat in the recess provided in said casing.

2,078,977

FLUID DENSITY RESPONSIVE DEVICE

David Samiran, Dayton, Ohio

Application April 29, 1930, Serial No. 448,391

2 Claims. (Cl. 210—54)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A float adjustable to different mean densities corresponding to liquids of different densities, said float comprising a container having an air chamber to receive an air displacing substance for weighting said float, and means cooperating with said chamber and forming a part of said float for establishing a desired relation between the weight of the air displacing substance and the volume of the float to obtain a float having a predetermined weight per unit volume such that said float will assume substantially the same buoyant position in any of the liquids to which it is adjustable, said float having a mean density such that it will displace a weight of said liquid to which it is adjusted that is less than the weight of the said liquid displaceable by the entire volume of said float but greater than a similar volume of any medium having a lesser density than the density of said liquid.

2,078,978

METHOD OF OBTAINING HORMONE-LIKE KETONIC SUBSTANCES

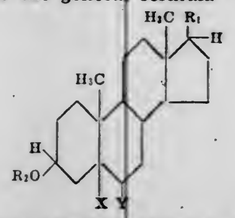
Erwin Schwenk, Montclair, N. J., and Bradley Whitman, New York, N. Y., assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application November 5, 1934, Serial No. 751,578

11 Claims. (Cl. 260—131)

1. The method of producing substituted cyclic ketones having a cyclopentano polyhydro phe-

nanthrene nucleus which comprises subjecting a compound of the general formula



wherein R_1 is an aliphatic side chain, R_2 is an acyl residue containing a group capable of forming water-soluble salts, and X and Y are members of the group consisting of hydrogen and halogen, to the action of oxidizing agents which split off the side chain, and then separating the polynuclear ketonic material from the reaction mass.

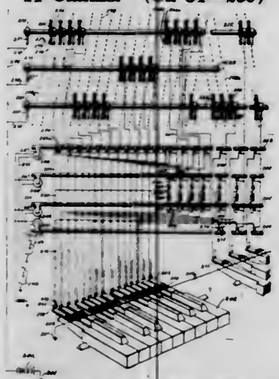
2,078,979

MAGNETIC CONTROL APPARATUS FOR MUSICAL INSTRUMENTS

Victor H. Severy, Los Angeles, Calif., assignor to Creative Industries, Inc., a corporation of Nevada

Application July 10, 1933, Serial No. 679,632

11 Claims. (Cl. 84—259)



1. In a magnetically controlled stringed instrument, the combination of a plurality of strings mounted for vibration to produce the different notes of a musical scale, a shaft mounted for rotation and extending past the strings, rotary members mounted on the shaft corresponding to the different strings, said rotary members having circumferentially disposed equidistant poles operating to pass their corresponding strings as the shaft rotates, and means for rotating the shaft at a speed to cause the poles to pass the strings at a frequency corresponding to the period of vibration of the strings.

2,078,980

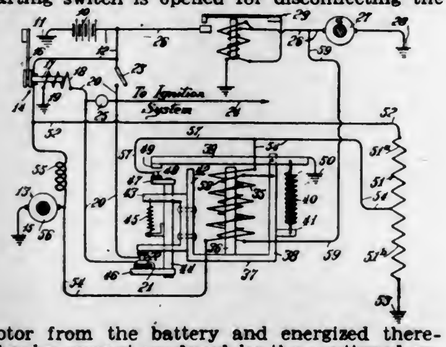
ELECTRIC STARTING SYSTEM FOR INTERNAL COMBUSTION ENGINES

Joseph G. Sola, Oak Park, Ill.

Application May 2, 1936, Serial No. 77,486

17 Claims. (Cl. 290—37)

3. In a starting means for an internal combustion engine, the combination of an electric starting motor, means actuated by the operation of said motor for starting the engine, an electric battery, means comprising a starting switch for connecting the motor with the battery, electrically operated means comprising circuit means and a normally closed switch therein for closing said starting switch for operating the motor, and means comprising an electromagnet energized by current from said battery for opening said normally closed switch whereby said starting switch is opened for disconnecting the



motor from the battery and energized thereafter by current produced by the continued rotation of said motor by its kinetic energy after a starting operation for holding said normally closed switch open so as to prevent the closure of said starting switch until after the motor has come substantially to rest.

2,078,981

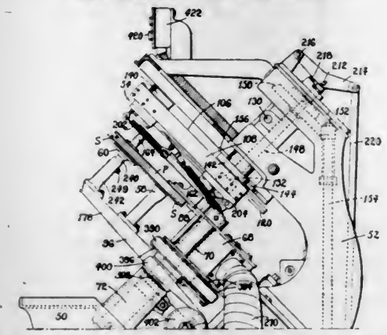
MACHINE FOR OPERATING UPON SOLES

Ernest W. Stacey, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application May 26, 1934, Serial No. 727,765

In Great Britain March 27, 1934

42 Claims. (Cl. 12—17)



1. In a machine for operating upon soles, a tool for simultaneously beveling and furrowing the surface of the marginal portion of a sole, and means for effecting relative movement of said tool and a sole in a manner to cause a combined beveling and marginal surface furrowing operation to progress lengthwise of the sole margin.

2,078,982

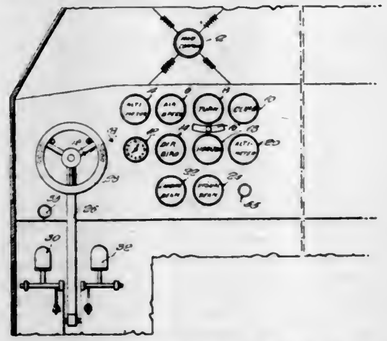
DEVICE FOR USE IN CONNECTION WITH OPERATION OF AIRCRAFT

Horace Stark, Washington, D. C.

Application December 7, 1934, Serial No. 756,535

24 Claims. (Cl. 244—1)

1. A device for transmitting flight factor information from a flight factor measuring instrument to the pilot of an aircraft through the tactile sense of his hand without the necessity of making a visual reading of such flight instrument which comprises a quantitative flight factor measuring device, a control element operated by the pilot during flight to control the flight of the aircraft, a tactile unit for indicating said quantitative measurement mounted on the control ele-



ment so as to be accessible to a hand of the pilot in the normal flying position and means operatively controlled by said factor measuring device for transmitting the quantitative flight factor measurement from the said measuring device to the said tactile unit.

2,078,983

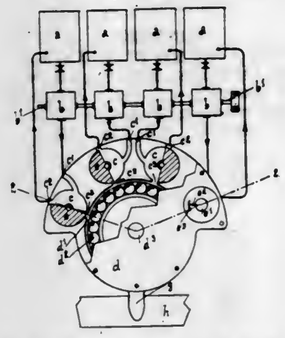
PROCESS AND APPARATUS FOR MIXING AND EMULSIFYING LIQUIDS

Paul Louis Armand Thiberge, Nanterre, France

Application May 22, 1929, Serial No. 365,214

In France May 29, 1928

43 Claims. (Cl. 259—8)



1. In an apparatus for mixing and emulsifying liquids, the combination of a plurality of stock tanks, pumps of equal output each associated with one of the said stock tanks, means for actuating simultaneously the said pumps, at the same speed, a distributing chamber for each pump having three openings, means for connecting one of said openings to the outlet of its respective pump, means for connecting another of said openings to the respective stock tank of its distributing chamber, rotary mixing means for said distributing chambers, means for connecting the third of said openings to said mixing means, and distributing means in each of said distributing chambers adapted to control said openings in a way to give a complementary flow through two of said openings whose sum is equal to the output of the respective pump thereof.

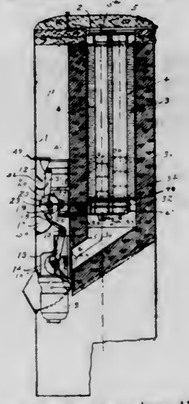
2,078,984

PACKAGE DISPENSING APPARATUS

Sydney W. Williamson, Dayton, Ohio, assignor to Ice Cream Dispensing Corporation, a corporation of Delaware

Application January 21, 1932, Serial No. 587,951

52 Claims. (Cl. 194—7)



14. In a dispensing apparatus, the combination with a storage compartment for articles to be dispensed, and article detent and release means, of a rock shaft, a rock arm of the shaft, discs loosely mounted on the shaft at opposite sides of the rock arm, and adapted to receive a bridging member with which the rock arm engages to actuate the discs in unison with the shaft during its rocking motion in one direction, the return motion of the shaft and arm being independent of the discs which are left in their advanced positions, operative connections between the discs and the article detent and release means, an actuating motor, and a control circuit therefor closed by the simultaneous engagement of the rock arm and discs with the bridging member, and a second contact in said circuit closed by the initial movement of the rock shaft and arm and maintaining the circuit closed until the shaft and arm approach their normal position at the limit of their return motion.

2,078,985

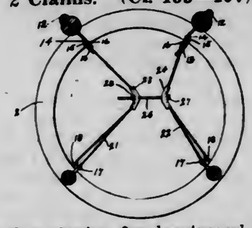
BRACE FOR ARTICLES OF FURNITURE

Theodore H. Wittliff, Cleveland, Ohio

Application March 30, 1929, Serial No. 351,295

Renewed January 14, 1936

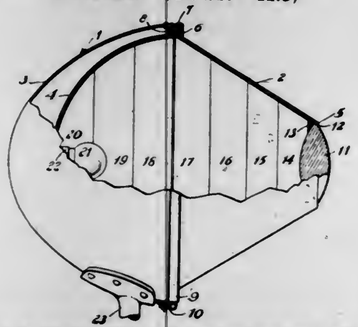
2 Claims. (Cl. 155—197)



1. A bracing device for bentwood chairs comprising a pair of endless loops each doubled upon itself to provide substantially parallel strands, terminal elements secured to the legs of said chairs immediately beneath the seat portion thereof and other terminal elements secured to the inner rim of the marginal seat portion in spaced relation to the adjacent legs, each of said loops engaging the terminal members

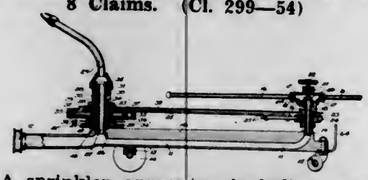
in the legs of said chair and in the inner rim of the marginal seat portion of said chair, a pair of tensioning members engaging said respective loops at substantially their central portions, and means adapted to move said members to apply tension to said terminal elements and the adjacent parts of the chair structure.

2,078,986
LIGHT RAY PROJECTOR
Briant Sayre Young, Los Angeles, Calif.
Application September 5, 1934, Serial No. 742,740
3 Claims. (Cl. 240—41.3)



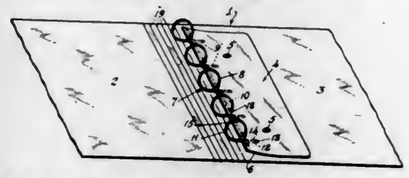
1. As a new article of manufacture, a headlight or the like including a reflector, and a conical casing forward of said reflector, the inner wall surface of said reflector and said conical casing provided with contiguous annular bands of different spectral color values.

2,078,987
TRAVELING SPRINKLER
Lee H. Adamson, Brentwood Heights, Calif.
Application August 11, 1934, Serial No. 739,440
8 Claims. (Cl. 299—54)



1. A sprinkler apparatus including a carrier body, means for connecting a source of water supply under pressure therewith, a primary sprinkler nozzle rotatably mounted thereon, a ratchet wheel concentrically connected with said primary sprinkler nozzle for turning the same, a cable gripping and pulling mechanism mounted on said body and connected to be driven by said ratchet wheel, whereby to grip and pull said body along a cable, a ratchet lever pivotally connected at one end concentrically with said ratchet wheel and having operating dogs thereon for intermittently moving said ratchet wheel and said primary sprinkler member and said cable gripping and pulling mechanism, a secondary sprinkler member mounted on said body and operable by the force of water discharged therethrough, an eccentric operated by said secondary sprinkler member, and operating connections between the free end of said ratchet lever and said eccentric, whereby the operation of said secondary sprinkler member positively drives said primary sprinkler member and said cable gripping and pulling mechanism for intermittently moving said sprinkler apparatus bodily.

2,078,988
BOOKBINDER
Frank Amato, New York, N. Y., assignor to Kamket Corporation, New York, N. Y., a corporation of New York
Application December 21, 1935, Serial No. 55,556
4 Claims. (Cl. 129—23)



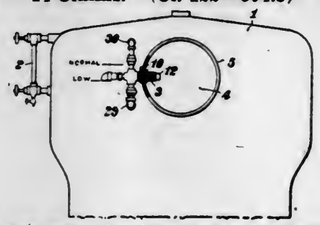
4. A book binder comprising a backing, a support secured to the backing, one edge of the support being provided with perforations, a binder element comprising a plurality of sheet-supporting members, each sheet-supporting member comprising a ring-like member, a tongue, an opening in said ring-like member, said ring-like members and said tongues being made of continuous bent stock material, a tie member extending from one ring-like member to the adjoining ring-like member, the opening being defined by a tongue and the end of the ring-like member, said tongue extending a short distance beyond the opening and providing means to guide the sheet to said ring-like member, said binder element being normally carried by said support with the ring-like members passing through the perforations in said support, with the tongues located beneath said support, said binder element being rotatably supported on said support, and when rotated from said normal position, said tongues swinging from beneath said support and exposing their ends and said openings for threading and reception of sheets perforated along the edges thereof.

2,078,989
BASE FOR LIFTING JACKS
David Ashkenas, Middletown, N. Y.
Application January 31, 1935, Serial No. 4,401
Renewed December 31, 1936
6 Claims. (Cl. 248—346)



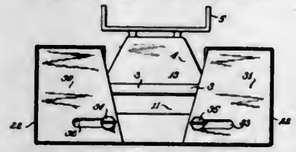
1. In a device of the class described, a base portion, means on the base portion to hold a jack thereon, said means including a pair of jaws independently pivoted on the base portion, and a spring for holding the jaws in their operative and their inoperative positions.

2,078,990
SAFETY DEVICE FOR HEAT TRANSFERENCE APPARATUS
Frederick D. Austin, Port Chester, N. Y.
Application August 27, 1932, Serial No. 630,743
14 Claims. (Cl. 122—504.3)



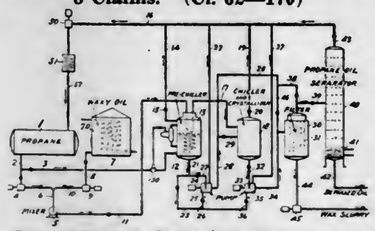
1. In low water level cut-outs, the combination of a tube adapted to have a closed portion extended into the area of heat travel of a boiler and to be located approximately at the low liquid level of the boiler, means of communication of the tube with the boiler above and below the low water level, circuit-controlling heat-responsive means arranged within the tube and a casing enclosing the heat-responsive means within the tube and protecting the same from water contact.

2,078,991
POLE CABLE TERMINAL
John S. Baker, Chicago, Ill., assignor to Cook Electric Company, Chicago, Ill., a corporation of Illinois
Application July 20, 1934, Serial No. 736,274
4 Claims. (Cl. 247—7)



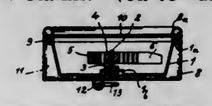
1. A cable terminal box having conductor channels therein and a terminal base, mounting means therefor, a cover for conductor wires in said channels adapted to be attached to said terminal base, one end of said channels being open, and slidably mounted closure means for closing the open ends of said channels.

2,078,992
METHOD AND APPARATUS FOR DEWAXING OILS
Daniel B. Banks, Upper Darby, Pa., and Paul D. Barton, Scarsdale, N. Y., assignors, by mesne assignments, to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application April 13, 1934, Serial No. 720,416
8 Claims. (Cl. 62—170)



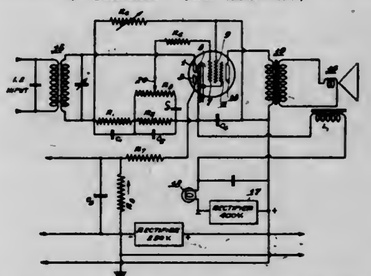
1. In a propane dewaxing system, a propane tank, an oil chilling and crystallizing tank, a pump for forcing propane from the propane tank to the oil chilling tank, said pump comprising a pump chamber and a jacket closed from communication with the pump chamber, and means for admitting propane to and expanding propane within the pump jacket, thereby chilling the pump chamber and preventing evaporation of the propane being pumped therethrough.

2,078,993
WATERTIGHT PORTABLE THERMOMETER
Emile Barbier, Paris, France
Application June 18, 1936, Serial No. 85,968
In Luxemburg July 6, 1935
2 Claims. (Cl. 73—118)



1. In a watertight portable thermometer, a thin metal cup, a pivot fast in the center of this cup, a bi-metal spiral fixed with its central part to the said pivot, a needle formed by the free extremity of said spiral, a dial in said cup to permit of reading the displacements of said needle, a case to receive said cup with said spiral, a disc of transparent material to close the upper part of said oase, a flat border on the upper edge of said cup, a washer of yielding material disposed between said transparent disc and said border, and a border of the case, bent over said transparent disc, to prevent the passage of water between said disc and said cup.

2,078,994
DEMODULATOR
Loy E. Barton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 28, 1933, Serial No. 695,555
7 Claims. (Cl. 250—27)

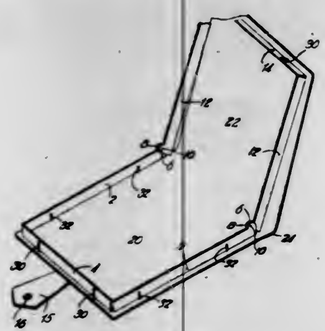


1. In combination, a modulated signal input circuit, means providing a diode rectifier in connection with said circuit, an output impedance in series with said rectifier and connected with the cathode thereof, volume control means connected in shunt with at least a portion of said output impedance, an electric discharge amplifier associated with said diode rectifier and having an input grid connection with said volume control means and having a conductive connection therethrough to said output impedance, and means for applying a positive potential to the anode end of said diode output impedance.

2,078,995
FOLDING RECEPTACLE
Hamilton C. Bates, Chester, Conn.
Application March 25, 1936, Serial No. 70,818
4 Claims. (Cl. 150—29)

1. A folding receptacle of the class described comprising in combination, a substantially rec-

tangular body having upper and lower wall members of substantially equal area joined at their rear marginal edges to an intermediate hinge portion, and a frame of relatively rigid material consisting of a pair of U-shaped members hinged together for swinging movements, each of said U-shaped members including a pair of substantially parallel side arms and a forward end portion extending transversely between the forward ends of said side arms, one of said wall members being secured to the forward end portion only of one of the U-shaped members and the other of said wall members being secured to both the forward end portion and the side arms of the other U-shaped member, said hinge portion of the body being flexible and freely movable relative to said frame.



2,078,996

NEW DYESTUFFS OF THE ANTHRAQUINONE SERIES

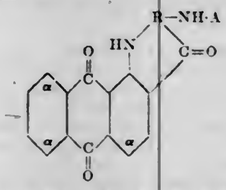
Wilhelm Bauer, Leverkusen-Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 14, 1935, Serial No. 1,819. In Germany January 13, 1934

9 Claims. (Cl. 260—37)

(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

5. Carbazoles of compounds of the following formula:—



wherein R stands for an aromatic nucleus selected from the group consisting of the benzene and naphthalene nuclei, A stands for a 1-anthraquinone radical which contains a benzoylamino group in one of the α-positions and wherein in R one ortho-position to the 1-aminobenzoylamino anthra-quinone radical and in the latter the ortho-position to the amino group is unsubstituted, these compounds being insoluble in water, alcohol, alkalies and diluted mineral acids, sparingly soluble in organic solvents, soluble in concentrated sulfuric acid and easily soluble in the alkaline hydrosulfite vat.

2,078,997

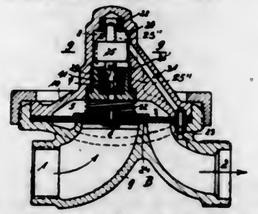
METERING SYSTEM

Alfred Berger, Breslau, Germany, assignor, by mesne assignments, to H. Meinecke, A. G., Breslau, Carlowitz, Germany

Application June 14, 1932, Serial No. 617,236

In Germany September 24, 1930

4 Claims. (Cl. 50—11)



1. An intermittence valve device for use in connection with liquid meters, comprising in combination a casing having an inlet passage and an outlet passage separated by a partition, a shutting-off member in said casing adapted to normally bear against said partition and prevent flow of liquid from said inlet passage to said outlet passage, a chamber on the side of said shutting off member remote from said inlet and outlet passages and communicating with said inlet passage through said shutting off member, a liquid filled vessel on said casing covering said chamber and communicating with said chamber and said outlet passage, an upwardly opening auxiliary valve in the connection between said vessel and said chamber, and a loading body in said vessel acting by its weight on said auxiliary valve to close said valve and of such shape that its movements in said vessel are damped.

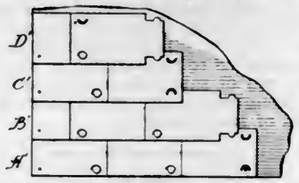
2,078,998

BUILDING COVERING

Edward Roscoe Black, Chicago, Ill., assignor to Black Systems, Inc., Chicago, Ill., a corporation of Illinois

Application October 10, 1932, Serial No. 637,002

1 Claim. (Cl. 108—7)



A building covering unit comprising a generally rectangular sheet of flexible weatherproof material, a tab projecting symmetrically from one lateral edge of the body of the unit, a flap projecting vertically from each horizontal edge of the tab, the two flaps being equally spaced from the adjacent edge of the body, and a pair of tongues in the body of the unit adjacent the edge opposite the tab, said tongues being formed by openings through the body of the unit, the bases of the openings and tongues formed thereby being substantially in horizontal alignment with the bases of the flaps on the tab.

2,078,999

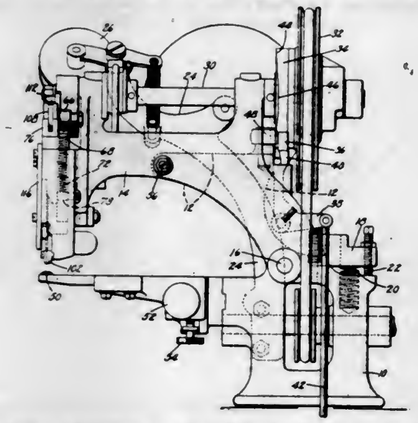
STAPLING MACHINE

Benjamin B. Blanchard, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application June 27, 1936, Serial No. 87,660

6 Claims. (Cl. 1—20)

1. In a staple forming and driving machine, an anvil, a head carrying a main cam shaft and staple forming and driving mechanism operated thereby and a driving throat located above said anvil, said head being pivoted upon the machine frame at a point remote from said anvil and from said cam shaft, and mechanism lo-



cated between the machine frame and the cam shaft arranged to be operated by the shaft and to exert a force between the frame and the cam shaft whereby the said head will be moved about said pivot toward and from said anvil.

2,079,000

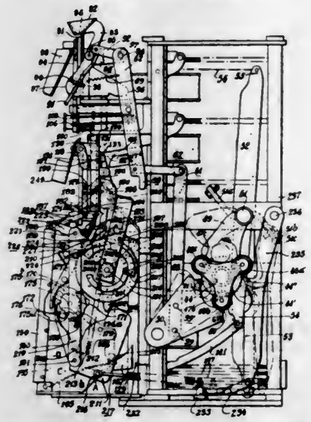
COIN-, TOKEN-, OR CHECK-FREED APPARATUS FOR PLAYING A GAME OF SKILL

Bernard William Brenner, Croydon, England, assignor of one-half to Philip Shefras, London, England

Application April 16, 1935, Serial No. 16,563

In Great Britain April 21, 1934

13 Claims. (Cl. 194—71)



1. Coin-, token-, or check-freed apparatus for playing a game of skill comprising in combination a plurality of wheels, lever actuating means for spinning said wheels independently and consecutively and means whereby when a wheel spins and stops in a winning position the wheel underneath is spun, but in any other position the first mentioned wheel prevents the spinning of all the wheels below it, means for freeing said lever actuating means by the insertion of a coin, token or check in the apparatus, skill-control means for stopping said wheels, and means for delivering a prize determined by the positions in which the wheels are stopped.

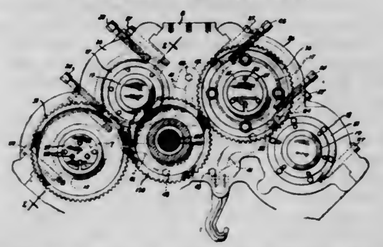
2,079,001

PRINTING PRESS

Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois

Original application September 15, 1933, Serial No. 689,512. Divided and this application November 3, 1934, Serial No. 751,289. In Great Britain February 8, 1934

12 Claims. (Cl. 101—247)



10. In a printing press, in combination, a printing couple, a frame in which the cylinders of said couple are journaled, and means for variably positioning one cylinder relatively to the other including a complete eccentric in which said cylinder is journaled, ears on said eccentric, screw-threaded members on either side of the cylinder shaft and movable in opposite directions to angularly position the eccentric and movable in the same direction to press the eccentric against its bearing.

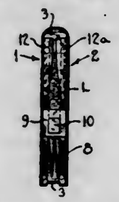
2,079,002

HOLDER FOR LIPSTICKS AND SIMILAR ARTICLES

Jean Pierre de Loeschnigg, New York, N. Y.

Application March 7, 1936, Serial No. 67,590

8 Claims. (Cl. 206—56)



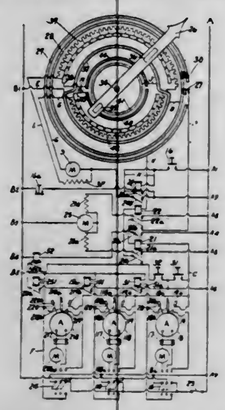
1. A holder comprising a pair of members which are turnable relative to each other, said holder having stop means to limit the movement of said turnable members towards each other, a carrier mounted for longitudinal movement intermediate said members and having an article longitudinally projecting therefrom towards the outer ends of said members, said members having clamping means which are movable in unison with said members and which are adapted to clamp and hold said carrier in fixed position relative to said members, said clamping means being located laterally inwardly of said stop means and being wholly spaced from the outer ends of said casing members, the outer ends of said clamping means being sufficiently close to the outer ends of said turnable members to prevent the outer ends of said turnable members from clamping said article.

2,079,003
ELECTRIC SWITCH DEVICE
Stewart B. Dick, East Orange, N. J., assignor to Dewar Manufacturing Company, Brooklyn, N. Y., a corporation of Delaware
Application July 8, 1936, Serial No. 89,492
8 Claims. (Cl. 200—6)



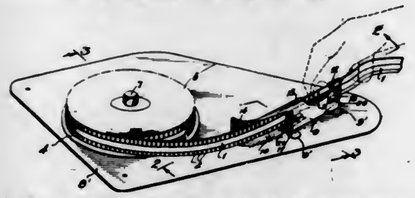
1. An electric switch device comprising an air tight receptacle having a relatively small chamber, a spindle extending from the outside through one wall of the receptacle and having one end projecting into the chamber, a resilient contact arm within the chamber and attached to the inner end of the spindle, said arm having ends bent toward the bottom of the chamber, a plurality of contact devices located at the bottom of said chamber and arranged to coact with the respective bent ends of the contact arm, each contact device having a portion extending through a wall of the receptacle to the outside and arranged to be there connected to an exterior circuit conductor, an enlargement on the spindle outside the receptacle, a packing washer mounted on the spindle between said enlargement and the receptacle and arranged to be pressed against said receptacle by the elastic reaction of the contact arm against the respective contact devices, and means outside the receptacle for giving the spindle a rotary motion in either direction.

2,079,004
METHOD FOR REGULATING THE RATE OF FEED OF A MILLING MACHINE OR OTHER MACHINE TOOL HAVING A PLURALITY OF DRIVING MOTORS
John E. Doran, Cincinnati, Ohio
Application April 10, 1935, Serial No. 15,624
9 Claims. (Cl. 172—239)



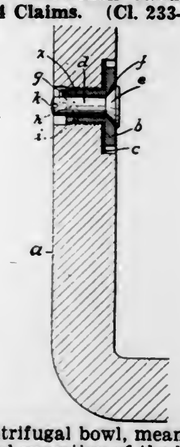
8. In combination, a plurality of electrical motors, a plurality of moving elements one for each motor and each adapted to be actuated by the power input of its associated motor, an adjustable speed auxiliary motor, and means for speed adjustment adapted to be actuated by the moving elements and to adjust the speed of the auxiliary motor.

2,079,005
DISPENSING DEVICE
Aaron Freydberg, Mount Vernon, N. Y., assignor to Freydberg Bros., Inc., New York, N. Y., a corporation of New York
Application February 25, 1936, Serial No. 65,605
9 Claims. (Cl. 312—74)



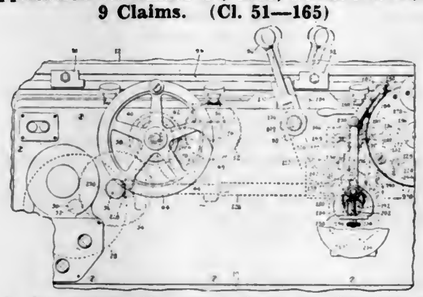
1. In a device for dispensing articles such as pins, clips, etc. mounted on a strip, a guide through which the strip and articles are fed comprising a pair of spaced members, at least one of said members having a depression in its upper edge to present one or more of the articles to be dispensed in position for easy and quick removal by the fingers, means to maintain the strip between said members as the articles are removed, and adjustable means cooperating with said members to vary the effective height of said guide.

2,079,006
CENTRIFUGAL SEPARATOR BOWL
Olof Einar Fröding, Stockholm, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application December 16, 1933, Serial No. 702,710. In Sweden January 18, 1933
4 Claims. (Cl. 233—20)



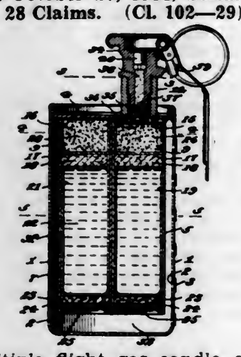
1. In a centrifugal bowl, means operative during the normal operation of the bowl to discharge only one of two constituents of a mixture and also selectively operative to intermittently discharge the other constituent, said means comprising an annular outer member extending through the bowl wall, an inner member extending through the outer member, and having an orifice affording an opening for outflow of either constituent, means to throttle the inner opening to said orifice, there being a transverse channel through the inner member communicating with said orifice, the inner member being adjustable inward to provide a relatively unrestricted opening between the two members to provide an unrestricted passage from the interior of the bowl through said opening, channel and orifice to the exterior of the bowl, and means adapted to hold the inner member in its inwardly adjusted position against centrifugal force.

2,079,007
CROSS FEED MECHANISM FOR GRINDING MACHINES
Walter A. Gigger, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application November 14, 1935, Serial No. 49,723
9 Claims. (Cl. 51—165)



1. An automatic cross feed mechanism for grinding machines which include a reciprocable work support and a control member movable through a variable distance in opposite directions with each reversal in the direction of support movement, comprising a reciprocable wheel feed member, mechanical connections rendered operative by the movement of said control member in either direction to impart a reciprocatory feed movement to said wheel feed member, and a lost motion connection in said connections operative during the latter portion of the movement of the control member in each direction to arrest the movement of said feed member in a predetermined limiting position.

2,079,008
REPEATING CANDLE
Byron C. Goss, Cleveland, Ohio, assignor to United States Ordnance Engineers, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 27, 1934, Serial No. 750,366
28 Claims. (Cl. 102—29)



2. A multiple flight gas candle comprising a casing, areas constituting vents in the wall thereof, a plurality of elements therein, each of said elements containing explosive and gas generating chemicals, means to explode said explosive in the separate elements in spaced succession, each spaced explosion generating and violently expelling spaced discharges of gas from said candle through said vents, each discharge of gas imparting to said candle an additional flight.

2,079,009
AUTOMATICALLY VARIABLE CAMSHAFT
Earl C. Gregg, Enid, Okla., assignor of one-half to S. H. McEvoy, Enid, Okla.
Application June 3, 1936, Serial No. 83,366
4 Claims. (Cl. 64—25)



1. The combination with a timing gear, of a disk upon which said timing gear is mounted for limited relative rotation, a cam shaft upon which the disk is fixed, the forward face of the disk and the forward face of the timing gear lying in substantially the same vertical plane, a plurality of equidistantly spaced pins projecting forwardly from the face of said disk, a plurality of fixed pivots projecting forwardly from the face of the timing gear, equal in number to the number of said pins, bell crank levers mounted upon said pivots and comprising long arms and shorter slotted arms, said slotted arms extending inwardly toward the cam shaft and overlapping the forward face of said disk and the pins of said disk engaging in the slots of said arms, weights carried by the longer arms of said bell crank levers and spiral springs lying flat against the outer face of said bell crank levers, one end of said springs being attached to the pivots of the timing gear and the other ends of said springs being engaged with projections upon the longer arms of the bell crank levers.

2,079,010
SEWING KIT
Charles B. Gudebrod, St. Davids, Pa., assignor to Gudebrod Bros. Silk Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application August 18, 1936, Serial No. 96,590
1 Claim. (Cl. 223—106)

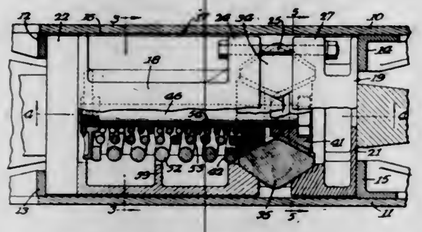


A handy sewing kit of the character described comprising a tubular container adapted to receive sewing materials, said container having an open end formed with an inwardly opening groove, and a thimble having a flange detachably received in said groove, said thimble constituting a closure for the container, with the flange and groove cooperating to provide a snap fastener for positioning the thimble.

2,079,011
DRAFT GEAR
Marchand B. Hall, Chicago, Ill., assignor to Cardwell-Westinghouse Company, Chicago, Ill., a corporation of Delaware
Application September 26, 1934, Serial No. 745,499
6 Claims. (Cl. 213—26)

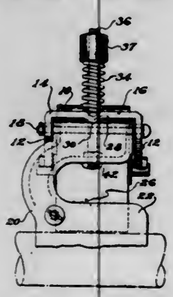
5. In a draft gear, a pair of chambered followers having their adjacent ends provided with wedging faces, a pair of wedge blocks engaging said faces, a pair of opposed wedge members engaging said blocks, the adjacent portions of said

members having cooperating interengaging portions that are adapted to engage when said gear



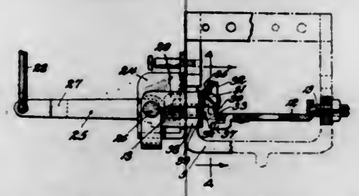
is normally expanded, and means for resiliently resisting the separation of said members when said gear is compressed.

2,079,012
STOP MOTION FOR SPINNING FRAMES
Frank E. Harding, Lawrence, Mass., assignor to Arlington Mills, Lawrence, Mass., a corporation of Massachusetts
Application February 4, 1936, Serial No. 62,285
4 Claims. (Cl. 117—30)



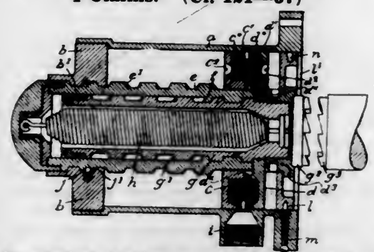
1. A lifter unit for spinning frame stop motions comprising a frame, a delivery roll bracket to receive a delivery roll, spring means acting on the bracket, and means for pivotally mounting the bracket on the frame constructed and arranged to permit a limited rocking adjustment of the bracket about an axis approximately perpendicular to the axis of the roll.

2,079,013
TYPEWRITING MACHINE
Henry J. Hart, West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application October 21, 1935, Serial No. 46,015
13 Claims. (Cl. 197—88)



1. In a typewriting or like machine, an escapement mechanism including an escapement wheel, a dog rocker, fixed and movable dogs mounted on said rocker for alternately engaging the escapement wheel, and a spring for normally holding the rocker against movement; an operating lever; and means operated by said lever for rocking the dog rocker against the tension of the spring and for releasing said rocker during the operating stroke of said lever, said means including a bodily movable and pivotally mounted interponent normally and directly engaging said rocker and movable to disengage said rocker, a spring for normally retaining the interponent in engagement with the rocker, and means disposed in the path of movement of the interponent for swinging the latter out of engagement with the rocker.

2,079,014
ENGINE STARTING DEVICE
Nicolas Herzmark, Paris, France
Original application February 4, 1931, Serial No. 513,437. Patent No. 2,035,161. Divided and this application November 1, 1935, Serial No. 47,858. In France February 4, 1930
4 Claims. (Cl. 121—37)

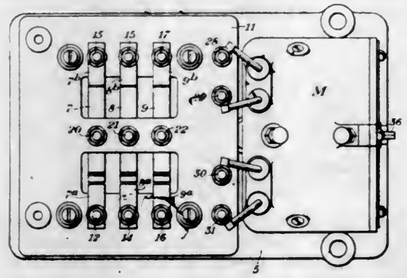


1. An engine starter comprising a fixed cylindrical casing; a stationary apertured closure member at one end of said casing, the walls defining said aperture being threaded; an end plate slidable throughout the length of said casing and adapted normally to close the other end of said casing; a pair of opposed pistons of equal diameter and reciprocable within said casing; means for introducing fluid under pressure between the pistons to move the pistons in opposite directions towards the apertured closure member and the end plate respectively; an outer sleeve within said cylindrical casing having external and internal threads, the external threads adapted to engage the threads of the stationary apertured closure member and to be rotated thereby, said sleeve being directly connected to one of said pistons and being protrusible in part from said casing through the apertured closure member; an inner sleeve within the outer sleeve having threads to engage the internal threads of the outer sleeve to be rotated thereby, said inner sleeve being secured directly to the other of said pistons; and a clutch element secured to one end of the inner sleeve and engageable with a clutch element of the engine to be started, whereby the rotation of said sleeves is imparted to the engine, the screw-threaded portion of said inner sleeve being normally within the length of the outer sleeve.

2,079,015
RAILWAY SWITCH CONTROLLER
Claude M. Hines, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 30, 1935, Serial No. 52,399
6 Claims. (Cl. 200—92)

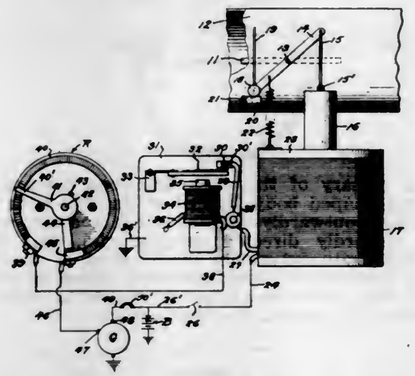
1. A switch controller comprising a pivoted contact carrying rocker, a reversible motor, means

controlled by said motor and including a first roller for moving said rocker between two extreme positions, lock mechanism effective for locking said rocker in its two extreme positions, and



means controlled by said motor and including a second roller for operating said lock mechanism to unlock said rocker during movement of said rocker by said motor.

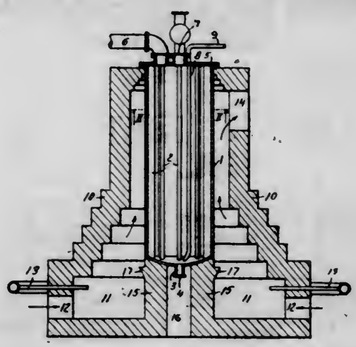
2,079,016
AUTOMOBILE GOVERNOR
John W. Horine, Wilmington, Del.
Application December 13, 1935, Serial No. 54,343
2 Claims. (Cl. 175—355)



1. The combination of an internal combustion motor having valve mechanism movable to control the operation thereof and having means for holding said mechanism normally in inoperative position, with a generator geared to said motor, and means operated by said generator to move and hold said mechanism in operative position against the resistance of said holding means during the generation of current from zero to a predetermined value, and means operated by current in excess of said value to release said mechanism.

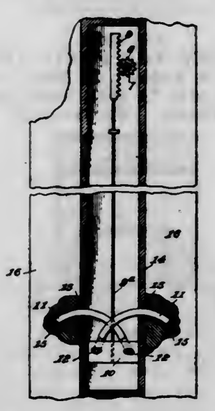
2,079,017
APPARATUS FOR HEATING MATERIALS
Carl Iddings, Staten Island, N. Y., and George S. Simpson, Plainfield, N. J., assignors to General Chemical Company, New York, N. Y., a corporation of New York
Application October 18, 1933, Serial No. 694,107
4 Claims. (Cl. 23—277)

1. In an apparatus for carrying out the reaction between carbon and sulfur to form carbon bisulfide a combustion chamber, a pier of refractory material within the combustion chamber having a central opening, a burner arranged for projecting a flame of combustible material into said chamber and against the side of said pier, a retort positioned on said pier out of contact with said flame, said retort comprising a



metallic vessel having upon its interior surfaces a plurality of fins extending into the interior of the vessel, means for conducting the hot products of combustion from said flame about the exterior of said retort and a discharge opening provided with a closure on the bottom of the retort within the aforesaid central opening of the pier.

2,079,018
MULTIPLE LOCKING MEANS FOR AUTOMOBILE DOORS
Haskell Irwin, Oklahoma City, Okla.
Application February 27, 1936, Serial No. 66,097
1 Claim. (Cl. 292—39)



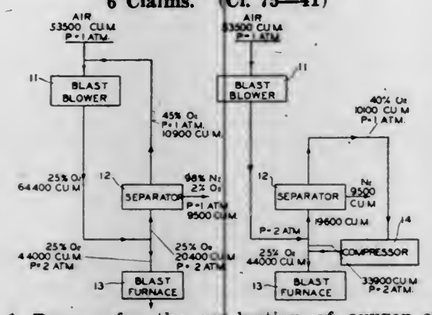
A lock for an automobile of the type comprising front and rear doors having a hollow meeting post against which the free edges of said doors abut and said doors having arcuate keepers in their front edges, said lock comprising a block mounted for vertical sliding movement in said hollow post, manually operable means for imparting vertical movement to said block, and a pair of bolts pivoted to said block at the opposite sides thereof and lying in crossed relation to each other and being of arcuate formation, the curvature of said bolts substantially conforming to the curvature of the keepers in said doors.

2,079,019

PROCESS FOR ENRICHING BLOWER BLAST WITH OXYGEN

Ernst Karwat, Grosshesselohe by Munich, Germany, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application April 3, 1935, Serial No. 14,541
In Germany May 17, 1934
6 Claims. (Cl. 75—41)



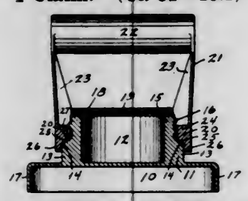
1. Process for the production of oxygen-enriched air for use as furnace blast or the like, comprising the steps of compressing to the desired blast pressure in a blast blower or the like, a mixture of air and oxygen-enriched air, said mixture having the desired blast composition; dividing said compressed mixture into a major and a minor fraction, and delivering said major fraction as blast; passing said minor fraction through a gas separation plant whereby a portion of its nitrogen content is removed; passing the oxygen-enriched air thus obtained to the intake of said blast compressor or the like; and there mixing it with air to form as feed to said compressor a mixture of air and oxygen-enriched air having the desired blast composition.

2,079,020

TRUING DEVICE FOR FRUIT JAR COVERS

Henry S. Lubben, Le Mars, Iowa

Application May 29, 1935, Serial No. 24,049
1 Claim. (Cl. 81—15.1)



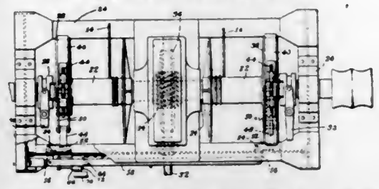
A fruit jar cover truing device comprising a cylindrical base member including a beveled shoulder extending from said base member, continuation of said shoulder including threads adapted to be received within the threads of a fruit jar cover and to cause the fruit jar flange to be seated upon said beveled shoulder, an upper rotatable member having a further beveled shoulder adapted to firmly compress said fruit jar flange against the said base member shoulder, and said upper member including an annular ring extension directly adjacent said second mentioned beveled shoulder, the extension being adapted to closely receive the periphery bounding said base member shoulder to provide accurate centering means thereon, and said upper member including a pair of upstanding ribbed flanges, a cylindrical handle attached between the flanges.

2,079,021

INDICATING MECHANISM FOR TRAWLING

John C. Malcolm, Quincy, and Ralph F. Symonds, Marblehead, Mass.

Application March 19, 1936, Serial No. 69,680
8 Claims. (Cl. 265—1)



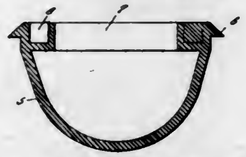
2. In an indicating mechanism for trawls, a winch, trawl cables attached to the rotary drum portion thereof, power means for rotating the drum, means to disconnect the power means from the drum, means to prevent rotation of the drum with the power means disconnected and a load on the cables, and means cooperating with said drum portion for indicating the rotary torque thereon by the cables when the power means is disconnected from the drum.

2,079,022

PESSARY

Henry L. Martin, Carmichaels, Pa.

Application June 7, 1935, Serial No. 25,489
1 Claim. (Cl. 128—127)



A pessary of the class described comprising a cup-shaped body formed at its edge with an annular outwardly directed flange and also with an inwardly directed annular rim, said rim being positioned within the confines of the cup and radially extending partitions associated with the rim and cooperating therewith to form a plurality of pockets open at one side.

2,079,023

QUATERNARY ACRIDINIUM COMPOUNDS

Hans Mauss, Wuppertal-Barmen, and Fritz Mietzsch, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y., a corporation of New York

No Drawing. Application January 7, 1935, Serial No. 800. In Germany January 13, 1934
9 Claims. (Cl. 260—36)

1. A member of the class consisting of 9-amino-10-alkyl- and 9-amino-10-aralkyl-acridinium compounds, which compounds are substituted in the 9-amino group by an aliphatic amine radical.

2,079,024

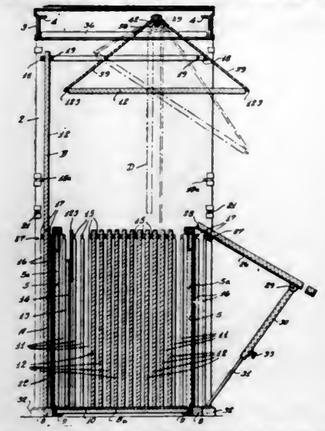
MAP DISPLAY MECHANISM

Myron D. McCauley, Huntington Woods, Mich.

Application September 3, 1936, Serial No. 99,249
21 Claims. (Cl. 40—63)

1. In combination, a cabinet having a compartment for the reception of a plurality of panels, said cabinet having means external of said cabinet for supporting a panel for inspection,

means for moving said panels individually from said compartment to said means, and means for



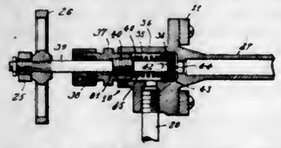
supporting a second panel upon a panel resting in said means.

2,079,025

CONTROL VALVE FOR OIL BURNERS

John H. McIlvaine, Chicago, Ill., assignor to McIlvaine Burner Corporation, Chicago, Ill., a corporation of Illinois

Original application January 11, 1933, Serial No. 651,083. Divided and this application October 8, 1934, Serial No. 747,265
4 Claims. (Cl. 251—43)



1. In a valve of the character described, a housing having a longitudinal bore, means at the inner end thereof providing a flat valve seat and a restricted orifice therein, a closure plug in the open end of said bore in spaced relation to the valve seat, a valve stem threadedly received in the closure plug having a cylindrical valve portion extending into proximity with the valve seat, said portion being of large diameter in relation to said orifice and having a bluntly conical end for cooperation with the orifice and seat to regulate flow through the orifice from an inlet on one side thereof to an outlet on the other side, the threaded portion of said stem being enlarged and projecting into the housing from said closure plug, and a coiled compression spring surrounding the valve portion and bearing at one end adjacent the valve seat and exerting pressure at the other end against the enlarged threaded portion, for the purpose described.

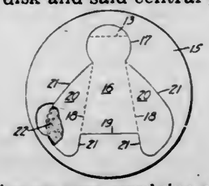
2,079,026

BOTTLE CLOSURE

John Henry Moir, Oakland, Calif.

Application April 2, 1935, Serial No. 14,339
1 Claim. (Cl. 215—51)

A bottle closure comprising a disk of relatively thick fibrous material having a slit therein defining an opening and a tab complemental to and disposed within said opening, said tab being integrally hinged to said disk at a side of said opening for free movement into and out of said opening so as to open and close the latter, a parent sheet of relatively thin stiff material overlying one face of said disk, said parent sheet having therein a continuous slit defining a central portion separable from the remainder of the sheet, said remainder of the sheet being adhesively attached to the disk and said central portion of the



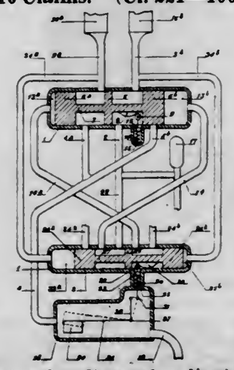
sheet comprising an area overlying and adhesively joined to said tab and free wing-shaped areas extending from opposite edges of said tab and overlying surfaces of said disk at each side of the opening thereof, and one portion of the continuous slit defining the separable central portion of said parent sheet being disposed immediately overlying the hinge of said tab.

2,079,027

APPARATUS FOR DISPENSING LIQUID HYDROCARBONS

Daniel Myon, Paris, France, assignor to Societe d'Etude de Distributeurs Automatiques S. E. D. A., Paris, France

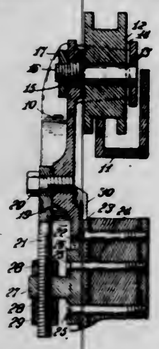
Application July 26, 1935, Serial No. 33,373
In France July 26, 1934
10 Claims. (Cl. 221—100)



4. Apparatus for dispensing liquids, more particularly liquid hydrocarbons, comprising two measuring vessels, a liquid inlet pipe under pressure, a delivery pipe, a first system or main system of slide valves comprising two piston slide valves mounted on a piston rod and adapted, according to their position, to put the liquid inlet pipe under pressure in communication with one or the other of the two measuring vessels and to put the measuring vessel, which is not in communication with the said pipe in communication with the delivery pipe, two driving pistons mounted on the said rod and displaceable in two driving chambers for varying the position of the piston slide valves, a second system or auxiliary system of slide valves comprising two piston slide valves mounted on a piston rod and adapted, according to their position, to put the said liquid inlet pipe in communication with one or the other of the driving chambers of the main system, two driving pistons, mounted on said rod and displaceable in two driving chambers for varying the position of the piston slide valves, two pipes

connecting the measuring vessels to the said driving chambers of the auxiliary system, a liquid tank, a return pipe leading to said tank adapted, according to the position of the piston slide valves of the auxiliary system, to be put in communication with one or the other of the driving chambers of the main system, an incline integral with the piston rod of the main system, a roller pressed against said incline by the action of a spring, a second incline integral with the piston rod of the auxiliary system, a roller pressed against said incline by the action of a spring which is stronger than the corresponding spring of the main system, a chamber interposed in the liquid delivery pipe, a float in said chamber, means for preventing the displacement of the roller of the auxiliary system by the corresponding incline when the said float is lifted.

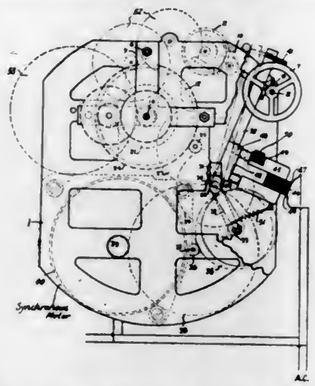
2,079,028
DOOR HANGER
Joseph Nemec, Western Springs, Ill.
Application April 9, 1936, Serial No. 73,483
7 Claims. (Cl. 16—105)



1. A door hanger of the character described comprising a roller carrying member provided at its upper end with a vertically arranged roller while the lower end has a vertically disposed slot; a door supporting element secured to said member; a door anchor adapted to be pendently secured to a door rearward of said member and having a portion extending into the slot of said roller carrying member, said anchor having vertical slidable operative relation with said element; and means whereby an operative adjustable relation between the anchor and said element is provided.

2,079,029
CLOCK
Andrew H. Neureuther, Peru, Ill., assignor to Western Clock Company, Peru, Ill., a corporation of Illinois
Application June 26, 1931, Serial No. 546,976
9 Claims. (Cl. 58—26)

1. In a clock, a synchronous electric motor actuated by the alternating current from a commercial lighting system, a time indicating means, driving means connecting said motor and said time indicating means, a disengageable coupling means forming a part of the aforesaid driving means while said current flows, mechanical timing means, auxiliary coupling means operatively connecting said mechanical timing means to said time indicating means during the period said current is not flowing and means co-acting to stop said mechanical timing means and reengage said disengageable coupling means during the period said current is flowing whereby the time indicating means is continuously actuated regardless of the number of the interruptions in the flow of said current.



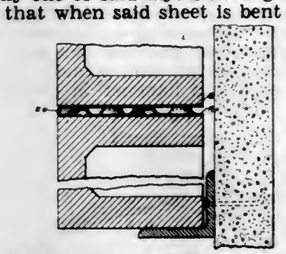
9. In a clock including a time indicator, an electrical circuit, a synchronous electric motor in said circuit, connections between the motor and the time indicator, including a gear, for operation of the time indicator by the motor, means for disconnecting the motor from the time indicator upon cessation of the current, said means comprising a member magnetically influenced by the current, said means mounting said gear for movement to and from driving relation in the connections between the motor and the time indicator, said member arranged and constructed to hold the gear in driving relation when the current is on and to permit the gear to move out of driving relation when the current is off and a second motor arranged and adapted to continue the operation of the time indicator when the current is off.

2,079,030
POWDERED FOOD PRODUCT AND METHOD OF PREPARATION
Robert T. Northcutt, Cranford, N. J.
No Drawing. Application May 22, 1934, Serial No. 726,955
4 Claims. (Cl. 99—125)

2. The method of preparing a light, fluffy, substantially non-rancidifiable coconut product, which comprises simultaneously grinding and crushing whole coconut meat in the presence of water in quantities such that the coconut meat will completely absorb the same until a pulpy mass is produced which mass is non-greasy in appearance, continuing the grinding and crushing until the pulpy mass may be pushed through a screen ranging from approximately sixty- to sixteen-mesh, pushing the pulp through the screen, and drying the resulting pulp to a light, fluffy powder which is substantially non-rancidifiable and which is readily dispersible in water.

2,079,031
BUILDING CONSTRUCTION
Richard M. Nyhagen, Jr., Chicago, Ill.
Application December 14, 1936, Serial No. 115,701
4 Claims. (Cl. 72—106)

1. A unitary compressible filler for use as a pressure relieving joint in a wall structure comprising a sheet of material adapted to be bent upon itself to form an upper layer and a lower layer, only one of said layers having raised portions so that when said sheet is bent back upon



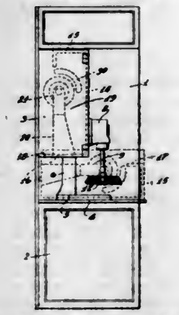
itself one layer will contact the raised portions on the other layer.

2,079,032
RADIATOR CORE
Fred M. Opitz, Milwaukee, Wis., assignor to Hexcel Radiator Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 25, 1935, Serial No. 7,957
15 Claims. (Cl. 257—130)



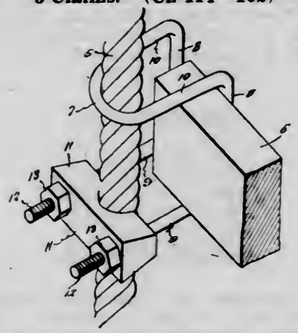
1. A radiator fin comprising a strip of metal having a series of spaced truncated pyramidal protuberances formed in the central portion of the strip, marginal corrugations along the edges of the strip, tube receiving openings formed in the sloping sides of said protuberances, and other tube receiving openings in said strip spaced from said first tube receiving openings.

2,079,033
IRONING DEVICE
Francis J. Osuch, Detroit, Mich., assignor to Robot-Hand Corporation, Detroit, Mich., a corporation of Delaware
Application March 18, 1935, Serial No. 11,636
4 Claims. (Cl. 38—2)



1. The combination with means for driving interchangeable household devices and a supporting structure therefor including a work surface, of an ironing device, means for mounting said ironing device on said supporting structure whereby it is movable to an operative position where it rests upon and is supported by said work surface and to a position where it leaves said work surface unobstructed, and means for operatively connecting said first named means with said ironing device when the latter is resting on said supporting surface.

2,079,034
NONSLIP RATLINE CLAMP
Harry M. Parkin, Beaufort, N. C.
Application May 9, 1936, Serial No. 78,947
3 Claims. (Cl. 114—102)

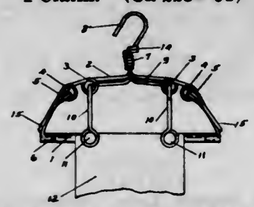


1. A ratline clamp comprising a rigid unitary U-shaped member provided with depending leg portions, said depending leg portions being further bent laterally, a block having openings therein through which the last-mentioned portions are disposed and fastening means between the end portions of the U-shaped member and the said block.

2,079,035
PROCESS OF REFINING PETROLEUM
Theodor A. Petry, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 10, 1935, Serial No. 39,938
8 Claims. (Cl. 196—13)

1. The method of refining hydrocarbon lubricant oil stock to remove naphthenic substances therefrom which comprises the steps of mixing the oil stock with benzylamine, using a relative proportion of benzylamine sufficient to produce two liquid phases; viz., a solvent phase consisting mainly of benzylamine and an oily phase consisting mainly of the paraffinic part of oil and containing some benzylamine, removing the oily phase from the solvent phase, and removing the remainder of the benzylamine from the oily phase to obtain a refined lubricating oil.

2,079,036
CLOTHES HANGER
Joseph Pfeiffer, Pittsfield, Mass.
Application March 18, 1935, Serial No. 11,601
1 Claim. (Cl. 223—91)



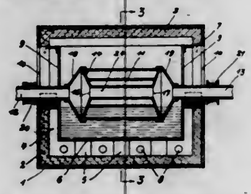
A clothes hanger comprising a horizontal member, a frame with a hook portion connected to the horizontal member and extending upward therefrom, said frame provided with loops on the upper portion, a U shaped keeper extending through the said loops in a direction transverse to said horizontal member and adapted to lock to the hook portion of the frame to cause the lower portion of the keeper to press against the horizontal member.

2,079,037

APPARATUS FOR TREATING MATERIALS BY SALT QUENCHING OR ANNEALING BATHS OR GALVANIC BATHS

Walter Radecker, Pforzheim, Germany, assignor to Firm Ferd. Wagner, Pforzheim, Germany

Application November 12, 1935, Serial No. 49,430
In Germany November 19, 1934
8 Claims. (Cl. 204—5)



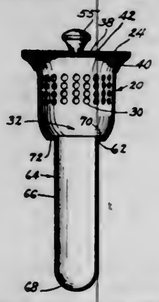
1. An apparatus for subjecting materials to baths comprising a tank, a rotatably arranged and substantially horizontally positioned drum in said tank, said drum having a helical channel leading from the periphery thereof to an open ended axial channel therein for the circulation of bathing fluid therethrough said axial channel providing a passage through which materials are moved in a straight line axially of the drum for subjecting the said materials to the action of the bath and for returning the said bath to said tank.

2,079,038

DETACHABLE SEDIMENT TRAP FOR SINKS, ETC.

Harry Ranish, Los Angeles, Calif.

Application August 12, 1935, Serial No. 35,745
10 Claims. (Cl. 4—291)



1. The combination in a domestic plumbing system having a reservoir and a drain, of means to filter and subsequently entrap water-borne matter, said means comprising a perforated cup having a sump, and a resilient band extending around the upper marginal edges of said cup, said band forming a seal between said drain and said cup.

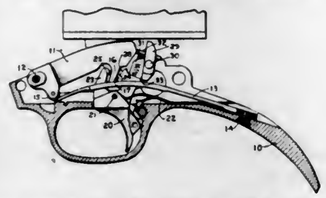
2,079,039

FIREARM

Rush Razee, Denver, Colo., assignor to Remington Arms Company, Inc., a corporation of Delaware

Application February 14, 1934, Serial No. 711,090
2 Claims. (Cl. 42—69)

1. A firing mechanism comprising a depressible trigger, a primary sear and a supplemental sear associated with said trigger and movable thereby, a hammer, means for moving said hammer to an over-cocked position, cooperating surfaces on said hammer and supplemental sear for moving said trigger to undepressed position as said hammer is moved to over-cocked position, a latch for temporarily holding said trigger in undepressed position, cooperating surfaces on said hammer and primary sear which engage to hold said hammer in normal cocked



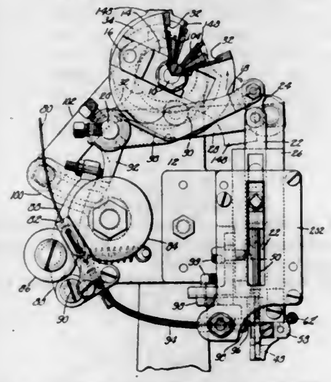
position, means for disabling said latch, and cooperating surfaces on said hammer and supplemental sear which engage to hold said hammer when the trigger is again depressed and are disengaged to completely release said hammer when the trigger is again released.

2,079,040

FASTENING INSERTING MACHINE

Charles A. Robinson, Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application February 12, 1936, Serial No. 63,613
14 Claims. (Cl. 1—11)



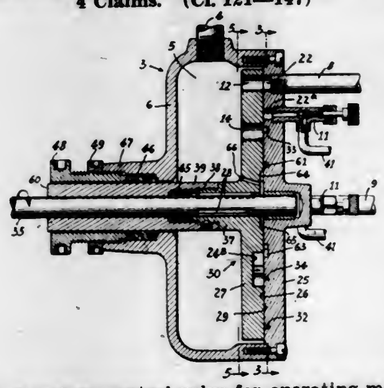
1. In a stapling machine, an inside former, a reciprocable outside former and a reciprocable driving throat having the same amplitude of reciprocation and the same actuating means, the outside former and the throat having alined guides for a formed staple, and being separated by an interval corresponding to the length of the longest staple the machine is designed to handle, a filler block constructed to fill the said interval and having a staple guide arranged to aline with the previously mentioned guides when the block is in operative position, means timed to withdraw the filler block after a staple has been driven to provide a space for the feeding of a succeeding unformed staple over the inside former and for the bending of its legs by the outside former, means for returning it to operative position after the said succeeding staple is formed, means for moving the inside former from the driving path of the formed staple, and a driver for driving the staple through the guides in the filler block and throat, the filler block remaining in operative position during the driving of the staple and being displaced therefrom only by the means described above.

2,079,041

FLUID DISTRIBUTION AND CONTROL

William Miles Ryan and John W. Bold, Brooklyn, N. Y., assignors to Ryan Coffee Corporation, New York, N. Y., a corporation of New York

Application January 31, 1934, Serial No. 709,198
4 Claims. (Cl. 121—147)



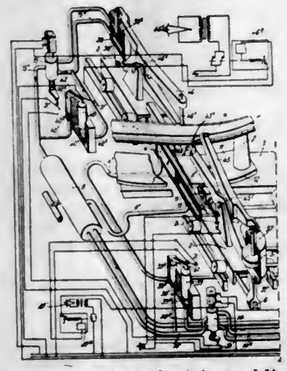
1. A rotary control valve for operating mechanisms independently in inter-related cycles which comprises a valve chamber having exhaust outlets in one wall and having fluid supply outlets at different radial distances from a central point, and a rotary valve disc having fluid supply ports at radial distances from its axis of rotation to correspond with said supply outlets and having exhaust passages spaced at radial distances from its axis of rotation to connect said respective fluid supply outlets to an exhaust outlet.

2,079,042

MACHINE FOR THE ELECTRIC WELDING OF THE SIDE-MEMBERS OF VEHICLE FRAMES

Léon Saives, Billancourt, France, assignor to Louis Renault, Billancourt, France

Application June 10, 1936, Serial No. 84,564
In France January 17, 1936
9 Claims. (Cl. 219—4)



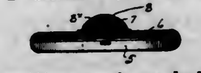
1. A machine for the electric welding of the side-members of vehicle frames, comprising means for effecting an intermittent longitudinal movement of a frame side-member, electrode-holders disposed on each side of the side member and adapted for stick welding along the side-member, means for displacing said electrode-holders transversely to the side-member, means for limiting the movement of the said electrode-holders towards the side member, means for controlling the application of the electrode-holders to the side member when the longitudinal movement of the side member is stopped, means for controlling the closing of the welding circuit when the electrode-holders are brought together, an automatic wattmeter adapted to break the welding circuit after the supply of a determined quantity of electric power, means for controlling the starting of the device adapted for the longitudinal displacement of the side-member when the electrode holders are separated, and means for stopping the longitudinal movement of the side member, after each continuous displacement through a given length.

2,079,043

JEWELRY SETTING PERFUME HOLDER

Louis A. Samstag, New York, N. Y.

Application May 23, 1936, Serial No. 81,408
1 Claim. (Cl. 63—2)



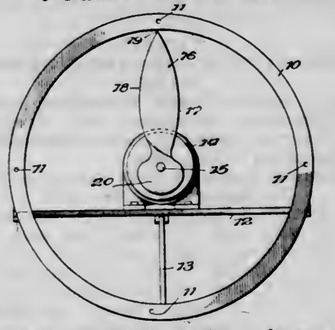
A jewelry setting perfume holder comprising a metallic member having a base wall, a perfume carrying material disposed upon said base wall, a cover member carried by the base wall and coacting with the latter to enclose and conceal said perfume carrying material, a stem and a sleeve, one carried by said base wall and one carried by a cover member, the stem being disposed within the sleeve to hold the base wall and cover member together, the holder contiguous to the perfume carrying material being perforated for the outward passage of volatile ingredients of the perfume.

2,079,044

FAN AND FAN BLADE

Lewis B. Santmyer, Pittsburgh, Pa., assignor of one-third to Joseph A. Beck, Pittsburgh, Pa.

Application September 8, 1932, Serial No. 632,204
9 Claims. (Cl. 170—159)



1. A rotary fan blade having only one cutting edge and one trailing edge in a circle defined by the blade tip when the blade is rotating.

2,079,045

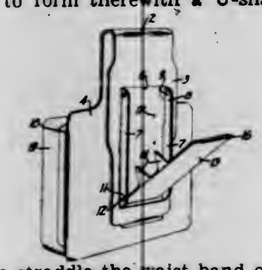
GARMENT RETAINER

John J. Schlaepfer, San Francisco, Calif.

Application November 4, 1935, Serial No. 48,157
2 Claims. (Cl. 241—7)

1. A device for preventing relative movement between shirt and trousers comprising a wide flat pad of sponge rubber, a flat metallic plate of substantially the same width and length as

the pad and on which the pad is mounted, an integral extension of the plate folded back upon the plate to form therewith a U-shaped frame



adapted to straddle the waist band of the trousers with the pad projecting therefrom to engage the shirt, and means for securing the frame to the waist band.

2,079,046

KEY RING CONSTRUCTION

Adolf O. Schoeninger, Irvington, N. J., assignor to Forstner Chain Corporation, a corporation of New Jersey

Application August 23, 1935, Serial No. 37,500

8 Claims. (Cl. 70—459)



5. In a safety key ring, two members hingedly connected at one end, one member having an end portion comprising spaced parts extending inwardly towards the center of the key ring, said spaced parts each having an opening and an abutment extending transversely between the spaced parts and adjacent said opening, and the other member having an end portion also extending inwardly towards the center, and adapted to seat intermediate said spaced parts against said abutment and between said abutment and said opening.

2,079,047

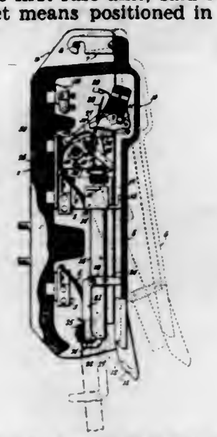
HOUSED TYPE OF REPEATING DROP-OUT FUSE

William O. Schultz, South Milwaukee, and Alwin G. Steinmayer, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application March 29, 1935, Serial No. 13,608

23 Claims. (Cl. 200—126)

8. A repeating fuse construction comprising a first fuse unit and a second fuse unit, casing means for said fuse units, each fuse unit having stationary contacts, a fuse tube having spaced contacts and having a fuse link electrically joining said spaced contacts, means including pivoted lever mechanism for holding the fuse tube in operative position with the spaced contacts in engagement with the stationary contacts, said lever being pivotally supported adjacent its lower end from said casing means and pivotally supporting the fuse tube adjacent the upper end of said lever, said lever being normally restrained against releasing motion by said fuse link, doors for said casing means hingedly supported independently of said levers, the door of said first fuse unit being arranged in the path of travel of the fuse tube of said first fuse unit and being movable outwardly by the outward motion of said first fuse tube, an electric line normally connected through said first fuse unit, and automatic switch means biased towards closed position and controlled by the fuse tube of said first fuse unit for connecting the electric line through the second fuse unit upon blowing of the first fuse unit, said switch means including reset means positioned in the path of



movement of the fuse tube when said switch means is in closed position, whereby when the fuse tube is refused and rocked to operative position the switch means is opened, said switch means being housed in the same compartment with the fuse tube of said first fuse unit.

2,079,048

ARC WELDING SHIELD

Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application September 27, 1934, Serial No. 745,730

4 Claims. (Cl. 2—8)



1. An arc welding shield comprising a window, including a filter glass and a protective sheet for said window, comprising a sheet of cellulose acetate covering the surface of said window adapted to be exposed to the welding arc.

2,079,049

BOTTLE TAP

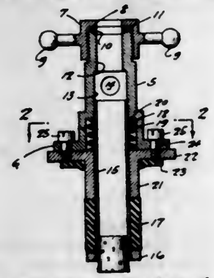
Sheridan C. St. Clair, Los Angeles, Calif.

Application August 28, 1933, Serial No. 687,145

6 Claims. (Cl. 215—52)

3. In a tap, the combination of a gasket of resilient material and of hollow substantially cylindrical form adapted to be placed within an opening into a receptacle, and to be expanded by radial distortion outwardly against the walls of said opening, a cylindrical conduit adapted when in operative position to extend from the interior of such receptacle outwardly through and

to support said gasket when under said compression against distortion radially inward, an annular flange carried by said conduit and adapted to bear upon the annular end of said gasket from within said receptacle, a cylindrical abutment loosely mounted on said conduit and relatively movable with respect thereto adapted to bear upon the opposite annular end of said gasket, said cylindrical abutment being provided with an annular flange for support by the edge of said receptacle opening, an annular gasket carried by said abutment and adapted to be compressed between



said flange and the outer edge of said receptacle opening, a helical spring surrounding said cylindrical conduit and adapted to bear against the outer edge of said cylindrical abutment, a spring housing secured to the upper end of said cylindrical conduit and providing an annular seat for said spring, an annular flange extending radially outward from said spring housing, and means for releasably latching respective flanges of said spring housing and said cylindrical abutment upon compression of said spring in contact with each other.

2,079,050

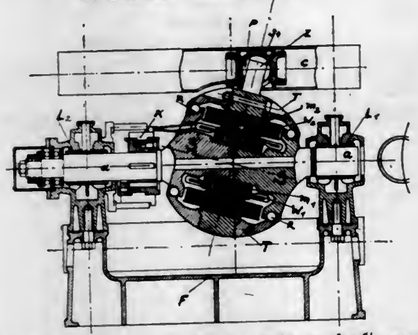
MACHINE WITH SWASH RING DRIVE

Hanns Heinz Stinnes, Berlin, Germany

Application January 2, 1936, Serial No. 57,288

In Germany January 4, 1935

12 Claims. (Cl. 171—252)



3. A machine including a rotary shaft carrying a rigidly mounted inclined body, a non-rotatable ring supported around the periphery of said body, to lie in a plane inclined to the shaft, reciprocally mounted members, studs carried by said ring to engage said members, whereby rotation of said shaft will impart reciprocation to said members and vice versa, said inclined body being split in a plane at right angles to said shaft and said ring and its studs being split symmetrically in a plane which includes the axes of all said studs, means to secure the parts of said body together, means to secure the parts of said ring together, said body and said ring having oppositely disposed recesses, and cooperative means in said recesses for influencing the relation of the ring to the body, said influencing means comprising electro-magnets.

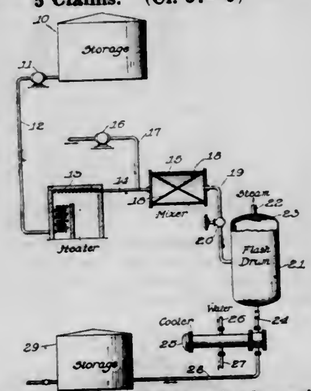
2,079,051

LUBRICATING OIL

Frederick W. Sullivan, Jr., and Bernard H. Shoemaker, Hammond, Ind., and Kenneth Taylor, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application March 15, 1933, Serial No. 660,864

5 Claims. (Cl. 87—9)



1. The process of stabilizing hydrocarbon oils against sludge and color formation which comprises, heating said oil under pressure, mixing with said heated oil a solution of a sludge-inhibiting alkaline metal carbonate, flashing said mixture of oil and solution whereby the solvent is evaporated and the alkaline metal carbonate is colloidally dispersed in said oil.

2,079,052

COVER FOR REFUSE RECEPTACLES

Mario Tamini, Milan, Italy, assignor to Fiat Società Anonima, Turin, Italy

Application August 3, 1934, Serial No. 738,335

In Italy December 22, 1933

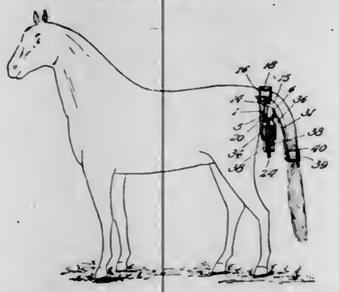
8 Claims. (Cl. 220—24)



1. In combination with a receptacle having a beaded edge, a cover of resilient material, a flange on one portion of the periphery of said cover, said flange being provided with an inner groove, in which the beaded edge of said receptacle is adapted to engage when the cover is applied to its mouth, a band of resilient material connecting the ends of said flange and adapted to embrace said receptacle under its beaded edge, a short strap hinged to the portion of the cover detached from the edge of the receptacle, means

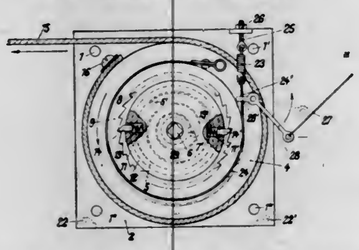
on said band and strap for locking the cover in its closed position, said strap serving also as handle for raising the cover.

2,079,053
NOVELTY
John E. Torbert, Jr., National City, Calif.
Application May 16, 1936, Serial No. 80,195
9 Claims. (Cl. 54—1)



1. A windshield, means for mounting the windshield at the rear of a horse, and a wiper for the windshield having operating means adapted to be actuated by movement of a portion of the horse.

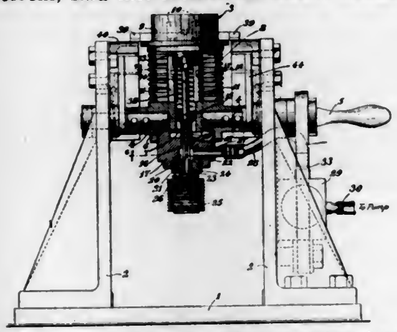
2,079,054
DOOR BRAKE
Etienne Vadasz, Sainte-Croix, Switzerland
Application January 21, 1937, Serial No. 121,695
In Germany September 7, 1934
13 Claims. (Cl. 188—81)



1. In a door brake, particularly for motor vehicles, railway carriages and the like, in combination, means for creating and maintaining a braking action during the opening movement of the door, other means for removing the braking action during the opening movement, and a transmission member between a relatively stationary part of the vehicle and the braking device adapted to transmit the movements of the door to the braking device.

2,079,055
DEVICE FOR EXHAUSTING AND SEALING BELLOWS AND THE LIKE
Marshall H. Ward, Fairfield, Conn., assignor, by mesne assignments, to Bridgeport Thermostat Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application April 28, 1931, Serial No. 533,460
20 Claims. (Cl. 226—82)

19. A device of the character described, including, in combination, means for exhausting the air from a receptacle and means for automatically driving a pin to seal a reduced opening into said receptacle after the air is exhausted therefrom, said last mentioned means including



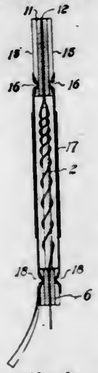
an expansible and contractible chamber having a hammer member.

2,079,056
METHOD OF MAKING CAP-SCREWS
Henry E. Warren, Lancaster, Pa., assignor to Mac-it-Parts Company, Lancaster, Pa., a corporation of Pennsylvania
Original application March 25, 1935, Serial No. 12,800. Divided and this application June 6, 1935, Serial No. 25,196
3 Claims. (Cl. 10—10)



1. The method of making a grooved head cap-screw from round bar-stock, consisting in forming the shank of the screw by removing metal from the stock, threading the same, severing the blank from the bar leaving the head the same diameter as the original bar stock, and forming grooves in the head parallel to the axis and extending the entire length of the head without increasing its original diameter.

2,079,057
THERMIONIC CATHODE
Paul T. Weeks, Cambridge, Mass., assignor to Raytheon Production Corporation, Newton, Mass., a corporation of Delaware
Application June 1, 1931, Serial No. 541,155
8 Claims. (Cl. 250—27.5)

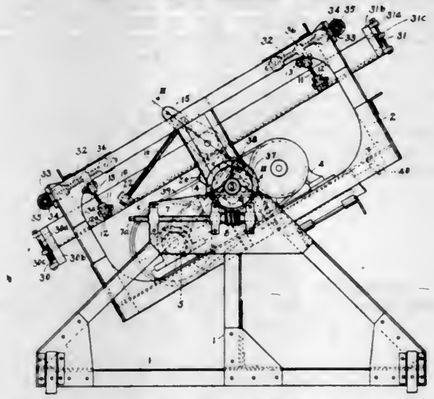


1. A thermionic cathode comprising a hollow member adapted to emit electrons, a helical filament within said member and spaced from the walls thereof, the spaces between said filament and the walls of said member being substantially unobstructed, an insulating rod extending substantially the entire length of said filament within the helices thereof, said rod being prevented from moving transversely within said hollow member solely by the support afforded by said helices, and means for supporting the filament by its upper and lower ends.

2,079,058
MACHINEABLE STEEL AND ARTICLES FORMED THEREFROM
Louis H. Winkler, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
No Drawing. Application February 20, 1934, Serial No. 712,138
6 Claims. (Cl. 75—123)

1. Screw stock of rimmed steel containing carbon up to .25%, and sulphur .07% to .25% and the balance consisting substantially of iron.

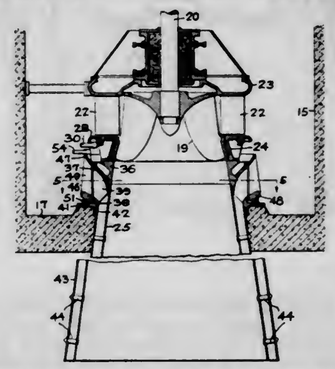
2,079,059
VIBRATORY CLASSIFIER
Edward J. Winkleman, Oakmont, Pa.
Application April 12, 1934, Serial No. 720,208
13 Claims. (Cl. 209—437)



1. In apparatus for classifying solids in accordance with the shape or density of the particles the combination of an inclined platform, means for adjusting the angular position of the platform and maintaining it in various positions of inclination to a horizontal plane, suspending means for the platform comprising suspending straps relatively short with respect to the length of swinging movement of the platform and thereby capable of supporting the platform in a path deviating from the arc of a circle, clamping means terminally engaging the straps and presenting to the straps to decrease their effective length surfaces tending to produce flexion of the straps during swinging movement of the platform, and actuating means variable in adjustment and arranged to impart to the platform longitudinally directed swinging movement variable in speed and amplitude.

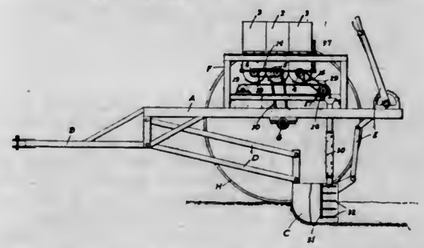
2,079,060
MEANS FOR MAINTAINING A CONSTANT FLOW OF WATER IN THE TAILRACE OF A HYDRAULIC TURBINE INSTALLATION
Arthur Young, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application September 22, 1936, Serial No. 101,928
3 Claims. (Cl. 253—117)

1. The combination with a hydraulic turbine having a runner, wicket gates movable into various positions for controlling the flow of water to the runner, a governor and mechanism operated thereby for operating the wicket gates, and a draft tube for carrying off the water flowing through the runner, of a second tube encircling the draft tube, an orifice ring comprising a stationary portion and a movable portion for controlling the flow of water through said second tube, and means actuated by said governor for operating said movable portion of the orifice ring to control the flow of water through the second tube according to the relative positions of the



wicket gates, whereby when said wicket gates are closed and all flow of water to the runner cut off the orifice ring will be wide open, when the wicket gates are in wide open position the orifice ring will be closed thereby cutting off the flow of water through the second tube, and when the wicket gates are partly opened the orifice ring will also be partly opened so that water will flow simultaneously through both the draft tube and the second tube, thereby maintaining constant the amount of water delivered to the tailrace of the turbine installation irrespective of the positions of the wicket gates.

2,079,061
METHOD OF MIXING AND DISTRIBUTING FERTILIZERS
Roscoe C. Zuckerman, Stockton, Calif.
Application September 26, 1934, Serial No. 745,568
4 Claims. (Cl. 275—1)



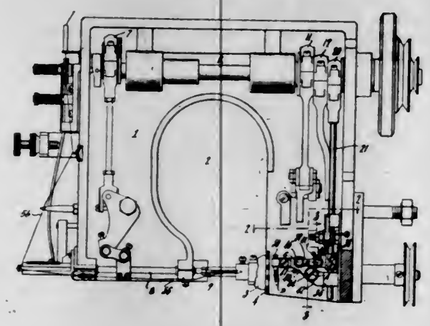
1. The method of mixing fertilizer ingredients to form a fertilizer mixture and distributing such fertilizer upon the soil comprising establishing separate amounts of the different ingredients in the proportions necessary to form a balanced fertilizer mixture, moving such amounts along and adjacent the soil, mixing such amounts together as they are so moved, to form the desired fertilizer mixture, and then immediately discharging the mixture upon the soil.

2,079,062

SEWING MACHINE

Howland F. Briggs, Buffalo, and Robert N. Cundall, Lackawanna, N. Y., assignors to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York

Application December 12, 1934, Serial No. 757,080
19 Claims. (Cl. 112—200)



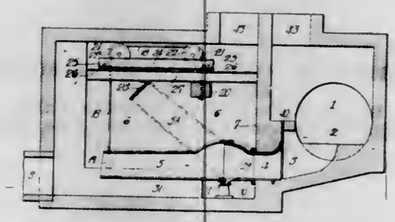
1. In a sewing machine employing a reciprocating needle, a looper cooperating with said needle to form thread loops, a drive shaft and a pitman driven thereby, and means connected to said pitman and said looper to cause said looper to traverse a substantially triangular path, the length of the base of the triangle being approximately one half of the length of the legs of the triangle.

2,079,063

LIQUID FLOW CONTROL

Albert M. Brosius, White Plains, N. Y.

Application October 11, 1933, Serial No. 693,097
19 Claims. (Cl. 137—78)



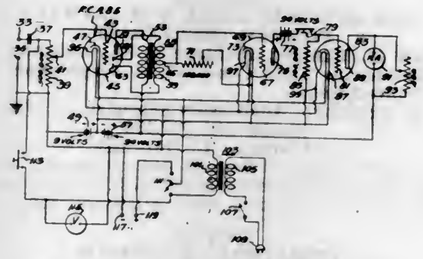
1. In flow control apparatus comprising a diversion conduit having an influent and an effluent end, the former during operation being in communication with a principal body of liquid the level of which is subject to fluctuation from which body of liquid diversion is to be effected at a substantially constant predetermined hydraulic gradient, in combination; counterweight means to assist in raising and lowering said effluent end to maintain a constant hydraulic gradient between said end and the above mentioned liquid level comprising; a carriage mounted to roll horizontally in a predetermined path; at least two pulleys rotatably mounted on said carriage and spaced horizontally from each other; a flexible strand supported by said pulleys; one end of said strand being connected to the effluent end of said diversion conduit and the other end supporting a counterweight.

2,079,064

OVERVOLTAGE TIMER

Charles M. Burrill, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1935, Serial No. 56,962
8 Claims. (Cl. 175—183)



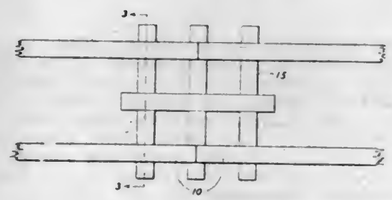
1. In a device of the character described, an amplifier having input and output circuits, means for establishing an operating threshold voltage, means for rectifying the output currents of said amplifier, a pair of tubes connected as a direct current amplifier, means for impressing the rectified currents from said rectifier on the input of said direct current amplifier, and means associated with said pair of tubes for indicating directly the percentage of time voltages applied to the first mentioned input circuit exceed said threshold voltage.

2,079,065

TOY TRACK

Arthur R. Callahan, Brooklyn, N. Y.

Application October 31, 1935, Serial No. 47,527
5 Claims. (Cl. 46—28)



1. A building block set for use in making a toy track, said set comprising two different elements adapted to form rails and ties or binders respectively, the rail elements being of substantial length and having notches near their ends spaced to cooperate with ties, the tie elements having a pair of end notches spaced to receive the rails and to interlock with said first notches, said tie elements also having a central notch adapted to cooperate and interlock with the end notches of a third tie, the various notches above mentioned being so spaced that the end notches of the third tie register with the center notches of the adjacent ties of successive rail sections, whereby the third tie may be used as a binder for locking the adjacent sections together, the various notches above described being so spaced that said binder and tie elements are identical and interchangeable.

2,079,066

PROCESS FOR THE MANUFACTURE OF CHROMIUM ORE CONTAINING BRICKS

Fritz Hartmann, Dortmund-Horde, Germany, assignor, by mesne assignments, to Magnesital Gesellschaft mit beschrankter Haftung, Koln-Mulheim, Germany

No Drawing. Continuation of application Serial No. 484,940, September 27, 1930. This application June 21, 1934, Serial No. 731,643. In Germany September 27, 1929
15 Claims. (Cl. 25—156)

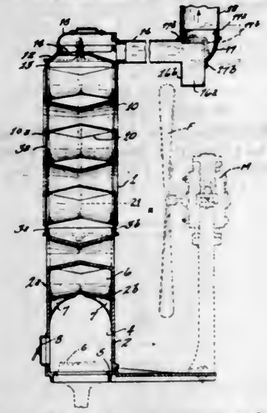
1. The process for manufacturing highly refractory bricks, which consists in sintering magnesium oxide containing material at a temperature of at least 1600° C., mixing the sintered material together with chromium ore in such proportion as to cause the resulting mixture to contain from 80 to 10 parts of magnesium oxide and from 20 to 90 parts of chromium ore, pressing said mixture thus obtained, and drying and burning the mixture into bricks of the desired shape.

2,079,067

HEAT EXCHANGING APPARATUS

George Herbster, Cleveland, Ohio, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio, a corporation of Ohio

Application November 19, 1935, Serial No. 50,576
4 Claims. (Cl. 257—171)



4. A heat exchanger comprising a hollow body having a continuous passage therethrough for heating media and providing passages extending transversely of the path of flow of said media for the flow of air into heat exchanging relation with said body, means for blowing air through said last mentioned passages, said body being composed of different materials having different characteristics of heat conductivity and heat radiation, the conductivity and heat radiation characteristics of said body portions progressively increasing in the direction of flow of the heating media through the body, whereby the stream of air blown into heating relation with said body is more uniformly heated.

2,079,068

PROCESS FOR THE PRODUCTION OF VINYL FORMATE

Willy O. Herrmann, Munich, Germany, assignor to Chemische Forschungsgesellschaft m. b. H., Bavaria, Germany, a corporation

No Drawing. Application August 27, 1934, Serial No. 741,733. In Germany September 1, 1933
18 Claims. (Cl. 260—106)

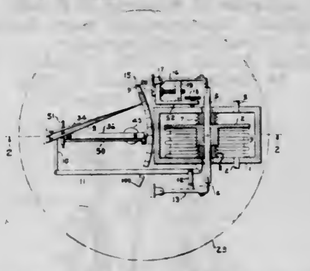
1. Process for producing vinyl formate by heating a vinyl ester containing more than one carbon atom in its acid radical together with formic acid and distilling off the formed vinyl formate.

2,079,069

PRESSURE RESPONSIVE DEVICE

Clarence Johnson, East Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Application October 13, 1934, Serial No. 748,181
13 Claims. (Cl. 73—110)



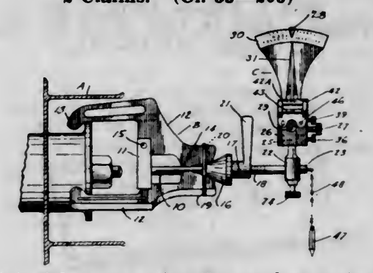
1. In a pressure responsive device, in combination, a pressure chamber, a closed cylindrical bellows having a plurality of convolutions within said chamber, inlets for admitting pressures to the interior of said bellows and said chamber, a shaft connected to said bellows extending through an opening in the wall of said chamber, said opening being larger than the diameter of said shaft, a cylindrical bellows having a plurality of convolutions joined to said shaft and the wall of the chamber surrounding the opening, a pivotally supported spring flexibly connected to said shaft, an adjustable fulcrum for said spring between said pivot support and said flexible connection, and means for angularly positioning said spring about said pivot.

2,079,070

GAUGE FOR DETERMINING CAMBER, CASTER, AND KINGPIN INCLINATION OF AUTOMOBILE WHEELS

William J. Johnston, London, Ontario, Canada, assignor to Albert Speare Lashbrook, London, Ontario, Canada

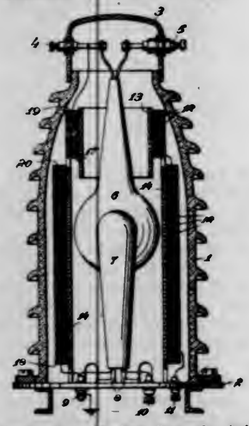
Application March 23, 1936, Serial No. 70,287
In Canada February 25, 1936
2 Claims. (Cl. 33—203)



1. A tool for measuring the camber, caster and king pin inclination of an automobile wheel, comprising a spindle having hub-engaging means at one end adapted to hold said spindle in substantial alignment with the axis of the hub, a block on said spindle, a pointer fixed to said block at substantially right angles to the axis of said spindle, a member such as a graduated dial pivotally mounted to said block and co-operating

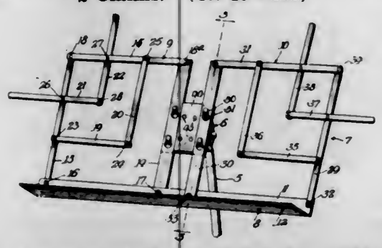
with said fixed pointer, a second member such as a pointer pivotally mounted to said block and co-operating with said dial, separate means for adjusting the positions of said members, and a bubble gauge carried by one of said members.

2,079,071
COMBINATION OF CURRENT TRANSFORMER AND MEASURING CONDENSER
Georg Keinath, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application August 9, 1934, Serial No. 739,099
In Germany August 9, 1933
3 Claims. (Cl. 175—358)



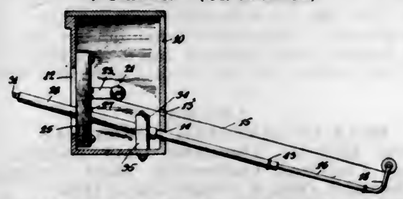
1. An instrument adapter for electrical measurements in high-tension alternating current lines, comprising an inductive single step current transformer for connection to an ammeter, a set of series-connected condenser elements surrounding said transformer and coaxial therewith and interposed between the high tension line and ground, and means for connecting one of the intermediate elements of said condenser set and ground to a voltmeter.

2,079,072
MUSIC STAND
John E. Kluson, Chicago, Ill.
Application April 10, 1936, Serial No. 73,639
2 Claims. (Cl. 45—121)



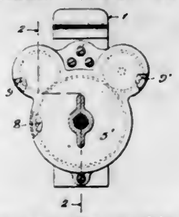
1. A music stand comprising in combination a rack consisting of a one-piece horizontally extending ledge-forming bottom member and a pair of rectangular link-formed laterally collapsible frames associated with the ends of the bottom member respectively and comprising laterally spaced inner side links, a bracket for supporting the rack mounted on a standard and embodying a plate having the side portions thereof designed to underlie the central portions of the inner side links of the frames, detachable connections between said central portions of the links and the aforesaid side portions of the plate for releasably securing the rack to the bracket, and a member at the central portion of the plate and adapted to abut against the inner side edges of said side links and hold the frames against relative sidewise tilting when the rack is secured to and supported on the bracket.

2,079,073
DISAPPEARING AWNING ARMS
Fred Knoll, Jamaica, N. Y.
Application April 17, 1936, Serial No. 74,971
7 Claims. (Cl. 156—44)



1. Disappearing arms for awnings comprising a plurality of telescoping members, ball bearings on said members to facilitate their telescoping operation, means to limit the outward movements of said members, and means to limit their inward movement.

2,079,074
WASH-WRINGER
Vernon E. Knudtson, De Forest, Wis., assignor of one-half to Oswald J. Boehm, De Forest, Wis.
Application May 6, 1935, Serial No. 20,019
1 Claim. (Cl. 68—32)

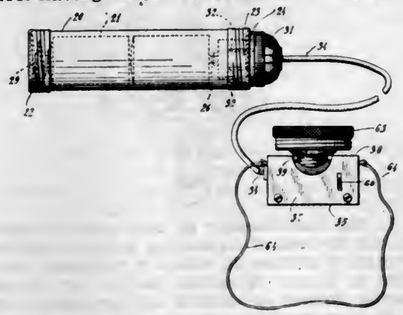


In a wash wringer, the combination with the upper and lower wringer rolls thereof having an operative connection at one end, of a stripper device for the upper roll including rotatable stripper brushes engaging the opposite sides of the upper roll, a relatively large gear rotatable with the lower roll and having a greater diameter than the upper and lower rolls, and pinions rotatable with the stripping brushes meshing with the opposite sides of the relatively large gear above the lower roll.

2,079,075
PORTABLE ELECTRIC HEAD LAMP
William F. Koepke, New York, N. Y., assignor of thirty per cent to Adolph Berg, New York, N. Y.
Application March 5, 1936, Serial No. 67,217
1 Claim. (Cl. 240—59)

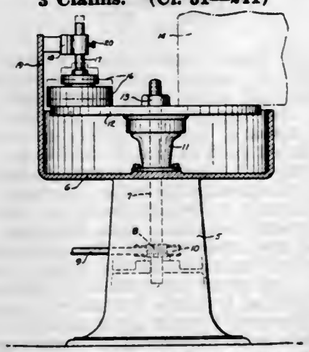
A portable electric head lamp comprising in combination a cylindrical metal casing, a battery in said casing, a removable metal cap on one end of the battery casing, a socket carried by said cap, a pair of contacts on said socket extending inwardly of the casing, one of said contacts being electrically connected to one terminal of the

battery, the other of said contacts being electrically connected with the metal cap, a plug mounted on said socket and having its prongs in electrical connection with the contacts of the socket, a lamp casing having a flat base portion, end and side walls and a top wall having an opening therein, shafts journalled in the end walls of said lamp casing, a metal barrel member fixed to said shafts, a pair of concentrically arranged socket members carried by said barrel, a contact arm carried interiorly of the barrel, a lamp bulb in the inner socket member of the barrel having its central terminal in engagement



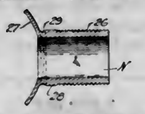
with the contact arm, the other terminal of said bulb being in engagement with the wall of the socket, a lamp reflector removaby mounted in the outer socket of the barrel and extending exteriorly of the lamp casing, a conductor electrically connecting one of said plug prongs with the contact arm in the barrel, a contact plate mounted on the base portion, another conductor electrically connecting the other of said plug prongs with the latter contact plate, and switching mechanism carried by the lamp casing for placing the metal barrel in electrically conductive relationship with the latter contact plate, said switching mechanism including a movable yoke member adapted to be moved into engagement with the contact plate, a handle protruding exteriorly of the lamp casing for actuating said yoke member.

2,079,076
TRUING APPARATUS FOR GRINDING WHEELS
Henry O. Kranich, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 3, 1931, Serial No. 527,441
3 Claims. (Cl. 51—241)



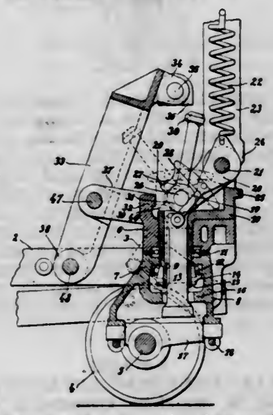
3. In a machine for use in grinding the edges of glass sheets or plates, the combination with a rotatable grinding wheel, of a rotatable dressing tool adapted to engage the working face of the grinding wheel for truing the same, a spindle, and means for connecting the dressing tool to said spindle so that it may have a limited amount of universal rocking movement.

2,079,077
METHOD OF PRODUCING NIPPLES
Fred W. Leuthesser, Oak Park, Ill.
Application October 9, 1935, Serial No. 44,213
2 Claims. (Cl. 29—157)



1. The method of producing a nipple having a curved flange which comprises the steps of first forming on the nipple a straight flange with an annular groove of uniform width adjacent its base and then shaping the flange into curved form with a concurrent variation of the groove width.

2,079,078
LIFTING TRUCK
Jakob Loef, Moosburg, Germany
Application June 29, 1932, Serial No. 620,002
In Germany December 23, 1931
25 Claims. (Cl. 254—2)



1. In a lift truck, a main frame having a steering head, an elevating frame movable forwardly and upwardly relatively to said main frame, a link member pivoted to said elevating frame and having a portion thereof extending over into the axis of the steering head so as to be operated by a lifting member movable substantially vertically in the said axis, and a guide member pivotally associated with said main frame and with said link member for guiding said link member to maintain its lifting portion substantially in the steering axis as said elevating frame moves forwardly and upwardly.

2,079,079
HAIR WAVING DEVICE
Francois R. Marcel, Brooklyn, N. Y.
Original application August 2, 1933, Serial No. 683,325. Divided and this application August 31, 1935, Serial No. 38,727
13 Claims. (Cl. 132—36)

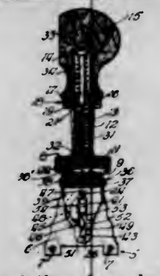
1. A protecting shield adapted to be applied to a lock of hair adjacent the head, including

a body of rubber having a base portion and walls extending therefrom to provide a pocket to receive a hair winding device therein, said body having a thin edged lip portion projecting into



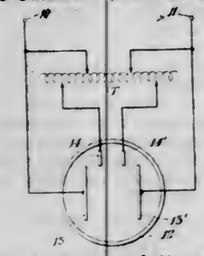
said pocket, said body having an aperture extending laterally therethrough and through said lip, and co-operating rollers for compressing said lip on a lock of hair extending through said aperture.

2,079,080
SELF-INKING STAMP
Louis Melind, Chicago, Ill.
Application April 19, 1935, Serial No. 17,193
8 Claims. (Cl. 101—334)



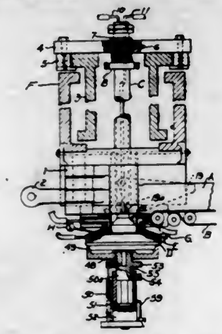
1. A stamp of the class described comprising an ink pad, a bed plate, a stamping die carried by said bed plate and cooperating with said ink pad, means associated with said ink pad and said bed plate for moving said bed plate and stamping die into and out of engagement with said ink pad, a dating assembly, a strap securing said dating assembly to said bed plate, a threaded collar rigidly secured to said strap, and a rotatable bolt carried by said dating assembly and cooperating with said collar for moving said dating assembly relative to said bed plate and stamping die.

2,079,081
ELECTROLYTIC APPARATUS
Ralph D. Mershon, Greenwich, Conn.
Application October 23, 1935, Serial No. 46,253
9 Claims. (Cl. 175—315)



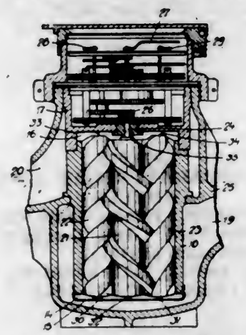
1. In the art of electrolytic apparatus of the class described, the improvement comprising adding lime and aluminum hydroxid to a borax-boric acid electrolyte, filming one or more aluminum electrodes in a borax-boric acid electrolyte to which aluminum hydroxid has been added, and operating at least one such filmed electrode in the first mentioned electrolyte.

2,079,082
METHOD OF AND APPARATUS FOR MANUFACTURING POTTERY WARE
William Joseph Miller, Swissvale, Pa.
Application March 16, 1934, Serial No. 715,924
27 Claims. (Cl. 25—22)



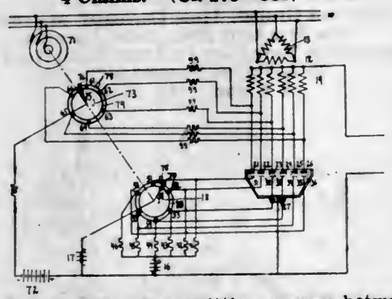
1. In the manufacture of high quality pottery ware, the method of separating a clay body from an engaging surface to which it normally would adhere to insure retention thereof by another engaging surface to which it adheres which consists in superheating moisture in the body and vaporizing the same.

2,079,083
FLUID METER
Carl Oscar Josef Montelius, Stockholm, Sweden, assignor to Aktiebolaget Imo-Industri, Stockholm, Sweden, a corporation of Sweden
Application March 21, 1936, Serial No. 70,065
In Sweden March 29, 1935
6 Claims. (Cl. 73—261)



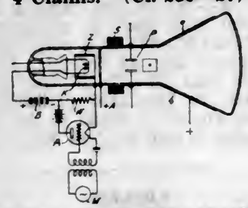
1. A fluid meter, comprising a housing having a plurality of upright intersecting bores, there being inlet and outlet ports spaced apart in the housing and disposed so that the flow in said bores is upward, upright rotary inter-meshing screws placed each in one of said bores and fitting to the wall thereof, a register connected to one of the screws, the other screw or screws being mounted to rotate freely in their bores without radial bearings, pivot bearings for the screws at the lower end of the housing, thrust bearings for the screws at the upper end of said housing, said pivot and thrust bearings being so arranged as to cause the screws at low flow to be supported by the pivot bearings and at higher flow to be moved out of engagement with said pivot bearings into engagement with said thrust bearings.

2,079,084
ELECTRIC VALVE CONVERTING APPARATUS
Jacob Neufeld, Philadelphia, Pa.
Application July 11, 1934, Serial No. 734,585
4 Claims. (Cl. 175—363)



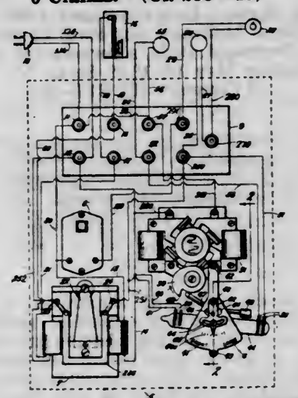
1. A system for transmitting energy between direct current and alternating current circuits or between alternating current circuits of different frequencies, phases and voltages, comprising polyphase networks of inductive windings and a plurality of gas discharge valves, each having main electrodes and a control electrode cooperating therewith, interconnecting said circuits, a first source of substantially steady potential, means connected to said source including a distributing device for applying successive discharge initiating potential to the control electrodes of said valves, a second source of substantially steady potential, further means connected to said second source including a second distributing device for applying negative voltage impulses to successively interrupt the current through said valves associated with the successive phase windings, said distributing devices having stationary and moving parts, means for operating said moving parts in synchronism with the alternating current, and means for displacing the stationary parts relative to one another.

2,079,085
ELECTRON TUBE
Johannes Richter, Otto Schriever, Fritz Schröter, and Wolfgang Federmann, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 19, 1933, Serial No. 685,900
In Germany August 19, 1932
4 Claims. (Cl. 250—27)



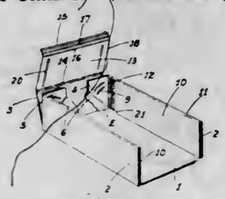
1. A system for controlling an electron beam which comprises a gas filled cathode ray tube having a source of electrons, an anode, a concentrating electrode and a screen upon which the electron beam developed by the application of suitable voltages to the said electrodes causes luminous effects, means for applying to the concentrating electrode a negative biasing voltage, means for developing a constant magnetic field to supplement the concentrating action of the focusing electrode and also the gaseous atmosphere upon the developed electron beam, a rectifier device to which modulation signals are supplied, and means for superimposing the rectified output from said rectifier upon the normal negative biasing voltage applied to the concentrating electrode.

2,079,086
MILD WEATHER CONTROL
Arthur V. Sampsel, La Fayette, Ind., assignor to Sears, Roebuck & Company, Chicago, Ill., a corporation of Delaware
Application February 7, 1936, Serial No. 62,796
6 Claims. (Cl. 236—46)



1. In a circulating warm air furnace-stoker control, the combination of a stoker motor, a circuit for the motor, a thermostat adapted to open and close the circuit, an electric blower, a circuit for the blower connected in parallel with the motor circuit and opened and closed by the thermostat, switch contacts in the motor circuit and in parallel with the thermostat, a time controlled mechanism adapted to open and close the switch contacts in the motor circuit at regular intervals of time, and switch contacts connected in series in the blower circuit adapted to close the blower circuit when the motor circuit switch contacts are open and to open the blower circuit when the motor circuit switch contacts are closed.

2,079,087
FOLDING BOX
Henry G. Schmidt, Modesto, Calif.
Application October 5, 1935, Serial No. 43,676
2 Claims. (Cl. 229—34)

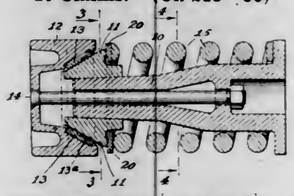


1. A folding box formed from a one-piece bendable blank cut to form bottom, side and end walls, means integral with the blank and connecting the adjacent side and end walls in a manner to enable said walls to be disposed in vertical cooperating relation with each other or to lie in flat folded relation to the bottom wall, flaps formed with the end wall as extensions along the top edges thereof and adapted to be folded over into the box after the side and end walls have been

vertically disposed and enclosing the connecting means thereof to prevent folding movement of the walls, and relatively deep serrations formed along the edges of the flaps; the distance across the flaps between the outer edges of the serrations being initially greater than the interior width of the box whereby when said flaps are folded into the box, the serrations will bend to extend substantially lengthwise of and frictionally engage the side walls of the box.

2,079,088
DRAFT GEAR

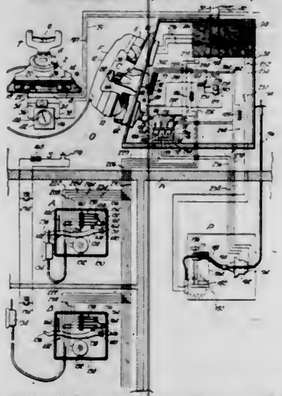
Hubert L. Spence, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application May 18, 1935, Serial No. 22,190
10 Claims. (Cl. 213—36)



1. In shock absorbing apparatus, a friction member, friction shoes engaging said friction member, a wedge having bearing surfaces only a portion of which upon initial assembly of the apparatus engage outer bearing surfaces of said shoes proximate the heels of said shoes, and a spring holding said shoes and said wedge in engagement with each other and adapted to act only on portions of the heels of said shoes remote from said friction member.

2,079,089
INTER-OUTER TELEPHONE SYSTEM

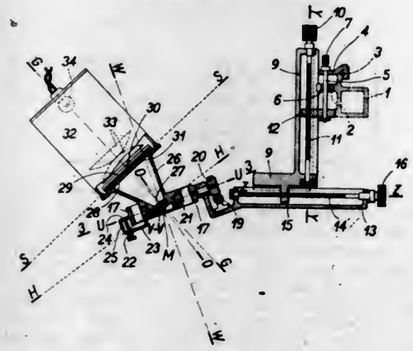
Richard Varley, St. George, N. Y., assignor to Inter-Outer Telephone Corporation, Dover, Del., a corporation of Delaware
Application August 21, 1935, Serial No. 37,104
29 Claims. (Cl. 179—1)



1. In a telephone system, the combination of a subscriber's telephone set including a supporting base and a removable telephone instrument normally resting thereon, an electronic amplifier, means for acoustically coupling said instrument to said amplifier and means upon which the telephone set is adapted to rest and operatively dependent upon the weight thereof for automatically energizing said amplifier when the telephone instrument is removed from its supporting base.

2,079,090
CAMERA BEARING IN APPARATUS FOR PHOTOGRAMMETRICALLY PLOTTING OBLIQUE PHOTOGRAPHS TAKEN FROM AIRCRAFT

Otto von Gruber, Jena, Germany, assignor to the firm Carl Zeiss, Jena, Germany
Application November 18, 1936, Serial No. 111,394
In Germany November 28, 1935
1 Claim. (Cl. 33—20)



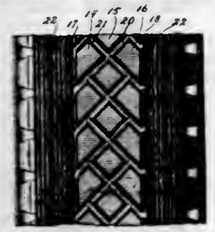
A bearing for a camera projecting an image on a plane of projection (P—P) in apparatus for photogrammetrically plotting image plates exposed on aircraft obliquely at a definite angle (α) to the horizontal plane, the camera containing an image plate, an objective and an illumination system disposed behind the image plate, the objective being so positioned relatively to the image plate that the principal plane (H—H) of the objective passes through the line in which the emulsion side (S—S) of the image plate intersects the said projection plane (P—P) at a medial distance of this plane (P—P) from the objective, a three-dimensional system of cross slides supporting the camera, a bearing body mounted on this system of cross slides by means of a Cardan link, the camera being so mounted on the bearing body that it is rotatable about an axis (W—W) containing the optical centre (M) of the camera objective, that this optical centre (M) coincides with the centre of the Cardan link, and that the axis of rotation (W—W) of the camera intersects at right angles the interior Cardan axis (V—V) of the Cardan link, the image plate being inclined to the axis of rotation (W—W) of the camera at such an angle (β) that this plate is intersected by the axis of rotation (W—W) at a point lying as near the plate plumb line as possible, and the exterior Cardan axis (U—U) of the Cardan link being inclined to the said projection surface (P—P) at an angle (γ) equal to the sum of the said two angles (α and β), less 90°.

2,079,091
PNEUMATIC TIRE CASING

James A. Walsh, West Haven, Conn., assignor to The Armstrong Rubber Company, Inc., a corporation of New Jersey
Application April 6, 1935, Serial No. 15,034
8 Claims. (Cl. 152—14)

1. In a tire casing having a deflection of 16% or more, a tread portion comprising circumferential raised traction ribs and a plurality of circumferentially extending series of intersticed anti-skid elements, the ribs being arranged only at the side edges of the tread and presenting the

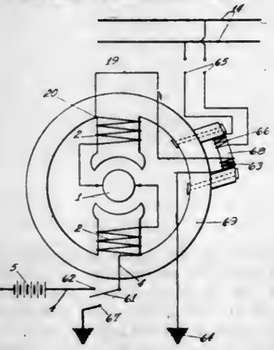
load bearing portion of the tread and the anti-skid elements being arranged only intermediate



the ribs and presenting the remaining portion of the tread area.

2,079,092
METHOD AND APPARATUS FOR STARTING MOTORS

Charles B. Waters, deceased, late of Montclair, N. J., by Julia K. Waters, administratrix, Montclair, N. J., assignor, by direct and mesne assignments, of thirty-seven and one-half per cent to Leslie L. Steindler, Mamaroneck, N. Y., and twenty-five per cent to Messrs. Strauch & Hoffman, Washington, D. C., a partnership composed of William A. Strauch and James A. Hoffman
Original application December 2, 1929, Serial No. 411,146. Divided and this application February 4, 1935, Serial No. 4,939
2 Claims. (Cl. 172—276)

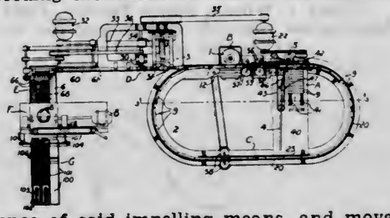


1. A direct current motor for starting internal combustion engines having iron pole pieces and an iron core connecting the same, a series field wound on said pole pieces, an alternating current transformer having a primary winding and a secondary winding, a core for said primary and secondary windings comprising a portion of said motor core and means connecting said series field and the secondary of said transformer.

2,079,093
DOWEL MAKING MACHINE

Arthur R. Welch, Hoquiam, Wash., assignor to Harbor Plywood Corporation, Hoquiam, Wash., a corporation of Delaware
Application August 26, 1933, Serial No. 686,953
6 Claims. (Cl. 144—3)

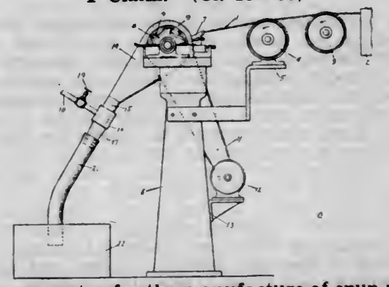
3. In a dowel making machine, in combination, a block conveying table and a guide rail constituting a closed path, means to advance blocks in such path, a block supply table adjacent to such path for storing blocks on edge, means continuously impelling blocks toward the closed path for feeding thereinto, and means normally interdicting feeding movement of the blocks under the



influence of said impelling means, and movable at will to noninterdicting position.

2,079,094
APPARATUS FOR OPENING STAPLE FIBERS

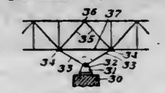
William Whitehead and Albert W. Keight, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application June 1, 1932, Serial No. 614,698
1 Claim. (Cl. 19—66)



In apparatus for the manufacture of spun yarn from staple fiber made from continuous filaments, the combination with a device for cutting the filaments into staples to the desired length and means for delivering bundles of continuous filaments to said cutting device, of an unobstructed closed conduit cooperating with said cutting device, means for delivering the cut staples to the conduit, and means comprising an annular nozzle, positioned in said conduit at a substantial distance from said cutting device, for forcibly introducing into said conduit a blast of air directed substantially parallel to and in the same direction as the motion of the bundles, said blast of air being adapted to open the fiber and forward it through the conduit to a collecting box.

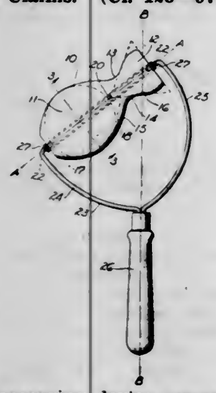
2,079,095
BRIDGE CONSTRUCTION

Ernest M. Wichert, Wilkinsburg, Pa., assignor to The Wichert Continuous Bridge Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 15, 1934, Serial No. 730,757
10 Claims. (Cl. 14—4)



1. In the construction of a non-rigid continuous bridge having adjacent spans connected and supported through a quadrilateral whose members are relatively movable, the steps consisting in forming the quadrilateral and maintaining it rigid until the essential members forming the spans on opposite sides thereof are in place, and thereafter freeing the quadrilateral so that its members may move relatively to one another.

2,079,096
CHIN MOLDER
Selma J. Wilson, Santa Monica, Calif.
Application June 25, 1935, Serial No. 28,263
3 Claims. (Cl. 128—57)



1. A chin massaging device comprising a roller elongated in the direction of its axis, said roller having an annular channel adjacent one end thereof dividing the roller into major and minor end sections merging with said channel in a continuous curve, said channel being of sufficient depth and curvature to engage the ridge of a human chin, said major section of the roller being substantially a truncated prolate spheroid and adapted to engage the under portion of the chin, said minor section being substantially a frusto-conoid with the base thereof constituting an end of the roller and adapted to engage the portion of the chin above the ridge, and means to support said roller in operative position.

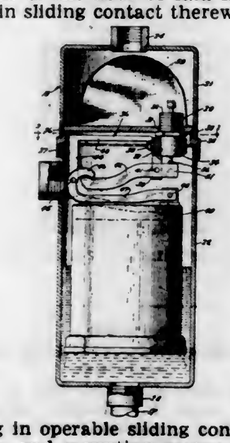
2,079,097
ELECTRIC FUSE AND FUSE TERMINALS
Morris B. Wood, Newburyport, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts
Application August 3, 1935, Serial No. 34,567
11 Claims. (Cl. 200—131)



1. An electric fuse of the cartridge type having an enclosing casing, knife blade terminals, an insulating bar connecting said terminals, blade-centering discs on said knife blades at the ends of said bar and within the ends of and closely fitting the interior of said casing, and means fixing a disc rigidly on its associated knife blade whereby at the junction therebetween the surfaces of both that confront said bar are free from projecting parts, the end of said connecting bar being abutted against the face of the disc.

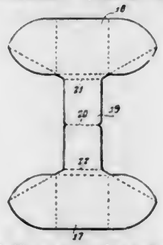
2,079,098
AUTOMATIC WATER FEEDING DEVICE
William J. Woolley, Chicago, Ill.
Application October 10, 1934, Serial No. 747,735
4 Claims. (Cl. 137—101)

1. In a water feed device for a boiler or the like, a valve, a valve stem, condition responsive valve actuating means, a lever pivotally connected with said actuating means at one end and having a hook at its other end, a valve lever below the end of the hook of said first mentioned lever and in sliding contact therewith, said valve



lever being in operable sliding contact with said valve stem, and mounting means for both said levers, said first mentioned lever being pivoted to said mounting means near its hook end.

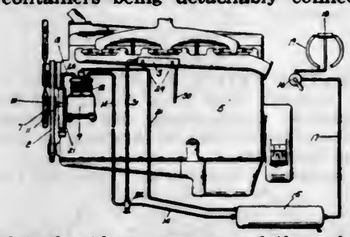
2,079,099
LIP SHIELD
Earl E. Barnett, North Hollywood, Calif.
Application August 29, 1936, Serial No. 98,492
3 Claims. (Cl. 2—174)



1. A device of the type described comprising a pair of relatively elongated normally flat wall members of flexible sheet material positioned one on top of the other and connected together along one side at three points, adjacent one end, the middle, and the other end, respectively, the end points of attachment being spaced laterally with respect to the mid-point of attachment whereby said wall members spread apart at the mid-portions of their free edges to form a boat-shaped body in response to inwardly directed longitudinal forces applied to the members adjacent their ends, and a tongue member interposed between said wall members and secured to one at least of said wall members, in which one at least of said wall members is extended laterally beyond the end points of attachment to provide tabs whereby the device may be conveniently gripped with the fingers for manipulation.

2,079,100
DEHYDRATOR FOR AIR BRAKE SYSTEMS
Russell S. Begg, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application January 22, 1936, Serial No. 60,273
3 Claims. (Cl. 303—1)

1. The combination with a motor vehicle having brakes and an internal combustion engine having an exhaust gas manifold, an air compressor operated by the engine and having inlet and outlet valves, a reservoir, an expansion chamber to operate said brakes and a valve to control the passage of compressed air to said chamber, of a pair of interchangeable containers having a body of silicon dioxide therein, one of said containers being detachably connected to



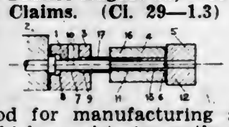
the inlet of said compressor and through which atmospheric air is drawn into the compressor to dehydrate the air and preclude the presence of moisture in the system while the other container is mounted to receive heat from the exhaust manifold to reactivate the silicon dioxide therein whereby the containers can be interchanged when the medium in the first named container approaches its saturation point.

2,079,101
CAST REFRACTORY AND METHOD OF MAKING IT
Raymond C. Benner and George J. Easter, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application November 22, 1935, Serial No. 51,113
14 Claims. (Cl. 49—79)



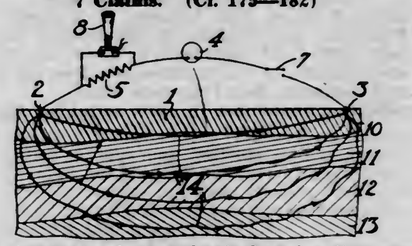
1. That method of making refractory shapes which comprises providing a mold with molten non-metallic refractory material which crystallizes in crystals having major and minor axes, and cooling faces of the mold at differential rates and thereby causing solidification with the crystals preponderantly oriented with the same crystal axis in a single direction inwardly of the casting from the most rapidly cooled face.

2,079,102
METHOD OF MAKING METAL CASES FROM A TUBULAR PIECE
Oreste Biginelli, Clermont-Ferrand, France
Application August 17, 1934, Serial No. 740,209
In France August 22, 1933
4 Claims. (Cl. 29—1.3)



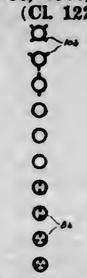
1. A method for manufacturing a cartridge case blank which consists in partly introducing a drawn tube having a diameter which is inferior to the smallest diameter of the case in a die whose inner shape is identical to the outer shape of the corresponding portion of the case, in flanging by means of an expanding punch the portion of said tube which is not engaged in said die, in then drawing the portion of the tube engaged in said die until it fits exactly the inner shape of same and in closing the back opening of the tube portion which has been expanded by the punch.

2,079,103
APPARATUS FOR RECORDING EARTH CURRENT TRANSIENTS
Ludwig W. Blau and Louis Statham, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 28, 1934, Serial No. 759,510
7 Claims. (Cl. 175—182)



5. Apparatus for geophysical exploration, comprising spaced electrodes in the ground, an electric circuit connecting the electrodes, including a source of electric energy whereby electric current is passed through a volume of the ground including subsurface strata between the electrodes, and an indicator in the circuit for receiving an indication of the transient of the current as modified by its passage through the ground.

2,079,104
SUPERHEATER
Carl A. Brandt, Great Neck, N. Y., assignor to The Superheater Company, New York, N. Y.
Application January 30, 1936, Serial No. 61,495
8 Claims. (Cl. 122—462)



1. In a steam superheater of the type comprising tubular elements through which the steam flows and portions of which are exposed to heating gases of higher temperature than other portions, the combination of such tubular elements, means within the first named portions to enhance the rate of transfer of heat from the metal to the steam, the outside of the tubes of these portions being bare and means on the outside of the second named portions to enhance the rate of transfer of heat from the gases to the metal, the inside of the tubes of these portions being bare.

2,079,105
EXPLOSIVE
Laud S. Byers, Glendale, Calif., assignor, by mesne assignments, to Halafax Explosives Company, Los Angeles, Calif., a corporation of Delaware
No Drawing. Application August 20, 1934, Serial No. 740,635
3 Claims. (Cl. 52—8)

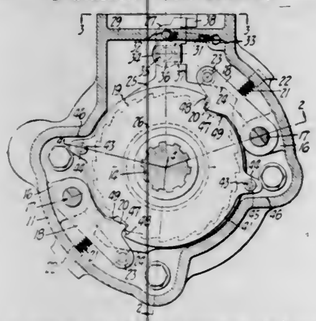
3. A chlorate-nitrate explosive containing

from about 66% to 73% of a mixture of alkali chlorate and alkali nitrate, the proportion of nitrate exceeding the proportion of chlorate in said mixture, and also containing a liquid mixture of isomers of dinitrotoluene having an initial crystallizing temperature between about 35° F. and 60° F. and from about 10% to 14% of ground wood substantially passing a 20 mesh screen and retained on a 60 mesh screen.

2,079,106
REVERSE LOCK MECHANISM

Charles P. Cirac and Thomas W. Cooper, San Francisco, and William W. MacDonald, Mountain View, Calif., assignors, by direct and mesne assignments, to Cirac Automatic Reverse Control Company, San Francisco, Calif.

Application September 16, 1936, Serial No. 101,064
8 Claims. (Cl. 192—4)



1. In a motor vehicle, a reverse locking mechanism comprising: a ratchet wheel adapted to rotate in response to the rotation of the drive shaft of said vehicle; a pawl pivoted to some fixed part of the vehicle and adapted to engage said ratchet wheel; means for urging said pawl in engagement with the ratchet wheel; a cam plate arranged to oscillate about a fixed point through a predetermined arc in response to the rotation of said ratchet wheel; a cam surface on said cam plate of such shape that when the plate is in one extreme position it will serve to hold the pawl clear of said ratchet wheel, but upon a slight movement of the cam plate in the direction of its opposite extreme position the pawl will be permitted to drop into engagement with said ratchet wheel and upon further movement of the cam plate toward said opposite extreme position the pawl will be disengaged and held away from said ratchet wheel; and means independent of said cam plate for moving and holding said pawl out of engagement with said ratchet wheel.

2,079,107
DEVICE TO PREVENT PICKING IN POULTRY

John Clayton Cridlebaugh, Woodinville, Wash.

Application September 19, 1935, Serial No. 41,318
6 Claims. (Cl. 119—97)



1. A device as set forth comprising a pair of spaced apart plates having a size sufficient to constitute blinders, an arcuate connecting member connecting the plates together, said plates having alined inner portions and forwardly projecting outer portions, a pair of lugs carried by the inner edges of the plates, a pin extending through said lugs and adapted to engage through the breather openings in the beak of a fowl, a pin locking hook and means secured to the pin and the hook to dispose the hook in offset relation to the pin, one of said plates having a notch in an edge thereof to receive said hook when in locked position.

2,079,108
TEXTILE PROCESS AND PRODUCT

Camille Dreyfus, New York, N. Y., and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application April 17, 1930, Serial No. 445,202
20 Claims. (Cl. 18—54)

1. The process of improving the properties of artificial materials containing organic derivatives of cellulose, comprising incorporating a partial higher fatty acid ester of a polyhydric alcohol in said artificial materials containing organic derivatives of cellulose.

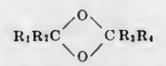
15. Textile materials containing a partial higher fatty acid ester of a polyhydric alcohol.

2,079,109
MANUFACTURE OR TREATMENT OF PRODUCTS OR ARTICLES MADE OF OR CONTAINING CELLULOSE DERIVATIVES OR OTHER LACQUER BASES

Henry Dreyfus, London, England

No Drawing. Application August 22, 1932, Serial No. 629,907. In Great Britain September 26, 1931
18 Claims. (Cl. 18—54)

12. In the production of filaments, threads, yarns, ribbons, films, foils, sheets and the like from solutions containing organic derivatives of cellulose, the step of coagulating the materials by means of media containing dimethylene ethers of the formula

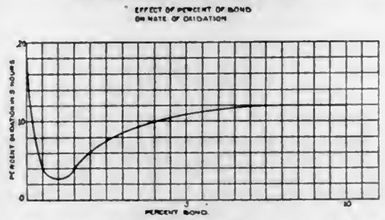


wherein R_1, R_2, R_3 and R_4 each represents a hydrogen atom or lower aliphatic group.

2,079,110
CERAMIC BONDED SILICON CARBIDE REFRACTORY

George J. Easter and Charles McMullen, Niagara Falls, N. Y., and Ian M. Logan, Niagara Falls, Ontario, Canada, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application October 17, 1933, Serial No. 693,956
10 Claims. (Cl. 106—9)

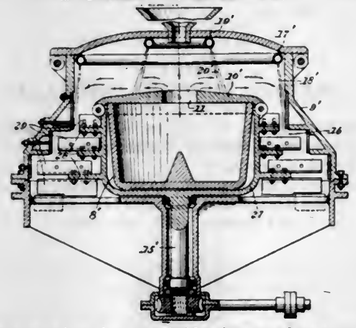


1. A silicon carbide refractory comprising silicon carbide grain and an added bond, said bond comprising feldspar and constituting less than 2% of the batch by weight.

2,079,111
APPARATUS FOR TREATING MOLTEN MATERIALS

Louis C. Edgar, Swissvale, and Edgar E. Brosius, Pittsburgh, Pa.; said Edgar assignor to said Brosius

Application December 15, 1931, Serial No. 581,100
Renewed August 5, 1935
2 Claims. (Cl. 83—91)

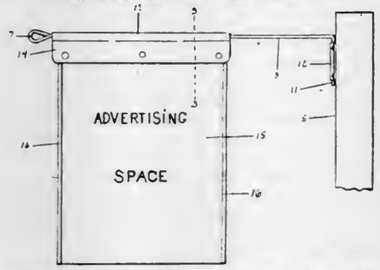


1. Apparatus for centrifuging and granulating slag, comprising a centrifuge having a removable cover secured thereto, the top of the centrifuge being flared outwardly and upwardly to permit the removal of cast metal therefrom when the cover is removed, means for discharging slag containing metal into the centrifuge, means for rapidly rotating the centrifuge so as to centrifugally separate the metal from the slag, and water sprays for granulating the slag as discharged from the centrifuge, said centrifuge having agitating members projecting therefrom to act on the slag as it is being granulated.

2,079,112
REVOLVING SIGN

Theodore P. Eichelsdoerfer, Rock Island, Ill.

Application August 26, 1935, Serial No. 37,951
Renewed October 14, 1936
1 Claim. (Cl. 40—128)



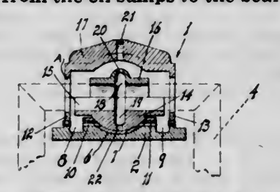
A device of the class described, comprising a support formed of a single piece of wire twisted to provide a body portion having an enlarged loop at one end and divergent arms at the other end bent angularly to form prongs for insertion in a keeper at spaced points, a supporting plate having a tubular portion for pivotal engagement with said body portion, limited in its movement thereon in one direction by said loop and in the other direction by said divergent arms, and a display member attached to said plate.

2,079,113
PITMAN STIRRUP BEARING

Walter W. Erlewine, Long Beach, Calif.

Application June 24, 1935, Serial No. 28,149
3 Claims. (Cl. 308—2)

1. A pitman stirrup bearing, comprising a base, said base having a hemispherical recess cored therein, a hemispherical bearing block journaled in said recess, a cap detachably secured to the bearing block and extending over the stirrup, whereby the block is detachably secured to the stirrup, said base having oil sumps therein, ports extending from the oil sumps to the bearing block,

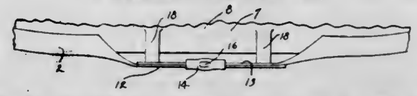


a cover detachably secured to the base, said cap and bearing block having aligned oil passages extending around the stirrup, said cap having an oil hole in the top thereof communicating with said passages, and said bearing block having an oil hole in the bottom thereof communicating with said passages.

2,079,114
CLAMPING RING FOR RECEPTACLE COVERS

Llewellyn W. Evans, Richmond, Calif., assignor to Rheem Manufacturing Company, Richmond, Calif., a corporation of California

Application June 25, 1934, Serial No. 732,272
3 Claims. (Cl. 220—61)

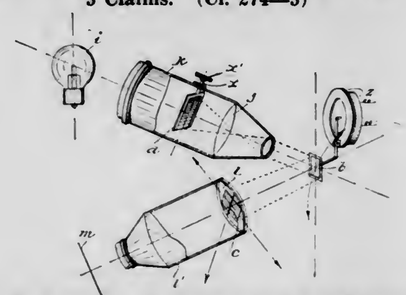


1. A clamping ring for securing together a receptacle and a cover therefor, comprising an annular body portion having a concave inner side for simultaneously engaging the periphery of said cover and the rim of said receptacle and provided with free end portions arranged to overlap one another, a clamping member embracing the overlapping ends of said ring and arranged to lock said ends against relative movement, and lugs on said cover engageable with said ends at opposite ends of said clamping member to hold the latter spaced from said cover.

2,079,115
SYSTEM FOR RECORDING SOUND PHOTOACOUSTICALLY ON CINEMATOGRAPH FILM

Bruno Francisci, Rome, Italy

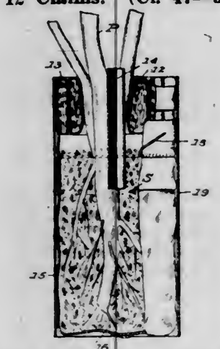
Application March 28, 1934, Serial No. 717,725
In Germany and France February 24, 1934
5 Claims. (Cl. 274—5)



1. In a system of photographic sound recording of the intensity variation type, the combina-

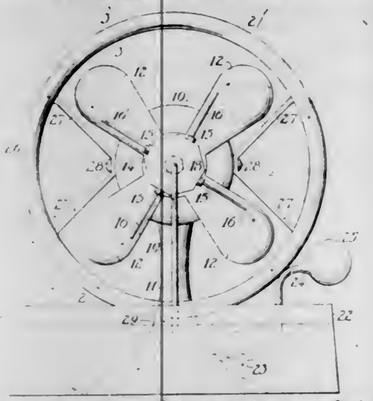
tion with a light source and a sound responsive device; of a projector adapted to project a beam of light upon a light sensitive member, said projector having a narrow aperture for admitting light, reflecting means for directing on said aperture a beam of light the intensity of which is gradually shaded off crosswise of said aperture and separate means associated with said sound responsive device for causing said beam to oscillate lengthwise of said light sensitive member.

2,079,116
SEMIPOTTED PLANT PACKAGE
Clark E. Gardner, Osage, Iowa
Application March 4, 1936, Serial No. 67,121
12 Claims. (Cl. 47—37)



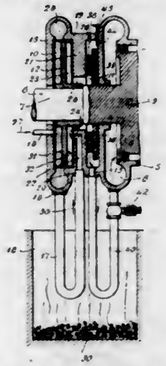
2. An article of the character described comprising a package wholly enclosing the plant body, said package having a root and soil holding portion, and an integral upper portion extending around the plant stems, a non-moisture absorbent collar located within said upper portion and closely fitting around the plant stems, and a lateral-wise rip cord for readily detaching said integral upper package portion to permit removal of said collar, as and for the purpose set forth.

2,079,117
ATOMIZING FAN
Russell R. Hays, Wellsville, Kans.
Application September 5, 1936, Serial No. 99,583
5 Claims. (Cl. 261—30)



1. An atomizing attachment for a radial fan of the character described comprising a supply tank, a chamber rotatable with said fan and located near the fan axis, radial tubes extending from said chamber to the surface of the fan blades, a supply tube establishing communication between said supply tank and said chamber whereby rotation of the fan draws water from said tank to said fan blades, and a priming device including an extension of the supply tube carrying means for expelling a jet of fluid into the supply tube and up into said chamber at the center of the fan.

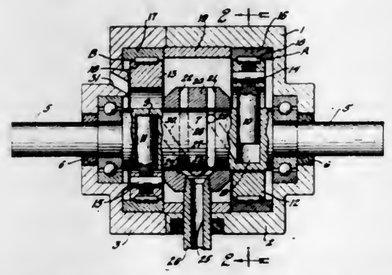
2,079,118
COMBINED TURBINE AND STEAM GENERATOR
Rudolf Hingst, Berlin-Tegel, Germany, assignor to Rheinmetall-Borsig Aktiengesellschaft, Berlin-Tegel, Germany
Application January 18, 1936, Serial No. 59,745
In Germany January 19, 1935
13 Claims. (Cl. 60—108)



1. A combined steam turbine and steam generator, comprising a centrifugal wheel, a turbine casing enclosing said centrifugal wheel, said centrifugal wheel and said casing forming a pump chamber and a separating chamber, means for introducing the feed water into the first-mentioned chamber, a steam generator connected with said two chambers, the centrifugal forces developed by said centrifugal wheel causing a flow of the water from the first-mentioned chamber into said steam generator, the steam produced by said steam generator flowing into the second-mentioned chamber and being separated therein from water particles contained in said steam, means in communication with the second-mentioned chamber for superheating said steam, an auxiliary turbine wheel, and means for supplying the superheated steam to said auxiliary turbine wheel.

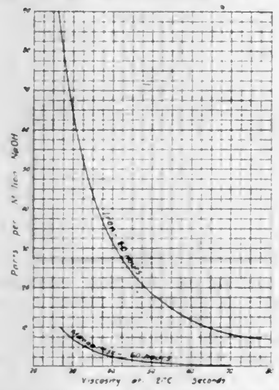
2,079,119
PUMP
David R. Hillis, Detroit, Mich., assignor to Trabon Engineering Corporation, Cleveland, Ohio, a corporation of Ohio
Original application August 6, 1934, Serial No. 738,656. Divided and this application November 29, 1935, Serial No. 52,106
3 Claims. (Cl. 103—160)

1. In combination in a self-lubricating pump, a hollow housing, an inlet passage therein for admitting fluid into said hollow housing, a shaft journalled in said housing and extending therefrom, a cylindrical aperture disposed transversely in the portion of said shaft in said housing and open at one end, a piston slidable in said aperture, means for reciprocating said piston in said aperture as said shaft rotates in said housing, a sleeve mounted for free rotation on said shaft, an inlet port in said sleeve for receiving said fluid admitted into said hollow housing, an outlet port in said sleeve, an outlet pipe extending through the side wall of said hollow housing



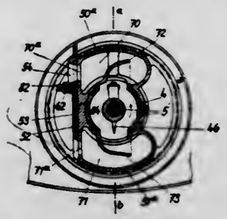
into said outlet port for receiving high pressure fluid therefrom and for holding the sleeve stationary relative to the shaft, and conduit means provided in said shaft for connecting from the closed end of said cylindrical aperture therein to said inlet port and to said outlet port alternately as the shaft rotates.

2,079,120
PROCESS FOR PRODUCTION OF CAUSTIC ALKALI SOLUTIONS ADAPTED TO FORMATION OF ALKALI CELLULOSE AND HAVING A UNIFORM CATALYTIC ACTIVITY
Albert H. Hooker, Burr H. Ritter, and Stanley F. M. MacLaren, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, New York, N. Y., a corporation of New York
Application August 7, 1935, Serial No. 35,152
4 Claims. (Cl. 23—230)



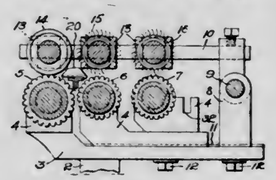
1. The process for production of caustic alkali solutions adapted to formation of alkali cellulose as a step in the production of cellulose xanthate and having a uniform catalytic activity with respect to the rate of depolymerization of alkali cellulose made by reaction of cellulose therewith, from caustic soda solution containing deficient and non-uniform traces of one or more metals of the group consisting of iron, manganese, copper and nickel, which comprises determining the respective quantities of said metals in each batch, evaluating on the basis that one part of manganese is equivalent to ten parts of iron, copper or nickel, the aggregate catalytic activity of said metals in said depolymerization and adding manganese to bring the aggregate catalytic activity in said depolymerization of the metals in said batch up to a specified standard.

2,079,121
TAPPING AND REFILL-CONTROLLING DEVICE FOR LIQUID CONTAINERS
Christoph Karageorgieff, Vienna, Austria
Application December 26, 1935, Serial No. 56,278
In Austria March 20, 1935
10 Claims. (Cl. 277—66)



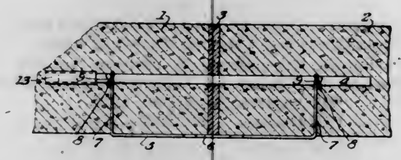
1. A tapping and refill-controlling device for attachment to a container of dispensable liquid, comprising in combination a stopcock casing with a through central bore, a cock plug rotatably fitted in the said bore, key-controlled means for locking the said plug against axial movement in the said casing and for releasing the same for removal from the casing to clear the said bore for the purpose of refilling the container, a plane bearing face at the side of the said casing, ports in the wall of the said bore, ports in the said bearing face, an air inlet and a liquid outlet passage in the said casing leading severally from one of the said ports in the wall of the bore to the corresponding one of the said ports in the bearing face, an air inlet and a liquid outlet port in the said plug adapted to register with the said ports in the bore of the casing, an apertured slide member adapted to work against the said bearing face and to close and open the said ports in said face in its two operative end positions, respectively, and weight-operated means for actuating the said slide member in dependence on the position of the said device in space.

2,079,122
DRAFTING MECHANISM
Thomas W. Lawton, New Bedford, Mass.
Application March 29, 1935, Serial No. 13,645
9 Claims. (Cl. 19—130)



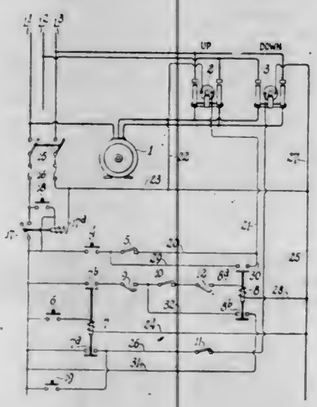
1. A condensing guide for a sliver, in textile drafting frames including slubbers, intermediate, roving and spinning frames, said guide being a one-piece sheet metal member comprising a horizontal flange adapted for slidably seating the guide, a substantially vertical positioning and guiding fin, and a forwardly tapered sliver-guiding funnel-like portion comprising a folded bottom wall overlying said flange.

2,079,123
DOWEL STRUCTURE FOR CONCRETE ROADWAYS
Louis J. Lind, Pittsburgh, Pa.
Application October 12, 1935, Serial No. 44,714
3 Claims. (Cl. 94—8)



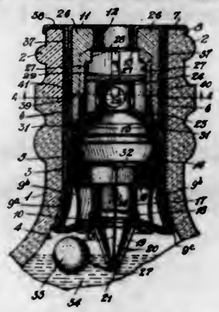
1. A prefabricated frame for supporting the dowels to connect adjacent concrete roadway slabs, comprising a plurality of U-shaped supports, each consisting of an intermediate portion and a leg extending upwardly in a vertical plane from each end of the intermediate portion and parallel to one another, the legs at the corresponding ends of the several supports being disposed in the same planes, and connecting bars rigidly secured to the corresponding legs of each of the supports at either end of the latter and below the upper extremities of said legs to provide seats for the dowels.

2,079,124
CONTROLLER FOR ELECTRIC MOTOR DRIVEN DEVICES
Ralph G. Lockett, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 8, 1936, Serial No. 99,799
6 Claims. (Cl. 172—239)



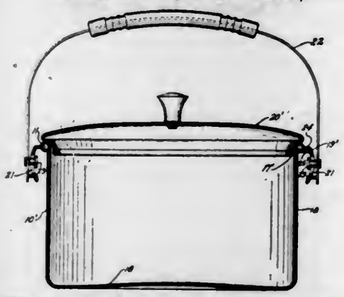
1. In a controller for a motor utilized to drive a device in one direction to a given limit, then return it a slight distance to a given position, and thereafter drive it in the direction first mentioned to a second limit, in combination, means for effecting operation of the motor in reverse directions selectively, a limit switch to stop the motor when the driven device is driven as aforestated to the first limit, and a limit switch to stop the motor when the driven device is subsequently driven to said second limit, said means comprising means to effect after tripping of the first limit switch completion of the aforestated cycle while said first limit switch remains tripped.

2,079,125
NONREFILLABLE BOTTLE AND UNIT THEREFOR
Thomas Leonard MacBean, New York, N. Y.
Application June 3, 1935, Serial No. 24,756
9 Claims. (Cl. 215—23)



3. In a non-refillable bottle the combination of a sleeve member insertable within the bottle neck, said sleeve having means for engaging the interior of the bottle below said neck to prevent removal of the sleeve therefrom, and a housing including a valve and valve seat adapted to be inserted within said sleeve, said housing having means operable when said housing is inserted to move said engaging means of the sleeve member into locking engagement with the interior wall of the bottle to prevent subsequent removal of the sleeve and housing therefrom.

2,079,126
ART OF UTENSIL MANUFACTURE
Harvey H. Maas, Sheboygan, Wis., assignor to The Vollrath Co., Sheboygan, Wis., a corporation of Wisconsin
Application March 9, 1936, Serial No. 67,846
12 Claims. (Cl. 29—148.2)

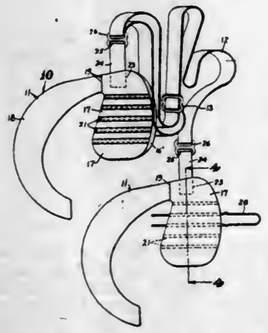


12. The method of forming enameled ware, which consists in shaping a metallic vessel with a closed, annular, hollow bead, connecting a hollow, orificed handle element to the vessel and in communication with the interior of the bead, coating the vessel with enamel, firing the enamel and causing gases formed in the bead during the firing step to flow into the handle element for discharge therefrom remote from the bead.

2,079,127
PROCESS FOR REMOVAL OF SULPHUR FROM ACETIC ANHYDRIDE
Herbert E. Martin, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 22, 1933, Serial No. 703,558
2 Claims. (Cl. 260—123)

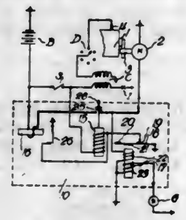
1. Process for the removal of sulphur and labile organo-sulphur compounds from acetic anhydride, which comprises agitating the anhydride with brass bronzing powder and then distilling off the anhydride.

2,079,128
FACIAL APPLIANCE
Jane McKinlay, Los Angeles, Calif.
Application March 23, 1936, Serial No. 70,356
4 Claims. (Cl. 128—76)



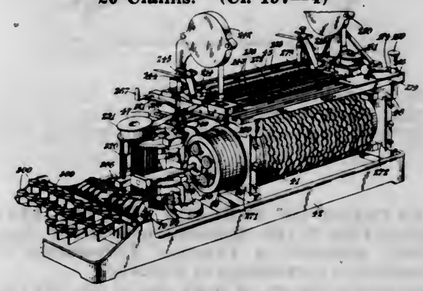
1. In a facial apparatus, a plurality of tabs, flexible means connecting said tabs, each of said tabs comprising a layer of fabric having an adhesive on one face thereof, each of said tabs including a body portion, a plurality of hollow open ended rolls arranged on the other face of said tab, and a covering on said other face of the tab and engaging the tab and the rolls.

2,079,129
AUTOMATIC AUTOMOBILE STARTING SYSTEM
Marion W. Morris, Logansport, Ind., assignor to Eclipse Machine Company, Elmira Heights, N. Y., a corporation of New York
Application May 11, 1932, Serial No. 610,609
5 Claims. (Cl. 290—37)



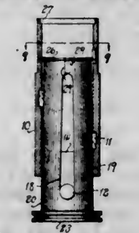
5. In an automatic starter control for internal combustion engines a starting circuit including a magnetic starting switch, a control circuit for said starting switch including two sets of contacts in parallel, one set being normally closed and the other set normally open, means energized by closure of the starting switch for closing the normally open contacts and opening the normally closed contacts, means for holding open the normally closed contacts during self-operation of the engine, and means operative upon release of said holding means for vibrating said normally closed contacts a predetermined time before permitting effective closure thereof.

2,079,130
APPARATUS FOR ENCIPHERING AND DECIPHERING MESSAGES
Morgan Cyprian McMahon O'Brien, Shortlands, England
Application March 25, 1936, Serial No. 70,905
In Great Britain April 3, 1935
20 Claims. (Cl. 197—4)



1. A machine of the kind described comprising a sub-frame, cipher-wheels carried thereon, a gear carried by each cipher-wheel, a plurality of scatter-gears rotatable about a fixed axis and means for rocking the cipher-wheel sub-frame into a position in which the cipher-wheel gears may be engaged by the scatter-gears.

2,079,131
ADJUSTABLE HOLDER FOR LIPSTICKS AND THE LIKE
Howard F. Reichenbach and Albert N. Stadalius, Waterbury, Conn., assignors to The Chase Companies, Incorporated, Waterbury, Conn., a corporation of Connecticut
Application May 28, 1936, Serial No. 82,166
5 Claims. (Cl. 206—56)



1. An adjustable holder for lipsticks and the like including in combination: a tubular body-member; an advanceable and retractable carrier within the said body-member; and a tubular operating-member within the said body-member and rotatable with respect thereto to advance and retract the said carrier; the said operating-member having a collapsible portion provided with a retaining-projection engaging with a portion of the said body-member to hold the two said members against relative axial displacement, the said operating-member also having releasable locking-means serving to normally prevent the collapse of its collapsible portion.

2,079,132
BAG OR SACK HOLDER
Vereau L. Stathem, Riverdale, Calif.
Application May 9, 1936, Serial No. 78,952
16 Claims. (Cl. 226—51)

13. A bag holder including a longitudinally rigid main bag-engaging bar, supporting means therefor, an opposed bar formed of two sections

hinged to each other, the sectional bar being movable from a position parallel to the main bar to a position with the two sections in angular relation to each other and to the main bar, means for



yieldably maintaining the sectional bar in such angular relation, and means for latching the bars in parallel relation closely approximating each other.

2,079,133

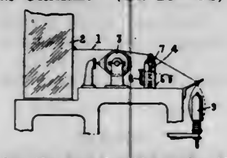
TREATMENT OF THREADS AND THE LIKE

William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

Application March 28, 1933, Serial No. 663,146

In Great Britain April 14, 1932

12 Claims. (Cl. 18—54)



1. Process for the production of a thread, which comprises applying to a plurality of continuous contacting filaments a solvent medium in sufficient amount and concentration to render tacky the substance of the filaments but insufficient in amount and concentration to cause coalescence of the individual filaments, thereby causing the contacting filaments to adhere to one another and, when no longer tacky, to remain adherent but capable of separation from one another, the thread having a flexibility substantially equal to a normal bundle of filaments of similar constitution.

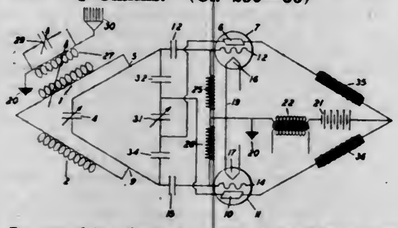
2,079,134

OSCILLATING RADIO RECEIVER

Frederick E. Terman, Stanford University, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada

Application November 13, 1933, Serial No. 697,799

4 Claims. (Cl. 250—36)



1. In combination, a pair of oscillator tubes each having a control electrode and an anode, an oscillating circuit connecting the control electrodes of said tubes, a capacity potentiometer bridged across said oscillating circuit, and a connection between the anodes of each of said tubes and a point on said potentiometer more closely adjacent the connection thereof to the control electrode of the other tube whereby the tubes may be set into varying degrees of oscillation in opposite phase relation.

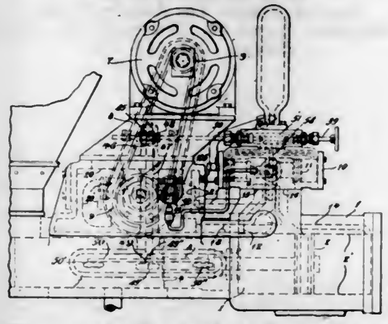
2,079,135

STOKER MOTOR CONTROL

James F. Turner and Christian P. Breidenbaugh, Baltimore, Md., assignors to Flynn & Emrich Company, Baltimore, Md., a corporation of Maryland

Application September 6, 1934, Serial No. 742,973

19 Claims. (Cl. 60—52)



1. The combination with a hydraulic motor and a fuel feed ram operated by the motor, a pump with a pressure passage connecting the pump to the hydraulic motor to supply fluid under pressure to the hydraulic motor to operate the motor, a source of power with a driving connection to the pump, of means in the pressure passage intermediate the pump and the motor intake for checking and determining the flow of fluid under pressure from said pump to the motor intake and effecting a drop of pressure in the fluid as fed to the motor intake when operating at normal speed, a relief valve connected to said passage between the pump and said checking means to discharge fluid therefrom, means tending to close said valve which is normally balanced by the fluid pressure holding the valve open to release a portion of the fluid pumped, permitting the pump and motor to operate under normal motor loads at a relatively low pressure, means connected to said motor supply pressure passage between said check and the motor and operated by the fluid pressure at that point for increasing the closing tendency of the release valve under loads in excess of the normal load as when excess resistance is encountered to the operation of the ram, tending to build up the operating pressure of the hydraulic motor.

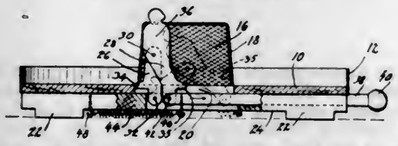
2,079,136

HOCKEY GAME BOARD

Andrew C. Untener, Detroit, Mich.

Application April 29, 1936, Serial No. 76,983

10 Claims. (Cl. 273—85)



1. A game board provided with goal enclosures at opposite ends, each enclosure being open on the side facing the enclosure at the opposite end of the board, a goal obstructing figure supported in front of and obstructing a portion of the open side of each enclosure, said figure comprising pivotally articulated leg portions relatively movable across the open side of said enclosure to vary the obstructing position thereof.

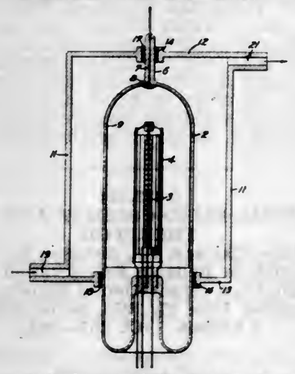
2,079,137

FLUID COOLED TUBE

Russell H. Varian, San Francisco, Calif., assignor to Farnsworth Television Incorporated, a corporation of California

Application March 13, 1935, Serial No. 10,887

1 Claim. (Cl. 250—27.5)



A fluid cooled electrical discharge device, comprising an insulating, heat conducting envelope, an electrode disposed within said envelope in atomic contact with the interior surface thereof and a cathode, a housing for liquid disposed about said envelope to enclose the area covered by said electrode, a lead wire from said electrode passing through the space enclosed by said housing, and means forming an extension of said envelope for insulating said lead wire from contact with the liquid in said housing.

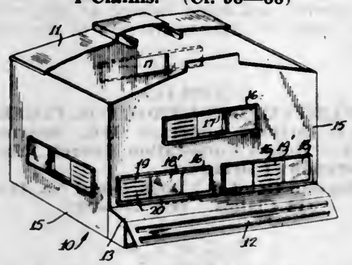
2,079,138

OUTDOOR BATTERY BROODER WINDOW

Elisha S. Winn, Fitzgerald, Ga.

Original application December 2, 1932, Serial No. 645,460. Divided and this application July 10, 1936, Serial No. 89,977

4 Claims. (Cl. 98—88)



1. In an outdoor battery brooder, a brooder wall, a controllable ventilating means for said wall, said means comprising a window frame on said brooder wall, a window opening through said wall of said brooder within said window frame, a metal ventilator slidable in said window frame to one side of said window opening, and a glass panel in said window frame slidable to the other side of said window opening.

2,079,139

POCKET RECEPTACLE AND TRIM

James H. Woof, Los Angeles, Calif.

Application November 22, 1935, Serial No. 51,040

3 Claims. (Cl. 35—56)

1. In a device of the class described, a panel of thin flexible material, fingers formed integral with and projecting upwardly from the upper end of said panel and sections of decorative



material secured to the upper portion of said panel and wholly enclosing said fingers.

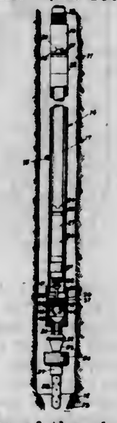
2,079,140

FORMATION TESTER

Harold C. Yarbrough, Brea, Calif.

Application March 12, 1934, Serial No. 715,084

9 Claims. (Cl. 166—1)



1. A testing device of the class described embodying: a working barrel adapted to be suspended in a bore hole; a hollow plunger in said working barrel; a hollow plunger rod extending through the top of said working barrel for supporting said plunger; a working valve in said plunger; a standing valve in the bottom of said working barrel; a liquid inlet conduit in the bottom of said working barrel having an enlarged conical shaped upper portion; packing means slidably mounted on said liquid inlet conduit; and valve means associated with said liquid inlet conduit for releasably sealing said working barrel against ingress of liquid from said bore hole.

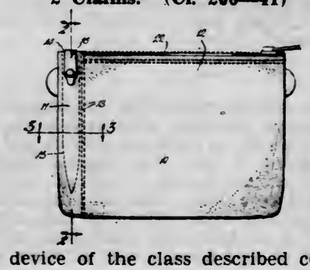
2,079,141

TOBACCO POUCH

Victor F. Zahodiakin, New York, N. Y.

Application January 14, 1936, Serial No. 59,100

2 Claims. (Cl. 206—41)



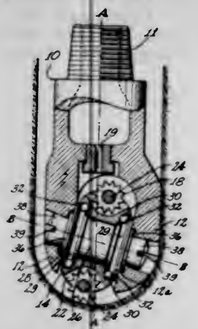
1. A device of the class described comprising

a tobacco pouch formed of leather or the like, the walls of the pouch secured together along a line parallel to and relatively close to one edge of the pouch to form a long narrow compartment serving as a sheath, a pipe cleaner blade mounted in said sheath and including a handle element attached to the end of the blade opposite to the end thereof which is used, said handle element including means for attachment to a wall of the compartment when the blade is inserted in the sheath.

2,079,142

BEARING ASSEMBLY FOR DRILLING TOOLS

John A. Zublin, Los Angeles, Calif.
Application November 20, 1936, Serial No. 111,871
14 Claims. (Cl. 255—71)

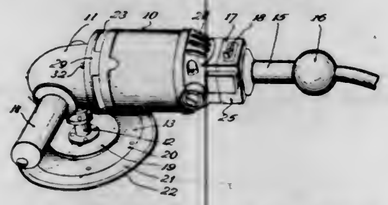


1. In a well drilling tool, the combination of a shank having two spaced depending legs; a bearing structure mounted between said legs and comprising a central portion having a cylindrical surface and adapted to take the major portion of a load, and an outwardly inclined flange at each end of the cylindrical surface; a cutter carrier rotatably mounted on said bearing structure; and a plurality of ball bearings held between each flange and the carrier to transmit the remainder of a load to the bearing structure.

2,079,143

SANDING MACHINE

Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application January 19, 1935, Serial No. 2,458
4 Claims. (Cl. 172—36)

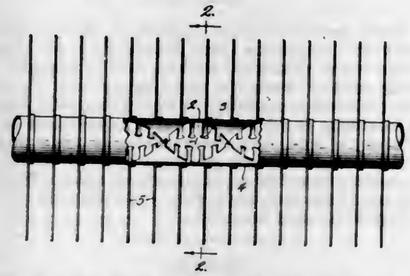


4. In an electric motor, the combination of a motor housing provided with ventilation apertures at each end, an electric motor in said housing comprising a field core spaced from said housing at certain points to permit ventilation around said core, and comprising an armature and commutator, a fan driven by said armature for expelling air from the ventilation apertures at one end of said housing and drawing air inward through the ventilation apertures at the other end of the housing, a baffle arranged between the commutator and ventilation apertures at said other end of the housing, said baffle forming a ventilation conduit with said housing and approaching said housing to form a restriction and said baffle having an aperture located adjacent said restriction to effect Venturi action whereby air is drawn through said aperture in said baffle as a result of the stream of air flowing over said baffle from the intake ventilation apertures of said housing to the outlet ventilation apertures, in order to effect a cooling of the armature and avoid the abrasive action of abrasive particles in the air on said armature.

2,079,144

THERMAL FLUID CONDUIT AND CORE THEREFOR

Frank Appa, Chicago, Ill., assignor, by mesne assignments, to Reliable Refrigeration Co., Inc., Chicago, Ill., a corporation of Illinois
Application June 17, 1935, Serial No. 27,028
3 Claims. (Cl. 257—262)

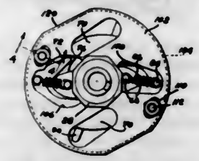


1. In an apparatus of the character described, a conduit and a sheet metal core therefor provided with a row of longitudinally spaced blades, the individual blades being joined at their inner ends to the stem of the core by an integral reduced portion and being twisted at said reduced portion about an axis transverse to the axis of the core.

2,079,145

CENTRIFUGAL CONTROL FOR TIMERS

James L. Arthur, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 7, 1935, Serial No. 43,892
13 Claims. (Cl. 200—31)



13. In centrifugal means for an ignition timer, the combination comprising, a weight plate, flyweights carried by the weight plate, and a holddown plate secured in spaced relation to the weight plate for confining the movement of the flyweights, said holddown plate having skirt portions to be engaged by the flyweights at one extreme of their movement, and means for shifting the holddown plate relative to the weight plate for altering the extent of travel of the flyweights.

2,079,146

PRODUCT AND PROCESS FOR PREPARING SAME

Thomas F. Banigan, Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 25, 1934, Serial No. 736,903
15 Claims. (Cl. 215—38)

12. A cellulosic pellicle which is subject to shrinking by loss of water and which is subject to staining when shrunk in contact with cork having associated therewith a colorless water-soluble, substantially neutral salt which will form a substantially colorless, or light-colored precipitate with tannin, tannic acid and like materials contained in cork.

2,079,147

METHOD OF TREATING PELLICLES

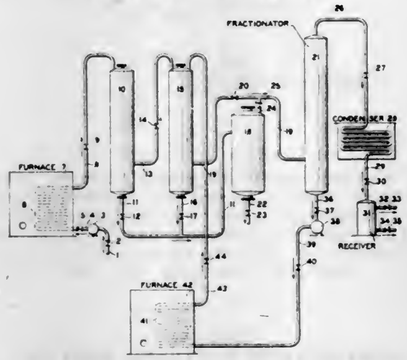
Thomas F. Banigan, Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 28, 1934, Serial No. 737,428
8 Claims. (Cl. 215—38)

1. The method which comprises treating non-fibrous cellulosic pellicles which are subject to shrinking by loss of water and which are subject to staining when shrunk in contact with iron with an aqueous solution of a salt which reacts alkaline in water solution and which will inhibit the formation of an iron compound which will discolor said pellicles.

2,079,148

CONVERSION OF HYDROCARBON OILS

John B. Barnes, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 28, 1932, Serial No. 635,187
3 Claims. (Cl. 196—49)

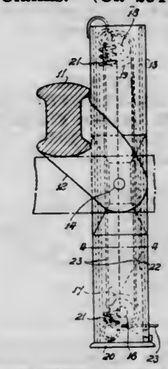


1. A hydrocarbon oil cracking process which comprises passing the charging oil in a restricted stream through a heating zone and thence discharging the same into an enlarged reaction zone, subjecting the oil to cracking conditions of temperature and pressure in said zones, separating the oil into vapors and unvaporized oil in the reaction zone, introducing such separated vapors into a second reaction zone maintained under cracking temperature and pressure, simultaneously heating a stream of reflux condensate, formed as hereinafter set forth, in a second heating zone to higher cracking temperature than the charging oil in the first-mentioned heating zone, passing the thus heated condensate directly from the second heating zone into said second reaction zone to elevate the temperature of the vapors introduced thereto, subjecting the commingled hydrocarbons to continued cracking in the second reaction zone, then removing the commingled hydrocarbons from the second reaction zone and introducing the same to a reduced pressure separating zone wherein vapors are separated from residue, removing the vapors from the separating zone and fractionating the same to condense heavier fractions thereof, supplying such condensed heavier fractions to the second heating zone as said reflux condensate, and finally condensing the fractionated vapors.

2,079,149

LIFTING JACK AND JACKING SYSTEM FOR VEHICLES

Walter Roy Bridgens, Northenden, Manchester, England
Application October 18, 1935, Serial No. 45,573
In Great Britain October 20, 1934
5 Claims. (Cl. 254—86)



1. An improved lifting jack for vehicles comprising a hollow member pivotally mounted on said vehicle, a secondary member slidable within the pivoted member, pulleys mounted on said members, a spring holding said pivoted member normally in horizontal position relative to the vehicle, a second spring holding said sliding member normally within said pivoted member, a flexible tension member engaged around said pulleys, whereby said pivoted member and said sliding member can be actuated into vertical position and the sliding member extended from the pivoted member against the tension of said springs.

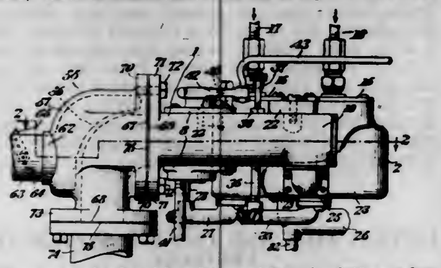
2,079,150

CARBURETOR

Eli J. Bushey, New York, N. Y.
Application March 1, 1935, Serial No. 8,840
Renewed October 8, 1936
4 Claims. (Cl. 261—18)

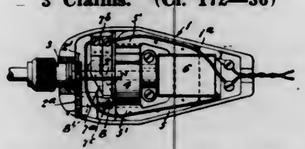
1. In combination, carburetor apparatus comprising a casing forming an air and fuel suction intake passage for delivery communication with an engine intake, a jet to discharge fuel of one grade into said passage at one point, a pair of jets to discharge fuel of another grade into said passage at other points, and a rotary throttle valve to control flow through said passage to the engine intake and having a port transverse to its axis to place selectively said first jet or one

or both of said jets of the pair in suction communication with the engine intake by rotative adjustment of the valve, the valve being adapted to cut off said communication with the pair of jets when the first jet is in communication and vice versa, the suction passage having a partition between the pair of jets, for the purpose set forth; and a humidifier in delivery connection



with one end of said valve, said end of the valve having a port opening into said transverse port and extending around the valve axis and tapering for admission and gradually increased delivery of humidified air to the suction passage, for the purpose set forth, as the valve is rotated to cut out the first jet and cut in the pair of jets.

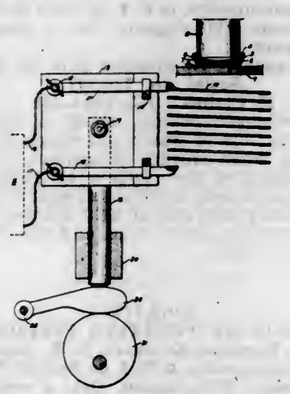
2,079,151
MOTOR FOR ELECTRIC RAZORS
Thaddeus S. Casner, Plainfield, N. J.
Application September 17, 1936, Serial No. 101,198
3 Claims. (Cl. 172—36)



1. A motor for electric razors and the like, embodying, in combination, a bi-polar field member provided with oppositely-disposed arcuate end-surfaces, a shaft, an unwound bi-polar armature mounted on said shaft and rotatable between the said end surfaces of said field member, said armature comprising a relatively-narrow body portion and terminal portions having curved surfaces of substantially quadrant-extent, each of said curved-surface terminal portions projecting approximately half of its extent to one side of said body portion in the direction of rotation of said armature and being of a differential radii offset adjacent to its leading edge from the arcuate surfaces of the field member and at its following edge being closely adjacent thereto, a circuit breaker having contact points normally separated from each other by spring power and a rotatably-mounted operating cam for closing said circuit breaker having oppositely-disposed circuit closing portions of substantially quadrant extent to positively move said contact points into engagement against the action of said spring power and in timed co-relationship with the said terminals of said armature.

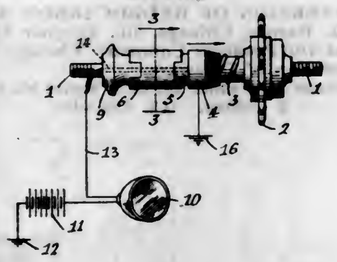
2,079,152
METHOD OF INDUCTIVE HEATING
Ralph R. Clark, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application April 22, 1936, Serial No. 75,844
7 Claims. (Cl. 219—13)

1. The method of softening a dry coating of adhesive on a metal disk, which includes the step of generating heat in the periphery of the disk only and intermittently effecting said gen-



eration of heat in the periphery of the disk until the temperature thereof is substantially uniform over its entire area and high enough to soften the coating.

2,079,153
CIRCUIT CLOSER
Raoul Côté, St. Lambert, Quebec, Canada
Application February 28, 1936, Serial No. 66,258
2 Claims. (Cl. 200—52)

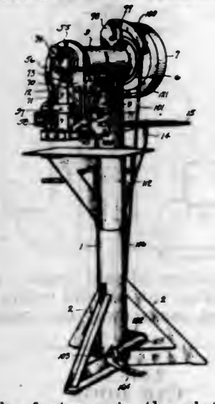


1. A circuit closer comprising a coaster brake, a driving worm, a driving nut thereon, a brake spool engageable at one end by said nut in the braking action, a conductor having a free bare end exposed at said end of said nut, said conductor being insulated from the coaster brake parts.

2,079,154
CORRUGATED FASTENER DRIVING MACHINE
Albert E. Cranston, Wenatchee, Wash.
Application March 13, 1935, Serial No. 10,835
5 Claims. (Cl. 1—9)

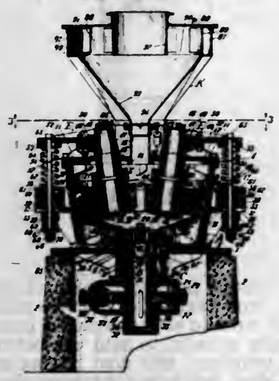
1. In a corrugated fastener driver, a driver member, advancing means for a strip of fastener material, a transfer block having a slot therethrough, and movable from a position at which said slot will receive the end portion of said strip material therein to a position in registration with the driver for driving the fastener, a shear block coacting with the transfer block for severing said

end portion from the strip and a magnetic element associated with the block for magnetically



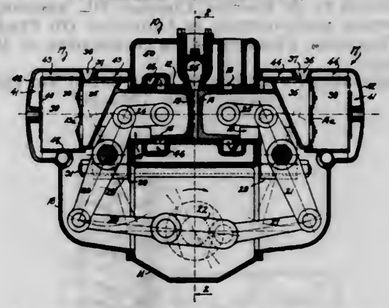
retaining the fastener in the slot prior to driving.

2,079,155
BOWL MILL
Joe Crites, Evanston, Ill., assignor to Raymond Brothers Impact Pulverizer Company, Chicago, Ill., a corporation of Illinois
Application June 10, 1935, Serial No. 25,789
9 Claims. (Cl. 83—45)



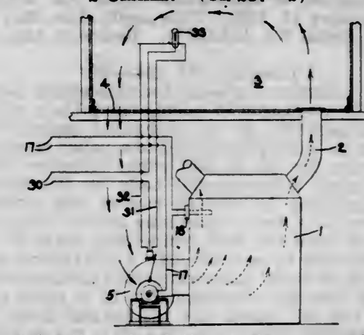
1. A mill comprising a closed casing, a substantially bowl-shaped container mounted within the casing for rotation about a central vertical axis, said container comprising a central disc-like bottom wall and an outer annular grinding wall projecting upwardly from the periphery of the bottom and flaring outwardly at a small angle to the vertical, means for rotating the bowl, means for introducing material to be ground into the central portion of the container, freely rotatable grinding rollers suspended within the bowl in position to be rotated by contact with material held by centrifugal force against the inner surface of the outer wall of the bowl, there being an annular passage between the outwardly and upwardly extending outer wall of the bowl and the enclosing wall of the casing, an inlet conduit leading substantially tangentially in the direction of rotation of the bowl into the lower portion of the casing through which air is delivered under pressure thus providing an annular air stream whirling upwardly through the passage past the peripheral edge of the bowl, an outlet opening for the air stream in the upper portion of the casing, and non-rotary means positioned in the casing at the outer side of the passage for deflecting material thrown thereagainst from the periphery of the bowl back through the air stream into the bowl.

2,079,156
TWO-CYCLE DIESEL ENGINE
Thomas Bruno Danckwortt, Los Angeles, Calif.
Application February 27, 1933, Serial No. 658,807
22 Claims. (Cl. 123—51)



1. A two-cycle Diesel engine comprising an engine block having a cylinder, opposed pistons mounted to reciprocate in the opposite ends of the cylinder and a crankshaft having a crank for each piston, the cylinder having air ports controlled by one piston and exhaust ports controlled by the other piston, a housing mounted over the outer end of each piston and having an air cylinder whereby the outermost face of the outer end of each piston constitutes an air pump, each piston having an air space therewithin, a valve in the outer end of each piston controlling a discharge port from said air space and communicating with the air chamber beyond each piston, and means admitting atmospheric air into the air space in each piston, said engine block having an air passage cast integrally therein and communicating with each of said air cylinders and with said air ports.

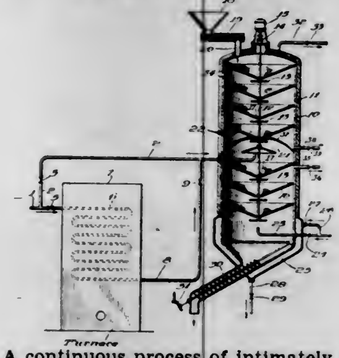
2,079,157
CIRCULATION CONTROL FOR FURNACES
Martin De Lin, Holland, Mich., assignor to Holland Furnace Company, Holland, Mich., a corporation of Michigan
Application October 7, 1935, Serial No. 43,824
2 Claims. (Cl. 237—2)



1. A heating circulating system comprising, a heater, a circulating system for conducting a heating medium from said heater to a space to

be heated, means for inducing circulation of said heating medium in said circulating system, means for automatically causing operation or cessation of said circulation inducing means when said heater is above or below, respectively, a predetermined temperature and means for automatically varying the delivery capacity of said circulation inducing means responsive to temperature changes in the space to be heated.

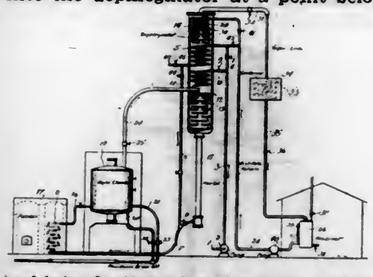
2,079,158
TREATMENT OF HYDROCARBON OILS
Nicholas G. de Rachat, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 28, 1930, Serial No. 498,650
3 Claims. (Cl. 196—96)



2. A continuous process of intimately contacting vapors and an absorbent material and devolatilizing spent absorbent material which comprises introducing said vapors into the intermediate portion of an enclosed zone, introducing steam into the lower portion of said zone, introducing absorbent material into the upper portion of said zone, and centrifugally hurling said material in stages radially from the center of said zone into the ascending vapors and the steam.

2,079,159
PROCESS FOR THE CONVERSION OF PETROLEUM OIL
Carbon P. Dubbs, Wilmette, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Continuation of application Serial No. 587,883, September 13, 1922. This application May 14, 1930, Serial No. 452,199½. Renewed June 27, 1934
5 Claims. (Cl. 196—48)

1. A continuous process for converting petroleum oils, consisting in raising the oil to a cracking temperature in an elongated passageway, passing the highly heated oil to a vapor chamber, vaporizing the oil in said vapor chamber while maintaining a substantial body of oil therein, dephlegmating the evolved vapors, and subjecting them to a final condensing action, returning distillate from the final condensing stage to the dephlegmator to pass through a coil therein as a refluxing medium, discharging said distillate from the coil into the dephlegmator at a point near which the oil vapors are discharged from the dephlegmator, introducing raw oil to the dephlegmator to pass through a coil above the point at which the vapors are introduced to the dephlegmator, and in discharging the raw oil from said coil into the dephlegmator at a point below the



point of introduction of said vapors, and in continuously supplying raw oil and reflux condensate to the elongated passageway for treatment.

2,079,160
CAR DOOR
Carl E. Eklind, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application September 15, 1934, Serial No. 744,113
21 Claims. (Cl. 20—22)

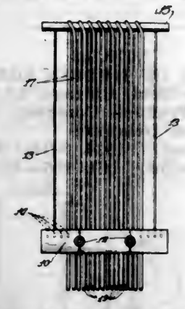


20. In a railway house car having a door opening in the side thereof, shoulders provided on said car side around said opening, a door slidable longitudinally parallel to said car between open and closed positions, said door having upper and lower shoulders extending substantially between the vertical edges of the door and vertical shoulders extending substantially between said upper and lower shoulders, said shoulders provided on said door being disposed in confronting relationship to said first mentioned shoulders in the closed position of said door and sealing means interposed between and engaging said confronting shoulders in the closed position of said door.

2,079,161
WEAVING APPARATUS
Ralph Fisher, New York, N. Y., assignor of one-half to Oregon Worsted Company, Portland, Oreg., a corporation of Oregon
Application September 28, 1935, Serial No. 42,562
2 Claims. (Cl. 139—34)

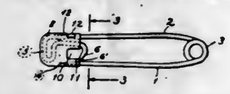
1. A construction of the class described comprising a clamping member having two clamping bars adjustably secured together, one of said bars being provided with a plurality of sockets to receive removably the ends of frame bars; a stretching bar having sockets corresponding with

those in said clamping bar and adapted and arranged to receive the other ends of said frame



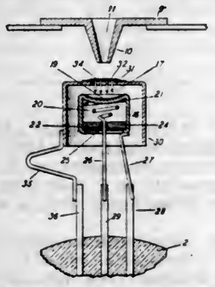
bars; and strands doubled around said holding bar having their ends passing between said clamping bars in substantially parallel relation.

2,079,162
SAFETYPIN
Robert V. Ford, San Francisco, Calif.
Application April 24, 1935, Serial No. 17,956
8 Claims. (Cl. 24—158)



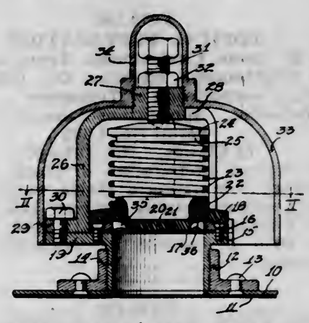
1. A safety pin comprised of two side parts having a spring connection at one end, one of said parts being pointed at an end thereof, and the other part being formed into an inwardly directed loop and relatively straight leg in the same plane with the aforesaid side parts; and a clasp slidably confined on the side part having the loop and leg thereon and being adapted to receive the pointed end of the other side part therein, whereby in one position of the clasp the pointed end of the pin may be opened and in the other position said pointed end is held closed; a projection on one side part engaging a notch in the clasp for holding said clasp in a position against movement and thereby preventing the pointed end of the side part from being opened.

2,079,163
ELECTRON GUN
Bernard C. Gardner, Philadelphia, Pa., and Archibald H. Brolly, Palo Alto, Calif., assignors to Farnsworth Television Incorporated, a corporation of California
Application May 31, 1932, Serial No. 614,500
9 Claims. (Cl. 250—27.5)



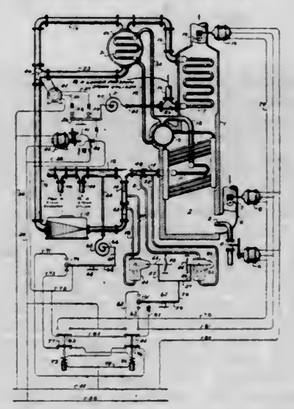
6. A cathode-ray device comprising an envelope, and an anode, the combination with an electron-emitting cathode formed to direct the emitted electrons to a common center, of a control electrode comprising wires disposed in a geometrical surface substantially concentric with said center.

2,079,164
RELIEF VALVE
William N. Glab, Dubuque, Iowa, assignor to Morrison Brothers Company, Dubuque, Iowa, a corporation of Iowa
Application December 6, 1935, Serial No. 53,148
5 Claims. (Cl. 137—53)



1. A valve structure of the character described comprising an annular valve seat, a movable valve cooperatively associated with said seat and having a pocket on its underside disposed inwardly of said seat, a stationary cutting member disposed in said pocket when the valve is seated, and exposed when the valve is unseated, and a deflectable diaphragm below said valve arranged to engage said cutting member when the valve is unseated, whereby said diaphragm is ruptured.

2,079,165
CONTROL SYSTEM
Harvard H. Gorrie, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application May 8, 1931, Serial No. 535,999. Divided and this application May 20, 1935, Serial No. 22,425
10 Claims. (Cl. 60—105)



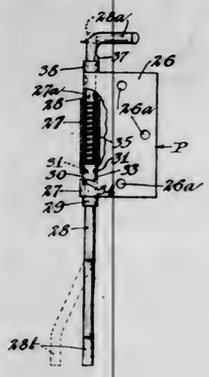
1. In combination, a vapor generating boiler, means for supplying elements of combustion to

the boiler, regulating means for said means, a header connected to the boiler and to which the generated vapor flows, a vapor utilizing apparatus connected to the header for utilizing vapor therefrom, a rate of flow meter for the vapor leaving the boiler, a second meter for the vapor going to the utilizing apparatus, flow ratio determining means adapted to be positioned by said meters, and control means for said regulating means responsive to a departure of said flow ratio determining means from a position indicative of predetermined ratio.

2,079,166
TOPICAL PREPARATION
Irvine W. Grote, Chattanooga, Tenn., assignor to The Chattanooga Medicine Co., Chattanooga, Tenn., a corporation of Tennessee
No Drawing. Application January 31, 1935, Serial No. 4,303
11 Claims. (Cl. 167—63)

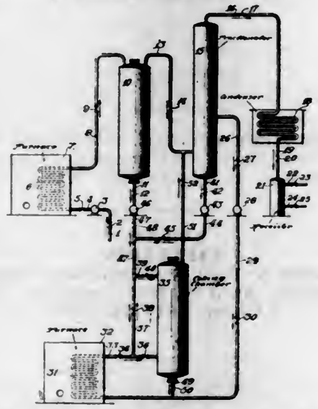
1. A topical preparation of thick, paste-like consistency comprising a stable water emulsion of a soft soap containing not over 10% by weight of the mixture of a free fatty acid, and from 10 to 60% by weight of essential oils and stearoptens.

2,079,167
SASH LOCK AND VENTILATING STOP
Carl E. Hafstad, Minneapolis, Minn.
Application November 1, 1935, Serial No. 47,841
3 Claims. (Cl. 292—60)



1. A window sash stop comprising a tubular element adapted to be mounted in a vertically disposed position on an upper window sash, an elongated member having a portion thereof journaled in said tubular element and vertically slidable therein within limits, a radially projecting stop element carried by said member whereby said member may be rotatively positioned to place said stop element either in or out of the upward path of a lower sash associated with said upper sash, said tubular element having a slot extending circumferentially thereof, a radial element carried by said member and working in said slot, said tubular element having a slot extending vertically from the portion of said circumferential slot wherein said radial element is disposed when said stop element is in said path, and releasable means adapted for retaining said radial element in said vertical slot above the upper limit of said circumferential slot so that movement of said radial element is limited by the width of said vertical slot to prevent rotation of said member to a position wherein said stop element is out of said path.

2,079,168
CONVERSION OF HYDROCARBON OILS
Jacob Benjamin Heid, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 7, 1934, Serial No. 729,357
3 Claims. (Cl. 196—49)

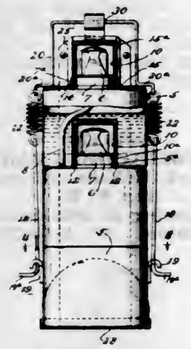


1. In a process for the conversion of hydrocarbon oils wherein hydrocarbon oil charging stock for the process is subjected to conversion conditions of elevated temperature and superatmospheric pressure in a heating coil and communicating reaction chamber, the resulting vaporous conversion products and the residual liquid separated, the vapors subjected to fractionation, whereby their insufficiently converted components are condensed as reflux condensate, fractionated vapors of the desired end-boiling point subjected to condensation and the resulting distillate recovered, the improvement which comprises separating the reflux condensate into selected relatively low-boiling and high-boiling fractions, subjecting the low-boiling fractions to independently controlled conversion conditions of elevated temperature and superatmospheric pressure in a separate heating coil, introducing the resulting products into a coking chamber, commingling said residual liquid and said high-boiling fractions of the reflux condensate with the heated products from said separate heating coil supplied to the coking chamber, the high boiling fractions of the reflux condensate being commingled with the heated products from said separate heating coil prior to their introduction into the coking chamber, and subjecting vaporous products from the coking chamber to fractionation in admixture with said vaporous conversion products.

2,079,169
ARTICLE OF MANUFACTURE AND METHOD FOR MAKING SAME
Albert Hershberger, Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 1, 1934, Serial No. 742,473
8 Claims. (Cl. 106—40)

4. A pellicle of regenerated cellulose having incorporated therein a substantial quantity of a colorless, water-soluble aluminate, said pellicle being characterized by its resistance to staining when placed in contact with cork.

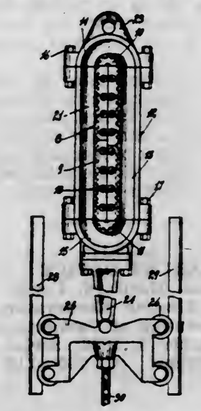
2,079,170
HIGHWAY FLARE
James H. Horsley, Chicago, Ill., assignor to Shanklin Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 10, 1936, Serial No. 63,107
4 Claims. (Cl. 67—55)



1. A plurality of superimposed flares, each including a container body having an upwardly projecting wick carrying burner, and a closure cap detachably connected to the burner and engaging the top of the container body for sealing the burner from atmosphere, predetermined container bodies each having their bottoms formed with a re-entrant cavity for receiving the burner and cap of the next lower flare, whereby said flares may be nested in a stack, with the burner and enclosing cap of each lower flare projecting into the cavity of the body of the next upper flare, and yieldable means for maintaining said flares in nested relation, said yieldable means comprising a pair of hangers, having finger engaging portions formed at their lower edges, and means coacting with the lowermost container body for detachably holding the flares in nested position, and a bail extending over and engaging the body of the uppermost flare, having its lowermost portions secured to the upper portions of said hangers by coil springs.

2,079,171
RECIPROCATING GEAR MECHANISM
Conard Warren Huffman, Lynwood, Calif., assignor of twenty-five per cent to Van Lyman Denton, San Gabriel, Calif.
Application June 9, 1934, Serial No. 729,845
Renewed September 25, 1936
9 Claims. (Cl. 74—30)

1. A reciprocating gear mechanism comprising a pinion, drive means for said pinion, an externally cut elongated gear, said pinion meshing with said gear, a gear frame, means detachably securing the elongated gear to the gear frame, said gear frame having an elongated box trackway formed therein, a trunnion projecting from the pinion into the trackway whereby the pinion is held in constant mesh with the elongated gear,



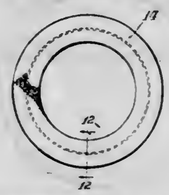
and guide means whereby the gear frame is held against twisting movement.

2,079,172
PLATEN PRINTING PRESS
Lawrence R. Johnson and Alexander Black, Cleveland, Ohio, assignors to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Application February 28, 1934, Serial No. 713,290
14 Claims. (Cl. 101—338)



1. In a platen printing press, the combination with the ink disk of means for rotating said disk in a clockwise or counterclockwise direction, and means for changing at will the direction of rotation of said disk.

2,079,173
ENDLESS CLUTCH FACING AND METHOD OF MANUFACTURE OF THE SAME
Morton F. Judd, Stratford, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application October 3, 1934, Serial No. 746,707
8 Claims. (Cl. 154—2)

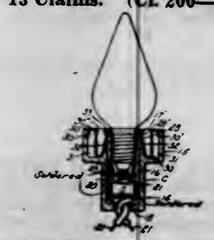


1. A method of making friction clutch rings which comprises, forming a cylinder of textile material comprising essentially asbestos yarn,

folding said textile material along a circumferential line, flattening the folded cylinder to form an annular ring so as to dispose the edges on one flat surface intermediate the inner and outer defining edges of the ring and curing the ring thus formed.

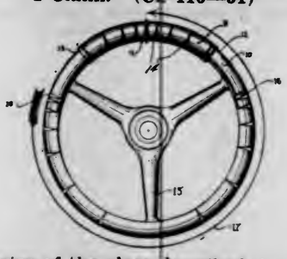
8. An endless friction ring of greater width than thickness comprising a unitary piece of braided asbestos cloth folded along a circumferential line to form a plurality of plies, the facing being frictioned with a binder and cured, and the circumferential edges of said plies being disposed intermediate the width of the ring.

2,079,174
SHUNT DEVICE
Robert A. Kamm, Hartford, Conn., assignor to The Nofade Electric Corporation, Hartford, Conn., a corporation of Connecticut
Application October 8, 1936, Serial No. 104,641
13 Claims. (Cl. 200—118)



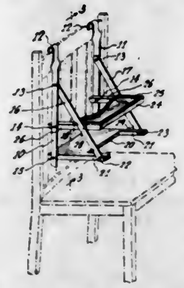
12. In combination, an insulated lamp casing having a longitudinally disposed open end cavity terminating in a counterbore, an enlarged portion at the open end of the casing, a lamp receiving receptacle adapted to threadably receive an electric lamp, a flange on the receptacle journalled in the counterbore, spaced radially extending ratchet teeth on said flange, means removably securing the flange in rotatable position, a hollow shunt member within the lower end of the cavity and containing loose metallic particles, means rigidly securing the shunt to the receptacle and electrically connecting it in parallel relation therewith, the enlarged portion of the casing having a recess, and a spring within said recess resiliently engageable with the ratchet teeth whereby a lamp may be screwed into the receptacle and operate the ratchet to upset the position of the metallic particles within the shunt.

2,079,175
DIRECTIONAL INDICATOR FOR MOTOR VEHICLES
Paul D. Kemp, Portland, Oreg.
Application April 18, 1936, Serial No. 75,126
1 Claim. (Cl. 116—31)



In a device of the class described, in combination with a motor vehicle having instrumentalities disposed in the line of vision of the driver of the vehicle and disposed upon the front end of the vehicle and between the front end of the vehicle and the steering wheel, comprising a graduated shield removably secured to the rim of the steering wheel with the center of the shield being placed at the high point of the steering wheel when the vehicle is being driven in a straight line either in a forward direction or in a reverse direction with graduations being disposed at each side of the central portion of the shield and uniformly increasing in spaced relation relative to each other and graduations disposed upon the rim of the steering wheel uniformly decreasing in spaced relation from a point opposite to that of the central portion of the shield disposed upon the rim of the steering wheel and said graduations disposed upon the steering wheel ending at the high point of the steering wheel when the steering wheel is cramped to full cramped position and when turned either to the right or to the left.

2,079,176
PORTABLE COLLAPSIBLE BABY'S CHAIR
William Patrick McNally, Glenwood Landing, N. Y.
Application December 30, 1936, Serial No. 118,283
3 Claims. (Cl. 155—79)



1. A device of the class described comprising a pair of side brackets adapted to be suspended from a chair back, a table panel pivotally mounted on said brackets intermediate their length, lugs extending from the sides of said table panel, links pivotally secured at one end to said brackets at a point above said table panel, a seat panel pivotally mounted on the lower ends of said links, a rod bridging the lower ends of said brackets, said seat panel having a groove on its lower side, said rod registering in said groove to support said seat panel in horizontal position, said lugs resting on said links to support said table panel in horizontal position.

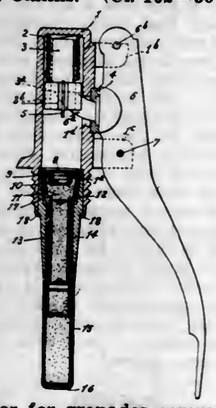
2,079,177
CONTAINER OF TRANSPARENT CELLULOSE FILM
Louis E. Membrino, Upper Darby, Pa.
Application December 16, 1935, Serial No. 54,563
1 Claim. (Cl. 229—3.5)

The combination of a flimsy hollow cylindrical-like container comprising a cylindrical tube of transparent cellulose film, a disc-like member having a peripheral flange interfitting within one end of said cylindrical tube so that the lowermost edge of the film is flush with the bottom of said disc-like member whereby the container will stand erect, said flange having its outer surface in engagement with the lower interior surface of the film, said disc-like member being of substantially greater weight than the cylindrical container film so that the device will stand erect, and said interfitting and flanged disc mem-



ber making the bottom of said container non-sifting, air-tight, and non-transparent.

2,079,178
IGNITER FOR GRENADES
André Valère Adrien Mortreux, Mulhouse, France, assignor to Société Alsacienne d'Explosifs (Société à Responsabilité Limitée) à Richwiller, Haut-Rhin, France
Application February 12, 1935, Serial No. 6,169
In France April 10, 1934
4 Claims. (Cl. 102—36)

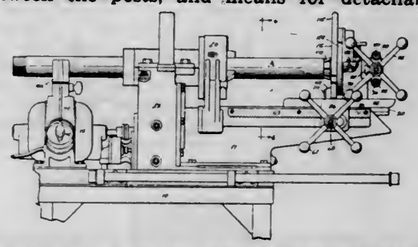


1. An igniter for grenades comprising: a mechanical part and a pyrotechnical part entirely independent and connected only at the time of assemblage, the pyrotechnical part including a fluid-tight casing, a delay-carrying element within this casing, two sets of conical surfaces provided at the upper part of the casing and of the delay-carrying element, respectively, and a cover made of waterproof and malleable material beaded between both sets of conical surfaces.

2,079,179
PIPEWORKING MACHINE
Robert B. Pealer, Warren, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application December 26, 1935, Serial No. 56,145
3 Claims. (Cl. 10—87)

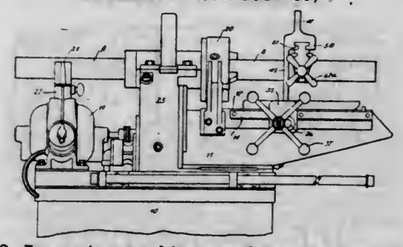
1. The combination of a frame, a rotatable chuck carried thereby, a movable carriage on the frame, a pair of posts rigidly supported by the carriage standing respectively in front of and behind the chuck axis sufficiently to allow the passage of the pipe between the standards, a ring

carrying tools adapted to engage a pipe extending between the posts, and means for detachably



mounting it on the two posts at opposite regions substantially diametrally of the ring.

2,079,180
PIPE CUTTING MACHINE
Robert B. Pealer, Warren, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application April 11, 1936, Serial No. 73,898
12 Claims. (Cl. 164—60)

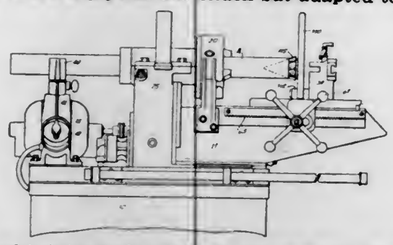


12. In a pipe-working machine, the combination of a frame, a chuck rotatably mounted on said frame, a carriage slidably carried by said frame, a pair of upright posts carried by said frame and adapted to stand on opposite sides of a pipe carried in said chuck, a pair of horizontally extending heads mounted on respective posts, T slots in said heads in alignment with each other and opening downwardly, a pipe-cutting tool adapted to be slidably carried in the T slots comprising a stock having two pairs of parallel channels extending lengthwise of the stock, one of said pair of channels cooperating with the T slots to support said pipe cutter, a member movable on said stock supported by the other pair of channels, an arm at one end of the stock and rigid therewith, a post on the opposite end of said stock and rigid therewith, a threaded member engaging the post just mentioned and operatively secured to said movable member, and a pipe cutting wheel and a pair of pipe-bearing rollers carried by said movable member and said arm and adapted to be moved toward each other by said threaded member.

2,079,181
MACHINE FOR REAMING AND BEVELING PIPE
Robert B. Pealer, Warren, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application April 29, 1936, Serial No. 77,011
9 Claims. (Cl. 82—2)

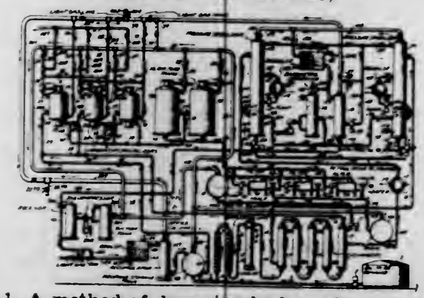
1. The combination of a frame, a rotary chuck carried thereby, a carriage slidably carried by the frame, a hand lever on the carriage, a reaming tool carried by the hand lever, said hand lever being freely pivoted so that it will normally drop

by gravity into a position out of the range of and below a pipe in the chuck but adapted to be



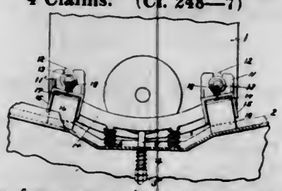
brought into such range by movement of the hand lever.

2,079,182
METHOD OF CHILLING SOLUTIONS
Earl Petty and Karl Finsterbusch, New York, N. Y., assignors, by mesne assignments, to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application November 6, 1933, Serial No. 696,769
6 Claims. (Cl. 196—18)



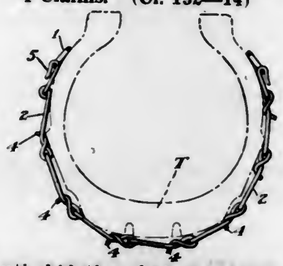
1. A method of dewaxing hydrocarbon oils including the steps of dissolving a hydrocarbon oil in a liquefied, normally gaseous solvent, cooling the solution by evaporating a portion of the solvent by reducing the pressure on the solution, obtaining a further decrease in temperature of the solution without a further reduction in pressure thereon by introducing a gas of lower boiling point than the solvent gas into the cooling zone to permit an operation of Dalton's law whereby the desired wax precipitating temperature is obtained, permitting wax to precipitate and separating precipitated wax from the solution.

2,079,183
AUTOMOBILE MOTOR ATTACHMENT
Louis G. Rondelle, San Francisco, Calif.
Application September 25, 1931, Serial No. 565,013
4 Claims. (Cl. 248—7)



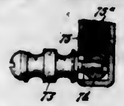
1. Means for overcoming objectional vibration in an automobile having an engine mounted over a chassis frame which comprises a pair of brackets adapted to attach to the forward lower corners of the engine assemblage, a block of resilient rubber in a pocket formed in each bracket adapted to fit within the front cross member of the chassis frame, said blocks of rubber having their sides exposed so as to contact a vertical wall of said member.

2,079,184
TIRE CHAIN
John D. Ross, Brewer, Maine
Application September 10, 1934, Serial No. 743,385
4 Claims. (Cl. 152—14)



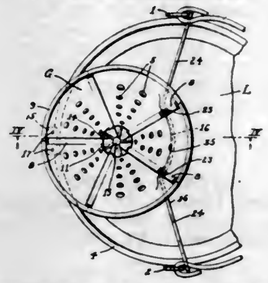
3. An anti-skid tire chain comprising a plurality of connected links each formed from a single length of wire bent into substantially U-shape to provide a pair of spaced side portions and a cross portion at one end of the link connecting said side portions together, the terminal part of each side portion being bent to form at the other end of the link a spring eye, the pair of eyes of each link accommodating the cross portion of the next adjacent link, the under portions of said eyes being disposed below the plane of the side portions and constituting road engaging surfaces, the terminal part of each side portion continuing from its related eye upwardly across one side of the same side portion and thence downwardly across the other side of the same side portion and terminating in a downwardly directed road engaging spur the free end of which is disposed normally below the plane of the bottoms of the eyes, whereby said spurs are supported laterally by said shank portions and are free to move upwardly relatively thereto against the spring action of said eyes upon encountering an obstruction in the road and are returned to their normal road engaging positions by the spring action of said eyes after the obstruction has been passed.

2,079,185
ROLLER SKATE
Erwin J. Schmidt, Chicago, Ill., assignor to Allied Engineering Company, Chicago, Ill., a corporation of Illinois
Application March 5, 1934, Serial No. 714,135
12 Claims. (Cl. 208—179)



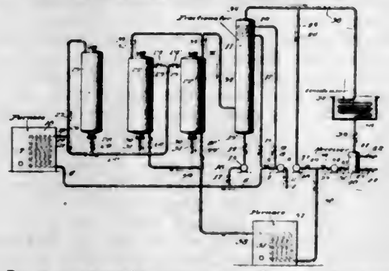
1. In a roller skate, the combination of a foot plate, a bracket depending from said plate comprising two spaced uprights, an axle member engaging said uprights near their lower ends so as to swing and to move vertically with respect thereto and having shoulder means adapted by engagement with face portions of said uprights to prevent extensive swinging movement of the axle member, a compressible member located between said uprights and holding said axle member yieldingly in its lowermost position, and a supporting wheel on said axle closely adjacent to said standard.

2,079,186
MOP WRINGER
Solomon Schulman, New York, N. Y.
Application May 5, 1934, Serial No. 724,009
6 Claims. (Cl. 15—263)



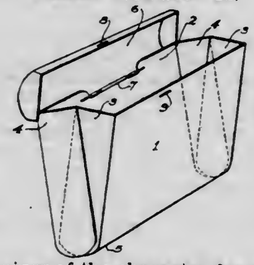
1. In combination, a pail, a mop wringer cup mounted within the pail with one side of the cup engaging against an edge surface portion of the pail in supported relation, said cup and pail being proportioned and arranged to provide a space between the cup and a wall of the pail through which a mop of the type to be wrung in said cup may be dipped into the pail at the opposite side of the cup, and a pair of arms fixed to the cup and extending in opposite directions therefrom into supported engagement with the pail at points spaced from the point of engagement between the cup and the pail, and said arms extending in divergent relation to each other the angle of divergence corresponding substantially with the angle defined by a pair of straight lines which would touch all of the bail ears of a plurality of pails progressively increasing in size if said pails should be nested together with their rims touching each other midway of the ears.

2,079,187
TREATMENT OF HYDROCARBON OILS
Jean Delattre Seguy, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 30, 1932, Serial No. 608,516
8 Claims. (Cl. 196—60)



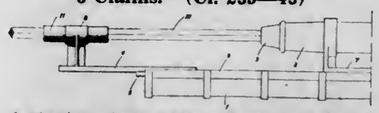
1. In a conversion process wherein hydrocarbon oil heavier than gasoline is subjected to cracking conditions of temperature and pressure in a heating coil and subsequently separated into vapors and unvaporized oil, and the unvaporized oil distilled to coke in a coking zone; the method which comprises fractionating said vapors in a fractionating zone to separate fractions heavier than gasoline from the gasoline boiling hydrocarbons, passing a portion of the gasoline boiling hydrocarbons in vapor form from the fractionating zone to a final condenser and condensing the same therein, collecting this condensed portion of the gasoline boiling hydrocarbons as a product of the process, passing the remaining portion of the gasoline boiling hydrocarbons from the fractionating zone to a second heating coil maintained at higher temperature than the first-named coil and heating the same therein sufficiently to enhance the anti-knock value thereof, and discharging the heated products from the second coil into contact with the unvaporized oil in the coking zone to assist the coking of the unvaporized oil therein.

2,079,188
CONTAINER
Edwin Sherman, Alton, Ill., assignor to Ralph E. Marshall, Alton, Ill.
Application March 6, 1935, Serial No. 9,548
7 Claims. (Cl. 206—41)



1. A container of the character described, comprising, a casing formed of a single piece of sheet material folded to provide stiff enclosing walls, unconnected at the sheet edges but with substantially closed joints adapted to retain loose material, and means rendering said casing expansible for access to the interior thereof.

2,079,189
STARTER-STEEL GUIDE FOR AIR DRILLING TOOLS
Jesse J. Simpson, Frank M. Simpson, and Delbert Simpson, Jackson, Calif.
Application August 17, 1936, Serial No. 96,442
3 Claims. (Cl. 255—45)

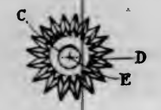


1. A starter-steel guide attachment for a drilling machine comprising a base plate adapted to be removably mounted on and project forwardly from the guide shell of the machine, a cradle rigid with and upstanding from the plate in position such that it will axially aline with a starter steel mounted in the machine and being slit along the top to a width sufficient to pass the steel therethrough, and a sleeve adapted to fit about the steel fitted in the cradle and removable from one end thereof.

2,079,190
CUTTER FOR TUBE CLEANERS
Harrison L. Staley, Martinsville, Ind.
Original application July 20, 1933, Serial No. 681,257. Divided and this application February 2, 1935, Serial No. 4,595
1 Claim. (Cl. 15—104.14)

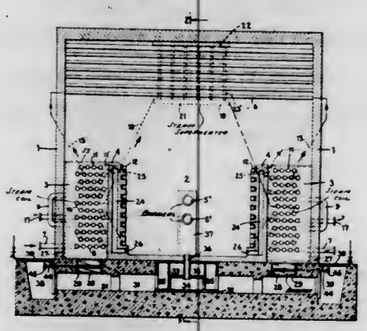
A tube-cleaning cutter for use in that type of cleaning device wherein the cutter is mounted to revolve around an axis and is also mounted to rotate about its own axis for rolling and chopping

engagement with tube deposit, said axes being substantially parallel, the cutter comprising a cylindrical body with a round centrally located axle hole and a series of peripheral chopping teeth spaced around its axis and extending longitudinally of the cutter axis along the full width of the periphery of the cutter for radial penetration of the tube deposit, characterized in that the teeth are of V-shaped profile, the opposite sides of each of said teeth being of equal extent and converging outwardly to form a cutting edge, their crests are equidistant from the axis of the



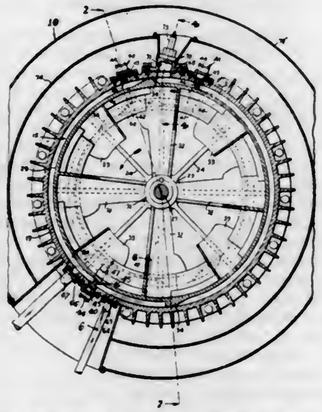
cutter, the included angle of the tooth profile is the same in all of the teeth in the series, the profile of each tooth is symmetrical with respect to a radius from the axis of rotation of the cutter, and the pitch of the tooth crests and the depth of the teeth of the series both increase progressively and uniformly from one point on the periphery of the cutter in opposite directions around the periphery to a diametrically opposite point, whereby the base circle of said teeth is eccentric with respect to said axle and said cutting edges.

2,079,191
HEATING APPARATUS AND METHOD
Donald L. Thomas, New York, N. Y., assignor to Gasoline Products Company, Incorporated, Newark, N. J., a corporation of Delaware
Application September 13, 1933, Serial No. 689,253
9 Claims. (Cl. 196—116)



3. The method of heating a plurality of separate continuous streams of hydrocarbon oils passing through heat absorbing tubes in a heating apparatus having a plurality of convection heating chambers separated from a combustion chamber by a plurality of bridge walls which comprises, producing hot products of combustion for the combustion chamber, passing a separate stream of oil through heat absorbing tubes positioned upon each of the bridge walls separating the combustion chamber from the convection chambers and heating each stream during its flow therethrough preponderantly by radiant heat from the hot products of combustion, passing each of said streams of oil through separate heat absorbing tubes in separate convection heating chambers, distributing a portion of the hot products of combustion after passing through the combustion chamber over the bridge walls to each of said separate convection heating chambers, heating the stream of oil passing through heat absorbing tubes in each convection heating chamber by the portion of hot products of combustion distributed thereto and imparting more heat to one of the streams of oil passing through the heat absorbing tubes in one of the convection heating chambers relative to another by varying the quantity of the hot products of combustion distributed to each of the separate convection heating chambers for the oil streams in question.

2,079,192
ROTARY ENGINE
Lucius Forest Upshaw, Jr., Pasadena, Calif.
Application August 6, 1935, Serial No. 34,906
10 Claims. (Cl. 123—14)

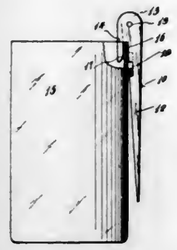


4. In an engine, a housing having an inwardly opening circular groove therein, a shaft, a rotor on said shaft, said rotor on each side of said circular body portion having rims, said rotor having a pair of diametrically opposed vanes thereon extending into said chamber, three abutments in spaced circumferential relation in said housing, each of said abutments including a portion projecting into said chamber, said abutments each including a pair of spaced arms, said arms being pivotally mounted in said housing, said arms being disposed one at each side of said chamber, three pairs of cam rings mounted on said rims, the inner pair of said cam rings having cam surfaces thereon engaging one of said pair of arms, the intermediate pair of said cam rings having cam surfaces thereon engaging another of said pair of arms, and the outer pair of said cam rings having cam surfaces thereon engaging the third pair of arms, said housing having an exhaust outlet and also having a fuel inlet adjacent one of said pivoted abutments, said other two abutments being arranged adjacent each other and remote from the one abutment, said housing having a by-pass chamber between said two abutments and a spark plug in said by-pass chamber.

2,079,193
SANITARY FRUIT PICK
Louis Bernard Wigen, Minneapolis, Minn.
Application February 20, 1936, Serial No. 64,978
4 Claims. (Cl. 294—61)

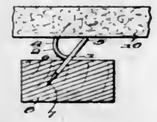
1. A pick of the class described, comprising a flat tapered body, and the wider end of said body having an enlargement extending from the side

edge thereof and in the same plane as said body and provided with a notch forming a hook for



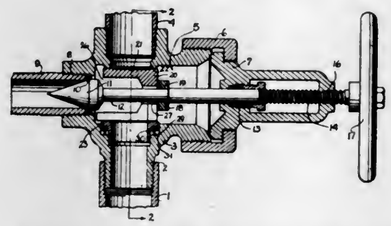
supporting engagement on the edge of a tumbler or the like.

2,079,194
FASTENING DEVICE
Frederick W. Williams, Honolulu, Territory of Hawaii
Application July 3, 1936, Serial No. 88,869
10 Claims. (Cl. 72—118)



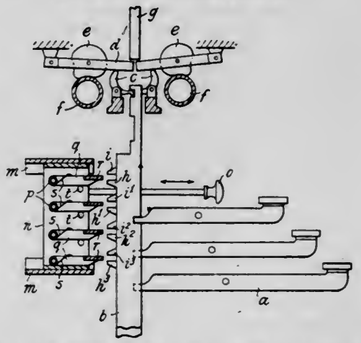
6. A fastener for connecting wall boards and the like to a support, including a portion for securing the fastener to the support, and a prong rigid with said portion adapted to penetrate the board at an angle to its inner face, said portion being bendable by the board for causing the prong during penetration of the board to change its angular position with respect to the inner face of the latter.

2,079,195
COMBINATION VALVE AND CHOKE
John Richard Yancey, Houston, Tex., assignor to Gray Tool Company, Houston, Tex., a corporation
Application December 19, 1933, Serial No. 703,043
12 Claims. (Cl. 277—12)



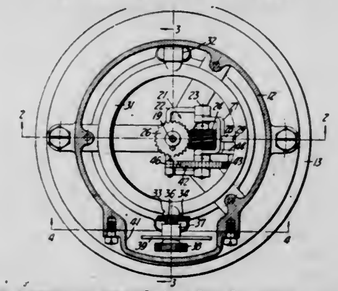
1. A device of the character described, including a flow tubing, a valve housing thereon, a lateral outlet from said housing, a seat in said outlet, a tapered choke valve movable to and from said seat, a stem on said valve, an upper outlet in said housing, a gate valve movable to and from said upper outlet, said gate valve being movable through the movement of said choke valve and stem, said choke valve being adjustable relative to its seat independently of said gate valve.

2,079,196
TYPOGRAPHICAL COMPOSING MACHINE
Christian Augustus Albrecht, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York
Application January 6, 1936, Serial No. 57,865
In Germany January 29, 1935
5 Claims. (Cl. 199—18)



1. In a typographical composing machine, the combination of a plurality of space-matrix releasing devices, a corresponding plurality of groups of character-matrix releasing devices, and means associated with each such group and with a respective space-matrix releasing device adapted to effect the actuation of said space-matrix releasing device through the actuation of any one of the character-matrix releasing devices of the respective group.

2,079,197
ACCURACY REGULATOR
Charles P. Bergman, San Francisco, Calif., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application July 11, 1934, Serial No. 734,626
10 Claims. (Cl. 73—233)



1. An accuracy regulator for forming an operative drive connection between the rotating shaft of a fluid meter and the aligned rotatable shaft of a register, where the meter has a range of inaccuracy for which correction is desired, an arm secured to one of the shafts, means including a rotatable gear carried by the arm, said last means serving to form a continuous motion-transmitting positive connection between the arm and the other shaft, the gear, when stationary with respect to the arm, serving to lock the shafts together for unison rotation, a single oscillatable member pivotally carried by the arm, ratcheting means for positively converting oscillating movement of said member to rotating movement of the gear, means for applying oscillating movement to said

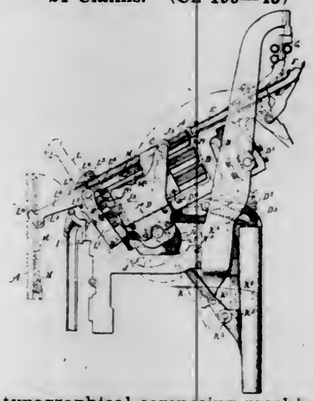
member in response to rotation of the meter shaft, and fixedly adjustable means including a cooperating scale and pointer for varying the amplitude of said oscillating movement.

2,079,198
DISTRIBUTING MECHANISM OF TYPOGRAPHICAL COMPOSING MACHINES
William Morris Bower, Romford, England, assignor to Linotype and Machinery Limited, London, England
Application December 28, 1935, Serial No. 56,436
In Great Britain December 31, 1934
4 Claims. (Cl. 199—33)



1. In or for a typographical composing and distributing machine, a distributor bar of the standard seven-rib variety, said bar having a plurality of pairs of ribs of a given depth and one pair of ribs of a greater depth.

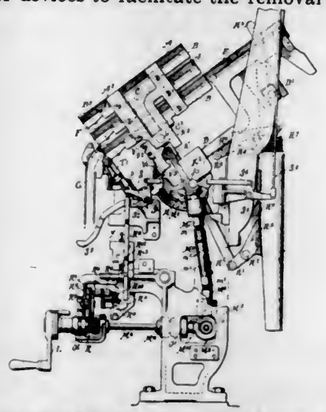
2,079,199
TYPOGRAPHICAL MACHINE
Harold A. Burt, St. Albans, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application December 14, 1935, Serial No. 54,403
24 Claims. (Cl. 199—45)



1. A typographical composing machine including, in combination, a plurality of superposed matrix magazines, a shift frame including relatively fixed individual base frames underlying the magazines and whereon the magazines are removably mounted, and devices common to all the magazines and movably mounted on the main frame of the machine for supporting a selected magazine during its removal from and replacement on the corresponding base frame.

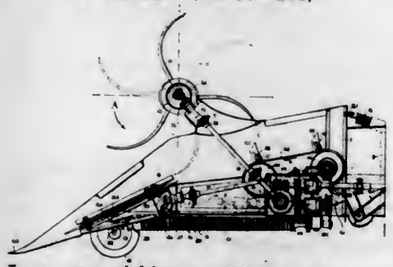
2,079,200
TYPOGRAPHICAL COMPOSING MACHINE
Harold A. Burt, St. Albans, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application December 30, 1935, Serial No. 56,681
19 Claims. (Cl. 199—20)

1. A typographical composing machine including, in combination, a plurality of superposed magazines, a shift frame wherein the magazines are removably mounted, a supporting frame wherein the shift frame is mounted and movable to locate a selected magazine clear of the assembler devices to facilitate the removal thereof,



means mounted in the supporting frame for moving the shift frame to locate one or another of the magazines in operative position, and mechanism mounted in a fixed part of the machine for operating said means.

2,079,201
MAIZE HARVESTING MACHINE
Arnaldo Carpineti, Buenos Aires, Argentina
Application May 26, 1933, Serial No. 673,052
Renewed September 22, 1936
2 Claims. (Cl. 56—104)

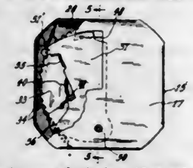


1. In a corn picking machine a main driving shaft, chains having prongs thereon for pushing the stalks of corn into the machine, connections with the main driving shaft operating said chains, corn picking rollers arranged in pairs and connections with the main driving shaft rotating the said rollers of each pair in opposite directions, a member at the rear end of said rollers sloping upwardly toward the rear, pulleys driven by the main shaft and an idle pulley located above the line of intersection of each pair of rollers at a substantial distance from the rear end of the rollers, a belt mounted on and driven by said pulleys whereby the ears of corn are carried over said sloping member.

2,079,202
COIN REGISTERING TOY BANK
Matteo De Cesare, Jersey City, N. J., assignor to Behrend & Rothschild, New York, N. Y.
Application December 18, 1935, Serial No. 54,969
2 Claims. (Cl. 232—4)

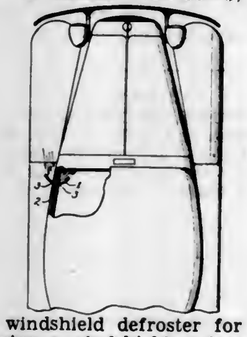
1. In a coin bank having a substantially rectangular casing provided with a coin entrance slot in one of its narrow sides, a rotatable disc

having a raised annular bead concentric its axis, provided with a single transverse slot, and means to advance said disc upon the entrance of each consecutive coin step by step, a cover secured to said casing, said cover having an opening for the recovery of entered coins, a lever pivoted to said cover to act as a shutter for the cover open-



ing, a spring to maintain the shutter in closed position, a guard integral with said cover to prevent the shutter from being laterally displaced, and a detent on said shutter to ride on said disc bead thereby retaining the shutter in fixed position until engaged by the slot in the bead of said disc.

2,079,203
WINDSHIELD DEFROSTER
Carl F. Fagerburg, Chicago, Ill.
Application February 28, 1936, Serial No. 66,196
3 Claims. (Cl. 98—2)



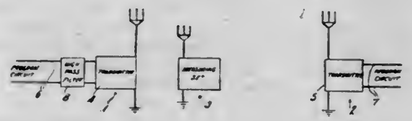
1. In a windshield defroster for use with a vehicle having a windshield and a side window which may be opened by moving the side window glass rearwardly, a deflector which causes a current of air to be created by movement of the vehicle and which directs that current of air onto the windshield, said deflector comprising a unitary, relatively thin-walled, curved member, and means for mounting said deflector upon the front vertical edge of a side window glass of the vehicle with which it is used in order that said deflector may be adjusted by moving the side window glass.

2,079,204
GAME TIME INDICATOR
Elmer E. Foster, Dallas Center, Iowa
Application June 18, 1935, Serial No. 27,194
12 Claims. (Cl. 161—17)



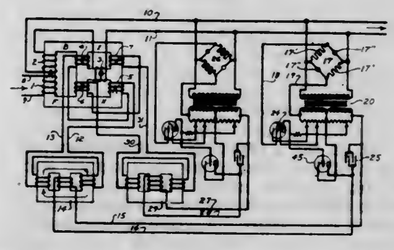
1. In a game time indicator, a pair of timing devices, a first one to indicate playing periods of time and a second one to indicate time-out periods, control means for said timing devices operable to cause operation of the first timing device and render the second one inoperative or vice versa and means operated by the first timing device after a predetermined degree of operation thereof to automatically cause the first timing device to become inoperative and the second one to start operating.

2,079,205
APPARATUS AND METHOD FOR DETERMINING FIELD STRENGTH
Glenn D. Gillett, Englewood, N. J.
Application March 2, 1935, Serial No. 9,113
13 Claims. (Cl. 250—1)



1. The method of making field strength determinations of two radio stations normally operating simultaneously upon substantially the same frequency and having overlapping fields which comprises operating said stations upon slightly different carrier frequencies, receiving and detecting the carrier frequencies from both stations thereby producing an audio frequency beat-note, determining the resultant of the field strengths of both stations, and determining the field strength of the weaker station by measuring the amplitude of the beat-note only caused by the frequency difference of the stations.

2,079,206
VOLTAGE REGULATING EQUIPMENT
Joseph W. Graff, Homewood, and Samuel J. Spurgeon, Birmingham, Ala., assignors of one-third to Southern States Equipment Co., Birmingham, Ala.
Application November 22, 1935, Serial No. 51,020
6 Claims. (Cl. 171—119)



1. Voltage regulating equipment comprising an incoming exciting circuit, an outgoing circuit, a closed magnetic path surrounded by the said exciting circuit, one portion of the said path consisting of two branches joined together at both ends, a cross-path connecting the mid portions of the said branches, a regulating winding surrounding the said cross-path and connected in series with the outgoing circuit, together with means to change the relative direction of magnetic flux in the said cross path.

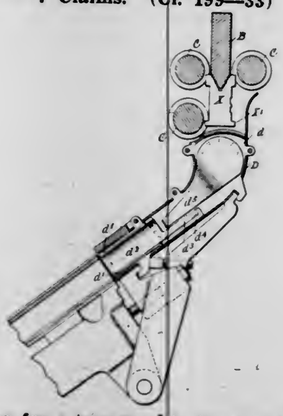
2,079,207
STORAGE BATTERY PLATE
Harold Hibbert, Montreal, Quebec, Canada, and Willard L. Reinhardt, Shaker Heights, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
No Drawing. Application October 1, 1934, Serial No. 746,408
6 Claims. (Cl. 136—26)

1. Material for use in making storage battery plates comprising lead compound having mixed therewith a lignin derivative prepared by the extraction of lignin with an hydroxyl-containing organic compound.

2,079,208
STORAGE BATTERY PLATE AND METHOD OF MAKING THE SAME
Harold Hibbert, Montreal, Quebec, Canada, and Willard L. Reinhardt, Shaker Heights, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
No Drawing. Application October 1, 1934, Serial No. 746,409
3 Claims. (Cl. 136—26)

1. A lead compound for storage battery plates having an activating material incorporated therein composed chiefly of alkali lignin.

2,079,209
TYPOGRAPHICAL MACHINE
John H. Hilpman, Springfield Gardens, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application December 14, 1935, Serial No. 54,399
7 Claims. (Cl. 199—33)



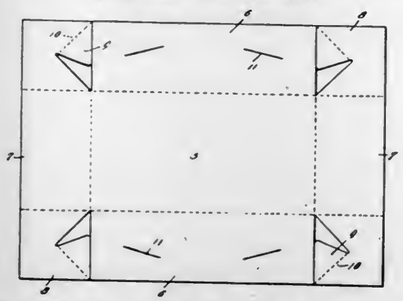
1. In or for a typographical machine for handling matrices formed at their upper and lower ends on opposite edges with projecting ears, a matrix distributing chute or channel presenting opposite side walls for guiding the matrices by their side faces and provided at its discharge end with flanges capable of engaging both the upper and lower ears on both edges of the matrices in order to maintain the matrices in a definite predetermined position before they are discharged, and means in advance of the flanges presenting a long cam surface for engaging the projecting ears on one of the edges of the matrices to shift the matrices to the proper sidewise position before the projecting ears on the opposite edges of the matrices engage their cooperative flange, and flexible means to hold the matrices from tilting as they are shifted sidewise.

2,079,210
PHENOL-ALDEHYDE CONDENSATION PRODUCTS
Herbert Hönel, Vienna, Austria, assignor to Helmuth Reichhold, Detroit, Mich., doing business as Reichhold Chemicals
No Drawing. Application December 20, 1934, Serial No. 758,502. In Austria and Germany August 30, 1932
6 Claims. (Cl. 260—4)

1. A hardenable resinous condensation product capable of yielding gelatinous insoluble masses if reacted with less than a certain minimum proportion of oil; which condensation product is obtained by compounding an excess of formaldehyde over the equi-molecular quantity with a monohydric phenol which carries an aralkyl hydrocarbon radical as substituent, said phenol having only two of the reaction favorable positions unoccupied and complying with the rule that at least three saturated carbon atoms are present in the molecule, a benzene ring carrying no hydroxy group being equivalent to one saturated carbon atom, carbon atoms of methyl groups in meta-position to phenolic hydroxy groups not being calculated in this number, the substituents which may be present in the molecule being selected from the group consisting of saturated hydrocarbon radicals and chlorine.

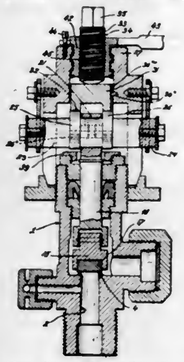
4. An artificial mass obtained by reacting the condensation product according to claim 1 with a drying oil.

2,079,211
PAPER RECEPTACLE
John D. Hrdlicka and Anton L. Holecek, Chicago, Ill.; said Holecek assignor to said Hrdlicka
Application April 26, 1935, Serial No. 18,438
1 Claim. (Cl. 229—35)



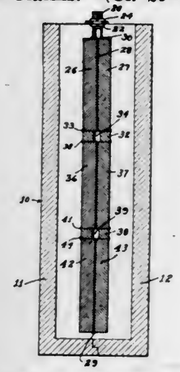
In a flexible article of the character stated; means for securing a pair of side walls together at their ends, one of said end portions having a slit therein, the other end portion provided with a substantially square-shaped area for overlapping the slit end portion, said area having its edge formed with a substantially V-shaped notch therein at the edge portion adjacent said slit end portion, said V-shaped notch having one side thereof on the diagonal extending from one free corner of the area to the inner end of the side edge merging with the slit end portion, the other side of the V-shaped notch extending inwardly from substantially the mid-point of said diagonal to a point on said side edge of the area inwardly of a line drawn transversely through the area at the apex of said V-shaped notch, the remaining portion of the edge portion of the area adjacent the slit end and within the confines of the notch and other diagonal being bendable on the last-mentioned diagonal to permit insertion of the outer end portion of the area through the slit.

2,079,212
VALVE
Joseph Humblet, Brussels, Belgium
Application July 17, 1934, Serial No. 735,683
In Belgium and France July 17, 1933
7 Claims. (Cl. 251—163)



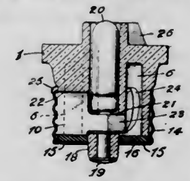
3. A valve of the type in which the opening is quickly obtained, comprising a valve proper, a valve driving rod, a movable stop, means adapted to be brought in engagement with and moved away from said stop for moving said rod and thereby applying the valve proper on its seat when moved in one direction and allowing said valve proper to move away from said seat when moved in the opposite direction, means for slowly moving said stop, said means in the form of a small pitch screw, a large pitch screw carrying said small pitch screw for quickly moving said stop, means for operating the small pitch screw and means for operating the large pitch screw.

2,079,213
METHOD OF MAKING LAMINATED METAL
Stephen L. Ingersoll, Chicago, Ill., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 23, 1934, Serial No. 754,462
9 Claims. (Cl. 29—189)



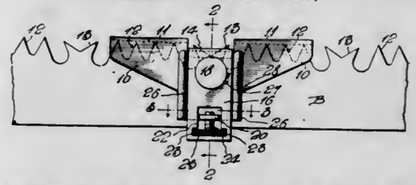
1. The method of forming a composite metal ingot, comprising the steps of inserting a separating material between opposed broad faces of paired metal slabs of a plurality of paired metal slabs, sealing certain edges of said pairs by welding corresponding edges of the slabs therein together and leaving other edges unsealed, arranging said pairs of slabs in a common plane with their unsealed edges in opposed relation, coupling said pairs together by means of sealing members disposed between the opposed edges, and casting molten metal of different characteristics than the slab metal entirely about said slabs.

2,079,214
INDICATING FUSE
Leroy A. Kauffman, Washington, D. C., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C., a corporation of Delaware
Application June 5, 1936, Serial No. 83,756
8 Claims. (Cl. 200—121)



1. A fuse unit comprising a shell, contact terminals carried by said shell, a fuse link, a removable locking key, a resistor carried by said key, a glow lamp indicator having one of its leads connected to one of said contact terminals and the other of said lamp leads being connected through said resistor to the other of said contact terminals.

2,079,215
RAKER-TOOTH GAUGE
Charles R. Kenney, Brewer, Maine
Application March 13, 1936, Serial No. 68,760
1 Claim. (Cl. 33—202)

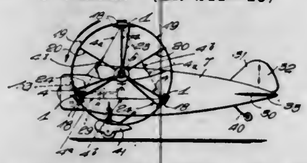


A raker-tooth gauge comprising a plate to lie vertically against a saw blade and having flanges to rest on the cutting teeth, a flat slide lying vertically against said plate and having a raker-tooth gauge between said flanges, the lower portion of said slide being provided with a vertical slot having a widened end, said plate being provided with a lateral lug which passes through said slot, said lug being formed with a threaded opening, a vertical adjusting screw threaded through said opening, said screw having a flat operating head received in said widened slot end, whereby normal rotation of said screw will cause vertical movement of said slide, and a screw-and-slot-connection between the upper portion of said slide and said plate.

2,079,216
IMPROVED ACID SYNTHESIS PROCESS
Alfred T. Larson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 25, 1933, Serial No. 662,854
4 Claims. (Cl. 260—116)

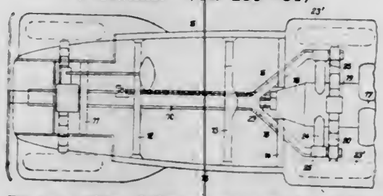
1. In the manufacture of synthetic aliphatic organic monocarboxylic acids by catalytic addition of carbon monoxide and water to olefinic hydrocarbons at elevated temperature and pressure, the step which comprises conducting the reaction in the substantial absence of oxygen in a vessel, the inner surfaces of which are lined with a metal containing at least 95% copper.

2,079,217
AUTO-CYCLO-GIRO
Isidor B. Laskowitz, Brooklyn, N. Y.
Application August 10, 1933, Serial No. 684,568
2 Claims. (Cl. 244—16)



1. In combination, an aeroplane fuselage, a pair of rotors arranged on opposite sides of the fuselage, a driven shaft on which the rotors are mounted extending transversely through the opposite sides of the fuselage, an engine, a drive shaft extending therefrom, a clutch interposed between the drive and driven shafts, an air compressor operable by the engine, means controlled by the fluid discharged from the compressor for actuating the clutch to operatively connect the engine and rotor shafts together, said means being automatically rendered inoperative to declutch the drive and driven shafts should the engine speed fall below a predetermined value, permitting the rotors to autorotate, said means including a cylinder into which the fluid from the compressor is discharged, a piston operable in the cylinder, a lever operatively connected to the piston and movable member of the clutch structure and spring means connected to the lever for normally holding the movable member of the clutch in an inoperative position.

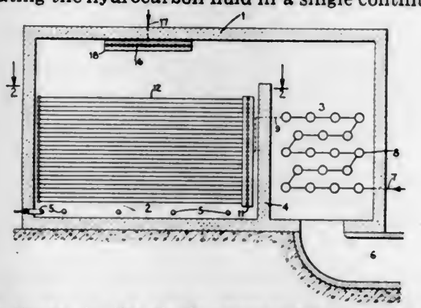
2,079,218
CONNECTIONS OF THE DRIVING UNIT TO THE FRAME OF A MOTOR VEHICLE
Hans Ledwinka, Koprivnice, Czechoslovakia
Application November 26, 1934, Serial No. 754,759
In Germany December 17, 1932
7 Claims. (Cl. 180—54)



1. In an automobile comprising a chassis and a driving unit from which the wheels are driven through the agency of floating axle shafts, the means for connecting the driving unit to the chassis comprising cross supporting shafts attached to the driving unit, bearings attached to the chassis in which the said cross shafts are carried, and a strap pivoted to an end of the driving unit and to the chassis.

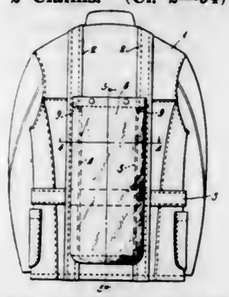
2,079,219
HEATING HYDROCARBON FLUIDS
Walter E. Lobo, Westfield, N. J., assignor to Gasoline Products Co., Inc., Newark, N. J., a corporation of Delaware
Application November 16, 1934, Serial No. 753,257
2 Claims. (Cl. 196—47)

1. The method of heating hydrocarbon fluids to a cracking temperature in an apparatus comprising a combustion chamber, a separate convection heating chamber supplied with furnace gases from the combustion chamber, a single-passage heating coil disposed in the convection heating chamber, and a parallel-passage heating coil disposed in a horizontally arranged bank within the space constituting the combustion chamber about the walls thereof and substantially out of the path of the convection gases flowing to the convection chamber, each of the tubes of which parallel-passage heating coil is of smaller cross-sectional area than that of the single-passage heating coil, that comprises first heating the hydrocarbon fluid in a single continu-



ous stream in the single-passage heating coil in said convection heating chamber and thereafter dividing all of the stream from the convection heating chamber directly into a plurality of continuous streams flowing through the tubes of the parallel-passage heating coil, so that the hydrocarbon fluid flowing in parallel streams in the tubes entirely around the walls of the combustion chamber is heated preponderantly by radiant heat in a plurality of parallel streams of reduced cross-sectional area.

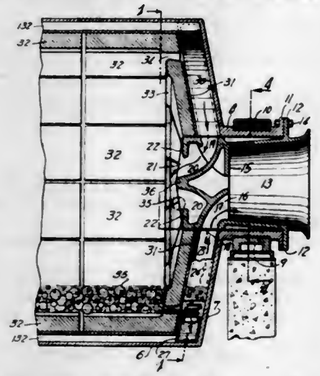
2,079,220
SPORTSMAN'S COAT
Frank H. Mahoney, Burlington, Vt., assignor of one-half to William Knox, Burlington, Vt.
Application April 11, 1936, Serial No. 73,913
2 Claims. (Cl. 2—94)



1. A coat having a pair of vertically spaced plaits on the back, "zipper" elements affixed to the coat beneath the adjacent edges of said plaits and concealed thereby, a pack-receiving bag carrying parallel disposed "zipper" elements spaced apart the same distance as the "zipper" elements carried by the coat, and means for effecting union of the complemental "zipper" elements on the coat and bag.

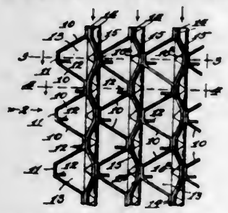
2,079,221
DISCHARGE FOR GRINDING MILLS
Starks L. Miller and George T. Johnson, Denver, Colo., assignors to American Ball-Mill Company, Denver, Colo.
Application September 9, 1935, Serial No. 39,763
3 Claims. (Cl. 83—9)

1. In a grinding mill mounted for rotation and having a head provided with a discharge opening, a hollow liner in the opening, the end of the liner projecting beyond the inner surface of the head, the liner having a plurality of passage ways from the periphery to one end and a plurality of passages leading in a reverse direction to a common opening, which latter opening extends to the other end of the cylindrical liner, a plurality of radially extending conduits located adjacent the inner surface of the head with their inner ends in communication with the passages in the



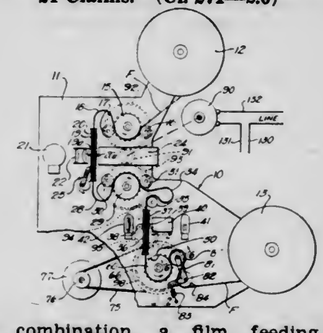
liner that open outside of the mill, the walls of the conduits on the sides facing in the direction of rotation having openings forming a grate, the spaces between the conduits communicating with the passages in the liner that open within the mill, a removable cover forming an inner wall for the spaces, the cover terminating a short distance from the inner periphery of the mill whereby openings are provided between the interior of the mill and the outer ends of the spaces between the conduits, and through which material may enter said spaces when the mill rotates.

2,079,222
MOTOR VEHICLE RADIATOR
Valentin Miller, Los Angeles Calif., assignor of one-half to Otto C. Nagel, Los Angeles, Calif.
Application May 22, 1935, Serial No. 22,738
2 Claims. (Cl. 257—130)



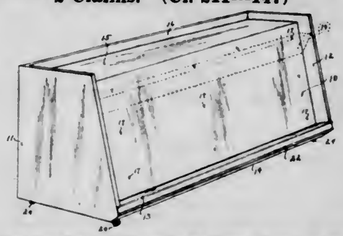
1. In a motor vehicle radiator, a cellular structure comprising a series of thin metal walls bent into substantially zigzag shape to provide a plurality of inclined walls that define horizontally disposed air flow ducts, there being short flat faces formed on the apices of the zigzag bent portions at the ends of said plates, a pair of spaced parallel flat plates arranged between each pair of zigzag walls, the vertical edges of which last mentioned pairs of plates are bent alternately in opposite directions to form zigzag portions, the apex of each zigzag portion having a short flat surface that engages the corresponding short flat surface on the end of the adjacent zigzag wall, the contacting flat surfaces of both sets of plates being permanently secured to each other, the intermediate portions of which second mentioned pair of plates are spaced apart by continuous vertically disposed ribs formed on said second mentioned plates, the apices of the ribs on each pair of plates being in contact with one another throughout the height of the plates to form a plurality of separate water flow ducts, portions of the first mentioned walls between the short flat portions at the ends thereof being cut and bent away from the adjacent metal to form longitudinally disposed fins that project into the air passages between said walls each fin being integrally connected to the wall from which it is cut throughout its length and the opening formed by the cutting and the bending of each fin constituting a continuous slot equal to the length of the fin, and which slot exposes a substantial portion of the under-lying one of the walls that form the water flow ducts.

2,079,223
SOUND MOTION PICTURE SYSTEM
Sidney A. Murdock, Los Angeles, Calif., assignor to Robert Gumbiner, Los Angeles, Calif.
Application October 4, 1935, Serial No. 43,513
21 Claims. (Cl. 271—2.6)



1. In combination, a film feeding drum adapted to move a film strip past a sound wave translation member, a constant speed electric motor drivingly coupled to said film feeding drum, other film feeding means, an electric motor for operating said film feeding means, and means including a rotatable control member driven by the film as it passes over the film feeding drum for controlling the speed of the second mentioned motor to drive said film feeding means in synchronous relation with the speed of the film as driven by the film feeding drum.

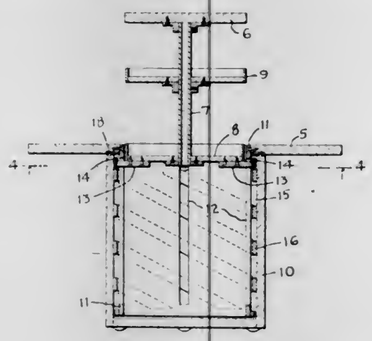
2,079,224
PORTABLE MERCHANDISE DISPLAY RACK
Anthon H. Paschell, Des Moines, Iowa
Application April 9, 1936, Serial No. 73,419
2 Claims. (Cl. 211—147)



2. In a device of the class described, a horizontal bottom portion, a one piece front portion ex-

tending upwardly and rearwardly from said bottom portion in a straight plane; said front portion being closer to a vertical plane than to a horizontal plane, a horizontal top portion having its forward marginal edge portion adjacent the upper portion of said front portion, two side portions each of one piece secured to said bottom portion, said front portion, and said top portion; said side portions extending beyond the outside planes of said front portion and said top portion for forming retaining walls, a retaining wall extending along the rear marginal edge portion of said top portion, a supporting base portion at the lower marginal edge portion of said front portion extending at a right angle to said front portion, said front portion having a plurality of openings, a shelf member designed to engage the front surface of said front portion, and a plurality of lug members on said shelf member for detachably engaging said plurality of openings respectively for detachably holding said shelf member on said front portion.

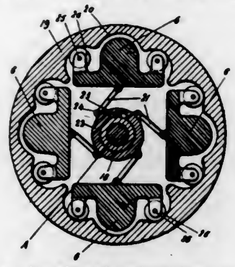
2,079,225
TABLE
Basil Sabaneeff, New York, N. Y.
Application June 6, 1936, Serial No. 83,850
4 Claims. (Cl. 311—31)



2. A table having in combination a table top proper, a centrally disposed portion vertically movable in relation to said table top proper, a plurality of trays carried by said centrally disposed portion, a base, and means whereby rotary movement of said table top proper will cause said centrally disposed portion and the trays to be raised or lowered.

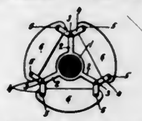
2,079,226
MEANS ADAPTED TO REDUCE THE TORSIONAL OSCILLATIONS OF CRANKSHAFTS
Raoul Roland Raymond Sarazin, Saint-Prix, France
Application July 30, 1931, Serial No. 554,056. Renewed February 29, 1936. In France December 19, 1930
23 Claims. (Cl. 74—574)

1. In a device for reducing torsional vibrations in shafts, especially vibrations of high frequency, a shaft, a member mounted on said shaft to be rotated thereby, said member having a surface providing hollows therein, and a plurality of swinging masses exterior of and having connection with the shaft and each mass having a pair of separated parts engaging in said hollows and adapted to be swung under in-



fluence of a torsional vibration to ride partly out of said hollows.

2,079,227
MEANS ADAPTED TO REDUCE THE TORSIONAL OSCILLATIONS OF CRANKSHAFTS
Raoul Roland Raymond Sarazin, Saint-Prix, France
Original application July 30, 1931, Serial No. 554,056. Divided and this application July 13, 1935, Serial No. 31,201. In France December 19, 1930
17 Claims. (Cl. 74—574)



1. In a device for reducing torsional vibrations in shafts, a shaft, a plurality of swinging masses, means for interconnecting two consecutive masses, two movable connections between each of said masses and said shaft, the connecting points between the movable connections and the masses moving on prescribed paths.

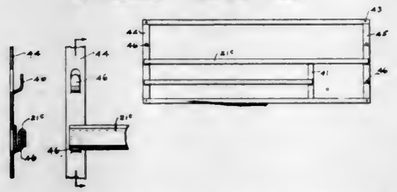
2,079,228
UNSATURATED ESTERS AND SULPHATES THEREOF
Walther Schrauth, Berlin-Dahlem, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application July 18, 1932, Serial No. 623,298. In Germany July 17, 1931
4 Claims. (Cl. 260—99.12)
(Granted under the provisions of sec. 14 act of March 2, 1927; 357 O. G. 5)

2. An oil for treating fibrous material which consists principally of sulphated esters of physetoleic acid and alcohol of the group consisting of the unsaturated aliphatic mono-hydric alcohols having 8 or more carbon atoms in the molecule.

2,079,229
PIGMENT PASTE FOR CARBON PAPERS, TYPEWRITER RIBBONS, AND STENCIL SHEETS
Walther Schrauth, Berlin-Dahlem, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application June 29, 1933, Serial No. 678,257. In Germany June 30, 1932
12 Claims. (Cl. 134—1)

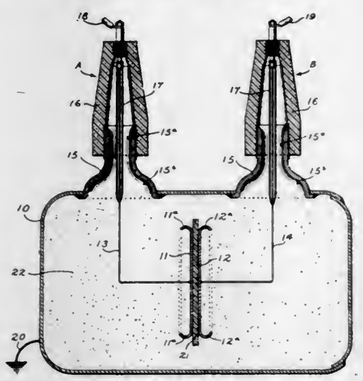
1. A color paste composition for use in the manufacture of duplicating papers, typewriter ribbons and stencil sheets comprising, as principal ingredients, color material and an ether wherein one radical attached to the oxygen atom is a radical of the group consisting of the normal primary aliphatic radicals having 8 or more carbon atoms and the naphthenic radicals and the other radical attached to the oxygen atom is a radical of the group consisting of the normal primary aliphatic and naphthenic radicals.

2,079,230
ILLUMINATED SIGN
John J. Shively, New York, N. Y., assignor, by mesne assignments, to Service Devices, Incorporated, New York, N. Y., a corporation of New York
Application July 25, 1935, Serial No. 33,026
6 Claims. (Cl. 40—133)



1. In a sign of the character described, a plurality of character blanks of substantially transparent material having indicia outlines thereon and having opaque backgrounds to prevent light from escaping from the sign, and means for holding said blanks overlying the face of the sign comprising side rails having top and bottom rails secured thereto and forming therewith a frame, and carrier strips supported on said side rails, said carrier strips comprising channels adapted to engage said character blanks.

2,079,231
CONDENSER CONSTRUCTION
Franklin S. Smith, New Haven, Conn.
Application December 14, 1931, Serial No. 580,908
28 Claims. (Cl. 175—41)

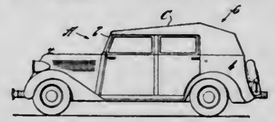


1. In condenser construction, in combination, juxtaposed plate members and a composite dielectric insulating said members from each other, said dielectric including mica and a gaseous dielectric under pressure in series therewith at portions where the voltage gradient between said plates is substantially uniform and two composite dielectrics at portions where the voltage gradient is not uniform, said two composite dielectrics being arranged in series and each including two dielectrics of different permittivities in series with each other.

12. In an electrical apparatus, the combination with two parts to be insulated from each other, of a mass of free particles of ground fused quartz interposed therebetween.

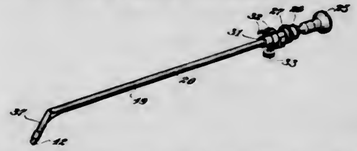
18. The herein described method of insulating two parts of an electrical apparatus which comprises superimposing directly upon one another and in staggered relation and in direct face to face contact with each other a suitable number of scales or sheets of mica, interrelating the resultant built-up mica and the parts to be insulated, and filling the interstices between the contacting faces of the scales of mica with a gaseous dielectric under pressure.

2,079,232
CONVERTIBLE AUTOMOBILE BODY
Hinsdale Smith, Springfield, Mass.
Application July 22, 1935, Serial No. 32,498
17 Claims. (Cl. 296—116)



1. The combination in a vehicle of, a frame including a plurality of pivoted together members, certain of which are pivoted to the rear portion of said vehicle, whereby said members may be moved between collapsed position at the rear of said automobile and an extended position, locking means associated with certain of said members and the forward part of said automobile engageable when said members are in extended position, and swinging means to position said locking means forwardly of their point of engagement and then to move a part of the means rearwardly to engage said locking means.

2,079,233
TELESCOPIC INSTRUMENT
Frederick Charles Wappler, New York, N. Y.
Application August 16, 1933, Serial No. 685,361
10 Claims. (Cl. 128—7)

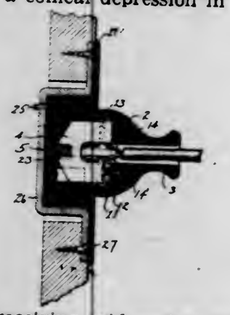


6. In an instrument of the character described, a telescopic tube commanding a forwardly oblique range of vision, a forward extension pivoted to the front end of said tube and normally skirting the inner boundary of said range, a lamp and a mirror carried by said extension, said extension being pivotable to interpose the mirror into said range, and means independent of the pivot connection for supplying electric current to said lamp, said means comprising a socket for the lamp, a terminal projecting rearwardly from said socket, and a conductive member connected at the front end to said terminal and extending rearwardly along the tube, said member being arranged adjacent to a side edge of the mirror.

2,079,234
ELECTRIC CONNECTER AND RECEPTACLE THEREFOR
Wilson D. Craig Wright, Princeton, N. J.
Application January 7, 1936, Serial No. 57,901
6 Claims. (Cl. 173—330)

3. In a device of the character described, a

plug and plug receptacle, said plug having a pair of contact members disposed to present a cruciform appearance, the outer end portions of said contact members being tapered so as to lie in the surface of an imaginary cone, said receptacle having a conical depression in its face for



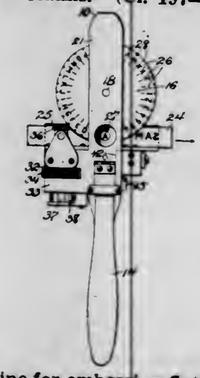
conformably receiving said contact member end portions, and a receptacle recess of cruciform shape disposed concentrically with said conical depression, said cruciform recess having contact members therein disposed at right angles to each other.

2,079,235
ANTISKID DEVICE
William L. Wettlaufer, Buffalo, N. Y.
Application January 2, 1936, Serial No. 57,139
7 Claims. (Cl. 152—14)



1. A traction providing element for an antiskid device having a flexible body, said element including companion parts which engage opposite sides of said body to secure said element to it and which co-operate to provide a composite wall with each of said parts being adapted to contact the surface engaged by said element, said parts being deformed to provide a locking joint which secures them against separation.

2,079,236
MARKING TOOL
Frederick W. Zipf, Newark, N. J.
Application August 16, 1935, Serial No. 36,494
2 Claims. (Cl. 197—6.7)



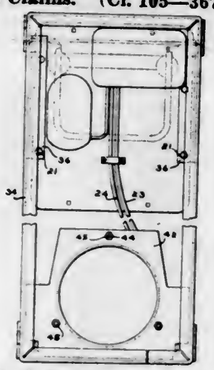
1. A machine for embossing flat strips comprising a jaw having two walls and a handle, a pair of embossing members rotatably arranged between said walls, one of said members being bendable toward the other and normally spaced therefrom a feeding means on said jaw for feeding a strip between said embossing members, a second jaw pivoted to the first jaw and including a handle, a punch on the end of the second jaw for moving one embossing member toward the other, and a connection between the punch and the feeding means for moving the strip when the punch retreats from the embossing members.

2,079,237
SAFETY SHOE
Arthur R. Allard, Drexel Hill, Pa.
Application March 26, 1936, Serial No. 70,907
12 Claims. (Cl. 36—72)



1. In a safety device for a shoe, a construction adapted to fit over the toe of the shoe for resisting deformation of such toe by impact, rearwardly inclined pins fixedly connected to the construction for insertion in inclined openings provided in the shoe sole, and locking pins adapted to fit in openings provided therefor in the sole after insertion of the inclined pins in their openings, said locking pins and their openings extending substantially at right angles to the shoe sole.

2,079,238
METHOD OF SHIPPING REFRIGERATING APPARATUS
John H. Ashbaugh, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 5, 1935, Serial No. 43,647
Renewed September 11, 1936
14 Claims. (Cl. 105—367)

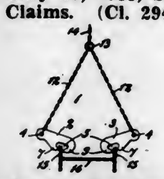


1. In the art of shipping a mechanism for assembly to a device at its destination, said mechanism including spaced elements which are assembled to spaced portions of the device; the method of shipping such mechanisms in transportation vehicles which comprises securing the spaced elements of the mechanism to a unitary carrying rack in such relative positions as will afford unitary assembly thereof to the spaced portions of the device upon completion of shipment and prior to their detachment from the rack, providing a plurality of supporting rails in the vehicle, and mounting the racks upon the rails in side-by-side relation for shipment.

2,079,239
PROCESS OF WORKING COPPER ALLOYS AND MORE PARTICULARLY COPPER ALLOYS CONTAINING LESS THAN ABOUT 12% TIN
Rudolf Otto Barthel, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
No Drawing. Application August 10, 1934, Serial No. 739,266. In Germany August 17, 1933
6 Claims. (Cl. 148—11.5)

4. In the process of producing homogeneous copper-tin alloys practically devoid of delta phase, the improvement which comprises casting a copper alloy containing about 6% to about 12% of tin, rapidly cooling said alloy whereby an alpha plus delta phase is formed, and subjecting said alloy to hot kneading at a temperature of about 500° C., to about 650° C., whereby said alpha plus delta phase is converted practically completely to an alpha state.

2,079,240
DEVICE FOR HOISTING BEAMS
George H. Bruns, Grasmere, N. Y.
Application July 27, 1935, Serial No. 33,540
2 Claims. (Cl. 294—92)



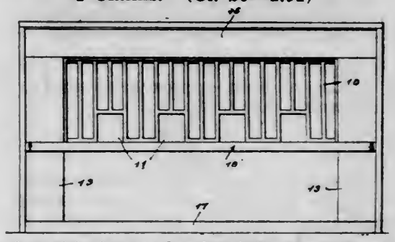
1. A device for hoisting flanged beams comprising, a pair of opposed gripping members, each of said members comprising an elongated plate-like body portion having a notch formed in one of its longitudinal edges near one end thereof and an eye formed near the opposite end of the member, said notch fitting over the top edge of a vertically disposed flange on a beam, said notch having a reduced opening, the sides of which form teeth to bite indentingly into the vertical sides of the vertically disposed flange of the beam when the member is moved pivotally by pull exerted substantially parallel to the plane of the engaged flange while in position over the vertically disposed flange of the beam, the two members when fitted over a pair of vertically disposed parallel flanges on a beam, having their eyes disposed at points located wider apart from one another than the width of the beam and connected by lifting chains which exert a lifting pull in a plane parallel to the planes of the vertically disposed flanges engaged by the members to thereby raise the beam by engagement with its vertically disposed flanges only.

2,079,241
APPARATUS FOR SEPARATING METALLIC MIXTURES
Robert Cady Burt, Pasadena, Calif.
Application February 1, 1932, Serial No. 590,095
5 Claims. (Cl. 175—21)



2. An electromagnet comprising a plurality of longitudinally U-shaped iron laminations held together to form an upper pole and a lower pole, and a winding for the upper pole adapted to pass a pulsating current therethrough; said lower pole being U-shaped transversely to provide solid legs of laminations on the ends and having a depressed portion between said legs wherein full size laminations are placed at spaced points and decreasing in spaced distances each way from the center of the depression toward the solid legs.

2,079,242
CASHIER'S SHIELD
William Cain, Sr., Newburg, W. Va.
Application January 18, 1934, Serial No. 707,181
4 Claims. (Cl. 20—1.01)

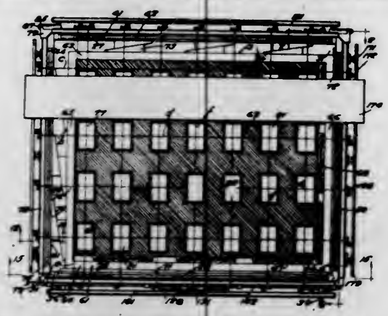


1. A cashier's cage having tellers' windows and a trough, hollow corner posts in communication with the trough, a pair of drum members revolubly mounted within the trough, crank means for revolving the drum members, dual pulley members mounted within the trough immediately above each corner post, a guide pulley mounted within each corner post aligned with respective dual pulley members, each corner post having a vertically disposed guide-way and slot positioned in opposed relationship to one another, a closure positioned within the opposed guide-ways, an eyelet formed on the vertical edges of the closure and extending through respective slots, a cable member connected to each respective eyelet, each cable being passed partially around respective guide pulleys and thence around one of the dual pulleys and wound in the same direction upon respective drum members, a pair of retracting springs within the trough, the end of one spring being anchored to one end of the trough and one end of the other spring being anchored at the opposite end of the trough, and being trained around the other of the respective dual pulleys, the other end of the spring members being secured to respective eyelets, trigger means for holding said closure against retraction by said springs and treadle means for releasing the trigger.

2,079,243
MEANS FOR REGISTERING PRINTING PLATES
Leslie W. Claybourn, Milwaukee, Wis., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application January 29, 1935, Serial No. 3,941
8 Claims. (Cl. 33—184.5)

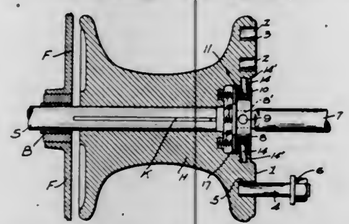
1. The combination, in printing plate registering means, of a table on which to register the printing plates, a swinging frame comprising a protective rod swingable respectively above and below the level of the supporting surface of said table respectively for maintaining distance of the operator with relation to said table and for placing said protective rod in inoperative position and a supporting arm for said protective rod at each end thereof, one of the ends of said arms attached to said rod and the other ends of said

arms pivoted to said first-named table, spring means between said swinging frame and said ta-



ble to urge said protective bar toward said table, and a stop to limit approach of said swinging frame toward said table.

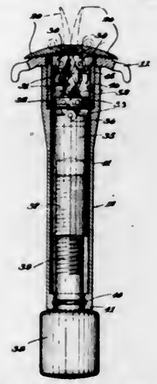
2,079,244
POWER TAKE-OFF APPLIANCE
Calvin Clinkenbeard, Spokane, Wash.
Application March 14, 1936, Serial No. 68,924
4 Claims. (Cl. 64—18)



1. In a power take-off appliance, the combination with a rotary shaft, a recessed hub rigid therewith, and an auxiliary shaft having a head rigid therewith, of a ring pivotally mounted on the head and rotatable therewith, said ring pivotally mounted in the recessed hub and rotatable therewith, and a resilient backing between said ring and head and the recessed hub.

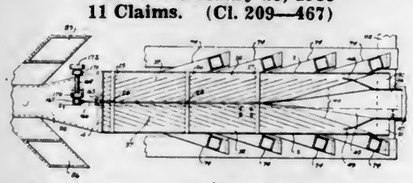
2,079,245
SAFETY RAZOR
Godfrey Dalkowitz, New York, N. Y., assignor to Godfrey Dalkowitz, Brooklyn, N. Y., and John D. Garretson, Oakland, Calif., as trustees
Application January 18, 1934, Serial No. 707,065
14 Claims. (Cl. 30—61)

1. In combination, in a safety razor holder adapted for the reception of blades of two types, both of said blade types having a slot therein, but the length of the slots of one type exceeding that of the slot of the other type, said holder comprising a guard adapted to seat either of said blade types in shaving position, and a cap adapted for cooperating with said guard to clamp either of said blade types against the guard, said cap having mounted thereon a pair of members adapted for relative movement from an end to end blade clamping relation overlying the blade when it is seated on the guard, into a position of substantial parallelism, and said members and said cap being of such conformation as to pass through the slot of one type of blade but not through that of the other type, when said members are in their parallel position, and means for moving said members from their parallel position to their end to end blade clamping position, and said cap being separably associated with said blade seat, whereby said long slot blade type may be seated on the guard and thereafter clamped in place by bringing said members into their end to end blade clamping relation, and



whereby when said cap is separated from said guard the short slot type blade may be seated on said guard and thereafter clamped in place after the cap is again associated with said guard and said members thereof are brought into their end to end blade-clamping position.

2,079,246
PROCESS AND MECHANISM FOR SEPARATING INTERMIXED DIVIDED MATERIALS
Kenneth Davis, Ebensburg, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del., a corporation of Delaware
Application May 12, 1927, Serial No. 190,925
Renewed January 25, 1935
11 Claims. (Cl. 209—467)

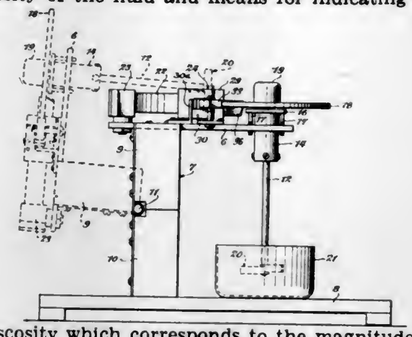


1. A mechanism for separating intermixed divided materials varying relatively greatly in size and varying relatively little in specific gravities including in combination an air-pervious table longitudinally and transversely inclined, separating partitions forwardly and upwardly inclined on the table, a plurality of discharge devices disposed along a side edge of the table adjacent the forward ends of the separating partitions and means operating mechanically and by air action at the side edge discharge devices for regulating the discharge of the heavier material.

2,079,247
VISCOSIMETER
George R. Eckstein, Buffalo, N. Y., assignor to Visco Meter Corporation, Buffalo, N. Y.
Application November 7, 1936, Serial No. 109,740
14 Claims. (Cl. 265—11)

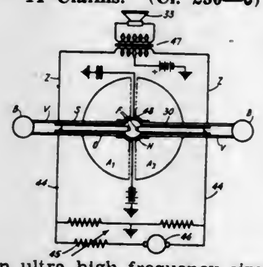
1. A device for testing the viscosity of a fluid including means which is adapted to be immersed in said fluid, means for imparting motion to said first named means, whereby to cause it to move by inertia against the resistance offered

by said fluid a distance determined by the viscosity of the fluid and means for indicating the



viscosity which corresponds to the magnitude of movement of said first named means.

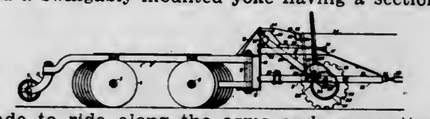
2,079,248
ULTRA HIGH FREQUENCY MAGNETRON DISCHARGE TUBE CIRCUIT
Karl Fritz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 19, 1935, Serial No. 41,223
In Germany September 4, 1934
11 Claims. (Cl. 250—6)



1. In an ultra high frequency circuit, a magnetron discharge tube having a plurality of anode members the inner surfaces of which are substantially conformed to a spherical surface, a cathode disposed as near as possible to the center of the spherical system, a magnetic field-producing conductor extending diametrically through the spherical system, means for so energizing the cathode and the anode members as to set up electronic emission therebetween, means for applying alternating potentials to said field-producing conductor for variably controlling the direction of electronic paths within the tube, and means for utilizing the output energy available from different ones of said anode members when in circuit with the cathode.

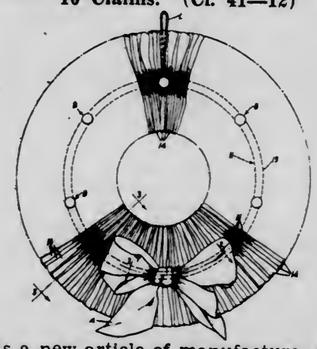
2,079,249
FARM IMPLEMENT
Salvatore Galati, Modesto, and Sandy S. Sorrenti, Escalon, Calif.
Application June 18, 1936, Serial No. 85,900
12 Claims. (Cl. 97—73)

4. A power lift for a ground-moving implement, comprising a frame securable to the implement, a traction wheel having an axle, arms projecting rearwardly from the axle in inclined relation to the ground surface and being swingably secured at their upper ends to the frame, means for locking the traction wheel and the arms together to effect the swinging of the arms to lift the frame by draft power imparted to the frame, and a swingably mounted yoke having a section



made to ride along the arms and cooperating therewith for holding the frame in raised position.

2,079,250
WREATH
Lucy Grisolia, Brooklyn, N. Y., assignor to William Fortunato Borda, Brooklyn, N. Y.
Application December 30, 1935, Serial No. 56,674
10 Claims. (Cl. 41—12)



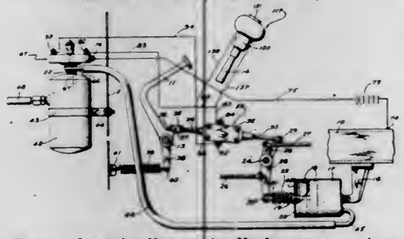
7. As a new article of manufacture, a decorative wreath comprising a frame ring or member, and a multiplicity of wisps, or wreath components made of sheet material each having a transverse twist forming a waist or constricted portion intermediate its ends, and at which it is secured to said frame member, with its ends spread in bat-like disposition extending substantially radially from the frame member, some of said wisps differing in color from other wisps.

2,079,251
TOY RAILWAY SWITCH-THROWING MECHANISM
William E. Haupt, Philadelphia, Pa., assignor of one-half to Herbert C. Gray, Philadelphia, Pa.
Application August 8, 1928, Serial No. 298,265
21 Claims. (Cl. 246—231)



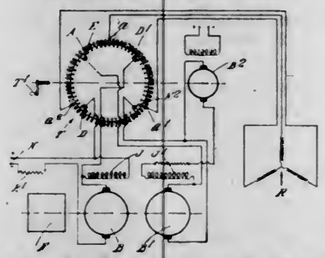
1. In a toy railroad, a switch from a single track to alternative branch tracks, a pair of oppositely acting electromagnets connected to oppositely position the switch, electrical circuits for the magnets and connections thereof on the tracks at points spaced from the switch adapted to selectively close the magnet circuits by the passage of the train toward the switch at the said points, and electrical connections adapted to be closed by and during the passage of a train over the switch for energizing the said magnets selectively and thereafter for holding the switch in its set position while the train is on the switch.

2,079,252
ELECTRICALLY CONTROLLED POWER SYSTEM
Joseph F. Healy, Jr., Bridgeport, Conn., assignor of one-half to Charles G. Miller, Jr., Southport, Conn.
Application July 7, 1934, Serial No. 734,174
17 Claims. (Cl. 121—41)



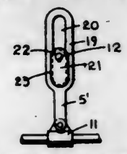
1. In an electrically controlled power system including a suction operated power device, a control valve including a body having an air inlet port, a power port connected with the power device, and a suction port connected with a source of suction, a movable valve, an armature on said valve, means normally holding said valve in position placing the power port in communication with the air inlet port, an electro magnet adapted when energized to attract said armature and move said valve to a position closing the power port, a second electro magnet operable to attract said armature and shift the valve from a position closing the power port to a position placing the power and suction ports in communication, a normally open circuit to each of said magnets, switch means including a contact for each of said magnets, a movable part mounting said contacts, a second part movable relative to said first part and operable on movement in one direction to successively engage said contacts to close the circuits to the first and second magnets successively, and said first part thereafter movable relative to said second part to open the switch in the circuit to the second magnet and again close the switch in the circuit to the first magnet.

2,079,253
ELECTRIC DISTANT CONTROL SYSTEM
Nicholas Japolsky, Highgate, London, England
Application January 3, 1936, Serial No. 57,331
In Great Britain November 6, 1934
7 Claims. (Cl. 172—239)



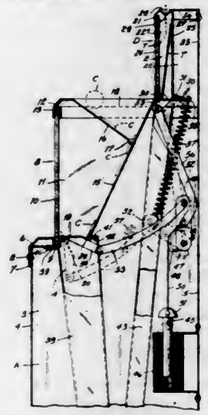
1. In an electric transmission system of the type comprising a receiver formed as a polyphase synchronous motor and an electrically connected transmitter having an armature provided with a continuous winding, the latter being energized by a usual D. C. feed component which is cyclically moved around the winding in accordance with mechanical movements imparted to the transmitter to afford polyphase A. C. output of variable frequency from said transmitter, the method of compensating for lag between the transmitter and receiver which comprises feeding to the transmitter armature winding an additional D. C. component which is electrically displaced from said usual feed component with respect to the armature winding, and controlling the said displaced component so that its magnitude varies according to the speed of operation of the transmitter.

2,079,254
ROCKER ARM
Floyd J. Jones, Overton, Tex., assignor to American Iron & Machine Works Company, Oklahoma City, Okla., a corporation
Application July 14, 1934, Serial No. 735,132
3 Claims. (Cl. 74—559)



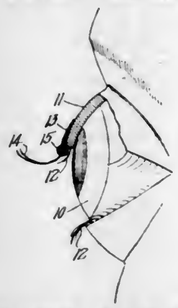
1. In combination with a slush pump having a pump end and a power end including a power control valve, a piston rod extending between said ends, a coupling on said rod, a pivot pin carried thereby, a yoke pivoted to said pin, an elongated opening therein, an elongated block in said opening, a shaft fixed to one end of said block transversely thereof, a support for said shaft, an arm on said shaft, and a connection thereon extending to the power control valve.

2,079,255
COIN AND TICKET RECEPTACLE
Otis K. Jones, St. Louis, Mo.
Application July 3, 1935, Serial No. 29,589
9 Claims. (Cl. 232—7)



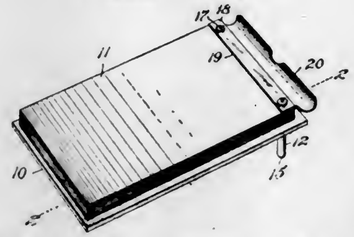
1. A device of the character described, having therein an inclined slide for coins, means for positioning coins on said slide with their faces flat against the face thereof, and a horizontally-disposed flat movable member having a comparatively short downwardly extending portion adjacent to the face of said slide adapted to be engaged by coins sliding down said slide for normally stopping and keeping them thereon in display position with their faces flat against the face thereof, and means for displacing said movable member for releasing the coins.

2,079,256
ARTIFICIAL EYELASH
Ernest F. Kaiser, New York, N. Y.
Application November 15, 1934, Serial No. 753,081
1 Claim. (Cl. 132—1)



An artificial eyelash as characterized comprising an elongated thin strip having a bead at one edge for constituting a hair retaining member blending with the eyelid to which applied thereby rendering the member inconspicuous in use, one portion of said bead being adapted to rest against the lower portion of an eyelid and move therewith, a plurality of lashes projecting outwardly therefrom, and an adhesive on the elongated strip which in use is next the eyelid thereby preventing disengagement of the eyelash when in use.

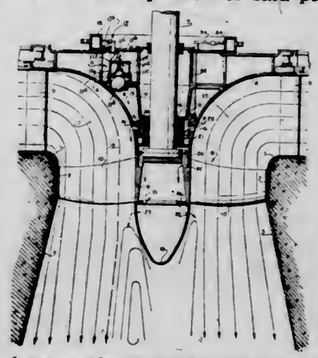
2,079,257
PAD HOLDER
John R. Kaiser, Bloomfield, N. J.
Application May 5, 1936, Serial No. 77,943
2 Claims. (Cl. 281—1)



1. A pad holder comprising a stiff sheet of material for supporting a pad, a tubular leg under one end of the sheet, the sheet having a perforation in line with the bore of the leg, a screw having a rounded head extending upwardly through the leg and the sheet and projecting above the sheet for reception of the pad, a keeper on the screw and a nut on the screw for securing the pad in place, said keeper comprising a strip to rest on the pad and a curved extension beyond the pad to form a trough.

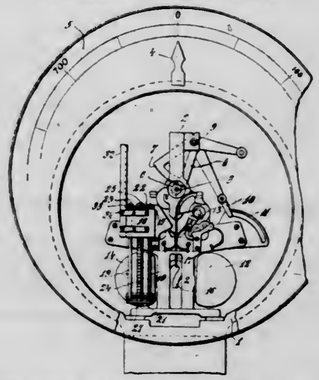
2,079,258
CAVITATION CONTROL OF HYDRAULIC MACHINES
Samuel Logan Kerr, Philadelphia, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware
Application August 15, 1933, Serial No. 685,237
5 Claims. (Cl. 253—117)

1. A hydraulic machine comprising, in combination, a fluid passage, adjustable gate mechanism therefor, a runner disposed in said passage, means for admitting air to the central portion of said passage during part gate operation, and means for admitting auxiliary streams of water to the central portion of said passage on



the discharge side of said runner during substantially full gate operation, thereby to control cavitation throughout operation of said runner.

2,079,259
WEIGHING MECHANISM
George Lynch, New York, N. Y., assignor, by mesne assignments, to The Kron Company, Bridgeport, Conn., a corporation of Connecticut
Application September 21, 1931, Serial No. 564,073
19 Claims. (Cl. 265—36)

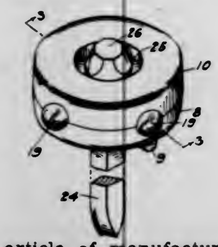


1. A weighing mechanism having a depending weighing arm, a weight indicating device operative by said arm, a vertical rod carried by said arm, a weight movably guided by said rod, and means to retain said weight in different positions along the rod to vary the resistance of the arm for weighing, to indicate on the weight indicating device the weight of the article minus extraneous material therein.

2,079,260
HIGHWAY PILOT
Lee C. Noderer, National City, Calif.
Application October 12, 1935, Serial No. 44,739
10 Claims. (Cl. 88—79)

4. A highway marker including two disks each having a half socket which opens out thru its periphery, a spike passing centrally thru said disks and uniting them in such an abutting manner that said half sockets are alined and are combined to form a whole socket opening out peripherally from the united disks, and light

reflecting means within said whole socket and adapted to reflect light radially away from said disks.



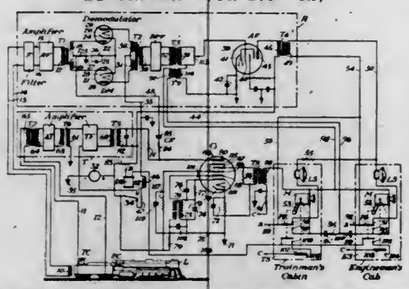
8. As an article of manufacture, a reflector unit comprising a cylindrical solid body, made of light transmitting material, having a cavity in one end thereof, and a lens integral with said body at its other end, reflecting material filling said cavity, and a cap sealing said reflecting material within said body.

2,079,261
MEANS FOR GRIPPING GOLF CLUBS AND OTHER HAND GRIPPED DEVICES
Avern Pardoe, Toronto, Ontario, Canada, assignor to Edna H. Pardoe, Toronto, Ontario, Canada
Application April 27, 1935, Serial No. 18,613
3 Claims. (Cl. 273—32)



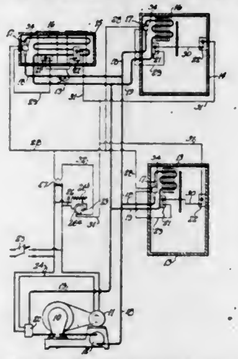
1. A gripping means comprising a narrow band of flexible material adapted to encircle the finger joints adjacent to the palm of the hand and having the portion thereof covering the inner side only of the joint built up circumferentially to project inwardly from the finger and to form a means for gripping the shaft of the club.

2,079,262
APPARATUS FOR COMMUNICATION SYSTEMS
Willard P. Place, Wilkinsburg, and Paul N. Bossart, Swissvale, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 8, 1935, Serial No. 846
14 Claims. (Cl. 179—82)



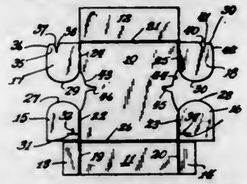
1. In a telephone system comprising a communication circuit, transmitting apparatus operative to supply a telephone current to said circuit, receiving apparatus responsive to telephone current flowing in said circuit and including an electron tube amplifier, and switching means for rendering either the transmitting apparatus or the receiving apparatus active; the combination with the above instrumentalities which consists of a first and a second station each provided with a loud speaker and a microphone, a first circuit means to connect said loud speakers in multiple to the output of the amplifying tube for reproducing simultaneously at said stations the message of a telephone current picked up from the communication circuit, a second circuit means to connect either microphone at will to the transmitting apparatus for supplying to the communication circuit a telephone current produced at either station, and a third circuit means to connect said microphones with the input of the amplifying tube for reproducing at either station the voice frequencies produced in the microphone of the other station.

2,079,263
METHOD OF AND APPARATUS FOR CONTROLLING THE FLOW OF LIQUID REFRIGERANT INTO AN EXPANSION SYSTEM
Thomas I. Potter, Portland, Oreg.
Application January 26, 1931, Serial No. 511,268
15 Claims. (Cl. 62—3)



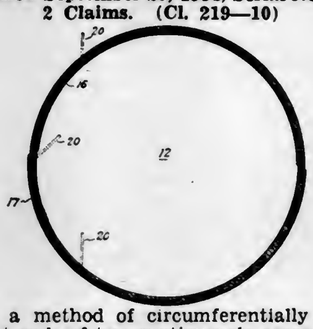
15. In a refrigerating machine, the combination of a condensing unit, an expansion unit, and means for intermittently admitting liquid refrigerant from the high side to the low side so that the refrigerant will flow in a pulsating stream, said means comprising an admission valve opening from the high side directly into the low side and adjustable operating means for said valve controlling the extent to which the valve is opened at each operation thereof.

2,079,264
BREAD DUMMY
Wilbert A. Rike, Neenah, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application March 19, 1936, Serial No. 69,713
5 Claims. (Cl. 40—126)



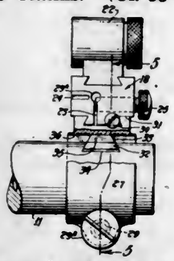
1. An article of the character described consisting of a single cut-out blank forming a body portion having a convexly shaped dome portion, flat vertical wall portions, and end walls, said dome portion being cut inwardly at each end thereof to provide open spaces to permit inward flexing of the upper portions of said end walls.

2,079,265
WELDING
James E. Trainer, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application September 25, 1934, Serial No. 745,382
2 Claims. (Cl. 219—10)



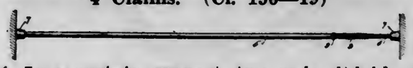
1. In a method of circumferentially welding adjacent ends of two contiguously arranged sections of a tubular member which extends at a substantial angle to the vertical, the steps which comprise forming between the adjacent ends of the sections an outwardly-opening welding groove which extends for substantially the upper half of the periphery of the tubular member; forming between the adjacent ends of the sections an inwardly-opening welding groove which extends for substantially the lower half of the periphery of the tubular member; filling one of said grooves with substantially horizontally extending beads of weld metal successively deposited beginning at the lowermost portions of the groove and working toward the upper portions thereof; removing the deposited weld metal at the back side of said one groove at the ends thereof and the adjacent parent metal of the sections to form extensions of the other groove which decreases in depth toward the outer ends thereof; filling the other groove with substantially horizontally extending beads of weld metal successively deposited beginning at the lower portions of the other groove and working toward the upper portions thereof.

2,079,266
GUN SIGHT
Walter Vaver, Cicero, Ill., assignor of one-half to Benjamin A. Tetzlaff, Riverside, Ill.; Harriet Vaver administratrix of Walter Vaver, deceased
Application February 20, 1936, Serial No. 64,832
3 Claims. (Cl. 33—47)



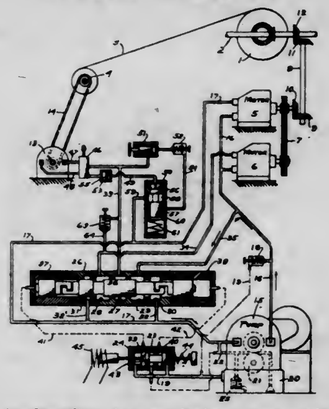
3. In a firearm front sight, an adaptor removably mounted on the firearm barrel and including a tubular member adapted to be frictionally supported on the firearm barrel, a locator for said member having a base portion adapted for frictional insertion in a groove disposed on and transversely of the firearm barrel, said locator having a rib thereon in alignment with the longitudinal axis of the barrel bore and with a vertical line intersecting the centers of the barrel bore and the firearm front and rear sights, said member having a recess adapted to embrace therein said rib and a second recess extending transversely to said first-mentioned recess, and a front sight adapted to be frictionally mounted in said second recess.

2,079,267
CURTAIN ROD
Robert D. W. Vroom and Walter H. Toelle, Wallingford, Conn., assignors to H. L. Judd Company, Inc., New York, N. Y., a corporation of Delaware
Application March 16, 1936, Serial No. 68,991
4 Claims. (Cl. 156—19)



4. In a curtain support, two rods slidable one within the other, a spiral coil spring mounted on the outside of the inner rod, one end bearing against the end of the outer rod, and means on the outside of the inner rod to hold the other end of said spring to different positions thereon to vary the effective overall length of said support.

2,079,268
HYDRAULIC TRANSMISSION
Ernst Wiedmann, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 20, 1935, Serial No. 17,439
14 Claims. (Cl. 60—53)

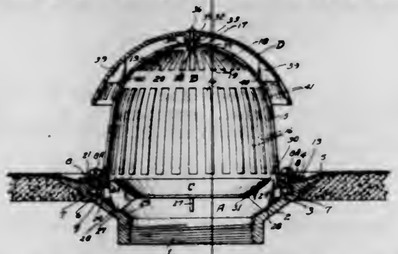


1. A hydraulic transmission, comprising a pump, a plurality of main fluid motors mechanically synchronized with each other and hydraulically connected to said pump in parallel with each other, an auxiliary fluid motor connected in series with one of said main motors to be operated by liquid discharged therefrom, a resistance valve, and means for controlling the delivery of liquid to said main motors including a control valve for short circuiting said pump and simultaneously directing the liquid discharged from at least one of said main motors through said resistance valve to cause it to function as a brake upon said main motors.

2,079,269
DRAIN
David S. Williams, Portland, Oreg.
Application March 23, 1936, Serial No. 70,369
14 Claims. (Cl. 138—32)

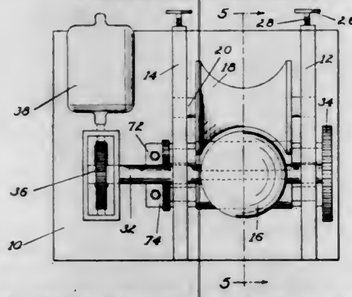
1. In a device of the class described, the combination of a supporting body of a general cylin-

drical contour ending in a tapered flange, said body having a plurality of bolt receiving recesses therein, means positioned within the supporting body for directing the gases passing through the bore of the supporting body, a multi-slotted dome-shaped drainage member, having a lateral



annular flange therearound, supported upon and removably secured to the supporting body, and an anchoring plate interposed between the flange of the dome-shaped member and the supporting body and seated upon roofing material for providing a water tight connection therebetween.

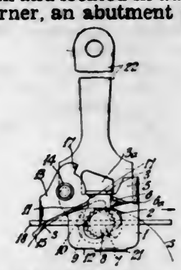
2,079,270
LEATHER FLEXING MACHINE
Earle Wilson, Chicago, Ill., assignor to The American Oak Leather Co., Cincinnati, Ohio, a corporation of Ohio
Application May 17, 1935, Serial No. 22,027
3 Claims. (Cl. 12—17)



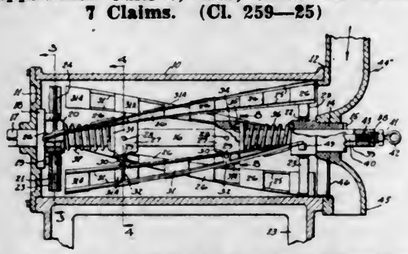
1. A flexing machine, including in combination, elements for bending a piece of material about one axis, and then bending it about another axis, said elements including a cooperating ball and spindle, a guide and a roller adjacent thereto, an adjustable resilient mounting for the spindle, a resilient support for the guide, and a resiliently mounted roller adapted to cooperate with the roller adjacent the guide.

2,079,271
TIN OPENER
Harry Ayliffe, Purley, England
Application June 22, 1936, Serial No. 86,539
In Great Britain January 11, 1935
4 Claims. (Cl. 30—3)

2. A tin opener comprising a plate, an inclined slot in said plate, a pin rotatable in said slot, means on one end of the pin for rotating it, a cam plate fixed on the pin and an abutment on the plate with which the periphery of the cam plate engages to impart a movement of translation of the pin along the slot, a cutter bar fixed to said plate and bent over from one side of the plate, a cutting edge on said bar, said cutting edge comprising a cutting trailing corner, a thick non-cutting portion adapted to traverse the circumference of the tin and located in advance of a cutting trailing corner, an abutment projecting laterally from said plate adapted to engage the periphery of the tin, and a toothed disc fixed on said pin adapted to engage the rim of the tin for transversing the cutting member along the tin.

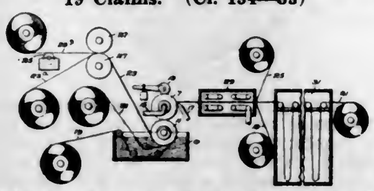


2,079,272
MIXING MACHINE
Max A. Arndt, Portland, Oreg., assignor of one-half to Alexander M. McIntosh, Portland, Oreg.
Application June 8, 1936, Serial No. 84,123
7 Claims. (Cl. 259—25)



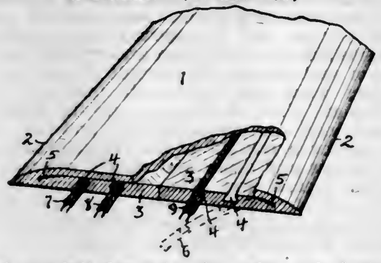
1. A mixing machine having in combination a container, a series of spaced blades mounted in a fixed spiral having means for positively revolving same within said container about the longitudinal axis of said spiral and a second set of blades adapted to occupy the spaces between the first set of blades and having a torsion spring for driving said second set of blades normally in advance of the first set of blades in a manner that the resistance offered to the movement of said spring driven blades will cause same to register with the first set of blades in a manner to form a continuous spiral for the purpose of ejecting the contents of the container from one end thereof.

2,079,273
CREPING
Edward H. Angier, Framingham, Mass., assignor to Edward H. Angier, as trustee for Angier Laboratories
Application May 16, 1930, Serial No. 453,001
19 Claims. (Cl. 154—33)



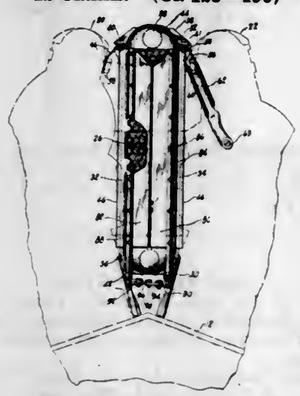
1. The method of creping by means of roll and doctor a web of material not in itself susceptible of being so creped which comprises causing the web to adhere to a web of prepared paper, causing the paper web to adhere to the roll, creping the assembled webs and separating the webs.

2,079,274
FLEXIBLE CONDUIT FOR ELECTRICAL WIRES
Kilian J. Baker, Fort Wayne, Ind.
Application February 24, 1936, Serial No. 65,196
2 Claims. (Cl. 247—39)



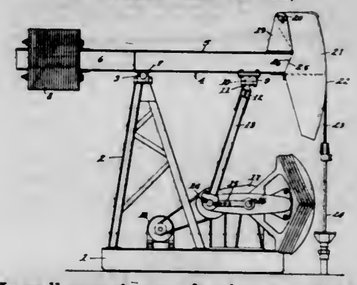
1. A conduit for extension wires of electrical circuits, made of pliant insulating material, in the form of a strip constituted of a cover portion, the sides of said strip being feather-edged, and provided with flaps that extend inwardly from the outer margins of the strip with which they are integral and underlie said cover portion, each of said flaps having one or more channels that extend longitudinally with respect to the strip and which are of dovetail formation in cross-section and open through their tops, said flaps being adapted to be flexed away from the overlying cover portion to permit insertion into the channels of said extension wires to be secured therein and concealed by said cover portion when the flaps are returned to normal position.

2,079,275
OIL-COOLING RADIATOR
Rex B. Beisel, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 13, 1935, Serial No. 31,253
12 Claims. (Cl. 123—196)



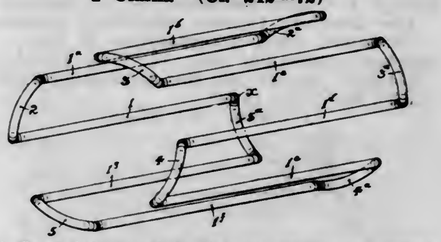
1. In combination with an engine having a plurality of cylinders cooled by an air blast, and a series of baffles for confining said air blast to the cooling surfaces of said engine, an oil cooling radiator positioned between and fixedly secured to two adjacent cylinders, the baffle between said cylinders surrounding said radiator and directing air therethrough.

2,079,276
WALKING BEAM MECHANISM
Richard R. Bloss, Columbus, Ohio, assignor to International-Stacey Corporation, Columbus, Ohio, a corporation of Ohio
Application July 19, 1935, Serial No. 32,240
8 Claims. (Cl. 74—41)



1. In well pumping mechanism, a walking beam embodying forwardly converging side members arranged in a substantially horizontal plane, a Samson post, bearings pivotally uniting the spaced rear ends of said side members with said post, a base frame on which said post is rigidly mounted, a power driven shaft having twin crank arms rotatably mounted in connection with said base frame, pitmans having their lower ends pivotally connected with said crank arms, a pivotal connection uniting the upper portions of said pitmans with the under side of said walking beam contiguous to the outer or forward end of the latter, and a cable head having an arcuate outer surface carried by the outer or forward end of said walking beam.

2,079,277
FORM OF SPOOL FOR TEXTILE YARNS
John Brandwood, Birkdale, Southport, England
Application June 17, 1935, Serial No. 26,971
In Great Britain June 28, 1934
1 Claim. (Cl. 242—72)



A flangeless spool for textile yarns or threads, such spool having a barrel consisting of stiff wires parallel with and placed equidistantly around the longitudinal axis of the same, and connecting and spacing end portions which are in staggered relation and constitute arcs of two circles the centres of which are coincident with the longitudinal axis of the spool, the whole material employed being a continuous length of wire.

2,079,278
PROCESS OF CLEANING FRUIT
James J. R. Bristow, Safety Harbor, Fla.
Application August 19, 1935, Serial No. 36,810
4 Claims. (Cl. 146—219)

1. Process for dry cleaning fruits having a natural waxy surface which consists in softening the

natural wax by heating the substantially dry fruit to a temperature of about 140° F. while subjecting the fruit to an atmosphere containing an amount of moisture such that the dew point is above the temperature of the entering fruit, scrubbing



the surface of the fruit while so heated to remove the loosened dirt and discharging the fruit with only slight moisture of condensation thereon at a temperature such that the moisture immediately evaporates to leave a dry surface.

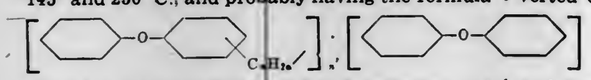
2,079,279

REACTION PRODUCTS OF DIPHENYLOXIDE WITH THE DI-HALO ALIPHATIC HYDROCARBONS

Gerald H. Coleman and Bartholdt C. Hadler, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 25, 1936, Serial No. 92,692
12 Claims. (Cl. 260—150)

6. A compound obtained by the reaction of diphenyloxide with a di-halo aliphatic hydrocarbon in the presence of a catalytic amount of aluminum chloride at a temperature between 145° and 250° C., and probably having the formula



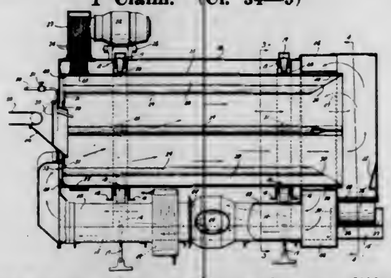
wherein n is an integer from 2 to 6, inclusive, and n' is an integer not greater than 2.

2,079,280

CONTINUOUSLY CONDITIONING TUMBLER

Forrest J. Couch, Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Original application June 12, 1933, Serial No. 675,417. Divided and this application April 3, 1935, Serial No. 14,398
1 Claim. (Cl. 34—5)



Apparatus for continuously conditioning washed fabric articles between extracting and ironing comprising an imperforate cylindrical tumbling drum substantially open at the ends, a frame, means rotatably mounting said drum in said frame spaced above a supporting surface, means for continuously rotating said drum, a casing surrounding the top and sides of said drum along the entire length thereof, said casing having end portions extending beyond and completely surrounding each end of said drum, sealing means between said drum and said end portions of said casing, there being a sealed article inlet opening through one casing end portion, a belt conveyor forming a floor for the other end casing portion for delivery of articles therefrom, there being an article discharge opening in said delivery end casing portion over the exit run of said conveyor and a flexible swingable air-sealing curtain covering said opening, there being an air outlet passageway in said delivery end casing portion above said drum, closed conduit means leading from said passageway downwardly on opposite sides of said drum and within the confines of said casing, said conduit means then extending below said drum to the inlet end casing portion and there discharging into the lower part of said inlet end casing portion, and fan means for moving a current of air through said conduit means and drum and casing, whereby said conduit means and drum and casing form a closed air circulating system from the delivery end of said drum to the inlet end thereof and then through said drum to its delivery end.

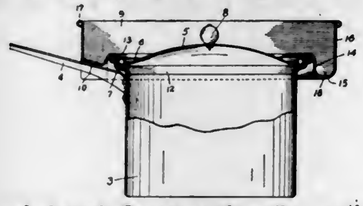
2,079,281

COOKING VESSEL ATTACHMENT

John T. Duarte, Honolulu, Territory of Hawaii

Application March 25, 1936, Serial No. 70,821
6 Claims. (Cl. 53—1)

1. The combination of a cooking vessel having an upper circumferential edge upon which a lid is adapted to fit, a displaceable overflow attachment including an inner circumferential inverted channel-shaped flange of such dimension and form as to fit the circumferential edge of the vessel in the absence of the lid, an inclined wall substantially bounding the flange and providing a depressed annular recess for confining the lid when the latter is superposed upon the inverted



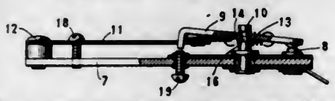
channel-shaped flange, and walls on the attachment located exteriorly of said inclined wall and shaped to form a trough substantially surrounding the vessel.

2,079,282

ELECTRIC SWITCH

Kenneth W. Du Bois, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application November 4, 1935, Serial No. 48,107
4 Claims. (Cl. 200—139)



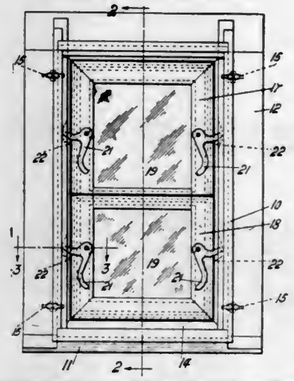
1. In a switch of the character described, a supporting base having a stationary contact and two spaced apart supporting studs provided with V-shaped grooves, a switch member having spaced apart knife edge portions detachably seated in said grooves and an actuator having a movable end resiliently connected with said switch member between said studs.

2,079,283

SUPPLEMENTAL WINDOW SASH

Harold A. Etling, Barberton, Ohio, assignor to The Weather-Seal Company, Barberton, Ohio, a corporation of Ohio

Application January 10, 1935, Serial No. 1,174
1 Claim. (Cl. 20—55)



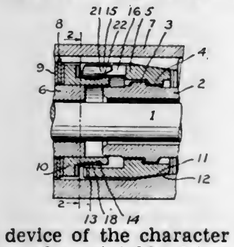
The combination with a window frame, of a supplemental frame adapted to be secured in the opening thereof, and a pair of removable sashes mounted in vertical alignment in said supplemental frame, said frame being formed on the rear face of its top, bottom and side members with a longitudinally extending, rearwardly projecting tongue and rearwardly opening groove, said sashes being formed on three sides with complemental tongues and grooves interfitting with those aforesaid, the top side of the lower sash and the bottom side of the upper sash partly overlapping each other, and said overlapping portions being formed with interfitting laterally projecting tongues and laterally opening grooves, each of said sashes being removable from the supplemental frame by lateral movement of translation normal to the plane of the sash.

2,079,284

RETARDING MECHANISM

Charles M. Gearing, Meriden, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 12, 1935, Serial No. 10,745
10 Claims. (Cl. 192—6)



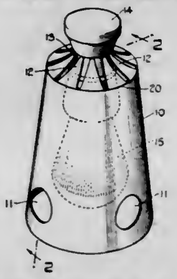
1. In a device of the character indicated, the combination of a rotatable driver, a driven-element, a braking element for said driven-element provided with a sloping groove, means to restrain rotation of said braking-element, a laterally-shiftable connector adapted in one lateral position to make driving connection with said driven-element and in another lateral position to operate said braking-element, there being relative rotation between said driver and said connector, means whereby relative rotation between said driver and said connector effects said lateral shifting of the latter, and a retarder of sloping cross-section in said groove and having connection with said connector; substantially as described.

2,079,285

BRUSH HOLDER

Alexandre M. Grean, Mount Vernon, N. Y., assignor to Alexander M. Grean, Jr., Rye, N. Y.

Application October 19, 1935, Serial No. 45,740
1 Claim. (Cl. 248—110)



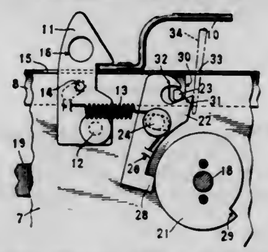
A brush holder comprising a hollow, substantially frusto-conical integral body structure of thin, resilient material, the said body structure having its uppermost edge serrated to form a plurality of closely spaced fingers converging, respectively, from base to tip, said fingers being bent inwardly toward one another at less than a right angle, and being of such length that, when bent, they terminate short of the axial center of the body structure to afford an opening for the insertion of a brush handle.

2,079,286

SAFETY SWITCH

Herman John Hammerly, New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application September 28, 1935, Serial No. 42,598
1 Claim. (Cl. 200—50)



An enclosed switch having a box with a cover hinged thereto and including switch mechanism and manually operable actuating means for said switch mechanism, a handle carried by the edge of the cover opposite the hinged edge adapted to be grasped by one hand to open the cover, and interlocking means within the box coacting between the box, the cover and the actuating means

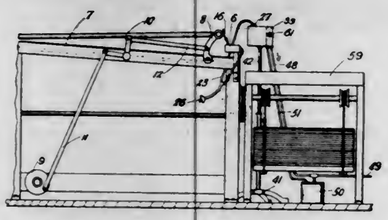
for holding the cover closed when the switch is closed, said cover having an opening adjacent one edge to permit a removable instrument to be inserted to retract the interlock from the cover and permit opening of the cover while the switch is still closed, said opening being at least partially concealed by the handle.

2,079,287

SPRAYER FOR PRINTED SHEETS

George E. Hieber, Cincinnati, Ohio, assignor, by mesne assignments, to The Sprayomatic Products Company, Cincinnati, Ohio, a corporation of Ohio

Application December 7, 1934, Serial No. 756,497
1 Claim. (Cl. 91—16)



In combination with a printing press having a discharge end, means for receiving and stacking individual sheets of work printed by the press and means movable back and forth for transferring printed sheets from the discharge end of the press to the receiving and stacking means, of an electrical circuit controlling means disposed in the path of movement of said back and forth moving means of the press, whereby said circuit controlling means is actuated in timed relation with the discharge of printed sheets from the press for alternately opening and closing an electrical circuit, a base independent from and disconnected from said press and positioned adjacent to the discharge end of the press, an electrically operable spray device disposed upon the base to discharge a spray of quickly drying fluid substance over sheets as the sheets are moved from the discharge end of the press to the receiving and stacking means, and a source of electrical energy in electrical connection with said circuit controlling means and said electrically operable spray device, whereby upon opening and closing of a circuit including said source of electrical energy, said circuit controlling device and said electrically operated spray device, the spray device is rendered operative and inoperative in alternate sequence for spraying printed sheets during the period of transfer only of said sheets to said sheet receiving and stacking means.

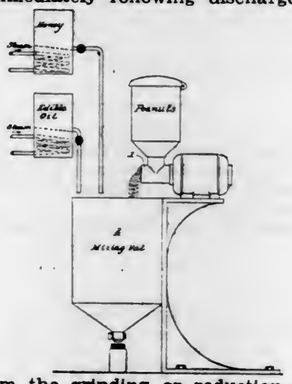
2,079,288

FOOD COMPOUND AND METHOD OF MAKING THE SAME

Frederick H. Hoffman, Columbus, Ohio

Application January 8, 1936, Serial No. 58,151
1 Claim. (Cl. 99—128)

The method of preparing nut butter to minimize gravitational separation of the ingredients thereof, which comprises grinding peanut kernels alone to the form of a paste or butter, then adding to the peanut butter, while the latter is at the temperature of grinding, quantities of an edible oil and strained bees' honey each heated to approximately 160° F., and thoroughly mixing the aforesaid ingredients, the added oil and honey when added to the peanut butter possessing approximately the same temperature of the peanut butter immediately following discharge of the



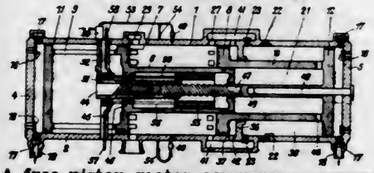
latter from the grinding or reduction zone in which it was produced.

2,079,289

FREE PISTON ENGINE

Hermann Jänicke, Dessau, Germany, assignor to Hugo Junkers, Munich, Germany; Therese Junkers, née Bennhold, administratrix of said Hugo Junkers, deceased

Application July 24, 1934, Serial No. 736,705
In Germany July 31, 1933
19 Claims. (Cl. 123—46)



7. A free piston motor compressor comprising two cylinders, one arranged coaxially within the other, a pair of annular free pistons arranged for reciprocation in opposite directions in the annular combustion chamber between said cylinders, the inner cylinder being connected to one of said pistons, a hollow extension formed in the other piston, means for guiding said inner cylinder in said extension in a gas-tight manner, and air inlet and exhaust valves associated with said extension for feeding scavenging air to the engine.

2,079,290

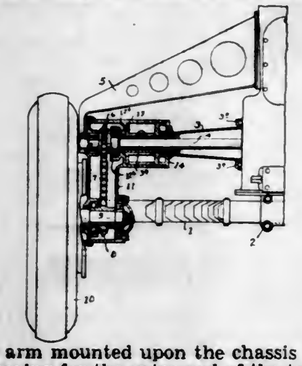
WHEEL-SUSPENSION DEVICE FOR AUTOMOBILES

Stephen Jencick, Chagrin Falls, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation

Application November 15, 1934, Serial No. 753,239
5 Claims. (Cl. 180—72)

1. In an automobile, the combination of a chassis, a laterally extending bracket affixed thereto, spring means supported upon said chassis and offset from said bracket in a direction lengthwise of the automobile, a hollow lever arm upon which a wheel is carried, said arm being mounted about the outside of said bracket for oscillating movement thereabout in a vertical plane and having substantially universal connection with said spring means, said bracket being hollow and housing a transversely extending, concentrically arranged drive shaft, means

housed within said hollow arm for operatively connecting the transverse drive shaft with the wheel for driving the same, and an auxiliary sta-



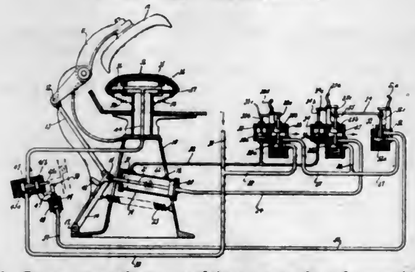
tionary arm mounted upon the chassis and having a bearing for the outer end of the transversely extending drive shaft.

2,079,291

PRESSING MACHINE AND ELEMENT

George W. Johnson, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio

Application January 11, 1935, Serial No. 1,300
22 Claims. (Cl. 38—25)



1. In a pressing machine, a pair of coacting relatively movable pressing members, the first of which has a fixed portion and a movable portion, continuous cover means extending over both of said portions, the second of said members being adapted to coact with both of said portions and being movable into contact with said fixed portion and into spaced relationship to the movable portion of said first member, means for so positioning said second member, and power means for moving the movable portion of said first member into pressure engagement with the coacting portion of the second member.

8. A pressing element comprising a fixed portion, a portion having an edge hingedly connected with said fixed portion, and motor means for moving said hinged portion about its hinged connection.

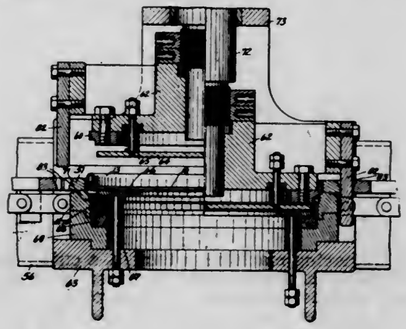
2,079,292

CLOSURE FOR COLLAPSIBLE PAPER STOCK BARRELS AND METHOD OF FORMING THE SAME

George S. Jones, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York

Application August 15, 1934, Serial No. 739,980
7 Claims. (Cl. 113—121)

1. The method of preliminarily attaching a metal ring to a closure of paper stock to be attached to a paper collapsible container having open ends, which closure is provided with an outwardly flaring circumferential resilient flange and which ring is U-shaped in general form in cross section, consisting in laying the ring on the closure concentric therewith, bringing the edge of the flange into the channel of the U formation, allowing the flange to spring outwardly into engagement with the outer wall of the ring, thereby preliminarily securing the flange and the ring together.



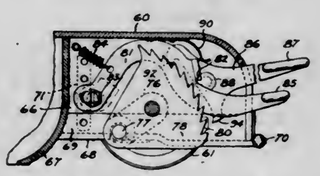
5. A closure unit to be attached to the end of a barrel, said unit consisting of a closure disk having a circumferential marginal flange extending outwardly from the periphery of the closure at an obtuse angle relatively thereto, a metal ring for securing the closure to the barrel, said ring being U-shaped in general form in cross section, the inner wall of the U formation having its edge overlying the closure adjacent the base of said flange and with said flange extending substantially diagonally across the U formation, with the outer edge of the flange in frictional interlocking engagement with the outer wall of the U formation, the channel of the U formation being of sufficient width to permit the insertion of the edge of the barrel between the outer wall of the ring and said flange when the latter is pressed into a position approaching a right angle to the body of the closure.

2,079,293

SUCTION SWEEPER

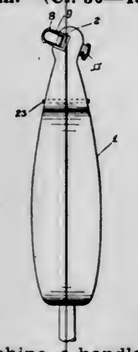
James B. Kirby, West Richfield, Ohio, assignor to Industrial Improvements Incorporated, Cleveland, Ohio, a corporation of Ohio

Application June 26, 1933, Serial No. 677,602
7 Claims. (Cl. 280—44)



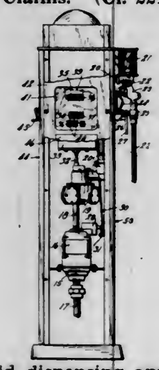
1. In a portable device of the class described, supporting wheels for the device, eccentric mounting means for rotatably supporting said wheels whereby the device may be raised or lowered, and a pair of foot operated pedals associated with said eccentric mounting means, one for raising and the other for lowering the device to its various adjusted operating positions.

2,079,294
SHAVING MACHINE
Norman H. Lewis, Rochester, N. Y., and Emil G. Berg, Providence, R. I., assignors of one-third to Robert Stockman, Providence, R. I.
Application July 9, 1934, Serial No. 734,244
1 Claim. (Cl. 30—43)



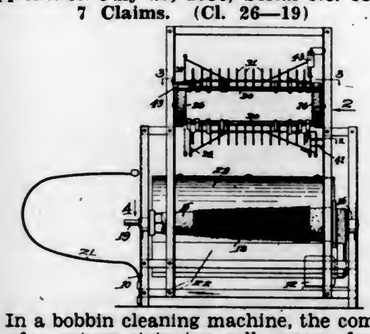
In a shaving machine, a handle, a cutter head comprising a fixed guard member, a movable guard member mounted to reciprocate on said guard member, and a combined clamping screw and pressure member for clamping said guard member to said handle and holding said cutting member against said guard member.

2,079,295
LIQUID DISPENSING APPARATUS
Joseph A. Logan, Springfield, and Warren H. De Lancey, West Springfield, Mass., assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application August 27, 1936, Serial No. 98,140
18 Claims. (Cl. 221—95)



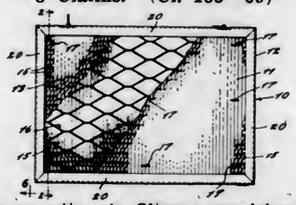
1. In a liquid dispensing apparatus, having a meter for measuring the liquid dispensed, a register driven by said meter and having a portion for indicating the quantity of liquid dispensed and a portion for indicating the cost of such quantity, and a manually movable member, actuation of which between successive deliveries of liquid is compulsory; a shutter movable into and out of position in which it conceals the indications of the cost portion of said register, manually operable means controlling the movement of the shutter into said position, releasable means for holding the shutter in said position, means operable by actuation of said member for releasing the shutter holding means, and means for counting the number of times said shutter occupies said position.

2,079,296
BOBBIN CLEANER
William Lonzo, Fitchburg, Mass., assignor to U S Bobbin & Shuttle Co., Manchester, N. H., a corporation of Rhode Island
Application July 29, 1936, Serial No. 93,207
7 Claims. (Cl. 26—19)



1. In a bobbin cleaning machine, the combination of a rotary stripping roll, means for supporting the roll at one end capable of allowing the roll to be turned upwardly about its extreme end, and a support for the roll at the other end having a hinged cap which can be turned back to allow the stripping roll to be tipped upwardly about its rear end for stripping the cloth and filling therefrom by hand.

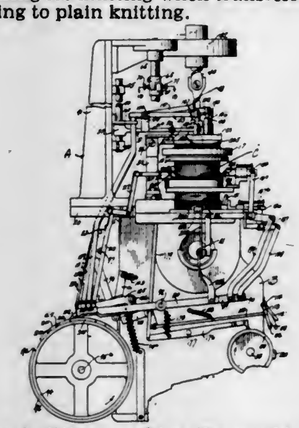
2,079,297
FILTER
Fowler Manning, Bronxville, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application July 30, 1936, Serial No. 93,324
8 Claims. (Cl. 183—69)



1. A composite air filter comprising, in combination, a pair of similar filtering elements arranged parallel to one another with their inner opposed faces in closely spaced relation and each element having a multitude of air passages extending therethrough; a combined spacing and stiffening means arranged between said elements and comprising a sheet of expanded metal arranged parallel to and engaging at opposite sides thereof the inner faces of said elements; and means for securely fastening the elements and expanded metal sheet together to form an inseparable unit.

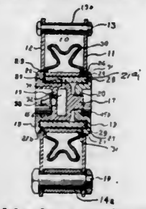
2,079,298
AUTOMATIC KNITTING MACHINE FOR TRANSFERRING FROM RIBBED TO PLAIN KNITTING
Harry McAdams, Reading, Pa., assignor to Nolde and Horst Company, Reading, Pa., a corporation
Application August 22, 1931, Serial No. 558,798
32 Claims. (Cl. 66—24)

4. In a knitting machine, two sets of needles, operating means therefor to produce ribbed or plain knitted fabric, said operating means including means to knit plain fabric on one of said sets of needles, means to knit ribbed fabric on all of the needles of the second set and the alternate needles of the set on which the plain fabric is knitted, and means for direct projection of the stitches by the needles of the second set into position to receive in the stitch loops thereof the said alternate needles of the first set which are inactive during rib knitting when transferring from rib knitting to plain knitting.



32. In a knitting machine the combination of two sets of needles, two rotatable carriers, one for each set of needles, means to drive one of said carriers, and means synchronized with the last mentioned means to drive the other carrier including a universal jointed connection to permit the last mentioned carrier to rotate in proper position with respect to the other carrier.

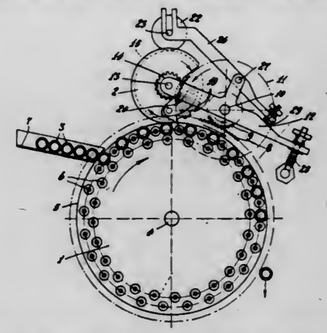
2,079,299
SHEAVE BLOCK
William H. McKissick, Tulsa, Okla.
Application May 8, 1936, Serial No. 78,717
7 Claims. (Cl. 254—190)



1. In a sheave block, a pair of side plates, a sheave arranged between the side plates, a sheave pin extending through said plates and said sheave and comprising separable members, means for joining said members together at their inner ends, flanges at the outer ends of said members adapted to bear against said plates, means cooperating between said members and said plates to secure said members against rotation relative to said plates, and means to prevent said relative rotation of said plates after the block is assembled.

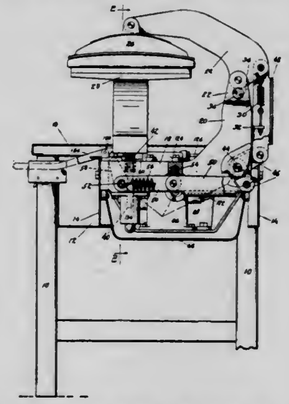
2,079,300
PRINTING PRESS FOR PRINTING ON REELS AND SIMILAR ROTATORY BODIES
Johannes Nunnikhoven, Helmond, Netherlands, assignor to J. A. Carp's Garenfabrieken N. V., Helmond, Netherlands, a corporation of the Netherlands
Application June 29, 1936, Serial No. 88,052
In the Netherlands July 2, 1935
6 Claims. (Cl. 101—38)

1. In a printing press for directly printing on reels and similar rotatory bodies with the aid of printing matrices, the combination of a continuously rotatable cylindrical carrier member, provided with a circumferential row of spaces



for receiving the reels, said spaces each being bounded by a number of rotatable rollers for supporting freely rotatively on their longitudinal axis the reels to be passed under a printing device with the aid of the said carrier member.

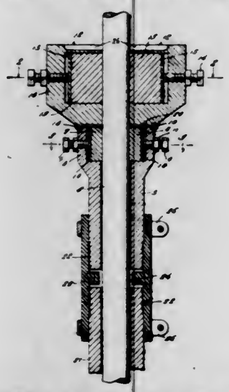
2,079,301
IRONING MACHINE
Wallace F. Oliver, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application May 11, 1933, Serial No. 670,612
16 Claims. (Cl. 38—25)



1. An ironing machine comprising a pair of ironing elements, an expansible means for moving one of the elements into operative position, expansible means for moving the other element to create an ironing pressure between the elements, means for supplying fluid under pressure to the expansible means and means operable only at a predetermined pressure to admit the fluid to the expansible means for actuating one of the elements.

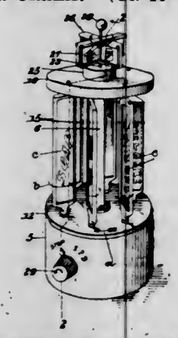
11. An ironing machine comprising a frame having spaced uprights, a buck supported on the frame, arms pivoted to the uprights, a head supported by the arms for cooperation with the buck, tension members connecting the arms to the uprights, toggles on the frame, means for actuating the toggles, bell crank levers pivoted to the toggles, and links connecting the bell crank levers to the arms supporting the head.

2,079,302
STUFFING BOX
George J. Parks, Rixford, Pa.
Application June 13, 1935, Serial No. 26,449
3 Claims. (Cl. 286—16)



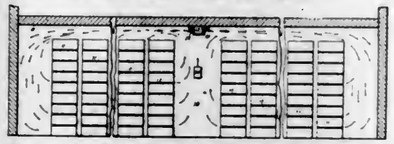
1. In a stuffing box for oil well pumping rods, an elongated body member having an axial opening therethrough adapted to receive a well pumping rod, said body having an enlargement at one end, complemental, hollow shell-like stuffing box sections respectively hinged to the enlarged end of said body member, each of said sections being opened on one side only and said sections at the open sides thereof having circular notches in their top and bottom walls for accommodating the well pumping rod, packing blocks slidably fitting within the hollows of said sections, and adjusting screws threaded through the outer walls of said sections and having inner ends for bearing engagement against said packing blocks for moving the latter into engagement with a well pumping rod.

2,079,303
ADVERTISING DEVICE
John B. Pinner, Suffolk, Va.
Application October 27, 1936, Serial No. 107,881
2 Claims. (Cl. 40—33)



1. An advertising device which consists of a plurality of vanes, supporting means on which the vanes are arranged in a main and circular group, a second group of vanes carried by the supporting means, means to revolve the supporting means in one direction, means to simultaneously revolve the vanes in the main group oppositely to the supporting means, and means driven by one of the main vanes simultaneously making the second group of vanes revolve in the same direction as the supporting means.

2,079,304
LEMON CONDITIONING AND RIND CURING SYSTEM
Lambert H. Polderman, Los Angeles, Calif., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware
Application October 26, 1934, Serial No. 750,064
4 Claims. (Cl. 99—154)



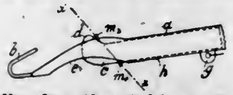
1. A method of curing lemons which comprises placing the lemons in an enclosure, maintaining the temperature within the enclosure in a range between 52 and 60 degrees F., maintaining the relative humidity in the enclosure in a range between 88–93 per cent and controlling the carbon dioxide content in the enclosure by causing a movement of conditioned air over the lemons to maintain the atmosphere in a condition suitable for development of desirable physical properties of the lemons.

2,079,305
COMPACT BAG
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application May 8, 1936, Serial No. 78,574
16 Claims. (Cl. 132—79)



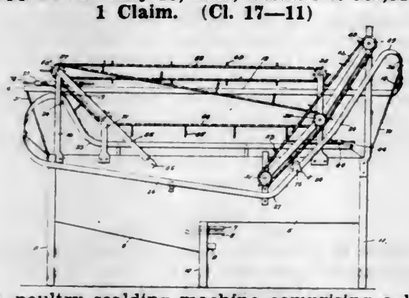
1. In combination, a bag having an opening, and a cover for said opening, said cover having a compartment, and a closure for said compartment comprising an additional compartment which lies generally above the closure and extends into the first mentioned compartment when the device is closed.

2,079,306
NEEDLE FOR TAKING UP DROPPED STITCHES
Emil Skriwan, Vienna, Austria
Application August 6, 1936, Serial No. 94,696
In Austria August 7, 1935
2 Claims. (Cl. 66—117)



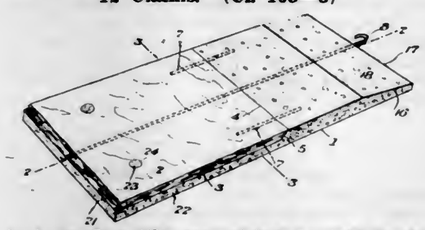
1. A needle for the taking up of dropped stitches in knitted and stockinette work, in which there is movable in the needle shaft a sliding member which closes and opens the mouth of the hook of the needle, characterized by the fact that the head of the sliding member is provided on its upper edge with a projection (*d*) extending above the upper edge of the shaft, and the shaft on its under side with a shallow arcuate recess (*e*) approximately equal in length to the extent of the forward movement of the sliding member and extending so far back that at all possible angles of incidence of the needle to the work the lower edge of the slide is exposed for engagement by the lower thread already at the commencement of the forward movement of the slide initiated by the upper thread coming up against the said projection (*d*).

2,079,307
POULTRY SCALDING MACHINE
Harley C. Truex and Leslie O. Brown, Columbus, Ind.
Application May 13, 1929, Serial No. 362,640
1 Claim. (Cl. 17—11)



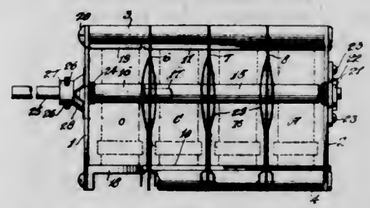
A poultry scalding machine comprising a hot water tank, an endless track arranged horizontally above said tank, said track having an outer U-shaped portion disposed without the confines of the tank, and an inner U-shaped portion overlying the surface of said tank, with the sides of said inner U-shaped track portion lying in vertical planes substantially parallel to the sides of the outer U-shaped track portion, and also at the open end of the U being bent upwardly and reversely to merge with the sides of the outer U-shaped track portion exteriorly of the tank and adjacent one end of the latter; a fowl carrier movable on said track, means arranged adjacent to portions of said track for moving the fowl carrier, said means including endless chains having lugs thereon to engage the fowl carrier for moving the latter over elongated portions of said track, and wheels with arms engaging the fowl carrier to move the latter around the curves at the ends of the track; and means for supporting said fowl carrier-impelling chains, wheels, and track on the tank.

2,079,308
COMPOSITE ROOFING TILE
Ernest B. Walton, Palm Beach, Fla.
Application January 30, 1936, Serial No. 61,622
12 Claims. (Cl. 108—8)



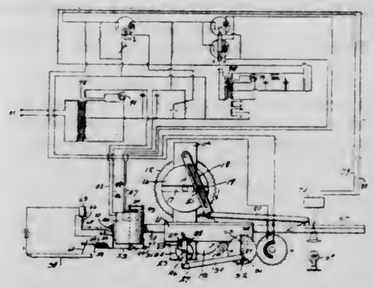
1. A roofing tile comprising a rigid backing of cementitious material having secured to one face thereof a facing of slate, the material of the back extending appreciably beyond the slate facing in one direction of the shingle and having a portion of the exposed upper face thereof lying substantially in the plane of said slate facing.

2,079,309
TEMPERATURE COMPENSATING CONDENSER
Melvin V. Weiss, Haddonfield, N. J., assignor to Radio Condenser Company, Camden, N. J.
Application May 14, 1936, Serial No. 79,667
9 Claims. (Cl. 175—41.5)



1. In a gang condenser comprising a frame including end members and a unit condenser for tuning an oscillator circuit while the other units of the gang are used to tune amplifier circuits associated with the oscillator circuit, means for compensating in the oscillator unit for differences in temperature in which the condenser is used, said means including; unit plates, the stator plates of which are separately supported on one of said end frame members, the rotor shaft being in two parts operatively connected, said oscillator unit rotor plates being on one of said shaft portions, said stator and rotor unit plates, together with that part of the shaft carrying said rotor plates, the stator supports and at least the end frame member carrying said supports, all being made of a material having substantially a zero temperature co-efficient, and means acting continuously on the gang rotor shaft to move it toward the end frame member carrying the said oscillator stator supports.

2,079,310
MECHANISM FOR PRODUCING PRINTING PLATES BY ELECTRIC ARCS
Joseph A. Bennett, Bloomington, Ind., assignor of one-half to Joseph W. Piercy, Bloomington, Ind.
Application October 31, 1933, Serial No. 696,096
24 Claims. (Cl. 178—5)



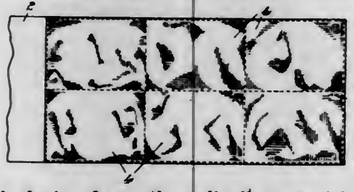
1. A method of forming a metal printing plate which consists in traversing a stylus across the face of the plate, in contact therewith, the metal plate and the stylus being in circuit with a source of current, causing the stylus to rapidly reciprocate against the face of the plate while it is traversing the plate, and varying the current passing into the stylus and across the gap to the plate in accordance with variations in the light and shade of a pattern.

2,079,311

DEVICE FOR EXERCISING ORTHOPEDICALLY AND MASSAGING THE UNSHOD HUMAN FOOT

Leo Blumenthal, Berlin-Charlottenburg, Germany

Application November 13, 1935, Serial No. 49,615
In Germany July 28, 1933
8 Claims. (Cl. 128—69)



1. A device for orthopedically exercising and massaging the unshod human foot, comprising a mat capable of forming a walking or running track for the patient and having a filling of bodies of such shapes that the friction between the bodies prevents a smooth sliding of the same over each other so that the mat presents a lumpy gravelly surface simulating rough unpaved ground in stimulating an arching action of the feet of the patient thereon.

2,079,312

PROCESS OF PRODUCING A NOVEL 8-HYDROXYQUINOLINE SALT

Friedrich Boedecker, Dahlem, near Berlin, Germany, assignor to Chinosolfabrik Aktiengesellschaft, Hamburg-Billbrook

No Drawing. Application November 27, 1933, Serial No. 700,017. In Germany December 9, 1932
8 Claims. (Cl. 260—41)

1. A process of producing a novel water-soluble salt of the 8-hydroxyquinoline, comprising converting 8-hydroxyquinoline and 5-sulfosalicylic acid in aqueous solution and in the presence of 1 atom of Na into the 8-hydroxyquinoline salt of the primary sodium-sulfosalicylic acid and separating out the salt.

2,079,313

METHOD FOR MAKING ALKALI-CELLULOSE AND PRODUCTS THEREFROM

Paul D. Clary and Franklin T. Georgeson, Eureka, Calif.

No Drawing. Application October 31, 1933, Serial No. 696,116
3 Claims. (Cl. 260—10)

1. In a continuous method for the manufacture of alkali cellulose which may be used in the formation of viscose, the step which comprises treating a relatively small constant flow of cellulosic material with a properly proportioned constant impregnating flow of alkali hydroxide solution of mercerizing strength in such manner that only substantially the exact predetermined amount of solution required by the chemical net essential to accomplish mercerization is added to avoid the necessity of expressing or removing any excess of alkali solution, a substantially constant production of alkali cellulose being thus obtained.

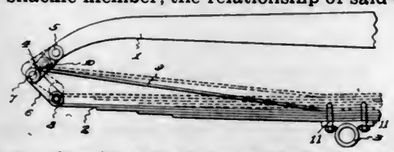
2,079,314

SPRING SUSPENSION FOR AUTO VEHICLES

William H. Collier, Jackson, Tenn.

Application April 14, 1936, Serial No. 74,352
8 Claims. (Cl. 267—19)

1. Spring suspension for auto vehicles, comprising a leaf spring, a spring supporting member, a shackle support, shackle members pivoted to said shackle support and to one end of said leaf spring respectively, said shackles being inclined at an angle to each other in normal riding position, and an oscillatable substantially rigid control member secured to said spring supporting member and having an outer end pivoted to one shackle member, the relationship of said con-



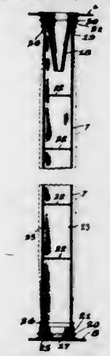
trol member to said spring and shackles being such that said outer end of the control member freely follows the oscillating movement of the shackles for the normal riding movements of the spring, said control member resisting movement of said shackles and opposing movement of the spring incident to the movement of the spring above and below its normal riding position.

2,079,315

DUST COLLECTOR

James H. Dickerson, New Philadelphia, Ohio

Application September 1, 1933, Serial No. 687,769
5 Claims. (Cl. 183—58)



3. In a gas filter, a substantially vertical open ended filter tube initially elongated in cross section, a series of flexible tension members extending between and attached to the elongated side walls of said tube at intervals along the height thereof, said tension members being of sufficient weight to draw in the sides of the tube somewhat from its original elongated cross sectional shape when no difference of pressure exists between the interior and exterior thereof but limiting the divergence of the connected joints upon an increase in internal pressure, whereby the tube walls shake when pressure changes alter their shape to dislodge accumulated solids therefrom.

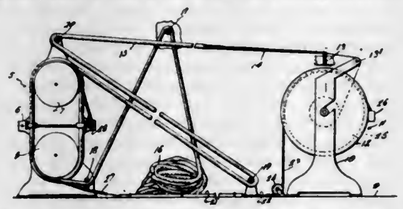
2,079,316

WARP WINDING DEVICE

David H. Garrett, Danville, Va., assignor of one-half to Albert Earle Garrett, Danville, Va.

Application June 5, 1936, Serial No. 83,784
1 Claim. (Cl. 28—32)

In combination, a warp winding device, a beamer including a comb over which the warp is run from a pile between the winding device and the beamer and on the rolls of the winding device, with the strands running through said comb and winding onto the beamer, a grooved head on one end of the beamer, and straps wound partly around the rolls of the winding device and in the groove of the head of the beamer, respectively, the strap on the winding device being tethered at one end to the frame of the device, means connecting the opposite end of the last-mentioned strap with one end of the strap on the beamer, and a block on the remaining end of the



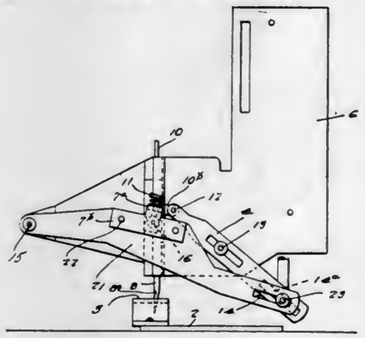
strap of the beamer and riding against the periphery of the head in any position to be grasped and pulled downwardly by the operator for the purpose of simultaneously tensioning the straps against the periphery of the head and against the peripheries of the rollers of the winding device for simultaneously slowing down and stopping the rolls and the beamer without touching either with the hands.

2,079,317

SEWING MACHINE ATTACHMENT

Earl Helle, Beardstown, Ill., assignor of fifty per cent to Lloyd M. McClure, Beardstown, Ill.

Application October 15, 1936, Serial No. 105,782
4 Claims. (Cl. 112—79)



1. In combination with a sewing machine having a head and a reciprocating needle bar, an attachment plate set on the base of the machine and serving as a bobbin cover, said plate having a material guide rising therefrom, and said guide having a lateral end portion provided with a slot, a plate secured to the head of the machine and provided with a tubular guide formation, a hole punching needle having a sliding fit in said tubular guide formation and a working end adapted to pass through the slot in said guide incidental to punching a hole in the material, a needle for pushing yarn through the hole punched by the punching needle and having a sliding fit with the hole punching needle, and mechanism operatively connecting the needle bar of the sewing machine with the hole punching needle and the yarn pushing needle respectively for transmitting movement of the needle bar to the hole punching and yarn pushing needles respectively for reciprocating said needles in reverse directions relative to one another.

2,079,318

ESTERS OF 2-PHENYL-QUINOLINE-4-CARBOXYLIC ACIDS

Hanns John, Prague, Czechoslovakia

No Drawing. Application November 3, 1934, Serial No. 751,424. In Czechoslovakia November 10, 1933
1 Claim. (Cl. 260—39)

The esters of 2-phenyl-quinoline-4-carboxylic acid of the general formula

$$\begin{array}{l} CH_2Z \\ | \\ CHX \\ | \\ CH_2Y \end{array}$$

wherein X represents a member of the group consisting of OH and OR; Y represents a member of the group consisting of OH, OR and halogen; and Z represents a member of the group consisting of OR and halogen; wherein at least one of X, Y and Z is OR; and wherein R represents the radical of the said acid.

2,079,319

SEAL FOR CONTAINERS

Wilfrid Andrew Kalber, Somerville, Mass.

Application February 7, 1935, Serial No. 5,448
15 Claims. (Cl. 134—17)



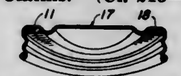
1. A coating composition comprising an aqueous dispersion of rubber, bentonite, karaya, and having in solution ammonia and zinc-ammonium benzoate.

2,079,320

SEAL FOR CONTAINERS

Wilfrid Andrew Kalber, Somerville, Mass.

Original application February 7, 1935, Serial No. 5,448. Divided and this application December 10, 1935, Serial No. 53,760
9 Claims. (Cl. 215—38)



9. A container closure having a sealing element thereon including rubber, the flocculated resultant product of the zinc cation with bentonite and titanium dioxide, and the water resistant resultant product of the zinc cation with ammonium alginate and casein.

2,079,321

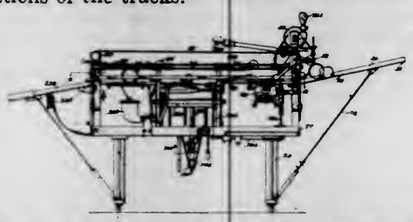
CAN LABELING MACHINE

Albert H. Kyler, Westminster, Md.

Application May 25, 1935, Serial No. 23,507
17 Claims. (Cl. 216—58)

1. In a can labeling machine, sectional tracks for guiding cylindrical cans as they roll through the machine, means for applying spots of glue to each can as it rolls along the tracks, label-supply means positioned beneath the tracks for supporting a stack of labels in such position that the spots of glue applied to a can will adhere to the leading edge portion of the topmost label and withdraw the label from the stack, means for applying glue to the trailing end portion of each label, means for propelling the cans along the tracks and for smoothing each label on to a can after it has been wrapped on the can, rotatable means associated with the leading sections of the tracks for spacing the cans as they roll into the machine, and adjustable means for reg-

ulating the distance between the rotatable means and the leading sections of the tracks, said adjustable means including a spring for yieldingly urging the rotatable means toward the leading sections of the tracks.



6. In a can labeling machine, can-guiding tracks along which cylindrical cans roll through the machine, means for propelling the cans along said tracks, a backwardly and forwardly moving member, a label platform arranged beneath the tracks and adapted to support a stack of labels and to supply them to the cans as the cans roll along the tracks, means for applying glue to each can and to each label, feeding means for the label platform actuated by said member, and means including a part arranged in the path of the rolling cans for controlling the periods when the platform feeding means is actuated by said member, said part being positioned at one side of the stack of labels and being normally prevented by the uppermost labels of the stack from engaging the cans.

10. In a can labeling machine, a frame, tracks supported by the frame and along which cylindrical cans roll through the machine, means for supplying spots of glue to each can as it rolls through the machine, means for supporting a stack of labels beneath the tracks and for feeding the labels to the cans as they roll along the tracks, means for circulating paste in an endless path and incluuding a hollow paste bar extending across the stack of labels, said bar comprising an outer apertured tube and an inner apertured tube, the inner tube being rotatable relatively to the outer tube for controlling the discharge of paste from the tubes, and adjustable gauge members supported by the paste bar and having depending fingers engageable with the side edge portions of the label stack.

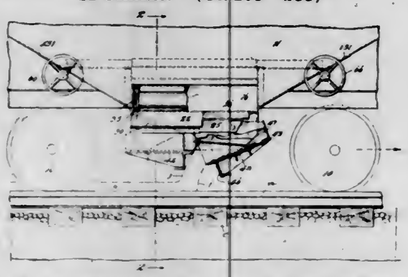
2,079,322

BALLAST CAR

John W. King, II, Plainfield, N. J.; John W. King, III, and Russell Fleming, administrators of said John W. King, II, deceased, assignors to Magor Car Corporation, New York, N. Y., a corporation of Delaware

Application June 7, 1930, Serial No. 459,659

41 Claims. (Cl. 105—253)



1. A railroad car for distributing ballast on the road bed selectively to the space on opposite sides of each rail, comprising a car body having a portion provided with inclined bottoms to form a hopper, and provided transversely of said hopper portion with a pair of outside discharge openings, one on each side of the car body and positioned to the outside of the plane of the adjacent car wheels, closures for regulating the rate of discharge of ballast through said outside openings, said hopper portion also provided with four inside openings, two on each side of the longitudinal medial plane, and the two on each side of said plane being disposed in tandem, one opening into the other, closures for each of said inside openings disposed to turn about transverse axes, and the closures on each side of said medial plane opening downwardly and away from each other, and means for regulating the degree of opening of said closures thereby to control and proportion the discharge to different parts of the road bed, each of the closures for the inside opening provided with a deflector positioned in the plane of the adjacent car wheel and disposed to distribute the lading discharge from its associated inside opening to the spaces on opposite sides of the adjacent rail.

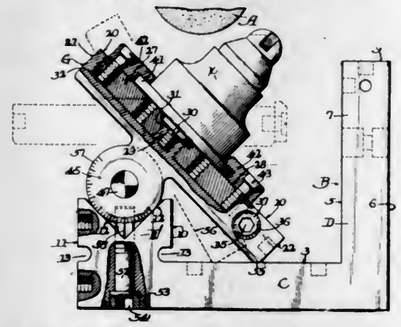
2,079,323

WORK HOLDER FOR MACHINING OPERATIONS

Aleksa B. Kokotiak, Chicago, Ill.

Application October 24, 1934, Serial No. 749,793

8 Claims. (Cl. 90—59)



1. In a work holder of the class described, the combination of a supporting base member having a leg member disposed at an angle thereto at one end and also forming a supporting member and a V-block portion at its other end, said V-block portion having a V-shaped groove, an adjustable angle plate detachably mounted in said V-groove and including a plate member having a cylindrical portion on one side rotatably adjustable in said V-groove to position the plate member in various angular relations to said base and leg members, and means for clamping said cylindrical portion in its adjusted position.

2,079,324

METHOD OF PRODUCING FERTILIZERS

Carl Krauch, Heidelberg, Carl Eyer, Ludwigshafen-on-the-Rhine, and Otto Schliephake, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application December 23, 1933, Serial No. 703,830. In Germany April 18, 1928

12 Claims. (Cl. 71—60)

1. The process of producing a fertilizer containing ammonium nitrate which comprises introducing finely divided calcium carbonate into a melt of ammonium nitrate, while restricting the water content of the components so that their mixture contains at the most 10 per cent of water, mixing uniformly and solidifying the mixture.

2,079,325

PROCESS FOR THE PREPARATION OF LACTONES

Arthur W. Larchar, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

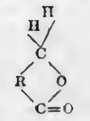
No Drawing. Application March 30, 1935, Serial No. 13,907

8 Claims. (Cl. 260—123)

1. In the process of catalytically hydrogenating an anhydride of the general formula



to a corresponding lactone of the general formula



where R is a radical selected from the group consisting of phenylene, homologs of phenylene, naphthylene, hexahydrophenylene, 1,1,5-trimethyl cyclopentylene (2,5) and $(CH_2)_n$, where "n" is from 2 to 4, inclusive, the improvement which comprises carrying out the catalytic reaction in the liquid phase in the presence of an ester derived from a lower monohydric aliphatic alcohol esterified with a lower fatty acid.

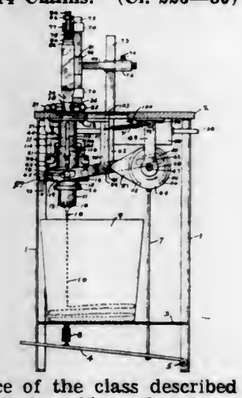
2,079,326

SHRINKING SEAL APPLICATOR

Sidney H. Levy and Morton Ginsberg, Baltimore, Md., assignors of thirty-three and one-third to Howard J. Whelan, Baltimore, Md.

Application December 2, 1935, Serial No. 52,494

14 Claims. (Cl. 226—80)



1. A device of the class described comprising in combination, a table, a frame supporting the table, means for holding a capped bottle or package on the table, a casing attached to the table for guiding shrinking-seal material to the holder adjacent the capped bottle, means for placing said material thereon, means for automatically cutting the material in predetermined sizes and while "set" on the capped bottle ready for sealing.

2,079,327

GRILLE COVER

Robert E. Linn, Detroit, Mich.

Application August 31, 1936, Serial No. 98,715

7 Claims. (Cl. 257—132)



1. For use with a grille of vertical bars having horizontal cross pieces, a grille cover of fabric or the like having, at its opposed edges, stiffening and reinforcing rods each of which, at or near its two ends, has a hook-like formation for supporting and stretching the cover, the rods being permanently secured to the cover so as to be applicable to or removable from the grille with the cover, the hook-like end formations cooperating with the parts of the grille to interlock the rods to the grille and thus to support and stretch the cover over and in front of the grille.

2,079,328

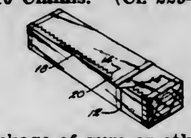
PACKAGE AND METHOD OF FORMING THE SAME

Douglas M. McBean, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York

Application June 27, 1933, Serial No. 677,819

Renewed July 29, 1936

10 Claims. (Cl. 229—51)



1. In a package of gum or other package having an outer wrapper of cellulose acetate, the improvement which comprises a tab projecting from the outer edge of the cellulose acetate wrapper and a fold in the cellulose acetate wrapper providing a reinforcing strip portion extending about the package with one end extending through said tab.

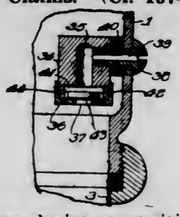
2,079,329

WATER FLUSHING DEVICE

Alexander W. Moseley, Evanston, Ill., assignor to Sloan Valve Company, Chicago, Ill., a corporation of Illinois

Application July 22, 1927, Serial No. 207,622

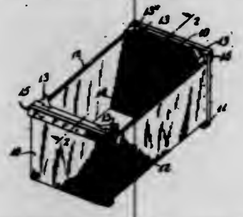
6 Claims. (Cl. 137—69)



2. A flushing device comprising a connection leading from the source of water supply to the

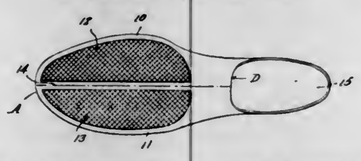
device to be flushed, a valve forming a part of said connection for controlling the flow of the water therethrough, a casing located in said connection and closed at the top, said casing having a passageway extending therethrough, a support connected with said casing and having a passageway therethrough communicating with the passageway in the casing.

2,079,330
KNOCK-DOWN FRUIT CRATE
Jack Norinsberg and Charles Lee Roye, Brooklyn, N. Y.
Application July 6, 1935, Serial No. 30,052
3 Claims. (Cl. 217—12)



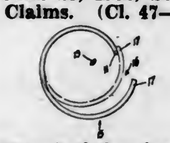
1. A collapsible fruit crate, comprising a pair of spaced end walls having strips along the bottom inner edges thereof, side walls to extend between the end walls, key strips attached on the end of the side walls and engaging with grooves along the side portions of said end walls to hold the walls together, a bottom wall freely resting on said side strips, the side walls extending over the side edges of the bottom wall to hold it against lateral displacement, lower edges of the key strips resting against the top of the bottom wall to hold it against transverse displacement, and members adjustably mounted on the key strips for engaging against the top face of the bottom wall, each key strip being formed with a vertical recess in which the member engages, each member having longitudinal slots through which nails pass and by which the member is adjustably mounted.

2,079,331
SANDAL OVERSHOE
Barney R. Nyhagen, New York, N. Y.
Application January 8, 1936, Serial No. 58,128
2 Claims. (Cl. 36—7.4)



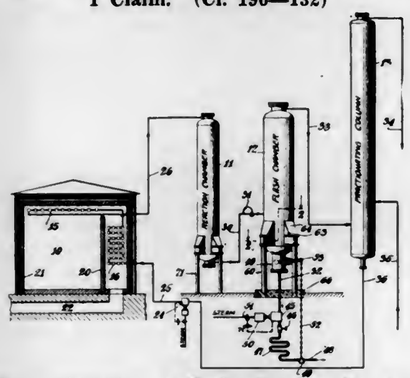
1. A foldable sandal type overshoe constructed of waterproof elastic material including two identically shaped portions disposed parallel to and in flat contact with each other when folded, and contoured to provide when unfolded a covering for the sole and forepart of the upper, a pair of angularly related loops, one extending rearwardly and adapted to fit around the heel portion of the upper and the other extending upwardly to fit over the instep, and relatively thick roughened tread areas on the sole covering part of each of said areas having the adjacent inner edges thereof spaced apart and located on opposite sides of a relatively thinner linear portion constituting a fold line.

2,079,332
WIRE PLANT SUPPORT
Elmer G. Overly, Greensburg, Pa.
Application June 25, 1936, Serial No. 87,171
5 Claims. (Cl. 47—47)



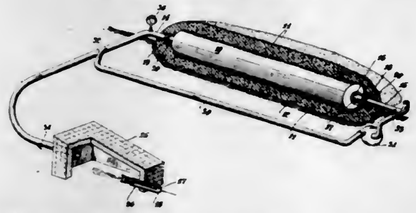
1. A plant-support of the class described, consisting of a single piece of wire having an upright shank portion and a stalk-confining substantially horizontal uniplanar whorl portion bent in volute formation from the upper end of said shank and terminating in a free end disposed with a gap between said terminal and the axis of the shank considerably in excess of the thickness of the stalk to be confined, being adapted for insertion into the soil alongside of the stalk, and for revolution of the whorl thereafter to confine the stalk while free from contact therewith.

2,079,333
LIQUID TREATING VESSEL AND SUPPORT THEREFOR
Ralph M. Parsons, Mount Vernon, Ohio, assignor to The Ralph M. Parsons Company, Mount Vernon, Ohio, a corporation of Delaware
Application March 2, 1935, Serial No. 8,989
1 Claim. (Cl. 196—132)



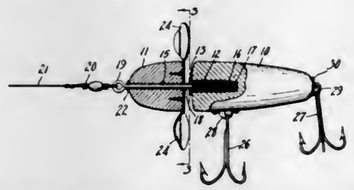
In combination, a flash chamber for an oil cracking plant having a bottom well of smaller cross-section than said chamber adapted to receive liquid therefrom, a discharge port in said well below the level of said liquid, a float in said well operable in response to changes in liquid level therein, a discharge line connected to said port, said line having a valve to control the rate of discharge of the liquid, a cooling coil in said line ahead of said valve to cool the liquid prior to passage therethrough for preventing coking or clogging of said valve, a constant pressure pump in said line ahead of said cooling coil to rapidly withdraw liquid from said well when said valve is open but being adapted to prevent excessive pressures from being developed when said valve is closed or restricted and means connecting said float to said valve for automatically operating said valve so as to maintain a liquid level in said well sufficient to cover said discharge port while maintaining a small exposed surface and a minimum quantity of liquid in said well whereby the liquid is rapidly withdrawn from the chamber and transfer of heat thereto is reduced to a minimum.

2,079,334
METHOD AND APPARATUS FOR ANNEALING
Ralph M. Parsons, Mount Vernon, Ohio, assignor to The Ralph M. Parsons Company, Mount Vernon, Ohio, a corporation of Delaware
Application March 2, 1935, Serial No. 8,993
4 Claims. (Cl. 148—13)



2. The process of annealing a large hollow article without using an annealing oven which comprises sealing the article against escape of gases therefrom, heat insulating the outside thereof, introducing a hot fluid into said article, causing the fluid to pass entirely through said article for uniformly heating the walls thereof and then to be discharged therefrom, and obtaining the temperature-time characteristic required for annealing by controlling the temperature and rate of flow of said fluid.

2,079,335
FISH LURE
Charles T. Pflueger, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio
Application May 26, 1933, Serial No. 673,041
2 Claims. (Cl. 43—47)

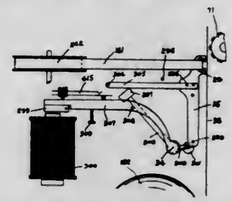


1. A bait structure comprising a body portion having fishhooks thereon and locally formed at its front end with an axial recess, a tubular sleeve threaded in said recess and formed with an aperture of reduced size at its forward end, a shaft extending through said aperture and into said sleeve, a compression spring mounted upon the shaft within said sleeve adapted normally to urge said shaft rearwardly, a head journaled on the forward end portion of the shaft, and means for connecting a fish line to the front end of the shaft.

2,079,336
SHORTENING COMPOUND AND PROCESSES OF PREPARING THE SAME
Anderson W. Ralston and Victor Conquest, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 1, 1935, Serial No. 8,958
12 Claims. (Cl. 99—163)

1. A substantially anhydrous shortening compound containing a solid glyceride in quantities normally tending to develop grain formation therein and a small amount of an ammonium soap to inhibit such grain formation.

2,079,337
TYPEWRITER
William C. Roe and Fred J. Heavens, Elyria, Ohio, assignors, by mesne assignments, to Printel Communication Systems, Inc., New York, N. Y., a corporation of New York
Original application September 11, 1926, Serial No. 134,882. Divided and this application October 22, 1930, Serial No. 490,466. Renewed May 5, 1934
11 Claims. (Cl. 197—49)



1. In a typewriter mechanism, a type wheel, a ribbon, a printing hammer, a ribbon elevator, means to elevate the elevator and a stop for the elevator, said hammer being pivotally associated with the elevator and communicating shifting movement thereto and adapted responsive to stoppage thereof, by inertia effect, to be swung upon its pivot to effect a printing operation cooperatively with said ribbon and type wheel.

2,079,338
CEMENTITIOUS MATERIAL
Carlisle K. Roos, Fort Dodge, Iowa, assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application January 19, 1925, Serial No. 3,477
5 Claims. (Cl. 106—24)

1. A composition of matter comprising a cementitious material having an aggregate of bubbles incorporated therein to increase its normal bulk, the walls of said bubbles being reinforced with a colloidal agent from the group comprising gelatin, gum arabic, farinaceous paste, rice flour and dextrin to render them tough and pliable.

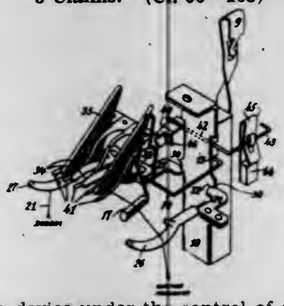
2,079,339
OPAQUE VITREOUS ENAMEL COMPOSITION
Robert R. Shively, Washington, Pa., assignor to B. F. Drakenfeld & Co., Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 27, 1934, Serial No. 741,737
12 Claims. (Cl. 106—36.2)

1. A composition for the production of a vitrifiable enamel comprising lead borate and a compound of the group consisting of lead phosphomolybdate, lead phosphotungstate, and lead phosphovanadate.

2,079,340
FOOD PRODUCT
Herbert J. Smith, University City, Mo., assignor to Ralston Purina Company, St. Louis, Mo., a corporation of Missouri
No Drawing. Application May 10, 1934, Serial No. 724,909
7 Claims. (Cl. 99—2)

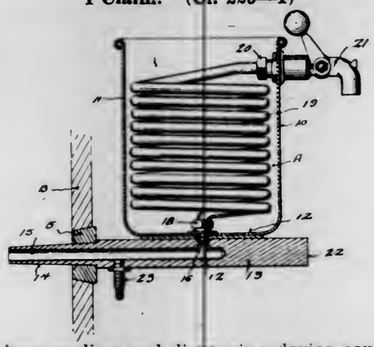
1. An animal feed comprising food ingredients which would otherwise have a laxative effect on the animal, but containing sufficient beet fibre to counteract the laxative effect.

2,079,341
YARN CONTROLLING DEVICE FOR KNITTING MACHINES
Jacob Wachsman, Brooklyn, N. Y.
Application June 5, 1935, Serial No. 25,004
3 Claims. (Cl. 66—163)



1. In a device under the control of a traveling thread, a thread controlling device comprising a pivoted member consisting of a plurality of spaced thin fingers adapted to support the traveling thread, means constantly urging said fingers to lift the thread, a second pivoted member consisting of a plurality of spaced porcelain fingers in staggered relation to the said thin fingers, some of said porcelain fingers supporting the thread, some of said porcelain fingers resisting upward movement of the thread caused by the lifting action of the said thin fingers and means supporting the said two sets of fingers in cooperative relation.

2,079,342
COOLING AND DISPENSING DEVICE
Bert T. Welsh, Milwaukee, Wis.
Application May 20, 1936, Serial No. 80,776
1 Claim. (Cl. 225—1)



A beer cooling and dispensing device comprising, a bung starter, a vertically disposed receptacle disposed above the starter including a side wall and a bottom wall, the bottom wall being connected directly with the upper face of the starter, a faucet carried by the receptacle, the starter having a longitudinal bore therein terminating short of the outer end thereof, and a lateral passageway communicating with the bore, a fitting extending through the bottom wall of the receptacle and into said passageway, a cooling coil disposed within the receptacle having its opposite ends connected respectively to the faucet and the fitting, and a tapered extension formed on the inner end of the starter, the opposite ends of the starter extending beyond the receptacle, the outer end of the starter constituting a striking face.

2,079,343
PROCESS FOR THE PRODUCTION OF MOLDED ARTICLES BY PRESSING
Franz Fischer and Otto Horn, Mulheim-on-the Ruhr, Germany, assignors to the firm Studien- und Verwertungs-Gesellschaft m. b. H., Mulheim-on-the-Ruhr, Germany
No Drawing. Application December 2, 1933, Serial No. 700,749. In Germany December 10, 1932
11 Claims. (Cl. 18—47.5)

1. A process for the production of molded bodies which consists in first preparing a molding composition by intimately mixing an aromatic amine with one or more powdered carbonic fuels selected from the group consisting of anthracite, brown coal, lignite and peat, and then molding said composition under pressure and at a temperature of from 150–180° C., said heat and pressure molding resulting in hard heat resistant articles having high electrical insulating properties.

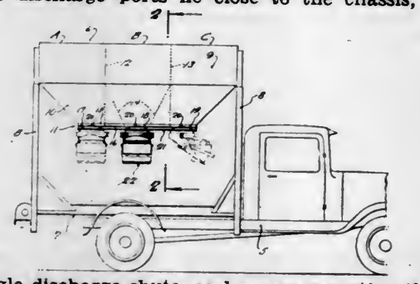
2,079,344
THERMOMETER FOR MELTING POINT APPARATUS
William O. Geyer, Bloomfield, N. J.
Application August 31, 1935, Serial No. 38,713
5 Claims. (Cl. 73—151)



2. A thermometer for melting point apparatus, the bulb end of said thermometer being provided with means to support and sustain at least one tubular member in axial parallel spaced relationship with said end, said means comprising a plurality of annular extensions disposed about the periphery of said thermometer a distance from said bulb end, the annular openings of said extensions at least approximating the outside diameter of said tubular member, and means integral with the said bulb end to receive and retain the bottom of said tubular member when disposed within said annular extension.

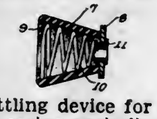
2,079,345
AUTOMOBILE TRUCK
Michael V. Gilson, Fredonia, Wis., assignor to Gilson Brothers Company, Fredonia, Wis., a corporation of Wisconsin
Application October 9, 1935, Serial No. 44,219
3 Claims. (Cl. 298—7)

1. In combination with an automobile truck having a chassis supported in part by rear wheels, a hopper body divided into a number of separate compartments, each of which has its own discharge port with sloping walls leading thereto, said discharge ports lying on the same horizontal plane, means mounting the body from the chassis for movement between an elevated unloading position and a lowered traveling position at which the discharge ports lie close to the chassis, a



single discharge chute, and means mounting the discharge chute from the body for movement from a position hanging down into the chassis to positions of alignment with any of the discharge ports when the body is elevated.

2,079,346
ANTIRATTLING DEVICE FOR DOORS
Harry Golden, New York, N. Y., assignor to Magna Products Corp., New York, N. Y.
Application June 3, 1936, Serial No. 83,211
1 Claim. (Cl. 16—86)



In an anti-rattling device for doors, a conical spring, a rubber casing encircling the spring and having an annular flange covering the large coil of the spring, a washer, and a grommet connecting the spring and washer.

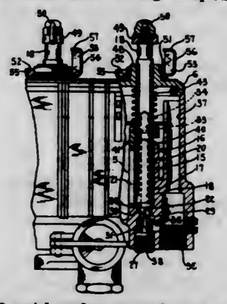
2,079,347
PROCESS OF PREPARING UNSATURATED SULPHATE ESTERS
Anthony James Hallwood, Altrincham, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 16, 1932, Serial No. 633,451. In Great Britain September 21, 1931
2 Claims. (Cl. 260—99.12)

1. A process of preparing chemical products especially useful as cleansing, softening and scouring agents which comprises reacting an unsaturated long chain alcohol having 10 to 20 carbon atoms per molcule with an alkali metal pyrosulphate and an amine forming an addition product therewith.

2. A process of preparing oleyl sulphate free from sulphonation at the double bond, which comprises reacting upon oleyl alcohol with an alkali-metal pyrosulphate and pyridine, the quantity of pyridine being in excess of equimolecular proportions as compared to the pyrosulphate.

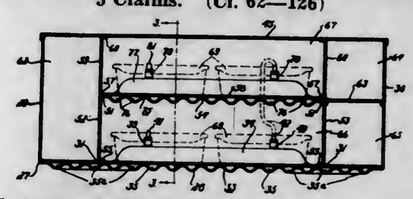
2,079,348
VALVE
Albert G. Hann, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Original application January 29, 1935, Serial No. 3,905. Divided and this application May 10, 1935, Serial No. 20,724
11 Claims. (Cl. 251—39)

7. A device for controlling the flow of fuel to a burner comprising a casing having a chamber for liquid fuel, wall means in said chamber and providing a valve chamber, said valve chamber having an outlet port, a valve member in said valve chamber for controlling said port, said wall means surrounding said valve member in close proximity thereto, a cam surface formed on the upper end of said wall means and surrounding said valve member, a cam follower carried by said valve member and cooperable with said cam surface, a substantially vertically extending slot in said wall means providing communication between said first-named chamber and said valve chamber, said slot running out at the highest point on said cam surface with the lower end of said slot being disposed above the



lower end of said valve member when said valve member is in closed position, said valve member being in closed position when said follower member overlies said slot, said valve member upon rotation in one direction being gradually moved away from said port by cooperation of said cam surface and said follower member and to a position to obtain a regulated flow from said port for normal burner operation, said valve member also being rectilinearly movable to a position where unregulated flow through said port is quickly obtainable to flood the burner, and a spring for automatically returning said valve member from the position of unregulated flow when the valve member is released.

2,079,349
REFRIGERATING APPARATUS
Edward Heitman, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application October 26, 1933, Serial No. 695,231
5 Claims. (Cl. 62—126)

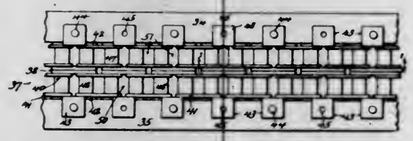


1. In a refrigerating apparatus, a sheet metal evaporator including sheet material horizontally disposed to provide a refrigerant containing section, sheet material extending vertically from the opposite ends of the horizontal section to provide outside walls of the evaporator, a plurality of vertically extending walls intermediate said side walls dividing said evaporator into a central freezing compartment and laterally disposed storage compartments, a second refrigerant containing section joining said intermediate vertical walls and forming a wall of the central freezing compartment.

2,079,350
PIGMENTED PRODUCTS
Maldwyn Jones, Walter Fairbairn Smith, and Alexander Stewart, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 8, 1935, Serial No. 10,128. In Great Britain March 8, 1934
9 Claims. (Cl. 106—23)

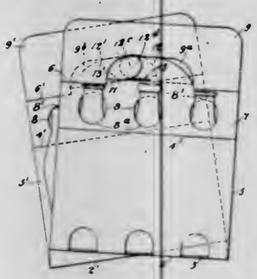
1. A process for making stable, homogeneous compositions suitable for coloring rubber and rubber-like materials comprising colloidally dispersing in the presence of a protective colloid, a rubber-containing material, a finely-divided pigment, and a free fatty material which is substantially solid at room temperature but liquid at the temperature of the mixing operation, the fatty material and rubber content of said mixture being substantially equal in proportion, and drying the resultant mixture.

2,079,351
DRIVE BELT
Oscar I. Judelshon, Park Ridge, N. J.
Application November 19, 1935, Serial No. 50,495
3 Claims. (Cl. 74—236)



1. A transmitting belt including a chain extending lengthwise of the belt, said chain having cross pins, longitudinally extending links pivotally connected with said cross pins, the outer links on the outer sides of said chain having laterally extending plates, members disposed at opposite sides of said chain and extending lengthwise the full length of the belt, said side members composed of pliable belt material, and rivets passing through said plates and said side members to unite them together.

2,079,352
BOTTLE-CARRYING CARTON
Claude D. Keith, New York, N. Y., assignor of one-half to Charles E. Culpeper, Norwalk, Conn.
Application December 31, 1935, Serial No. 56,866
3 Claims. (Cl. 224—45)



1. A flexible bottle-carrying carton comprising a flexible body having a pair of inclined neck-engaging body-portions provided with upper edge portions abutting each other above the body portions of the bottles and upwardly-extending handle members having handle openings and provided at their base portions with hinged connections to said inclined body portions, said inclined body portions being provided with a pair of fastening elements projecting into said handle openings and formed integrally with said inclined body portions, each fastening element comprising an extension base member projecting upwardly in the plane of said inclined body portion beyond the hinged connection between said base-portions of the handle members and said inclined body-portion to cause separation and spacing of said handle base portions, and a tongue-member integral with said extension base-member, each of said tongue members comprising a free tongue portion offset from said extension base-member by a kerf, and a connecting portion continuous with said extension base-member, said tongue members extending toward each other and said free tongue portions being arranged in reversed relationship to permit inter-engagement of the kerfs and connecting portions thereof, whereby said interengaging tongues and kerfs will be positioned between spaced base-portions of the handle members.

2,079,353
NOSE PAD GUARD MOUNTING CONSTRUCTION
Louis H. Klein, Chicago, Ill.
Application August 2, 1935, Serial No. 34,365
2 Claims. (Cl. 88—49)

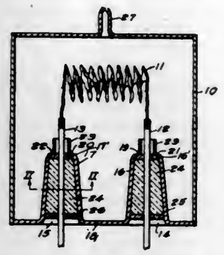


2. A lens mounting construction for eye glasses and spectacles comprising a guard supporting bracket having means for securing it in position with respect to the lens, a guard, and means for adjustably mounting said guard on said bracket, said bracket having an opening therethrough, and said mounting means comprising a pin secured to said guard slidably and tiltably but non-rotatably mounted in said opening, and a pair of bow springs having openings through which said pin extends, said springs having their middle portions spaced from each other and their ends in engagement with each other and exerting pressure on the guard, one of said bow springs having an intermediate curved portion and said bracket having a substantially flat surface extending a substantial distance on both sides of the pin on which surface the intermediate curved portion of the spring may rock with a chair rocker action to bring different parts of the curved portion of the spring into engagement with said flat surface, thereby shifting the effective fulcrum about which the bow spring rocks to enable the guard to adjust itself to the wearer.

2,079,354
VACUUM SEAL
Dewey D. Knowles, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 24, 1935, Serial No. 17,948
13 Claims. (Cl. 250—27.5)

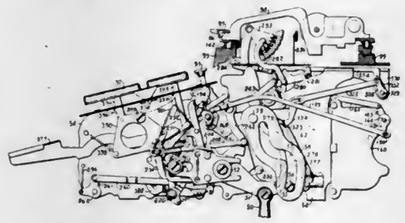
1. The method of constructing an electron discharge device which comprises forming a metal casing as the anode thereof with the cathode inside and having the cathode leads extending through openings in the casing, surrounding the

cathode leads with vitreous material substantially closing said openings and simultaneously heat-



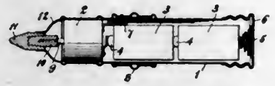
treating the parts of said device and sealing said openings.

2,079,355
AUTOMATIC OVERDRAFT DEVICE FOR CALCULATING MACHINES
Charles L. Lee, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application April 14, 1932, Serial No. 605,160
23 Claims. (Cl. 235—60)



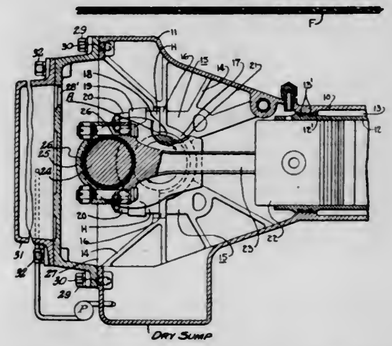
23. In a calculating machine, normally operable in single cycle operations, an add-subtract totalizer, non-accumulating storage devices, printing means, means to release the machine for a single cycle of operation and a cycle controlling means operable to control the operation of the totalizer, storage devices, printing means and release means during three cycles of operation and according to a predetermined schedule for printing a true negative total.

2,079,356
APPARATUS FOR ERASING
Hermann Lukowski, New York, N. Y., assignor to Automatic Eraser Corporation, New York, N. Y.
Application March 25, 1935, Serial No. 12,794
2 Claims. (Cl. 120—36)



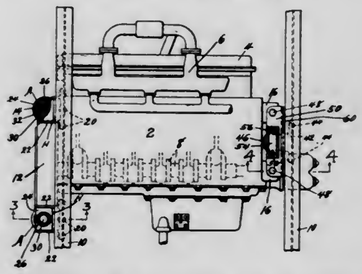
1. A power driven eraser device comprising a casing, a power source therein having a shaft extending axially from the casing, a split sleeve frictionally engaged on said power shaft, a rubber eraser having a cylindrical portion mounted on said sleeve, said eraser having a conical outer end terminating in a rounded point, and a dust guard removably and rotatably carried on the cylindrical portion of said eraser.

2,079,357
INTERNAL COMBUSTION ENGINE
Harold L. Morris, Berkeley, Calif., and Frederick E. Dayes, Philadelphia, Pa., assignors to American Car and Foundry Motors Company, New York, N. Y., a corporation of Delaware
Application October 21, 1933, Serial No. 694,552
7 Claims. (Cl. 121—194)



1. In a horizontal engine, in combination, an engine block, a crank-case associated with the engine block and extending laterally therefrom, bearings provided in the crank-case, a crank-shaft mounted in the bearings, the crank-case having an open side to give access to the bearings of the crank-shaft, a cover plate removably mounted on the crank-case closing the open side, the cover plate having an opening therein and an oil reservoir mounted on the cover plate over said opening.

2,079,358
SUSPENSION MEANS FOR INTERNAL COMBUSTION ENGINES
Harold L. Morris, Berkeley, Calif., and Frederick E. Dayes, Philadelphia, Pa., assignors to American Car & Foundry Motors Company, New York, N. Y., a corporation of Delaware
Original application October 21, 1933, Serial No. 694,552. Divided and this application October 3, 1934, Serial No. 746,708
4 Claims. (Cl. 248—9)



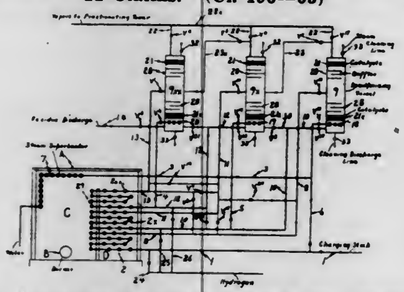
2. A supporting structure for suspending a horizontal motor from a frame including a horizontal trunnion at one end of the motor, means for limiting the oscillatory movement of the trunnion supported end of the motor, means for supporting the opposite end of the motor comprising resilient vertically disposed pivot assemblies including pintles arranged on each side of the trunnion axis and extending below the latter, and hangers fixed to the frame and engaging the upper extremity of the pintles.

2,079,359

PROCESS AND APPARATUS FOR DESULPHURIZATION AND CONVERSION OF OILS OF DIFFERENT CHARACTERISTICS INTO LOWER BOILING POINT HYDROCARBON PRODUCTS

Ernest A. Ocon, New York, N. Y.

Application August 9, 1934, Serial No. 739,080
11 Claims. (Cl. 196—63)



1. Apparatus for desulphurizing and converting oils into lower boiling point hydrocarbon products, comprising a kiln, means dividing the kiln into combustion and convection sections plurality of sets of heating tubes comprising preheating tubes primarily disposed in the convection section of lowest heat, a set of tubes primarily disposed in the convection section of intermediate heat, and a set of tubes primarily disposed in the convection section of highest heat, each set of tubes including an area thereof disposed within the combustion section of the kiln a burner in the combustion section of the kiln, a plurality of desulphurizing members disposed exteriorly of the combustion and convection sections of the kiln, means for leading a mixture of oil and steam to the set of tubes of lower heat adapted to preheat said mixture, means for discharging the treated mixture from said tubes in a single stream to one of said desulphurizing members, means for leading the liquid from said desulphurizing member to the set of tubes receiving an intermediate and cracking heat, means for discharging the treated mixture from said intermediate tubes to a second of said desulphurizing members, means for leading liquid from said second desulphurizing member to the set of tubes having higher temperature than the second named sets, means for leading the treated materials from said set of tubes of higher heat to one of said desulphurizing members, and means for discharging vapors from said desulphurizing members.

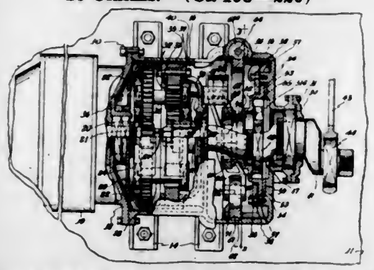
3. A process for treating heavy hydrocarbon oil to produce liquid lower boiling point products, which comprises the initial heating of a mixture of oil and steam in proportion below 12 pounds of steam per gallon of oil to a temperature not in excess of 700° F. under pressure not exceeding 250 pounds per square inch, removing the heated mixture and subjecting the same to expansion and the action of catalytic materials of the desulphurizing type, under reduced heat and pressure, returning the heavier fractions of the mixture to a heating zone and subjecting the same together with additional steam to a plurality of stages of cracking, the stages of cracking being under the influence of successively higher heat and higher pressure than that of the initial heating stage, and following each stage of cracking removing the vapors and unvaporized liquid products and subjecting the same separately to catalyzation under expansion and reduced heat and under superatmospheric pressure, the catalytic materials in at least one stage of catalytic action following a cracking stage being of the desulphurization type, and the remaining catalytic materials being of the hydrogenation type.

2,079,360

DRIVE MECHANISM FOR SHAKER CONVEYERS

Glenn W. Packer, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application September 27, 1934, Serial No. 745,655
Renewed September 4, 1936
16 Claims. (Cl. 198—220)



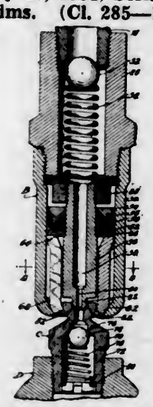
1. In a shaker conveyer drive, a driving shaft, a driven shaft having a crank thereon, drive gearing for rotating said crank with a predetermined variable angular velocity during each revolution thereof including an orbitally movable pinion, a reaction member movable in opposite directions during each revolution of said crank meshed with said pinion, and means for reciprocably moving said reaction member in timed relation with said crank including a yoke mounted for translational movement in one plane, a member guided in said yoke for slidable movement in a plane disposed transversely to the plane of movement of said yoke, means for reciprocably moving said member in said yoke in one plane and simultaneously moving said yoke in a transverse plane, and an operative connection between said yoke and reaction member.

2,079,361

LUBRICATING APPARATUS

Charles F. Raisch, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application May 17, 1934, Serial No. 726,046
4 Claims. (Cl. 285—169)



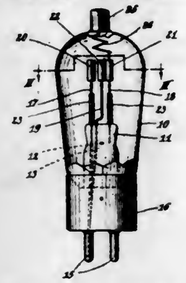
4. In lubricating apparatus of the class described, the combination of a nipple, a nozzle adapted to form a quick detachable swiveling connection with said nipple, said nozzle comprising a sleeve, a tube therein having a discharge passageway therethrough, said tube terminating in a convexly spherical sealing surface, locking jaws confined between said tube and said sleeve, said locking jaws having spherical surfaces, the spherical surface of said tube and the spherical surfaces of said jaws having a common center, and means for urging said jaws toward locking position, said nipple having a pair of concentric surfaces for coaction with the spherical surfaces of said nozzle.

2,079,362

RELAY TUBE

Harvey C. Rentschler, East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 1, 1934, Serial No. 723,311
2 Claims. (Cl. 250—27.5)



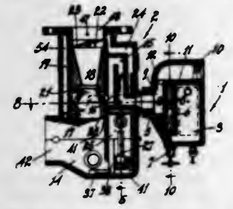
1. A relay tube of the gaseous conduction type comprising an envelope having a press, a plurality of supports sealed in said press, a plurality of electrodes within said envelope comprising a main anode, a starting anode and a cathode secured to said supports, said electrodes being of cylindrical form and having their longitudinal axes in substantial parallelism and bodily spaced apart, and a rare gas within said envelope, said starting anode and cathode being spaced a distance of about one millimeter and said main anode and cathode being spaced a distance approximately three times the distance between said starting anode and cathode, the gas in said envelope being at a pressure between twenty and fifty millimeters of mercury.

2,079,363

CARBURETOR FOR LOW GRADE HYDROCARBONS

Donald L. J. Smith, Long Beach, Calif., assignor to George F. Smith, Long Beach, Calif.

Application November 26, 1934, Serial No. 754,789
11 Claims. (Cl. 48—107)



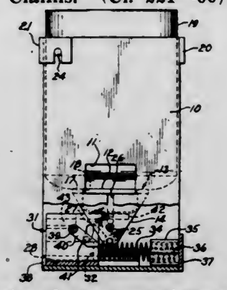
11. A carburetor comprising a mixing chamber having a central mixing passage and an air intake, a sump in the bottom of the mixing chamber, a float bowl attached to the mixing chamber, an air conduit extending from the top of the float bowl to the sump, burners mounted below the fuel heating chamber, said burners being open to the sump whereby air is admitted into the burners, a fuel heating chamber above the sump, a fuel conduit extending from the bowl to the burners, a heating jacket surrounding the mixing chamber, said heating jacket being open to the hot gases from said burners, and also having ports therein which open into the air intake passage whereby air is drawn thru the burners, a Venturi ejector in the central mixing passage, and fuel conduit means extending from the float bowl to the ejector.

2,079,364

DISPENSING DEVICE

Clarence R. G. Stewart, La Grange, Ill.

Application April 23, 1936, Serial No. 75,975
8 Claims. (Cl. 221—66)



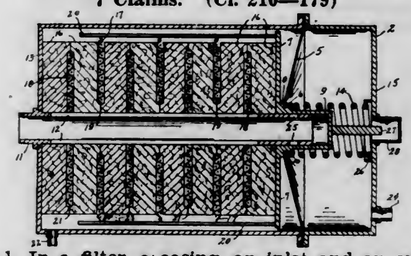
1. A dispensing device comprising a holder for material to be dispensed, movable means including a cam for elevating the holder and effective at the termination of a predetermined movement of said means for dropping the holder, and means for stopping the downward movement of the holder abruptly to produce an impact for discharging material therefrom.

2,079,365

FILTER

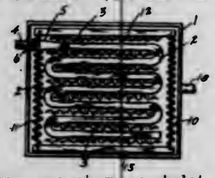
Albert G. Thomas, Lynchburg, Va.

Application March 25, 1936, Serial No. 70,734
7 Claims. (Cl. 210—179)



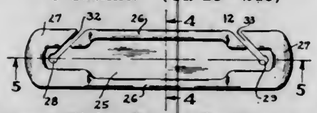
1. In a filter, a casing, an inlet and an outlet for liquids in said casing, a perforated tube fastened in said casing, discs of filtering material with central holes being supported by said tube, said discs being separated one from the other by washers of wire screening, said washers being alternately of greater and lesser diameter respectively than the diameters of said discs, yielding means for pressing said discs and said washers together, and means operable by pressure of said liquid being filtered to reduce the effective force pressing said washers and said discs together when said pressure exceeds a certain amount.

2,079,366
FILTER
Albert G. Thomas, Lynchburg, Va.
Application May 27, 1936, Serial No. 82,008
8 Claims. (Cl. 210—164)



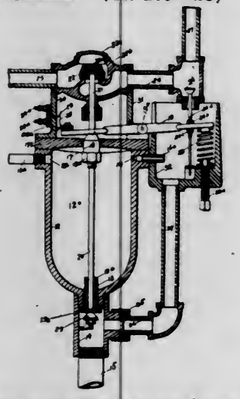
1. In a filter, a casing, an inlet and an outlet for liquid in said casing, a filter bag within said casing and connected with said inlet to be supplied interiorly with liquid therefrom, an elongated opening in said bag, and spring-operated means yieldingly closing said opening.

2,079,367
MOP ATTACHMENT
Anna Tringa, Oakville, Conn.
Application March 16, 1936, Serial No. 68,992
6 Claims. (Cl. 15—246)



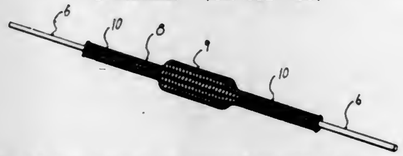
1. A new article of manufacture comprising a scratch-preventing bumper pad for a mop, said pad being of soft resilient material having a comparatively thin elongated central body portion, said body portion being provided with a pair of longitudinally spaced holes to receive the side members of a mop frame bail, said holes being connected by slots to the side of said pad to permit said pad to be readily assembled upon a standard mop frame bail, and a strengthening enlarged rib extending about the periphery of said body portion.

2,079,368
SPRINKLER SYSTEM
John Eugene Wallace, Foxboro, Mass., assignor, by mesne assignments, to Francis V. McCarthy, Lynn, Mass.
Application August 18, 1932, Serial No. 629,296
4 Claims. (Cl. 169—23)



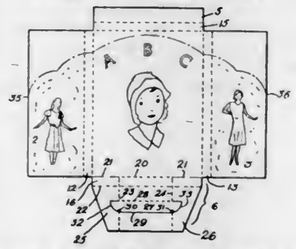
1. An alarm operating device for a fire extinguishing system in which the supply line is provided with an alarm check valve having a main discharge port and an auxiliary discharge port, said device comprising a retarding chamber having a flexible diaphragm closing its upper end, a drain opening at its lower end, an inlet port to the retarding chamber adapted to be connected to the auxiliary port of the alarm check valve, said inlet port being of greater cross sectional area than the drain port, a normally closed stop valve mounted on said retarding chamber having its inlet adapted to communicate directly with the supply line on the inlet side of the alarm check valve, a hydraulically operated alarm device communicating with the outlet of the said stop valve, a normally open drainage valve adapted to shut off flow through said drainage port, and means connected to said diaphragm arranged to open said stop valve and close said drainage valve.

2,079,369
INSULATED RESISTANCE UNIT
Harry L. Bradley, River Hills, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 9, 1935, Serial No. 44,226
4 Claims. (Cl. 201—63)



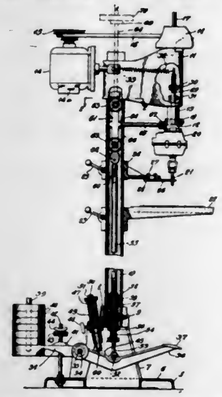
4. As an article of manufacture, an insulated resistance unit comprising a resistance element with wire leads extending from the ends thereof, the resistance element having a greater transverse dimension than the diameter of the wire leads, and a fabric sheath covering the resistance element and extending over the wire leads, said sheath consisting of a medial portion fitted to the resistance element and integral small diameter end portions over the wire leads, the entire sheath being braided, and the threads of the medial portion having a lesser pitch than the threads of the small diameter end portions so that the entire sheath has a uniformly close weave.

2,079,370
DISPLAY
Ernest J. Durkin, Sandusky, Ohio, assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application July 20, 1936, Serial No. 91,489
5 Claims. (Cl. 40—124.1)



1. A unitary box blank comprising a back with component box surfaces defined thereon by folding lines, such surfaces including back, front and ends foldably interconnected along said lines with back and front related as mutually lateral wings, display matter applied to part of that side of the blank which will constitute the inner surface of the closed box, one of said ends being lined for folding into an easel to be positioned behind the lower end of the back, and a severing line across said blank between said ends, said easel end and the portion of said blank above said severing line being free of display matter.

2,079,371
TAPPING MACHINE
George W. Emrick, Brooklyn, N. Y.
Application March 5, 1936, Serial No. 67,272
20 Claims. (Cl. 10—129)

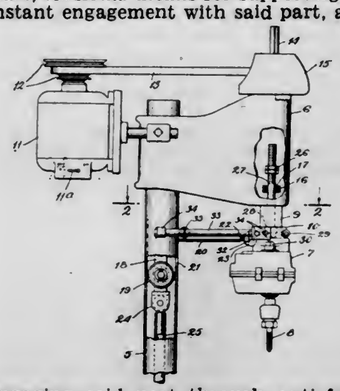


2. In a tapping machine employing a tool operating head, a tapping attachment movable with respect to said head, means at one side of and in spaced relation to said attachment for supporting and guiding the attachment in its movement relatively to said head and toward and from a workpiece in performing a tapping operation, and said means involving a plunger having spaced anti-frictional means for supporting and guiding the plunger in its movement with respect to a support on the machine.

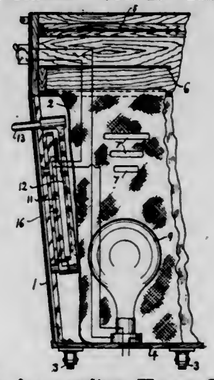
3. In a machine of the class described employing a tapping attachment movable toward and from a workpiece, manually actuated means including counterbalancing means for operating said attachment whereby in each cycle of operation the attachment moves by gravity into engagement with the workpiece and is fed into the workpiece through the added action of a yieldable coupling to eliminate stress or strain on the tool in performing a tapping operation and further whereby, in the reverse movement of the attachment, the tool thereof is positively moved out of the workpiece by the aid of said counterbalancing means.

2,079,372
TAPPING MACHINE
George W. Emrick, Brooklyn, N. Y.
Application September 24, 1936, Serial No. 102,266
15 Claims. (Cl. 10—129)

1. A tapping machine employing a frame part, a tapping attachment, means for moving and guiding the attachment longitudinally of and in spaced relation to said part of the machine, means on said attachment and engaging said part for resisting the torsional stresses and strains to which the attachment and associated parts are subjected in the operation of the machine, said last named means comprising a long rod projecting from said attachment and engaging said part, tensional means for supporting the rod in constant engagement with said part, and said rod engaging said part through anti-frictional means.

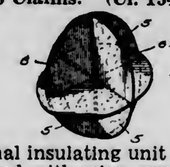


2,079,373
DEVICE FOR READING X-RAY FILMS
Henry Jordan, New York, N. Y.
Application September 18, 1936, Serial No. 101,355
4 Claims. (Cl. 40—132)



1. A device for reading X-ray films comprising a box in the form of an upright column of about the height of a table, an ordinary electric light bulb of more than 1000 watts near the bottom of said box, two plates permeable for light above said bulb, at least one of said plates having light diffusing qualities, one of said plates being arranged as a film support substantially horizontally at the upper end of said box for direct illumination by said bulb and being separated from the other plate by a heat insulating air space of substantial depth.

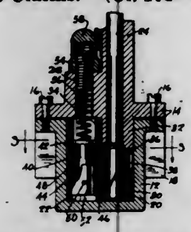
2,079,374
THERMAL INSULATION
Archer Wilkins Kent, Washington, D. C.
Application November 5, 1935, Serial No. 48,437
6 Claims. (Cl. 154—44)



1. A thermal insulating unit comprising a body portion formed with wing members terminating

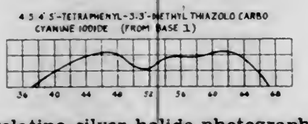
in a common vertex, the air space between said wing members interiorly of the body portion, being bounded by metal foil.

2,079,375
PUMP
Andrew O. McCollum, Detroit, Mich., assignor of one-half to Orla H. McCollum, Detroit, Mich.
Application June 9, 1936, Serial No. 84,345
2 Claims. (Cl. 103—120)

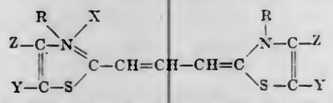


1. In a gear pump, a casing, a drive pinion therein, an idler pinion meshing therewith, and having a circular piston on one side thereof and means for preventing rotation thereof and a circular cutaway piston on the other side thereof, the said casing being recessed for rotary movement of said drive gear only, and recessed for rotary movement of said idler pinion and axial movement from its normal position in one direction only of said idler pinion and pistons, said second named piston being cut away to closely clear said drive pinion, means for yieldingly urging said idler pinion into mesh with said driving pinion and in a direction toward the cutaway piston, an intake port leading towards the unmeshing teeth of said pinions, a discharge port leading away from the meshing teeth of said pinions, a port in the form of a groove on the outer surface of said first named piston leading from the unmeshing teeth to the space on the opposite side thereof, and a port in the form of a groove on the outer surface of said second named piston leading from the meshing teeth to the space on the opposite side thereof.

2,079,376
PHOTOGRAPHIC SENSITIZER
Edmund B. Middleton, New Brunswick, and George A. Dawson, North Brunswick Township, Middlesex County, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application March 25, 1932, Serial No. 601,290
4 Claims. (Cl. 95—7)

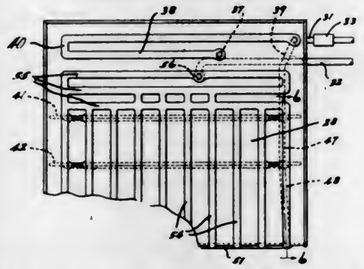


2. A gelatino-silver halide photographic emulsion containing a dye having the following formula



wherein X represents the negative radical of an acid, R represents alkyl, and Y and Z represent aryl radicals of the benzene series.

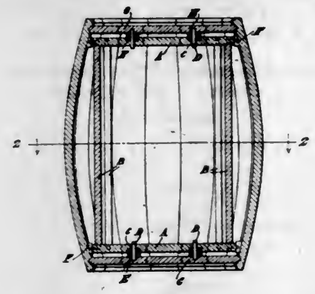
2,079,377
REFRIGERATING APPARATUS
Ralph K. Miller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 19, 1934, Serial No. 736,010
Renewed October 8, 1935
14 Claims. (Cl. 62—126)



8. An evaporator comprising sheet metal portions secured together and arranged to provide opposed upright walls of a freezing chamber, a single refrigerant duct having a portion thereof extending across one of the opposed freezing chamber walls and having another portion thereof extending across the other of said opposed freezing chamber walls, said duct having an inlet connection in the upper part of said one of said opposed upright freezing chamber walls, said duct being arranged to convey refrigerant from said inlet connection continuously in an undivided path first across said one of said opposed upright freezing chamber walls and thence across said other of said opposed upright walls, a header or manifold passage disposed below the inlet connection to said duct and extending along a certain wall of said chamber and having a connection with said single duct, a plurality of refrigerant conveying conduits communicating with said header or manifold passage, said header or manifold passage, said refrigerant conduits and at least said portions of said single continuous refrigerant duct being formed by and located between the sheet metal portions of the chamber walls, and said single continuous duct, said header or manifold passage and said conduits being arranged to provide a refrigerant flow circuit through said evaporator including an extended portion in series with said inlet connection and another extended portion comprising said conduits connected in parallel circuit relation with each other and having a common outlet connection, a portion of said single continuous duct including a refrigerated sharp freezing shelf for receiving and supporting thereon a receptacle adapted to contain a substance to be congealed or frozen.

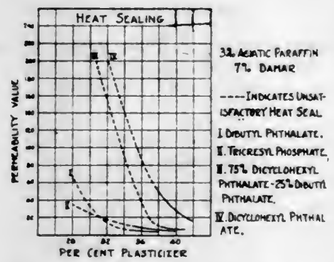
2,079,378
CHARRED WHITE OAK RACK FOR AGING OR MATURING, CLARIFYING, COLORING, AND MELLOWING SPIRITUOUS LIQUORS, AND PARTICULARLY WHISKY
Klester J. Mills, Louisville, Ky.
Application June 25, 1935, Serial No. 28,334
1 Claim. (Cl. 99—277.1)

An insert for the purpose indicated comprising polygonal ends, a plurality of flat uprights arranged in groups at opposite sides of the ends but spaced from each other and connected with and spacing the ends substantially the height of a whisky barrel between the heads thereof, and means carried by the ends for engagement with the heads of a barrel to maintain the central disposition of the insert in the barrel and allow circulation entirely therearound, the heads and uprights being constructed of a material having a sufficient tannic acid content to give up, in the whisky aging process, an amount equivalent to that ordinarily given up by the charred interior surface of the barrel, dowels set in the ends and extending from the outer faces thereof for engagement in sockets in the barrel heads, cork spacers surrounding the dowels and seated in the



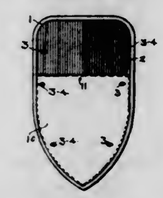
ends for frictional engagement with the barrel heads, and lateral shock absorbing corks secured to the ends at the edges to which the uprights are adjacent for engagement with the sides of the barrel, the heads and uprights being constructed of white oak and designed to be charred so that when the insert is placed in a barrel the charred surface presented to the whisky contents is equal to that ordinarily presented by the interior charred surface of the barrel.

2,079,379
COATED MATERIAL AND METHOD OF MAKING SAME
James A. Mitchell, Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 3, 1934, Serial No. 723,787
8 Claims. (Cl. 91—68)



1. A heat sealable, moistureproof, non-porous, non-fibrous, wrapping tissue having good surface slip and good storage characteristics, comprising a non-porous, non-fibrous base and a coating thereon containing pyroxylin containing 10.5 to 11.5% nitrogen, a wax material, a blending agent and a plasticizer comprising dicyclohexyl phthalate, the pyroxylin comprising about 40–65% of the total solids in the coating, the pyroxylin-blending agent ratio being from 2:1 to 8:1, the pyroxylin-plasticizer ratio being about 1:1 to 3:1, and the blending agent wax material ratio being about 1:5 to 5:1.

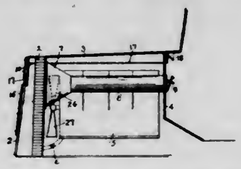
2,079,380
COVER FOR GRILLE-TYPE AUTOMOBILE RADIATOR FRONTS
Harold B. Mummert, Valparaiso, Ind.
Application May 31, 1934, Serial No. 728,297
5 Claims. (Cl. 257—132)



2. In grille-type radiator covers for a grille having closely spaced bars with relatively thin walls, a turn-button member, a retaining plate, and means for securing the plate to the turn-button by screws passing through the plate between bars of the grille and into the turn button member.

3. In grille-type radiator covers for a grille, a unitary frame for the upper portion of the grille, a unitary frame permanently secured to the lower part of the grille, waterproof covering for the frames, and heat insulating material enclosed by the covering.

2,079,381
EXTERNAL AIR AUTOMOBILE HEATER
Harold B. Mummert, Valparaiso, Ind.
Application March 25, 1935, Serial No. 12,973
10 Claims. (Cl. 237—12.3)

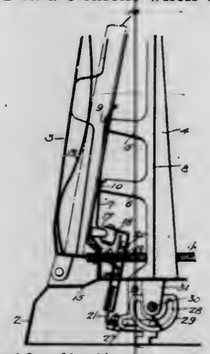


6. A radiator, a funnel positioned adjacent the inside of the radiator segregating the hottest portion of its width at the top thereof, a tube leading from the funnel, and a circulating fan rotatable within a slot of the funnel and transversely of the tube leading therefrom.

2,079,382
AUTOMATIC TOASTER
Joseph W. Myers and George M. Biddinger, Philadelphia, Pa., assignors, by mesne assignments, to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application April 15, 1935, Serial No. 16,514
10 Claims. (Cl. 219—19)

9. In a toaster, a thermostatic element, a pair of switch contacts which are normally closed during operation of the toaster, means within the base of the toaster for supporting the contacts in cooperative relation with said element, one of said contacts being actuatable by said element to open the contacts when said element responds to a predetermined degree to the toasting operation, means within said base for adjusting said contacts relative to said element and thereby vary the toasting operation, means for actuating said adjusting means from outside the toaster, and a stationary stop arranged cooperatively with one

of said contacts so as to open said contacts independently of said element when the contacts are



moved by said adjusting means to a predetermined position.

2,079,383

MANUFACTURE OF PHENOLS

Curt Raeth, Karl Willy Rittler, Radebeul, near Dresden, and Friedrich Arnold Steingroever, Dresden, Germany, assignors to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany, a corporation of Germany

No Drawing. Application September 19, 1935, Serial No. 41,272. In Germany August 24, 1931

6 Claims. (Cl. 260—154)

1. Improvement in the manufacture of free phenols by hydrolyzing aromatic hydrocarbons halogenated in the nucleus which comprises heating to about 320–400° under pressure such halogenated aromatic hydrocarbon with an aqueous solution of an alkali metal carbonate, the proportion of halogenated aromatic hydrocarbon and alkali being one mol. halogenated aromatic hydrocarbon to about one atom of alkali metal contained in the alkali metal carbonate, a part of which is replaced by an equivalent quantity of alkali hydroxide.

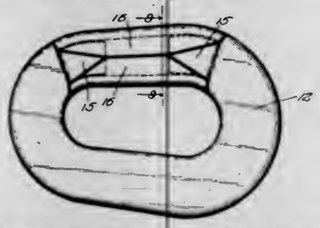
2,079,384

CHAIN LINK

John W. Page, Chicago, Ill., assignor to Page Engineering Company, Chicago, Ill., a corporation of Illinois

Application May 27, 1936, Serial No. 82,116

4 Claims. (Cl. 59—84)



1. A chain including, two substantially C-shaped members adapted to be superimposed with the openings oppositely arranged, the ends of each member on the outside being recessed to leave substantially V-shaped shelves, and two bendable ear portions on each member opposite the opening, said portions on each member adapted to be bent down toward each other to engage the ends of the other member to hold said members together, said ear portions adapted to fit in said recesses on said ends and provided with slanting ends adapted to abut against said V-shaped shelves, and the center edge portions of said ear members adapted to abut substantially against each other when said ear members are bent down toward each other to hold the link members together.

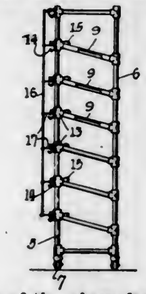
2,079,385

MAIL AND PACKAGE SORTING AND DISTRIBUTING DEVICE

Melvin E. Ross and Alaric L. Maynard, Los Angeles, Calif.

Application November 6, 1935, Serial No. 48,593

2 Claims. (Cl. 211—10)



1. In a device of the class described, a portable frame having a plurality of article supporting racks arranged diagonally therein, means for retaining articles on said racks, said means comprising a plurality of clips having their free ends normally engaging the racks, rotatable elements carried by the frame and secured to said clips, and actuating means connected to all of said rotatable elements whereby said clips are simultaneously actuated to release the gripped articles on said racks.

2,079,386

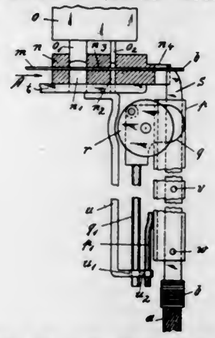
METHOD FOR THE PRODUCTION OF BANDS FOR ORNAMENTAL AND USEFUL PURPOSES

Karl Schofer, Birkenfeld, Germany, assignor to Friedrich Doppenschmitt, Pforzheim Germany

Application January 8, 1936, Serial No. 58,228

In Germany January 17, 1935

2 Claims. (Cl. 29—160.6)



1. A method for the production of the band-shaped body described, in which the links are continuously obtained from sheet metal or flat wire by punching out the holes designed for the link carrier or carriers and by severing from sheet metal or flat wire, and these links produced in this manner are then stripped over the free end of a link remover and over this remover itself at the other end of which the flexible link carrier is attached on which said links are to be slipped.

2,079,387

GOLF TEE

Benton G. Sickmiller, Mansfield, Ohio

Application July 6, 1936, Serial No. 89,059

2 Claims. (Cl. 273—33)



1. An adjustable golf tee comprising in combination a base having a tubular protuberance integral therewith and extending vertically upwardly therefrom, an element having a concavity in its top and slidably mounted in said base, and another element secured within said slidably mounted element having a flared base thereon to prevent the removal of said slidably mounted element.

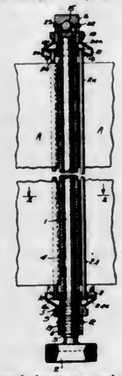
2,079,388

FILE FOR NEWSPAPERS AND PERIODICALS

William H. Vetor, Detroit, Mich.

Application June 24, 1935, Serial No. 28,079

13 Claims. (Cl. 129—38)



3. A file comprising a spindle, a pair of slotted flanges mounted thereon for adjustment of their relative spacing, a plurality of rods the extremities of each of which are engaged by opposed pairs of flange slots, each rod being adapted to extend centrally through a newspaper section and hold the central folded portion of the section against the spindle, and means cooperating with said flanges preventing accidental disengagement of said rod extremities.

2,079,389

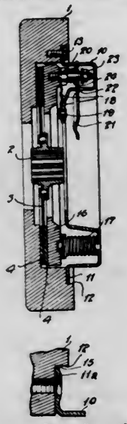
CLUTCH PLATE STRUCTURE

Ernest E. Wemp, Detroit, Mich.

Original application December 26, 1930, Serial No. 504,841. Divided and this application December 18, 1933, Serial No. 702,925

10 Claims. (Cl. 192—68)

2. In a clutch, the combination of a flywheel or the like provided with a recess bounded by a circumferential wall, a cover plate with an outer rim adapted to fit in the recess, said rim being normally crowned and having apertures therein, and bolts or the like passing loosely through the apertures and securing it to the flywheel, said bolts adapted to flatten the crowned rim and increase its diameter whereby the peripheral edge may be caused to substantially jam against the peripheral wall of the recess and the cover plate centered.



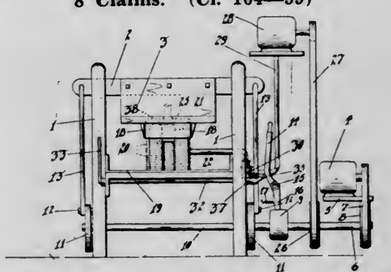
2,079,390

WORK HOLDING AND SAFETY DEVICE FOR PAPER CUTTING MACHINES

Daniel M. Winans, Binghamton, N. Y.

Application November 1, 1934, Serial No. 751,008

8 Claims. (Cl. 164—59)



1. In combination with a support for holding a stack of articles to be cut, a guide member against which said stack may be placed for alignment, suction means provided through said guide member for holding said stack in adjusted position against said guide, and means on said guide for adjusting the suction means in accordance with the heighth of the stack.

2,079,391

RESILIENT ENGINE MOUNTING

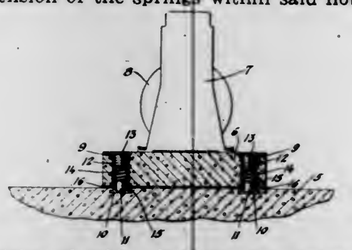
Merrill P. Wolfe, Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 18, 1936, Serial No. 59,720

1 Claim. (Cl. 248—21)

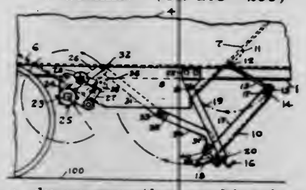
In engine mounting of the class described and in combination with a base; a moulded concrete slab located above said base and serving as a support for an engine; a plurality of tubular spring housings open at both their ends embedded in said slab, and spaced along the side edges thereof and located outside the base of an engine supported thereupon; independently adjustable springs arranged one within each of said housings, and which springs support said

slab above and spaced slightly from said base; means within said housings and accessible through the open upper ends thereof for varying the tension of the springs within said housings;



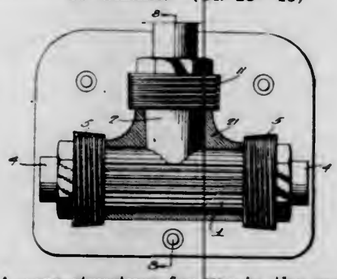
and strips of rubber held in place between the upper surface of said base and the lower surface of said slab and extending along the outer side edges of said slab.

2,079,392
DUMP CAR
Winfield Hancock Yost, Montreal, Quebec, Canada
Application January 5, 1933, Serial No. 650,207
7 Claims. (Cl. 105—299)



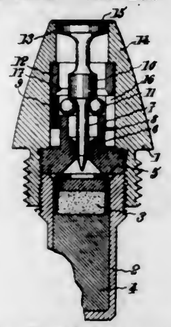
1. In a dump car, the combination of a discharge-opening, a substantially horizontal door for closing said discharge-opening, an operating mechanism for said door and a bearing member carried by the car and separate from said operating mechanism; said operating mechanism comprising a shaft operatively connected to the car body an arm operatively connected to said shaft and a plurality of links connecting said arm to said door; one of said links being offset and adapted to ride over said bearing member during the initial closing movement of said door and to fulcrum on said bearing member to raise and lock said door in final closed position, and means for operating said shaft.

2,079,393
CORE STRUCTURE
Frank H. Benge, Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Application July 20, 1935, Serial No. 32,459
12 Claims. (Cl. 18—45)



9. A core structure for use in the molding of hollow articles, such as T pipe fittings, comprising a plurality of interlocking complementary inner core parts formed of relatively infusible material, at least one of said parts having an intermediate fluted surface, a plurality of outer core parts formed of similar material removably carried upon the end portions of said inner parts, each of said outer parts having an exterior contour similar to the internal surface desired on an end portion of said article, and a body formed of relatively fusible material surrounding the intermediate portions of said inner parts and securing the various parts together as an integral core, said body having an exterior surface similar to the interior surface desired on the intermediate portion of said article.

2,079,394
PERCUSSION FUSE
Marc Birkigt, Bois-Colombes, France
Application November 15, 1935, Serial No. 50,048
In Belgium October 14, 1935
7 Claims. (Cl. 102—39)

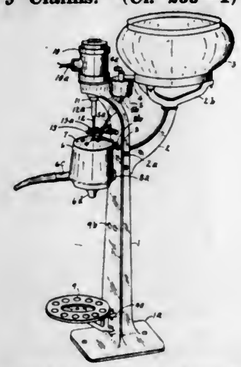


1. A percussion fuse for a projectile to be fired from a gun which comprises, in combination, a hollow fuse body having a cylindrical axial bore therein, a detonator fixed in said body at the tail end thereof, a striker axially movable in said bore having a portion of enlarged diameter, a plurality of locking balls in an annular recess in said bore around said striker adapted, when held close to the axis of the fuse, to engage said enlarged portion of the striker so as to lock it axially, two rings fitting slidably in said bore disposed in line with each other in the axial direction of said bore, stops in said bore for limiting the displacements of said rings in both directions respectively, the ring that is closer to the head of the fuse being freely movable in both directions longitudinally of the fuse in said bore and constrained only by said other ring while the said latter ring is movable towards its own stop only in response to very high accelerations, such as that produced by the shock of discharge in the gun, and is initially fixed in a position that keeps the ring closer to the head of the fuse applied against its respective stop toward the head of the fuse, said other ring being movable only in response to abnormal decelerations such as that produced by the shock caused by the sticking of the shell in the barrel of the gun, said rings being adapted to keep said balls engaged against said enlarged portion of the striker as long as said rings remain in contact with each other, and to release said balls so as to allow them to move away from the striker under the action of a force tending to move them radially as soon as the ring that is closer to the head of the fuse is moved forward and apart from the other by the normal retarding of the velocity of the projectile.

2,079,395
CELLULOSIC PRODUCT AND PROCESS OF MAKING SAME
Hamilton Bradshaw, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 3, 1934, Serial No. 723,798
4 Claims. (Cl. 91—68)

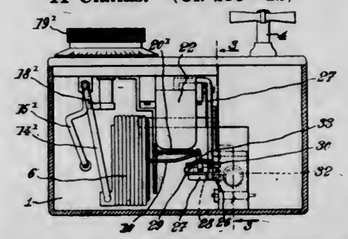
1. A moistureproofing composition, suitable for use in producing a transparent, non-fibrous wrapping tissue, containing a cellulose derivative, a wax material and a compound which is solid at room temperature taken from the group consisting of dicyclohexyl phthalate and cyclohexyl acid phthalate.

2,079,396
ELECTRIC CREAM SEPARATOR
Samuel T. Castleman, Louisville, Ky., assignor to All-Electric Cream Separator Company, Louisville, Ky., a corporation of Kentucky
Application March 22, 1933, Serial No. 662,019
9 Claims. (Cl. 233—1)



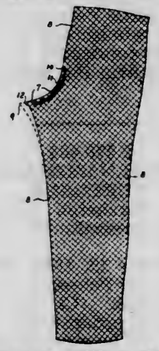
1. In an electrically-operated cream separator, of the kind hereinabove described, having a strong, light standard with two opposite branching parts near the top thereof, one branching to the front and the other, to the back, said branches being adapted to support in equilibrium all the service parts of said separator: an electric-motor casing enclosing a high-speed electric motor vertically installed on the top of the front branch of said standard, with the driving end of the motor-shaft extending downward; a large, threaded, axial boring through the bottom of said motor-casing below the driving end of said motor-shaft and concentric therewith; an externally-threaded spindle-housing provided with an external lock-collar and adapted to be screwed up into said threaded axial boring and locked therein with said collar; a smooth axial boring through said housing, having counterborings at either end thereof; a ball bearing concentrically installed in the upper end of the upper counterbore; a conical flooring in the bottom of said upper counterbore, sloping to drain outwardly; oil-vent-holes through the sides of said spindle-housing opposite the conical flooring of said upper-counterbore thereof; a rotary spindle concentrically suspended in said housing by means of a detachable cylindrical head designed to rotate on said ball-bearing therein and adapted to carry suspended on its lower end a cream separator bowl operative in a collector casing; a deep counterbore in the upper part of said spindle-head adapted to receive the driving end of said motor-shaft; means installed in said deep counterbore, adapted to connect said driving shaft operatively with said rotary spindle so that the spindle operates with the same speed as the motor shaft; an oil-baffle cone fastened to the rotary spindle adjacent said oil-vent holes and designed, as it rotates in operation, to throw off through said vent-holes any excessive oil from the mechanism above to prevent oil from running down on the spindle to the cream separator bowl suspended on the lower end thereof.

2,079,397
APPARATUS FOR REGULATING THE TEMPERATURE OF FLUIDS
Amédée Costa de Beauregard, Paris, France
Application April 25, 1935, Serial No. 18,233
In Belgium February 23, 1935
11 Claims. (Cl. 236—12)



1. In an apparatus including a casing, two inlet conduits for feeding fluids into said casing, an outlet passage in said casing for the outflow of the mixture of fluids formed therein, and valves for simultaneously varying the respective rates of flow of the fluids through said inlet conduits, a servo-motor which comprises, in combination, a closed box, a partition movable inside said box, dividing the inside of said box into two distinct chambers of variable volume, two pipes connecting said conduits with said chambers respectively, an ejector connected with each of said pipes operative by the fluid pressure in the corresponding conduit, for producing a suction in the corresponding chamber, means for simultaneously controlling said respective ejectors, and means for connecting said valves with said movable partition, whereby the displacements of said valves are controlled by said partition.

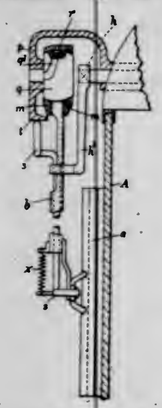
2,079,398
TROUSERS AND METHOD OF FORMING SAME
David M. Dean, Detroit, Mich.
Application October 18, 1935, Serial No. 45,628
4 Claims. (Cl. 2—227)



1. The combination with a garment having leg portions consisting of front and back sections,

there being an excess of material in said back section, of a narrow elastic member secured adjacent to and parallel with the edges of the stride portion of said back section.

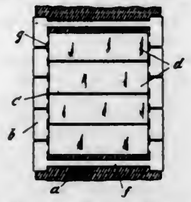
2,079,399
WIND SCREEN WIPER
Harold Drew, Luton, William Oscar Kennington, William Windley Constantine, and William Stanley Ascough, London, England, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 13, 1934, Serial No. 739,550
In Great Britain August 21, 1933
2 Claims. (Cl. 15—255)



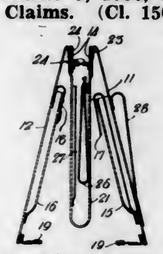
1. In windscreen wiper mechanism of the class described for use with a curved windscreen; an upper stationary casing; an oscillating wiper carrying arm pivotally supported from said casing and depending therefrom; a reciprocating wiper blade carried by and pivotally connected with the lower end of said arm; cam mechanism carried by said casing and cooperating with said wiper carrying arm for moving the lower end thereof toward and from the windscreen, to thereby maintain said wiper blade in contact with said windscreen during the reciprocating movement thereof; a cam carried by said casing for maintaining said wiper blade parallel with the axis of curvature of the windscreen during its reciprocating movement; a reciprocating push rod operated by said cam and extending along and slidably mounted upon said wiper carrying arm; means whereby the lower end of said push rod is operatively connected with said wiper blade to maintain the same parallel with the axis of curvature of the windscreen as aforesaid; and means operatively connected with said oscillating wiper carrying arm for imparting oscillatory movement thereto.

2,079,400
LINK BAND FOR ORNAMENTAL AND USEFUL PURPOSES
Robert Einsele, Pforzheim, Germany, assignor to Friedrich Doppenschmitt, Pforzheim, Germany
Application February 12, 1936, Serial No. 63,546
In Germany February 23, 1935
6 Claims. (Cl. 63—3)

1. A link band for ornamental and useful purposes, especially for bracelets and wristlets for watches, which consists of a band strip of pliable and flexible material, such as wire fabric and wire plaiting, flat links the ends of which grip over the side edges of said band strip, said links having each a slot, and of elements for additionally connecting said links, said elements having hook-shaped ends hooked into said slots of said links, the edges of said hook-shaped ends joining on the rear side of said flat links between this rear side and said band strip.

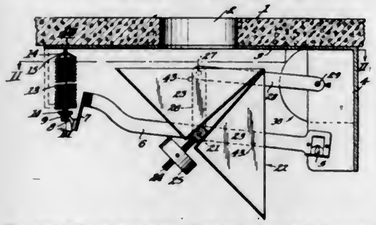


2,079,401
HANDBAG
Harry Eisenberg and Emile Orinsky, Brooklyn, N. Y.
Application October 9, 1936, Serial No. 104,825
3 Claims. (Cl. 150—35)



1. A duplex handbag comprising a pair of side members connected together at points adjacent the upper corners of the bag, a main compartment suspended between said side members with its mouth opening at the top of the bag, means for closing said mouth, and means for separably connecting the margins of the side members along the bottom and ends of the bag to provide an auxiliary compartment around the main compartment.

2,079,402
WEIGHING APPARATUS FOR MATERIALS UNDERGOING TRANSFERENCE
Nathan A. Hallwood, Columbus, Ohio
Application May 29, 1934, Serial No. 728,144
8 Claims. (Cl. 249—25)



1. In weighing apparatus, a pivotally supported beam, resistance means for yieldably resisting deflective movement of said beam from a normal position, a self-discharging receiver pivotally supported by said beam at a position intermediate of the length of the latter, and means actuated by the movement of said weight receiver for positively restoring said beam to its normal position after each operation of said weight receiver to discharge material therefrom.

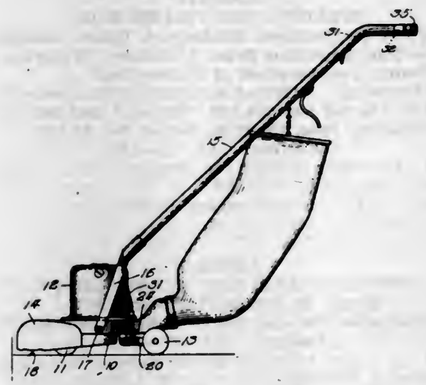
2,079,403
REDUCTION OF ACYLOINS
Virgil L. Hansley, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 5, 1933, Serial No. 701,052
20 Claims. (Cl. 260—156.5)

1. A process for producing high molecular weight glycols comprising subjecting an acyloin of a fatty acid to the action of hydrogen under pressure in the presence of a hydrogenation catalyst while controlling the reaction temperature to predetermine the ratio of the stereoisomers in the resulting glycol product.

2,079,404
CATALYST PREPARATION
Charles Roberts Harris, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 19, 1934, Serial No. 744,711
11 Claims. (Cl. 23—233)

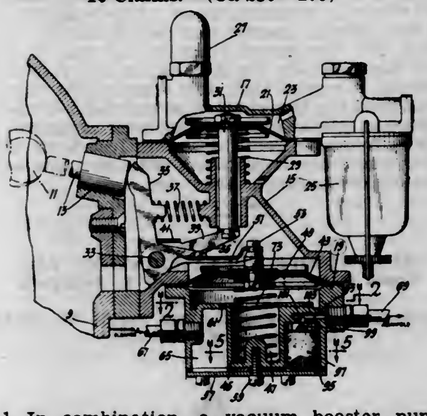
1. A process for preparing a supported platinum metal catalyst comprising coating the surface of a supporting material comprising silica with a reducible compound of a platinum metal and subsequently heating the material to a temperature sufficient to thermally decompose the platinum metal compound, while simultaneously flowing over the surface of said material a non-reducing gas which does not react with said platinum metal to form volatile metal compounds, at a rate of flow sufficient to remove gaseous decomposition products.

2,079,405
SUCTION CLEANER
John R. Harris, Berwyn, Ill., assignor to Birtman Electric Company, Chicago, Ill., a corporation of Illinois
Application January 26, 1935, Serial No. 3,631
Renewed March 5, 1937
3 Claims. (Cl. 15—16)



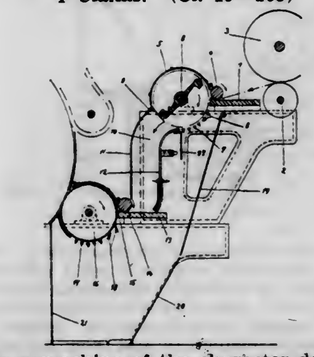
1. A suction cleaner, including; a carriage with a nozzle vertically adjustable with respect to the surface being cleaned; nozzle-adjusting means on the carriage including a vertically adjustable wheel; screw means on the carriage for vertically adjusting said wheel; manually operable means on the handle; and a flexible shaft connecting said manually operable means and said screw means.

2,079,406
OIL TRAP FOR VACUUM PUMPS
Gordon W. Harry, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 15, 1934, Serial No. 744,188
10 Claims. (Cl. 230—170)



1. In combination, a vacuum booster pump having a pump chamber, a plurality of conduit means adapted to connect said chamber with an engine manifold and a windshield cleaner, respectively, said pump having a flexible diaphragm, means extending into the engine crank case and adapted to flex said diaphragm, a trap between the pump chamber and the manifold conduit to collect oil escaping through a defective diaphragm into the pump chamber, a valve carrying float in said trap movable in response to collecting oil to close the communication between the manifold and the windshield cleaner and pump, and a check valve controlled discharge passage between said pump and crank case whereby the pump may continue to operate the windshield cleaner unassisted by engine vacuum and whereby escaping oil may be returned to the crank case.

2,079,407
CARD FEEDING DEVICE
Heinrich Otto Hess, Winterthur, Switzerland, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland
Application November 1, 1934, Serial No. 751,082
In Germany November 3, 1933
4 Claims. (Cl. 19—105)



1. In a machine of the character described, a first feed table, means to deliver the stock thereto, a first taker-in cooperating with the outlet end

of the first feed table and comprising in combination means for blowing a portion of the stock and rotatable toothed means for tearing the stock entering the taker-in from the table, first and second chutes cooperating with the taker-in, grid bars forming a partition between the second chute and said rotatable member, means placing said chutes in communication, whereby air forced by the blowing means can pass from the first chute into the second chute at the side of said grid bars opposite to that facing the rotatable member, a second feed table arranged to receive stock from the first chute, a second taker-in comprising a rotatable toothed member arranged to receive material from the second feed table, and other grid bars cooperating with the rotatable member of the second taker-in.

2,079,408

AUTOMOBILE IDENTIFICATION TAG

Frank P. Hosker and Russell T. Anderson, Denver, Colo.

Application January 13, 1936, Serial No. 58,908

5 Claims. (Cl. 40—125)



1. An attachment device for automobile identification means comprising: a housing; a glass face closing said housing; a nut receiving cup formed in said housing; a nut frictionally engaged in said receiving cup; a spring stop member in said cup behind said nut; and an attachment screw adapted to be threaded through said housing into said nut, said attachment screw having means engageable by said stop member for preventing said screw from being unscrewed through said nut.

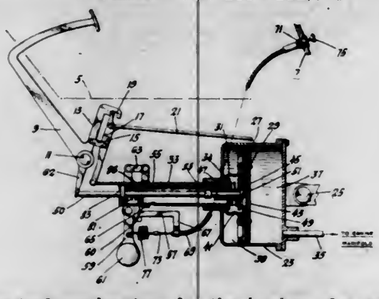
2,079,409

VACUUM-OPERATED BRAKE

John H. Hunt, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 20, 1933, Serial No. 681,267

1 Claim. (Cl. 188—181)



Control mechanism for the brakes of a vehicle having an operator's compartment, a cylinder, a piston therein, said cylinder and piston constituting a fluid motor, connections from the piston for applying brakes, valve means to control the flow of gaseous medium to and from one side of said piston whereby the piston is caused to move under unbalanced pressure, manually operable means to control said valve, a pivoted weight and means actuated by said weight when the latter swings upon its pivot under the influence of inertia to modify the action of said fluid motor together with yielding means resisting the movement of said weight under the influence of inertia, and means connected to said yielding means and extending to the operator's compartment whereby the tension of said yielding means may be adjusted.

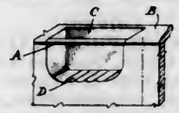
2,079,410

BATHTUB

Ernest R. James and Swan N. Mehlin, Inglewood, Calif.

Application August 4, 1936, Serial No. 94,276

1 Claim. (Cl. 4—185)



A bath tub having a pair of spaced and aligned recesses in the upper portion of one side wall thereof, each of said recesses having a floor and side and back walls, a hand rail extending across the top of each of said recesses, said hand rail being flush with the top of said wall and the inner face thereof, the floor of each recess being downwardly sloped from the rear throughout its breadth, raised transverse ridges extending across each of said floors from the backs to the front edges thereof and terminating flush with the face of said side wall of the tub, the top edges of said ridges being horizontal and providing a raised support for a cake of soap, the back wall of each recess being forwardly sloped from the top and merging into said downwardly sloped floor, and at least a major portion of each of the side walls of each recess being inwardly sloped from the top and merging gradually into said sloped floors to cooperate therewith and with said rear walls to direct water entering said recesses in a direction towards the forward edges thereof and out of the same.

2,079,411

WELDING OR FILLER ROD

Herbert C. Jennison, Bridgeport, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut

No Drawing. Original application September 21, 1931, Serial No. 564,139. Divided and this application June 10, 1936, Serial No. 84,458

4 Claims. (Cl. 75—155)

1. A welding or filler rod composed of a worked alloy comprising from 50% to 70% copper, from 0.01% to 5% manganese and balance zinc.

2,079,412

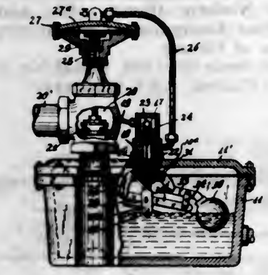
PILOT VALVE FOR STEAM TRAPS

Henry W. Justus, Napanoch, N. Y.

Application October 24, 1935, Serial No. 46,490

4 Claims. (Cl. 137—103)

1. In a pilot valve for steam traps, a valve body mounted through the wall of a steam trap, a valve mounted in said valve body, a float for location in said steam trap, and linkage interposed between said float and said valve and having a certain amount of lost motion to control the movement of said valve, comprising fixed fulcrum bearing arms mounted on the inner end of said valve body, a lever connected to one of said fixed fulcrum bearing arms and with said float, a lever connected with the other of said fixed fulcrum bearing arms and having a pin engaging a slot in a stem extending from said valve, a link connecting the latter-mentioned lever with the lever



supporting said float, and resilient means normally urging said valve into an open position.

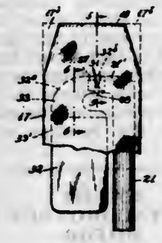
2,079,413

VACUUM CLEANER BAG

Charles Kress, Jamaica, N. Y., assignor to Frederick T. Kenny, Brooklyn, N. Y.

Application December 5, 1935, Serial No. 53,014

5 Claims. (Cl. 183—51)



1. A bag for a vacuum cleaner, comprising an outer casing of cloth material having a tubular portion at the bottom for engaging on the pipe of the blower of a vacuum cleaner and having an open top, means for releasably closing said top, a non-porous air tube extending from said tubular portion along one side of said casing to near the top, a porous filter within said outer casing and having a top portion with a tubular element connecting with the top of said air tube, and a non-porous shield attached on said top portion of said filter casing.

2,079,414

PROCESS FOR PRODUCING ALCOHOLS FROM ESTERS OF NONAROMATIC CARBOXYLIC ACIDS

Wilbur A. Lazier, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 20, 1932, Serial No. 629,754

49 Claims. (Cl. 260—156)

1. The process of producing an alcohol from an ester of a non-aromatic carboxylic acid, said alcohol corresponding in number of carbon atoms to said acid, which comprises treating with hydrogen an ester of a non-aromatic carboxylic acid, the number of carbon atoms in said acid being greater than the number of carboxyl groups, at a temperature in excess of 200° C. and under a superatmospheric pressure in the presence of a hydrogenation catalyst.

2,079,415

PROCESS OF PREPARING DECOLORIZED FLAVORING MATERIAL FROM NATURALLY COLORED VEGETABLE SUBSTANCES

Arthur A. Levinson, Chicago, Ill., assignor to Wm. J. Strange Co., Chicago, Ill., a corporation of Illinois

No Drawing. Application October 5, 1934, Serial No. 747,038

10 Claims. (Cl. 87—28)

1. The process of preparing a decolorized edible oleo-resinous material from black pepper containing oleo-resins, essential oils and chlorophyll which comprises extracting the oleo-resins, essential oils and chlorophyll and forming a solution thereof in a water immiscible organic solvent neutral to said oleo-resins, essential oils and chlorophyll, adding to said solution in the cold and without agitation an alcoholic caustic alkali solution of not over substantially 10% strength, subsequently diluting the resulting mass with water and agitating, allowing the mass to separate into layers and separating the solution layer containing the oleo-resins and essential oils from the aqueous layer containing chlorophyll.

2,079,416

METHOD OF MAKING INDOLYL-3-ACETIC ACID

Richard Helmuth Manske, Ottawa, Ontario, Canada

No Drawing. Application July 6, 1936, Serial No. 89,128

9 Claims. (Cl. 260—47)

1. A method of manufacturing alkyl indolyl-3-acetates which comprises heating indol and alkyl diazoacetates in the presence of a catalyst containing copper.

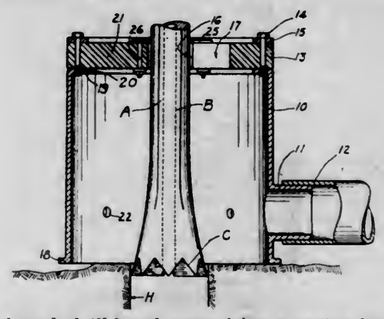
2,079,417

ROCK DRILL HOOD

James H. Markley, Ramsey, N. J.

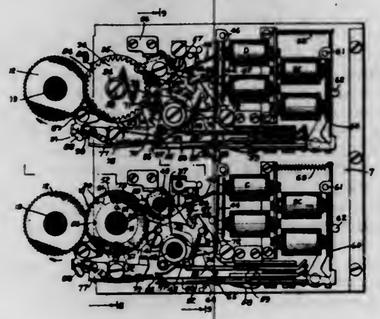
Application July 13, 1933, Serial No. 680,224

2 Claims. (Cl. 255—50)



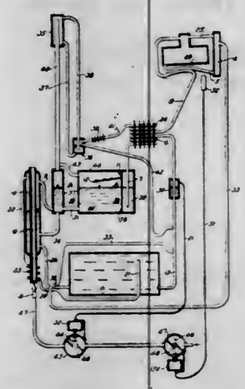
1. A rock drill hood comprising a casing having an open top, a member secured to the casing and covering the open top, flexible projections carried by the member and extending radially inward towards each other, the projections forming an opening centrally therethrough to receive the stem of a rock drill steel, the flexible projections being long enough to permit the large bit of the drill steel to pass therethrough and thereafter sealing the adjacent projections against the escape of rock dust and cuttings therebetween, and wear plates secured to the flexible projections adjacent to the central opening.

2,079,418
SUBTRACTING AND TOTALING DEVICE
Albert W. Mills, East Orange, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 23, 1932, Serial No. 634,454
12 Claims. (Cl. 235—61.8)



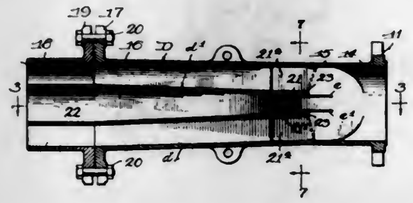
1. In a machine of the class described, accumulating wheels, transferring means cooperating with said wheels for carrying units from any order to an adjacent order including contacts closed by said wheels as they pass from nine to zero, and means under control of said contacts for printing a record of the total amount accumulated by said wheels.

2,079,419
REFRIGERATION
Carl Georg Munters, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application April 2, 1934, Serial No. 718,664
In Germany October 9, 1933
30 Claims. (Cl. 62—5)



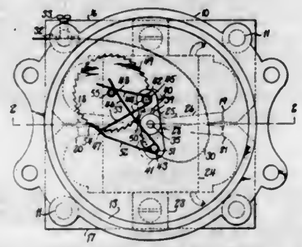
11. In the method of operating an absorption refrigeration system of the kind having periods of evaporation at low pressure alternating with periods of vapor expulsion at higher pressure, the improvement which comprises applying heat to expel refrigerant from solution, condensing the refrigerant, vaporizing the liquefied refrigerant, absorbing the vaporized refrigerant, and utilizing the heat generated by said absorption to stop the expulsion of refrigerant from solution.

2,079,420
BURNER FOR FIRING FURNACES WITH POWDERED FUEL
Emanuel H. Nielsen, Harvey, Ill., assignor to Grindle Fuel Equipment Co., Harvey, Ill., a corporation of Illinois
Application June 23, 1930, Serial No. 462,995
6 Claims. (Cl. 110—104)



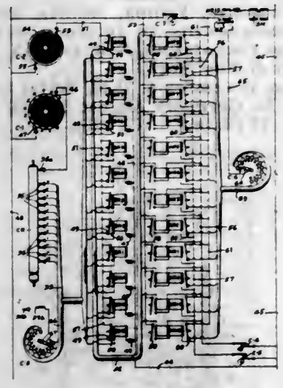
1. In a burner for use in firing a furnace or like heating apparatus, the combination of a pair of coaxially arranged tubular members adapted to discharge into the furnace, and means connected to the inlet end of the outer tubular member for delivering a mixture of powdered fuel and air under pressure from a common source into the inlet ends of both members for discharge into the furnace, one of the members being of substantially constant cross sectional area from one end thereof to the other so as to deliver the portion of the mixture passing therethrough into the furnace at a relatively high velocity and the other member being of increasing cross sectional area toward its discharge end so as to deliver the portion of the mixture passing therethrough into the furnace at a relatively lower velocity.

2,079,421
VIBRATORY SYNCHRONOUS ELECTRIC MOTOR
Arthur B. Poole, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation
Application August 29, 1934, Serial No. 741,882
7 Claims. (Cl. 172—126)



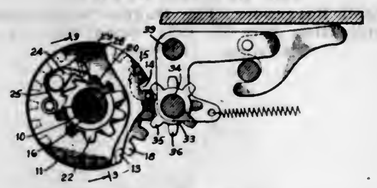
2. A vibratory electric motor for operation in synchronism with alternating currents of commercial frequencies comprising: a stator-unit having an alternating current energizing coil and also having a pawl-abutment; a vibrating armature located in the alternating magnetic field created by the said coil and vibrated thereby; and means for converting the vibratory motion of the said armature into a rotary motion, the said means including a ratchet-wheel and a pawl pivotally connected to the said armature for being vibrated thereby, the said pawl having one arm engaging with the said ratchet-wheel and also having a tensioning-arm slidably engaging with the pawl-abutment of the said stator-unit.

2,079,422
RECORD CONTROLLED MACHINE
Edward J. Rabenda, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 10, 1933, Serial No. 692,940
13 Claims. (Cl. 209—110)



1. A sorting machine comprising sorting mechanism including a sorting circuit, a rotary switch adapted to differentially control the operation of the sorting circuit, a plurality of control circuits for controlling the effect of the rotary switch on the sorting circuit, and analyzing means for operating the control circuits according to the disposition of data designations in the different columns of records sensed by the analyzing device.

2,079,423
REGISTER
Frederick Quintus Rast, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application February 2, 1935, Serial No. 5,026. Divided and this application April 25, 1935, Serial No. 18,124
12 Claims. (Cl. 235—131)

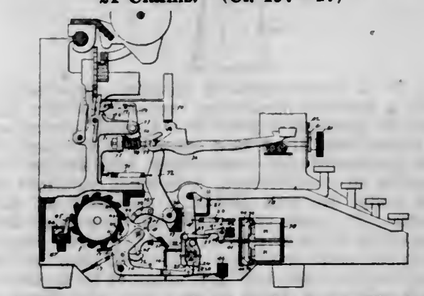


1. In combination; a value receiving wheel, gearing for actuating the wheel to enter a value therein, a locking device having a normal release position with respect to said wheel, a member stationary during the entry actuation of the wheel, and operative connections between said locking device, stationary member, and said gearing for shifting said locking device into a locking position with respect to the wheel in response to an attempt of the latter to move ahead of the gearing.

2,079,424
METHOD OF RECOVERING ACID FROM ACID SLUDGES
Chester L. Read, Jersey City, and Paul J. Harrington, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 27, 1933, Serial No. 704,089
4 Claims. (Cl. 23—173)

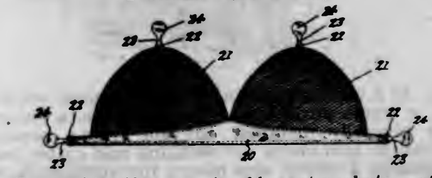
1. The process of treating acid sludges obtained from the acid treatment of petroleum oils, which comprises adding to a relatively high viscosity sludge obtained by a sulfuric acid treatment of a petroleum oil, a low viscosity acid oil that has been separated by diluting with water a low viscosity acid sludge obtained by a sulfuric acid treatment of a petroleum oil, diluting the mixture of oil and sludge with water, treating, settling and separately withdrawing dilute sulfuric acid and oil.

2,079,425
TYPEWRITING MACHINE
Richard v. Reppert, Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 18, 1933, Serial No. 702,856
21 Claims. (Cl. 197—17)



1. In a power mechanism for typewriters, the combination, with a device to be operated, of a universal power actuator, a rockable support; a coupling member rotatably mounted on the support and having a series of cam elements positively engageable with the actuator for rotation by the latter when the support is rocked, a sub-lever connected to the device to be actuated and having an arm adapted to be engaged by the cam elements whereby the sub-lever is rocked when the coupling member rotates, means for rocking the support whereby to engage the cam elements on the coupling member with the actuator, and means for controlling the rocking means.

2,079,426
SUPPORTING GARMENT
Monroe Schottenfels, New York, N. Y.
Application October 2, 1934, Serial No. 746,544
1 Claim. (Cl. 2—42)



In combination, a pair of breast pockets, a strip secured to the lower edges of the pockets for con-

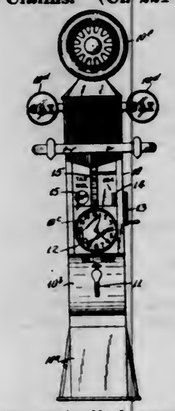
necting the pockets together, a plurality of tabs each provided with an adhesive on one side thereof, a loop carried by each tab, and detachable means carried by the upper portion of each pocket and the opposite ends of said strip engageable in said loops.

2,079,427

COIN CONTROLLED GASOLINE FILLING STATION

Joseph Siegel, Brooklyn, N. Y.

Application April 16, 1936, Serial No. 74,609
4 Claims. (Cl. 221—100)



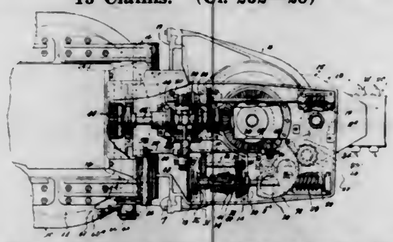
1. In a coin-controlled gasoline dispenser, a body, a gasoline measuring container within said body, a gasoline supply line to said container, an outlet pipe from said container, a means on said container for controlling the amount of gasoline to be delivered, a bracket mounted on said body, an arm pivotally mounted on said bracket, an inlet valve for said container and connected to one end of said arm, an outlet valve for said container and connected to the other end of said arm and adapted to be closed when said inlet valve is open and vice versa, a spring connected to said body and said arm to normally urge said outlet valve open, and a circuit for operating a solenoid connected to said arm to pivot said arm and close said outlet valve against the normal action of said spring.

2,079,428

KERF-CUTTING MACHINE

William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application November 18, 1935, Serial No. 50,295
13 Claims. (Cl. 262—28)



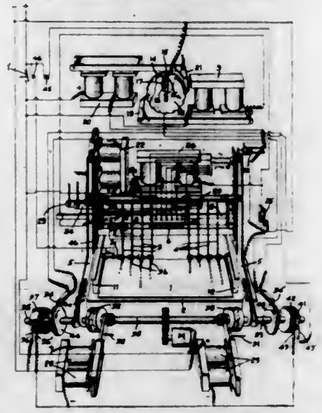
2. In a mining machine, a base, a motor thereon, a frame projecting from said base, a cutter bar pivotally mounted on said frame, means driven by said motor for swinging said cutter bar including a clutch, and means for automatically stopping swinging movement of said cutter bar at a predetermined point including a member rotatably driven by the means for swinging said cutter bar, and means yieldably driven by said member for shifting said clutch to a neutral position and arranged to permit manual shifting of said clutch against said yieldable driven member.

2,079,429

DEVICE FOR INTERPRETING PUNCHED CARDS

Gustav Tauschek, Vienna, Austria, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 5, 1930, Serial No. 500,253
In Germany August 2, 1926
12 Claims. (Cl. 235—61.6)



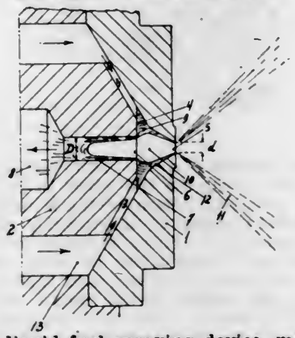
1. A machine of the class described comprising in combination, a clutch device for causing repeated operations of means adapted to sense a multiplicand factor on a record, a second clutch device for causing means to sense the same record for a multiplier factor to determine the number of repeated additions of the multiplicand, means under control of an element of the second mentioned clutch for maintaining the effectiveness of the latter for a complete multiplier sensing operation, and means including an element of the first named clutch for causing said second named clutch to be effective at the initiation of a multiplying operation.

2,079,430

OIL BURNER DEVICE

Adolf Bargeboer, The Hague, Netherlands

Application July 13, 1934, Serial No. 734,916
3 Claims. (Cl. 299—120)



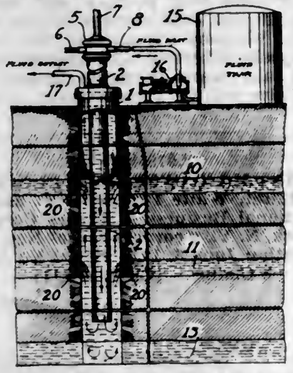
1. In a liquid fuel spraying device, means for placing the liquid under pressure within a pressure chamber, a whirling chamber, tangential channels leading from the pressure chamber to the whirling chamber, said whirling chamber having a relatively small spray opening and a second relatively large opening centrally located therein opposite the spray opening, said second opening being substantially less in diameter than said whirling chamber, a third chamber, a fuel return channel connecting the second opening with the third chamber to the supply chamber.

2,079,431

PLUGGING WATER SANDS BY A SOAP PRECIPITATE

George E. Cannon, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application October 17, 1934, Serial No. 748,579
2 Claims. (Cl. 166—21)



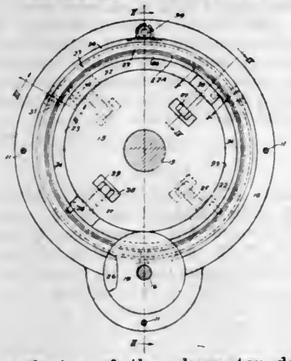
1. A process for plugging off salt water producing sands in a well producing both oil and salt water, comprising introducing into the well a solution of soap and permitting the solution to flow into both the oil and salt water bearing sands whereby the soap on contact with the salt water in the salt water bearing sand is salted out to plug the pores of only the salt water bearing sand forming a seal against the further entrance of water into the well.

2,079,432

BRAKE

Mason P. Carpenter, Lansing, Mich., assignor to International Frictionless Brake Corporation, Lansing, Mich., a corporation of Michigan

Application November 12, 1934, Serial No. 752,574
22 Claims. (Cl. 188—90)



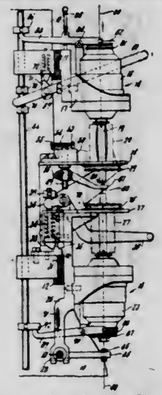
1. In a device of the character described, a casing, a rotor arranged to form a fluid channel with said casing, a valve mounted on the rotor and adapted to be moved into and out of said channel to vary the cross sectional area of said channel, and a valve ring pivotally connected to said valve whereby the valve is actuated in response to axial movement of said ring.

2,079,433

CORE COVERING MACHINE

Henry Z. Cobb, Providence, R. I., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

Application June 28, 1935, Serial No. 28,802
7 Claims. (Cl. 117—34)



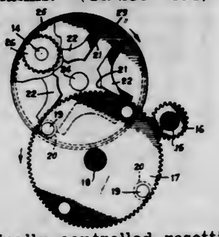
1. In a machine for helically winding yarns in opposite directions upon a core, in combination, a pair of winding units each including a hollow core-receiving spindle for supporting and rotating a supply of yarn, means for rotating said spindles in opposite directions about the core, one unit being arranged in axial alignment but in reverse relation to the other to bring its winding point adjacent the winding point of the other unit to thereby apply right and left hand windings to the core at nearly the same point, and means for supporting one of said units for movement relative to the other so that the spindles may be separated sufficiently to permit the placing of a supply of yarn on each spindle.

2,079,434

ACCOUNTING MACHINE

James Mason Cunningham, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

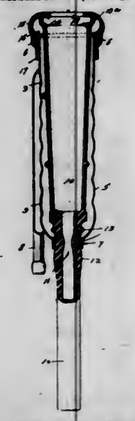
Original application December 5, 1932, Serial No. 645,741. Divided and this application January 10, 1935, Serial No. 1,099
6 Claims. (Cl. 235—144)



1. An electrically controlled resetting mechanism for accounting machines comprising a resetting shaft, a constantly rotating driving shaft,

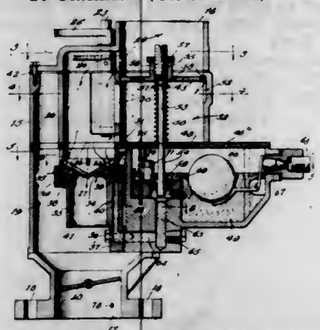
means connecting said shafts whereby the driving shaft drives the resetting shaft at speeds varying between a maximum and a minimum, a device to be reset, a clutch connecting the resetting shaft and device, means adapted to enage the clutch at the point of minimum speed of the resetting shaft, and an electromagnet for controlling the last named means.

2,079,435
TEAT CUP
Laurits Dinesen, Minneapolis, Minn.
Application January 2, 1936, Serial No. 57,079
6 Claims. (Cl. 31—85)



5. A resilient teat cup inner tube having an axially open diaphragm directly joined to its teat-receiving end, said diaphragm having an outwardly and backwardly extended flexible tubular portion forming, adjacent to said diaphragm, an outwardly expanded accordion-acting axially collapsible pleat and a tubular joint flange, said pleat being projected materially radially outward of said joint flange, said pleat being of such flexibility that it will expand radially and collapse laterally when the exterior of the body of said tube is subjected to partial vacuum.

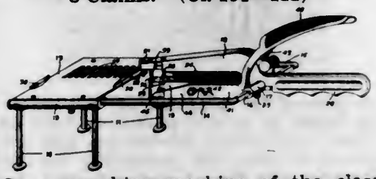
2,079,436
CARBURETOR
William C. Dunn, Chicago, Ill.
Application November 30, 1934, Serial No. 755,346
17 Claims. (Cl. 261—69)



1. In a carburetor, a fuel nozzle provided with upwardly discharging fuel jet openings, an open throat tube depending below the jet openings and in the upper portion of which tube the jet openings are disposed, means for directing a down draft of air currents across said jet openings for atomizing the fuel into the throat tube, means for directing air currents around and outside of said throat tube to commingle with the atomized fuel discharging from and through said tube, means for controlling at will the last said means, and means for controlling the supply of fuel to said nozzle.

17. In a carburetor, a mixing chamber, a fuel nozzle, means for atomizing fuel from the nozzle into the mixing chamber, means embodying a metering valve for supplying fuel to the nozzle, means for automatically actuating the metering valve, means for dampening the action of the metering valve, means for augmenting the supply of fuel to the nozzle, the last recited means embodying a fuel supply passage, a valve for controlling the last said passage, a plunger, a connection between said plunger and said valve, means for moving said plunger in one direction, and means whereby the plunger will be moved in the opposite direction and against the stress of the last said means by engine suction, whereby the said valve will be automatically opened and closed.

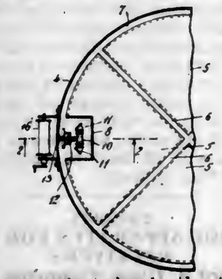
2,079,437
MANUALLY OPERATED PUNCH
Clement Ehret, White Plains, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 6, 1936, Serial No. 83,837
8 Claims. (Cl. 164—111)



1. In a punching machine of the class described, in combination, a material holding support having columns of holes, a pair of spaced members, a punch element carried by one of said members, and a die carried by the other member, guide means comprising a bar on which is slidably carried said members and also comprising integral parallel rods telescoping in said support to enable the spaced members to be moved bodily into and out of cooperation with said support and by sliding said members on the bar to embrace said support at different lateral positions with said punch element directly engaging with a predetermined hole of soid support, an integral extension of one of said members, and a lever for operating said punch element having a portion extending at an angle to said extension, the lever and extension being manually drawn together to operate said punch element and cause it to pass through a hole of said support, through the material, and into said die.

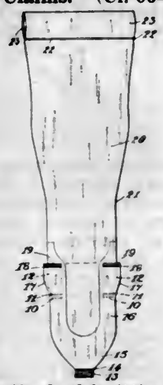
2,079,438
TANK FIRE EXTINGUISHING APPARATUS
Clifford A. Ellis, Ridgefield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application November 1, 1934, Serial No. 750,973
1 Claim. (Cl. 169—4)

Apparatus for fighting fire in a tank having a floating deck consisting of pontoons floating on the surface of the oil with spaces between pontoons and tank wall and between pontoons, comprising a chamber affixed to the pontoon structure and affording a free space above the oil surface and in communication with the said spaces around pontoons, means to confine the travel of said chamber to vertical movement along



a desired line, a swing pipe in the tank, the free end of which may be raised above the oil surface in said chamber, and means to introduce fire quenching material through said swing pipe into said chamber.

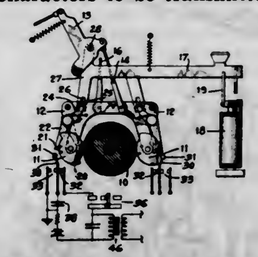
2,079,439
METHOD OF MANUFACTURING STOCKINGS
Emil Fischer, Bloomfield, N. J.
Application December 3, 1935, Serial No. 52,639
5 Claims. (Cl. 66—82)



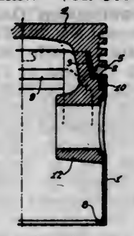
1. In the method of knitting a stocking upon a full-fashioned knitting machine, the steps consisting of first knitting one end portion of the foot, burying said end portion under knock-over bits, knitting the other end portion of the foot, knitting a loose course, knitting ravel courses, pressing the ravel courses off the spring beard knitting needles, lifting the first knitted portion above the knock-over bits, knitting the leg portion, knitting a welt to the leg portion, connecting the loose course needle loops in each sole to the inner selvages of each heel, connecting the loose course sinker loops at the end of each heel to each other and closing up the toe with the loose course sinker loops.

2,079,440
COMMUNICATION SYSTEM
Clyde J. Fitch, Jersey City, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 9, 1935, Serial No. 5,768
20 Claims. (Cl. 178—23)

1. In a communication system, means for transmitting character impulses including means to initiate impulses of equal time duration but differing in character during a predetermined timed interval and means cooperating therewith to control the initiation of the impulses at differential times therein determining the selected characters to be transmitted, and indicating means adapted to be operated by the transmitted impulses in accordance with the character and time of reception of the said impulses to select the particular character represented thereby.



2,079,441
TRUNK PISTON
John Flammang, University City, Percy L. Bowser, St. Louis, and Herman Ernst, Pine Lawn, Mo., assignors to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware
Application May 21, 1934, Serial No. 726,644
4 Claims. (Cl. 309—14)



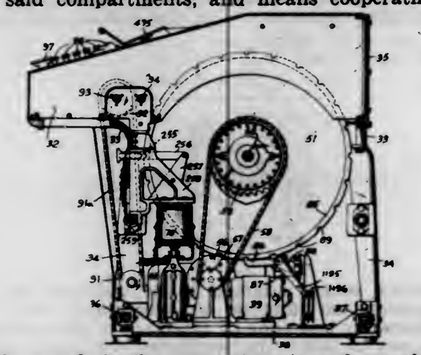
1. A trunk piston for internal combustion engines, comprising, a skirt of metal having a low rate of thermal expansion, a head of cast metal having a higher rate of thermal expansion, said skirt having a portion cast in said head and a portion engaging the cast metal for movement relatively thereto upon thermal expansion and contraction, and means to direct the forces of engagement to expand said skirt portion upon contraction of said metal, said portion tending to contract upon thermal expansion of the head metal.

2,079,442
MANUALLY CONTROLLED SORTING MACHINE
Frederick L. Fuller, West Orange, N. J., and Samuel Brand, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application September 7, 1934, Serial No. 743,044. Divided and this application July 31, 1935, Serial No. 34,019
19 Claims. (Cl. 129—16.1)

9. A sorting apparatus comprising a rotatable drum having a series of radially arranged compartments, spring-pressed clamps provided therein and adapted to clamp the record material sorted therein, and means effective after said drum is stopped at a predetermined position for actuating the clamp of a selected compartment to provide a record material receiving space.

19. In a record sorting machine, in combination, a plurality of sorting compartments, man-

ually controlled means for selecting said compartments, means for feeding records to be sorted in said compartments, and means cooperating

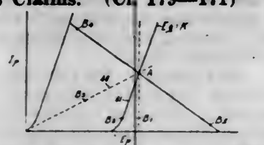


with records in the compartments and operable when any compartment is filled to capacity for preventing the operation of said record feeding means.

2,079,443
PROCESS OF TREATING OIL
Stewart C. Fulton, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 30, 1933, Serial No. 704,757
10 Claims. (Cl. 196—40)

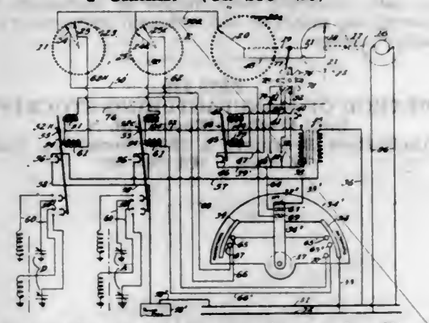
1. The two-step process of treating oils which comprises agitating in the first step an acid reactive hydrocarbon oil with a sulfuric acid reagent ranging from concentrated sulfuric acid to fuming sulfuric acid containing not more than 30% sulfuric anhydride, at a temperature between the approximate limits of −20° F. and 150° F., the strength of the reagent used being selected according to the temperature of treatment and the reactivity of the hydrocarbon oil treated so as to cause no objectionable discoloration or polymerization on contact with the oil at the treating temperature, and then, while continuing the agitation, slowly adding, in a second step, to the total reaction mixture of the first step, a sulfuric acid reagent ranging from 40% fuming sulfuric acid to sulfuric anhydride, the initial treatment being performed with about 10% to 100% of the total sulfuric acid used.

2,079,444
OPERATING POINT CONTROL FOR THERMIONIC DEVICES
George W. Fyler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 9, 1935, Serial No. 5,744
6 Claims. (Cl. 179—171)



1. The combination with a signalling system comprising a thermionic device, means to impress on said system modulating potentials in the audio frequency range, said potentials having an envelope varying in amplitude, and plate voltage supply means for said thermionic device including a rectifier having a control electrode, of a second rectifier and means to supply current thereto from said first-named means, a filter connected to said second rectifier arranged to pass only the direct current component and current representing the envelope amplitude variations of said current supplied from said first-named means, means to impress bias voltages on said control electrode varying in accordance with the current variations passed by said filter thereby to vary the plate voltage of said thermionic device in accordance with said variations in amplitude of said envelope, and means responsive to the plate current of said thermionic device to vary the grid bias thereof.

2,079,445
CONTROL APPARATUS FOR RADIO RECEIVERS
Richard J. Glass, Columbus, Ohio
Application November 24, 1933, Serial No. 699,543
3 Claims. (Cl. 250—20)

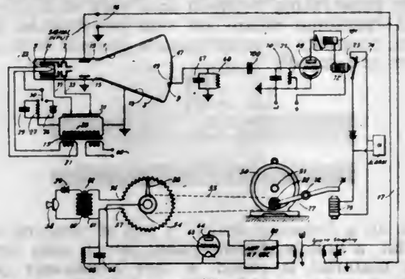


2. In radio receiving apparatus, a plurality of variable condensers, manually operated means for effecting selectively independent adjustment of said condensers to control their response to radio excitation of varying frequencies, signal-receiving circuits for each of said selectors, a clock operated switch mechanism for automatically and successively effecting the opening and closing of said circuits in predetermined order, said switch mechanism comprising clock-driven hour and minute contact arms, a series of spaced stationary contacts disposed for engagement with the hour contact arm, a smaller number of spaced stationary contacts disposed for engagement with the minute arm, a plurality of time setting switches comprising a plurality of manually adjustable relatively spaced independently movable contact arms and spaced stationary contacts disposed for engagement with said arms, the complemental spaced stationary contacts of the clock operated and time setting switches being in direct electric connection, relay operated switches for said signal-receiving circuits, said relay switches being opened or closed in accordance with the flow of current through the clock operated and manually adjusted time setting switches, and a clearing switch manually adjustable to render inactive all but one of said signal-receiving circuits, whereby to render the apparatus adaptable for non-automatic control.

2,079,446
OVER-MODULATION PROTECTIVE DEVICE
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 20, 1933, Serial No. 694,383
18 Claims. (Cl. 179—171)

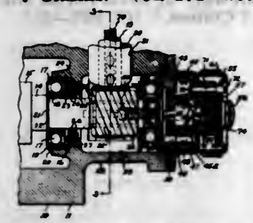
3. The combination with a cathode ray device for producing a sharply defined electron stream

in the form of a beam, of means to apply signal waves of varying amplitude to said device, and means in the path of the beam when deflected



by a signal whose amplitude exceeds a predetermined value for controlling said first means to reduce the amplitude of said signals applied to said device.

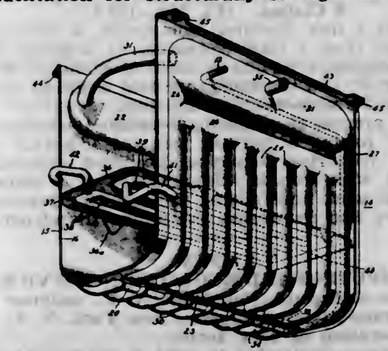
2,079,447
MAGNETO
Leonard Griffiths and Sidney H. Franklin, Coventry, England, assignors to General Electric Company, a corporation of New York
Application January 30, 1936, Serial No. 61,614
In Great Britain February 26, 1935
7 Claims. (Cl. 171—209)



1. In combination, a magneto provided with a rotatable shaft and a rotor mounted on said shaft, an actuating spindle for an internal combustion engine distributor, said shaft having an extended splined portion, a helical gear slidably mounted on said splined portion of said shaft, biasing means for biasing said helical gear against axial movement along said splined portion of said shaft, a second helical gear secured to said spindle and meshing with said first named helical gear, and manually operable means for selectively displacing said first named helical gear axially along said splined portion of said shaft against the biasing force exerted thereon by said biasing means to vary the angular relation between said spindle and said shaft about their respective axes, said manually operable means including an axially slidable cam associated with said first named helical gear and a manually movable cam contacting with said first named cam.

2,079,448
EVAPORATOR
Frank T. Grothouse, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 3, 1934, Serial No. 751,337
18 Claims. (Cl. 62—126)

1. An evaporator of the flooded type for refrigerating apparatus including complementary sheet metal portions, at least one of said sheet metal portions having an indentation therein forming an elongated header for said evaporator, said header being adapted to contain liquid refrigerant and constituting a chamber for the accumulation of vaporized refrigerant above the level of liquid refrigerant therein, means joining said sheet metal portions in substantially continuous lines along the longitudinal edges of said indentation for structurally strengthening said



header, means including an extended refrigerant passage formed between said sheet metal portions and communicating with said header adjacent the opposite ends thereof below the level of liquid refrigerant therein for providing a reentrant refrigerant circulatory path through said header, and means for withdrawing vaporized refrigerant from said header.

2,079,449
WELL DRILLING RIG ATTACHMENT
Albert A. Haldeman, Seiling, Okla., assignor of one-half to Ralph E. Gilchrist, Wichita, Kans.
Application March 28, 1936, Serial No. 71,472
5 Claims. (Cl. 255—19)



1. In a well drilling apparatus, the combination with a drilling rig, a kelly rod and an operating cable, of a guide structure mounted on one side of the drill rig and including a trackway disposed at an angle to the perpendicular, a member operatively connecting one end of the cable with the kelly rod, said member having arms projecting therefrom and rollers on the ends of the arms riding in said trackway, said kelly rod intermediate its ends being also provided with a fixed circular collar, a clamp embracing said collar, said clamp having an arm projecting therefrom, and rollers on the free end of said arm operating in said track.

2,079,450

AMINO-CHLORODIPHENYL DERIVATIVES

Morton Harris, Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application March 21, 1935, Serial No. 12,251

9 Claims. (Cl. 260—130.5)

8. As a new chemical compound, a material selected from a class consisting of 2-amino-4'-chlorodiphenyl having a melting point of 46.8 to 47.2° C. and the inorganic acid addition salts of said 2-amino-4'-chlorodiphenyl.

9. A process of preparing 2-amino-4'-chlorodiphenyl having a melting point of 46.8–47.2° C. which comprises reducing 2-nitro-4'-chlorodiphenyl with iron in the presence of a strong mineral acid, neutralizing the resulting reaction mixture and recovering the amine therefrom.

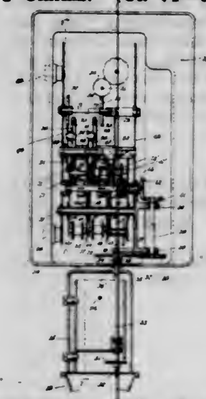
2,079,451

COMPUTING AND REGISTERING DEVICE

Charles S. Hazard, New York, N. Y., assignor to Neptune Meter Company, New York, N. Y., a corporation of New Jersey

Application September 19, 1934, Serial No. 744,647

3 Claims. (Cl. 74—328)



1. In an apparatus of the character described the combination of a mechanism to be actuated, a source of motion, a drive shaft driven by the source of motion, a plurality of annular rotatable translating devices, each having a plurality of gear sets thereon, the drive shaft being journaled within the annular devices, gears on the drive shaft adapted to be engaged by a selected one of the gears of the gear sets of the respective translating devices, a first planetary gear train having a ring gear adapted to be engaged by a selected one of the gears of the gear sets of one of the respective translating devices, the planet pinions of the first train being mounted on the first named gear, and a second planetary gear train having a ring gear adapted to be engaged by a selected one of the gears of the gear sets of another of the respective translating devices, the planet pinions of the second train driving the sun-gear of the first train.

2,079,452

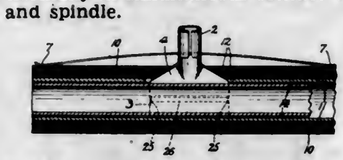
CLEANING DEVICE

Hester W. Hunter, Chicago, Ill., assignor to Kimberly-Clark Corporation, Neenah, Wis., a corporation of Delaware

Application December 7, 1935, Serial No. 53,335

3 Claims. (Cl. 15—231)

1. In a cleaning device, a roll of cleaning material, a hollow spindle about which said cleaning material is rolled, a core removably positioned within said spindle, a handle, a support associated with said handle and including a portion penetrating between said core and spindle, and frictional means on said penetrating portion, normally in simultaneous contact with said core and spindle.



3. In a cleaning device, a roll of cleaning material, a hollow spindle about which said cleaning material is rolled, a core removably positioned within said spindle, a handle, a support associated with said handle and including a portion penetrating between said core and spindle, and frictional means on said penetrating portion, normally in simultaneous contact with both core and spindle, and additional means adapted simultaneously to direct a thrust against the exterior of the roll.

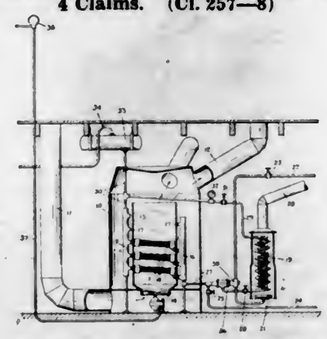
2,079,453

HEATING OR COOLING SYSTEM

John B. Julian, Lincoln, Nebr.

Application July 2, 1935, Serial No. 29,553

4 Claims. (Cl. 257—8)



3. In a heating or cooling system adapted for installation in a furnace jacket or the like, said system including an air conduit in the furnace jacket and spaced from the walls thereof, a plurality of inclined heating or cooling units within said air conduit, a pair of manifolds in the space between said air conduit and the walls of the furnace jacket, connections between said units and each of said manifolds, means for circulating water at predetermined temperatures through said manifolds and through said units, a fan within said air conduit for creating a forced draft past said units and through the warm air pipes of the furnace jacket, and thermostatically operable means responsive to the room temperatures for governing the operation of said fan.

2,079,454

LIGHTER

Axel Kilstrom, Cranston, R. I., assignor to Henry Lederer & Bro., Inc., a corporation of Rhode Island

Application February 19, 1932, Serial No. 593,984

6 Claims. (Cl. 67—7.1)

3. In combination a fuel casing having a top wall with a recess therein, a finger projecting from said top wall into said recess and having a portion extending down sharply below said top wall, a wick projecting from said casing, a friction wheel rotatably mounted adjacent said wick, a snuffer for said wick pivoted on said casing, a spring en-



gaging said snuffer and the downwardly extending portion of said finger and urging the snuffer about its pivot to cover the wick, and a finger piece pivoted about the axis of said friction wheel and movable by said snuffer when moved to closed position.

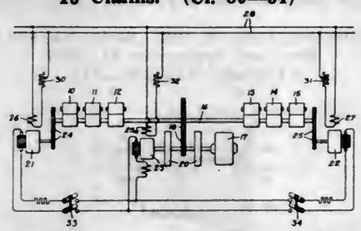
2,079,455

ROLLING MILL

August L. Krause, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 23, 1933, Serial No. 658,003

16 Claims. (Cl. 80—54)



1. In combination, a rolling mill provided with a plurality of rolls, driving means connected to said mill at one end of the rolls thereof, a dynamo electric machine connected to said mill at the opposite end of the rolls for exerting a braking torque to prevent back lash, and a second dynamo electric machine mechanically connected to said driving means and connected to said first dynamo electric machine.

2,079,456

BAKING PAN

Adrien L. Langel, Chicago, Ill., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application February 12, 1936, Serial No. 63,571

7 Claims. (Cl. 53—6)



1. A multiple baking pan comprising a plurality of pans arranged side by side in a row, a band frame around the pans, pairs of braces connecting the sides of the frame between the pans and serving to space the pans apart in said frame, and binders connecting the braces and pans together between the ends of the pans, said binders comprising strips having a tongue and slot connection with the braces, and said pans being curled over the free ends of said binders thereby locking the parts together.

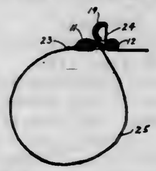
2,079,457

DEVICE FOR TAKING BLOOD PRESSURE

Eugene Laurisin, Youngstown, Ohio

Application July 26, 1934, Serial No. 737,087

2 Claims. (Cl. 128—327)



1. In a device for taking blood pressure, a relatively short inflatable casing, in combination with a locking means comprising a basal part consisting of two parts spaced apart and parallel to each other and having flat lower surfaces, one of said parts having a convex upper surface, a top portion provided with inturned ends and said ends hinged to said basal part and said top portion provided with a concave portion on its under side in order to fit over said convex basal part, substantially as described for the purpose set forth.

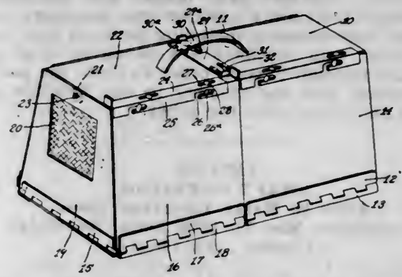
2,079,458

COLLAPSIBLE ANIMAL CARRIER

Fred Leichtfuss, New York, N. Y.

Application October 15, 1935, Serial No. 45,073

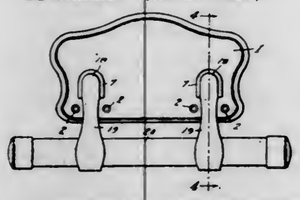
1 Claim. (Cl. 220—7)



In a collapsible carrying case for animals, a pair of sections, bottom plates for said sections hingedly connected at their inner meeting ends, and roof members for said sections, said bottom plates arranged end to end, latches to lock both sections together in built up position of the case at the roof members also arranged end to end, each of said sections comprising a pair of near, substantially inwardly inclined side walls, and an end wall snugly engaging the side walls of the respective section, said side walls and end wall hingedly connected to the bottom plate of their respective section, one of the side walls of each section hinged to the roof member of this section to allow a collapse of the end wall thereof, as well as of the side walls and roof member of the section against the bottom plate thereof, said end wall being slotted, and an ear depending from the end of the roof member and having a tongue formed therewith projecting through the slot in said end wall, a pin passed therethrough

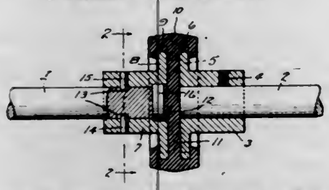
for locking said end wall to the adjoining roof member in the built up position of the carrying case, and angular latches overlapping the meeting edges of the roof member and side wall opposite to the hinge thereof and slidably held with one of their branches to the roof member and having bayonet slots in the depending branch thereof engaging the side wall to be engaged by pins projecting from said side wall for locking said side wall to the roof member in the built up position of the case, and a strap holder for the casing connected to the roof members for conveniently carrying the case in its collapsed condition.

2,079,459
CONNECTION FOR BURIAL CASE HANDLES OR THE LIKE
Bonnie L. Mallory, Cleveland Heights, Ohio
Application June 7, 1935, Serial No. 25,461
14 Claims. (Cl. 16—112)



1. In a connection for handles or the like, a member provided with a receiving opening, attaching parts on opposite sides thereof at substantially right angles to the plane of said opening, and a second member having an entering portion engaged within said opening with opposed parts thereof alongside the aforesaid attaching parts, the said parts that are associated with one member having bosses while those associated with the other member have bearing apertures wherein said bosses are journaled thereby to pivotally connect the members together, the members including portions that coact when said members are swung to a given angular relation to each other to force the parts associated with one member in the direction of those associated with the other.

2,079,460
SHAFT COUPLING
John M. Marty, Cleveland, Ohio
Application May 22, 1936, Serial No. 81,246
5 Claims. (Cl. 64—11)



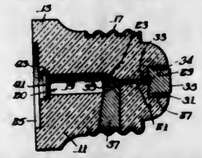
1. A shaft coupling for forming a detachable, resilient driving connection between a pair of shafts comprising a pair of hubs connected with said shafts respectively, each hub having a notched peripheral portion, a rubber sleeve surrounding the notched portions of said hubs and forming a driving connection therebetween, said sleeve having an integrally formed web portion thereon having a boss projecting into one of said hubs and means cooperating with said web portion and boss for resiliently and detachably securing the adjacent shaft with respect thereto.

2,079,461
BUILDING CONSTRUCTION
John H. MacMillan, Jr., Minneapolis, Minn.
Application December 31, 1934, Serial No. 759,931
6 Claims. (Cl. 189—1)



1. Building construction having in combination walls and a roof tightly joined and constructed of material substantially impervious to the passage of air, said building including a shell in the form of an unreinforced sheet metal membrane constituting at least a portion of the roof, a blower having its intake outside of said building and connected to discharge air under pressure within said building and means subjected to air pressure within said building for controlling the operation of said blower to maintain a substantially predetermined air pressure within said building and against said shell in excess of the atmospheric air pressure outside of said building and below a pressure sufficient to rupture said membrane.

2,079,462
FUSE PLUG
Frank J. McHugh, Chicago, Ill., assignor, by mesne assignments, to Fred R. Tuerk, Chicago, Ill.
Application June 30, 1933, Serial No. 678,404
Renewed September 24, 1936
5 Claims. (Cl. 200—113)



4. A circuit interrupter comprising a body of insulating material having a channel extending from end to end of said body, said channel being restricted at one end and enlarged at the other, means forming a translucent window closing the enlarged end of said channel, an end electrode closing the restricted end of the channel, said electrode being exposed on one side in said channel and on the other side exposed outwardly of the end of said body, an intermediate electrode exposed in said channel substantially at the junction of the restricted and enlarged channel portions, a contact-making element carried on and exposed outwardly of said body, and means electrically connecting the intermediate electrode with said contact-making element.

2,079,463
VAT DYESTUFFS OF THE ANTHRAQUINONE-AZINE SERIES
Joachim Mueller and Karl Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application December 27, 1934, Serial No. 759,429. Divided and this application November 5, 1935, Serial No. 48,282.
In Germany January 26, 1934
1 Claim. (Cl. 260—31)

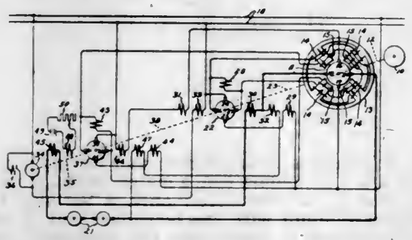
4'-benzoylamino-3.3'-dibromanthraquinone-dihydroazine forming a blue-green powder dissolving in concentrated sulfuric acid giving a brown coloration dyeing vegetable fibres blue-green shades from a blue vat.

2,079,464
HYPERBOLIC SCALE RULE
Hisashi Okura, Tokyo, Japan, assignor to The Hemmi Seisakusho Co., Tokyo, Japan
Application March 20, 1933, Serial No. 661,743
In Japan January 14, 1932
2 Claims. (Cl. 235—70)



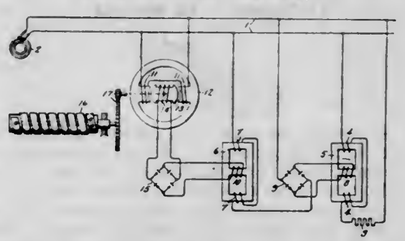
1. A slide rule comprising two parallel fixed bars secured together on both ends with space therebetween and a bar slidably inserted into the space between the said fixed bars, one fixed bar having a square root scale on its front face and a Gudermanian scale, a tangent scale and a logarithmic scale on its back face, and the sliding bar having a square root scale and a logarithmic scale on its front face and a reversed logarithmic scale on its back face, and the other fixed bar having an equidivision scale on its back face, all of the said scales being calibrated along the length of the bar taking the equidivision scale as the standard scale.

2,079,465
POWER SYSTEM
Giuseppe M. Pestarini, Turin, Italy
Application August 24, 1936, Serial No. 97,680
In Germany August 24, 1935
17 Claims. (Cl. 172—239)



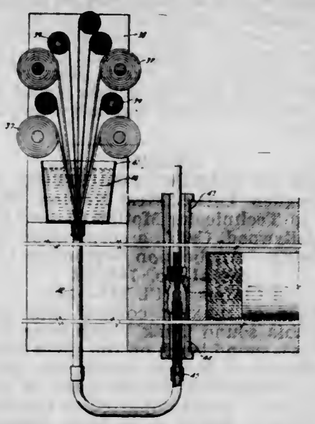
1. An electrical system including a main metadyne dynamo-electric machine having an armature, means including a primary brush set and a secondary brush set associated with said armature for providing a primary circuit and a secondary circuit therethrough, said secondary brush set being electrically displaced from said primary brush set, a field exciting winding arranged to produce a component of magnetic excitation along the primary commutating axis of said main metadyne dynamo-electric machine, means including an auxiliary dynamo-electric machine for controlling the energization of said field exciting winding, a second field exciting winding arranged to produce a component of magnetic excitation along the secondary commutating axis of said main metadyne dynamo-electric machine, and means including a second auxiliary dynamo-electric machine for controlling the energization of said second field exciting winding.

2,079,466
ELECTRICAL CONTROL SYSTEM
Henry Eckford Phillips, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 20, 1934, Serial No. 736,163
2 Claims. (Cl. 219—20)



1. In an automatic regulating system, in combination, an alternating current supply circuit, an electrical heater connected to be energized from said circuit, a saturable core reactor having a direct current control winding and having an alternating current winding in circuit with said heater, means including a rectifier for energizing said direct current control winding from said circuit, a variable inductive coupling transformer for controlling the current in said direct current winding, and means responsive to temperature produced by said heater for varying the inductive coupling of said transformer by rotating its windings relatively to each other.

2,079,467
PROCESS FOR PRODUCING METALLIC PACKING
Jacob R. Price, Kansas City, Mo., assignor to Price Metal Refining Company, Kansas City, Mo., a corporation of Missouri
Original application March 12, 1932, Serial No. 598,385. Divided and this application November 23, 1933, Serial No. 699,474
4 Claims. (Cl. 154—2)



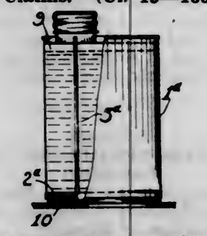
3. The process of producing a packing including confining a body of formative metal, impregnating a compressible strand with lubricant, and passing the impregnated strand together with a metallic strand through the body of metal, and extruding the metal in a continuous tubular sheath about the compressible and metallic strands to form a cellular packing structure.

2,079,468
LUMINOUS DEVICE AND METHOD OF AND APPARATUS FOR MAKING THE SAME
William J. Schirmer, Cleveland, Ohio
Original application May 15, 1936, Serial No. 79,888. Divided and this application February 15, 1937, Serial No. 125,794
12 Claims. (Cl. 40—133)



3. A method of making a device having characters, which comprises forming a template having continuous uninterrupted recesses corresponding to said characters, supporting a flat sheet-like base member on said template, cutting said base member to provide continuous uninterrupted openings corresponding to said characters, and inserting flexible strips of greater width than said base member in continuous succession through the openings in said base member and into the recesses of said template.

2,079,469
APPLICATOR DEVICE
Bernard A. Schmitter, Rahway, N. J.
Application June 14, 1934, Serial No. 730,592
7 Claims. (Cl. 15—133)

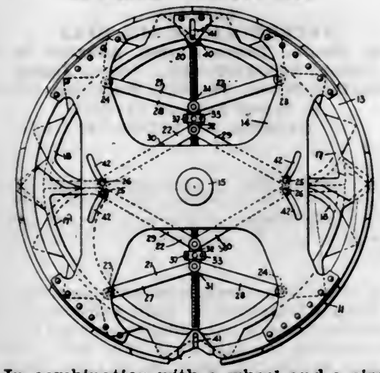


1. An applicator device comprising a container for liquids, a pad of absorbent material affixed to one end of the container, a tube having imperforate walls positioned within the container and affixed thereto with its outer end terminating below and adjacent to the absorbent pad and its inner end extending into close proximity to the opposite end of the container, and means integral with the container to exert pressure on the liquid therein to forcibly deliver liquid through the tube to the absorbent pad only when said pad is uppermost.

2,079,470
METHOD OF MAKING IMBIBITION FILMS
Bertha Sugden Tuttle, West Newton, Mass., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
No Drawing. Application September 12, 1934, Serial No. 743,718
8 Claims. (Cl. 101—149)

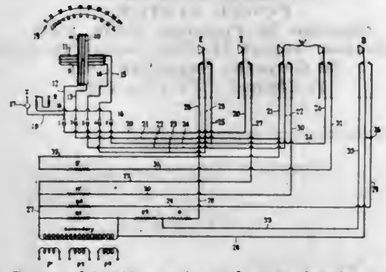
7. Method of making colored film having a photographic sound track, comprising the steps of printing a sound track on the silver halide gelatine emulsion of a film, developing and fixing the film, conditioning the pH value of the gelatine with the reagents imparted to the film upon developing and fixing to a value substantially different from the isoelectric point of the gelatine, treating the film with a chromic hardening agent having a controlled pH value which, with the pH value of the said reagents, produces upon contact between gelatine and hardening agent an effective pH value approximating said isoelectric point, and transferring picture records to said film by imbibition printing.

2,079,471
TRACTION WHEEL
John M. Unseld, Elizabeth, N. J.
Application December 27, 1935, Serial No. 56,310
11 Claims. (Cl. 301—46)



1. In combination with a wheel and a circular rim around said wheel, sectors hinged upon each other and abuttingly fitting into said rim, lugs outwardly protruding from said sectors through openings in said rim, and means collapsibly supporting said sectors in said wheel.

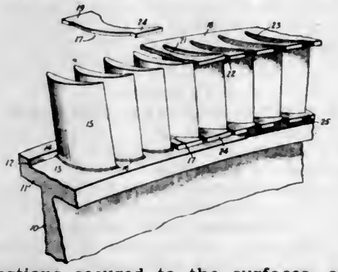
2,079,472
ELECTRICAL MEASURING INSTRUMENT
Thomas W. Varley, New York, N. Y.
Application July 1, 1935, Serial No. 29,268
9 Claims. (Cl. 171—95)



2. In combination a transformer having a primary and a secondary coil, a meter having a movable and a stationary coil only, a variable resistance in shunt with the secondary coil, a second resistance in series with the secondary coil, a circuit operating means to place the coils of the meter in series with each other and with the second resistance and the secondary of the transformer when the meter is to read amperes, a third resistance in series with the second resistance, a fourth resistance in parallel with the shunt resistance, and a circuit operating means to place said third and fourth resistance in circuit in one position and to open the circuit to said resistance in another position.

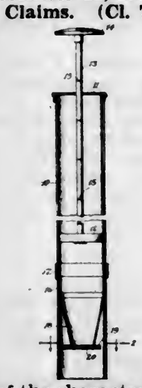
2,079,473
NOZZLE DIAPHRAGM AND THE LIKE AND METHOD OF MAKING THE SAME
Raymond B. Wade, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application July 18, 1935, Serial No. 32,001
4 Claims. (Cl. 29—156.8)

4. An article of manufacture comprising a holding member having two concentric axially spaced cylindrical surfaces defining a shoulder between them, a plurality of partitions defining passages, said partitions abutting the shoulder and having ends welded to one of the surfaces, and a spacer between adjacent partitions having



end portions secured to the surfaces, opposite edges of the spacer and adjacent sides of the partitions forming smooth corners which offer a minimum resistance to the flow of a fluid passing through the passages defined between adjacent partitions.

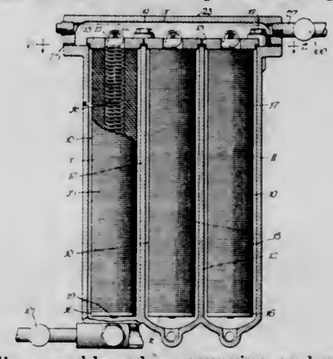
2,079,474
DUST AND FUME SAMPLER
Thomas A. Walsh, Bronxville, N. Y.
Application December 11, 1935, Serial No. 53,998
2 Claims. (Cl. 73—51)



1. A device of the character described comprising a cylinder open at one end, a plunger movable in the cylinder, a tube detachably engageable with the open end of the cylinder to communicate therewith, a nozzle within the tube forming a restricted passage in continuation of the interior thereof, said tube having aligned slots in opposite walls, and a specimen slide positioned in the slots and located across the end of the nozzle.

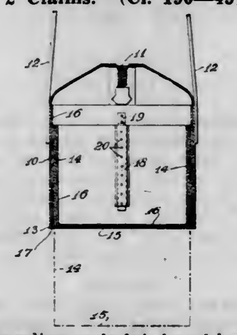
2,079,475
FUEL OIL FILTER CONSTRUCTION
Paul Williams and Frank W. Brazel, Detroit, Mich., assignors to Skinner Purifiers Inc., Detroit, Mich., a corporation of Delaware
Application June 5, 1936, Serial No. 83,754
4 Claims. (Cl. 210—184)

1. In a filter-apparatus, the combination of an inlet-conduit for the liquid to be filtered, a discharge-conduit for the filtered liquid, a plurality of chambers connected to said inlet and discharge conduits in parallel relation to one another, a filtering-means in each of said chambers, a normally-closed drain for each of said chambers on the unfiltered liquid side of its filtering-means, and means to suspend temporarily the feed of impure liquid from said inlet-conduit into any one of said chambers and to open the drain of said chamber, the drainage from said chamber effecting a reverse flow of filtered liquid through the filtering-means of said temporarily-inoperative chamber, whereby the impurities adhering to the surface of said inactive filtering-means are washed away and carried off with the drained-off liquid, said inlet-conduit comprising a manifold common to all of said chambers and in which construction each of said means for suspending the feed of liquid to a chamber and for rendering the drain of said chamber operative comprises a



manually-operable valve occupying and movable longitudinally in an opening in the chamber-wall which communicates with the chamber and intersects said inlet-manifold, said valve having a longitudinal passage therein open at one end and having a lateral port connecting with said passage, whereby when said valve is in one position said inlet-manifold is in communication with said chamber through said port and longitudinal passage and when said valve is in another position it closes such connection with said manifold and drains said chamber through said longitudinal passage and said port.

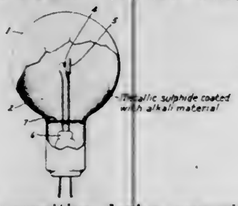
2,079,476
TRAVELING OR LADY'S HANDBAG
Lise Wolff, née Saling, Berlin-Grunewald, Germany
Application June 24, 1936, Serial No. 86,939
In Germany April 6, 1936
2 Claims. (Cl. 190—45)



1. In a traveling or lady's hand bag, stationary and movable members in telescoping engagement with one another, wherein the stationary member constitutes the interior member and the movable member constitutes the exterior member, means secured to the stationary member and adapted to overlap the upper edge of the movable member for concealing the joint between the two

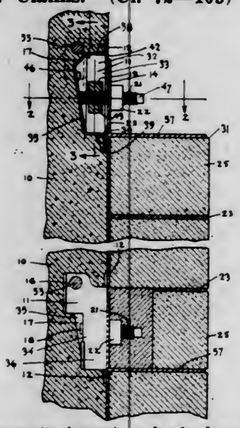
members, guide means associated with the two members and consisting of two telescoping parts both provided with apertures for receiving removable pins adapted to fix the relative position of the two bag members to one another, and a lining connecting the interior of both bag members.

2,079,477
PHOTOELECTRIC TUBE
Soichiro Asao and Miyuki Nagashima, Tokyo, Japan, assignors to General Electric Company, a corporation of New York
Application November 27, 1931, Serial No. 577,650
In Japan December 30, 1930
6 Claims. (Cl. 250—27.5)



1. A light-sensitive device comprising an envelope containing an electrode and a silver foundation metal on said envelope, a sulphur-containing coating on said foundation metal, and a layer of caesium on said coating.

2,079,478
CONCRETE INSERT
Carl E. Bashe, Minneapolis, Minn.
Application October 23, 1935, Serial No. 46,309
7 Claims. (Cl. 72—105)



4. In a concrete insert, a body having a front wall, a rear wall angularly disposed with reference to said front wall, said front wall having a slot therein, a nut within said body, and a threaded member extending through said slot and screwed into said nut, said threaded member engaging said rear wall and urging said nut into engagement with the body.

2,079,479
WELDING ROD AND THE LIKE
Irving T. Bennett, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application September 23, 1935, Serial No. 41,780
8 Claims. (Cl. 219—8)

1. A composite welding rod built up of at least two elements in definite juxtaposed substantially segregated relation, one of which is predominantly of metallic copper or copper-base alloy and the other predominantly of material of the group comprising lead and reducible lead alloy, the total amount of lead chemically presented by the rod being approximately 1 to 20% of the metallic constituents thereof and being predominantly contained in the material of said group, said rod linearly thereof having a substantially uniform metallic chemical composition.

2,079,480
WELDING ROD AND THE LIKE
Irving T. Bennett, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application September 23, 1935, Serial No. 41,781
9 Claims. (Cl. 219—8)

1. A composite welding rod of at least two elements in definite juxtaposed substantially segregated relation, one of which is a copper-base alloy containing 0.01 to 6% silicon and the other material of the group comprising lead and reducible lead alloy, the total amount of lead chemically presented by the rod being approximately 1 to 20% of the metallic constituents thereof and being predominantly contained in the material of said group, said rod linearly thereof having a substantially uniform metallic chemical composition.

2,079,481
LEADED PHOSPHOR-BRONZE WELDING ROD
Irving T. Bennett, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application October 26, 1935, Serial No. 46,932
8 Claims. (Cl. 219—8)

1. A welding rod comprising a phosphor-bronze body containing 0.1 to 15% tin and 0.005 to 12% phosphorus having a coating containing lead or a reducible lead alloy and presenting a rod having 1 to 20% lead.

2,079,482
WELDING ROD AND THE LIKE
Irving T. Bennett, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application September 23, 1935, Serial No. 41,782
12 Claims. (Cl. 219—8)

1. A composite welding rod formed of a plurality of elements in definite juxtaposed substantially segregated relation selected from among copper, copper-base alloy containing tin, tin free copper-base alloy, tin, lead, and alloy containing tin and lead to form a welding rod presenting, approximately, 2 to 20% lead and 1 to 20% tin with the sum of the tin and lead between 4 and 40% and the balance predominantly copper, the rod linearly thereof having a substantially uniform metallic composition in respect to copper, tin and lead, which rod when arc-deposited will form a copper-base alloy weld metal containing tin and finely dispersed lead or lead-tin alloy.

2,079,483
WELDING ROD
Irving T. Bennett, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application April 17, 1935, Serial No. 16,816
3 Claims. (Cl. 219—8)

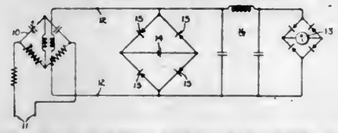
1. A composite welding rod built up of at least two elements in definite juxtaposed substantially

segregated relation substantially uniformly distributed linearly of the rod, one of which elements is predominantly of tin-free copper, or tin-free copper-base alloy, or copper-base alloy containing tin, the element in each instance containing dispersed lead, the other element being predominantly material of the group comprising lead, tin, and tin-lead alloy, the rod always presenting appreciable amounts up to 12% tin, and the lead being present in appreciable amounts up to 15%.

2,079,484
WELDING ROD AND THE LIKE
Irving T. Bennett, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application July 16, 1935, Serial No. 31,622. Renewed February 16, 1937
12 Claims. (Cl. 219—8)

1. A welding rod comprising copper or a copper-base alloy mechanically associated with substance comprising reducible lead compound capable of introducing into the weld metal from appreciable amounts up to about 15% lead.

2,079,485
PROTECTIVE ARRANGEMENT FOR ELECTRICAL INSTRUMENTS
Henry W. Bousman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application October 23, 1934, Serial No. 749,543
1 Claim. (Cl. 171—95)



A voltage protective system comprising in combination a measurement bridge having terminals across which a voltage proportional to the condition of unbalance of said bridge appears when the bridge is in use, a sensitive electrical instrument subject to such voltage to guide in balancing the bridge, and means including a rectifier and a storage battery in series relation connected in shunt relation to said terminals such that the battery cannot discharge through the rectifier but may be charged therethrough, the battery having a counter E. M. F. such as to prevent charging when the bridge is substantially balanced and the voltage applied to said instrument is low but such as to cause charging when the bridge is appreciably unbalanced and the voltage across said terminals tends to be in excess of that which it is desirable to apply to the instrument.

2,079,486
PROPELLER
Frank E. Carlson, Brooklyn, N. Y.
Application September 18, 1936, Serial No. 101,360
5 Claims. (Cl. 170—167)

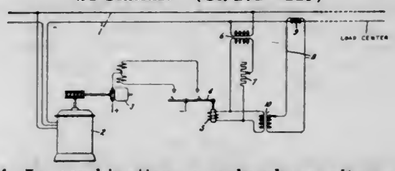


1. A propeller comprising a hub, a spoke extending substantially radially from the center of the hub, a spoke at each end of the hub extending in a direction inclined from a radial line, and a substantially uniform spiral rim formed in sections carried by the outer ends of said spokes with the respective ends spaced axially apart, the axial length of the propeller and the spacing of said ends being approximately equal.

2,079,487
ESTERS OF DICARBOXYLIC ACIDS AND SUBSTITUTED PHENOLS
Thomas S. Carswell, Kirkwood, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 6, 1934, Serial No. 756,277
10 Claims. (Cl. 260—103)

1. As a new chemical compound, a neutral ester of a dicarboxylic acid selected from a group consisting of phthalic acid, succinic acid, fumaric acid and maleic acid with a phenol selected from a group consisting of phenol and cresol, the phenol further containing as a substituent in the benzene nucleus a group selected from the class consisting of phenyl, benzyl, octyl, butyl and amyl.

2,079,488
VOLTAGE REGULATION
Franklin J. Champlin, Dalton, Mass., assignor to General Electric Company, a corporation of New York
Application October 23, 1935, Serial No. 46,321
24 Claims. (Cl. 171—119)



24. In combination, a poly-phase alternating current circuit, a voltage measuring device adapted to be connected between two of the conductors of said circuit by means of a single potential transformer, and line drop compensating means for said device adapted to be connected by means of a single current transformer to respond to the current in one of the two conductors of said circuit between which said potential transformer is connected, said line drop compensating means including two separately operable elements for adjusting respectively for the magnitude of the impedance of said circuit and for the ratio of the resistance to the reactance of said circuit.

2,079,489
RECLAIMING OF RUBBER
Robert M. Cole, Bryn Athyn, Pa.
No Drawing. Application March 30, 1936, Serial No. 71,683
4 Claims. (Cl. 18—52)

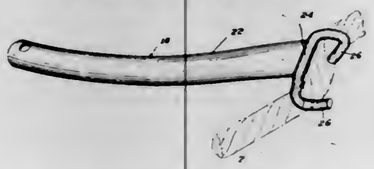
1. In the reclaiming of rubber from waste rubber products, the step of subjecting the rubber product while immersed in water, to a temperature of from about 250° C. to about 350° C., and under a pressure corresponding to the temperature to maintain the water as such.

2,079,490
MALEIC ACID FROM DIOLEFINES
Courtney Conover, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 1, 1935, Serial No. 14,122
2 Claims. (Cl. 260—116)

1. A method of preparing maleic acid to the substantial exclusion of other organic compounds

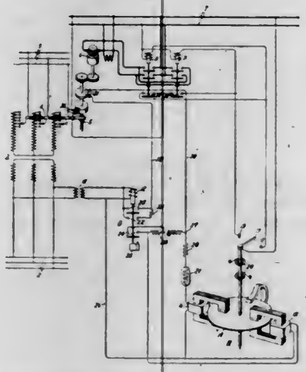
which comprises oxidizing a vaporous mixture of approximately one part by weight of a cyclic diolefine containing at least five carbon atoms with at least twenty parts by weight of air in the presence of a catalyst containing as its principal component vanadium oxide, at a temperature within the range of 400 to 525° C.

2,079,491
SKI-TOW APPARATUS
Theodore C. Cooke, Swampscott, Mass.
Application December 23, 1936, Serial No. 117,327
9 Claims. (Cl. 104—202)



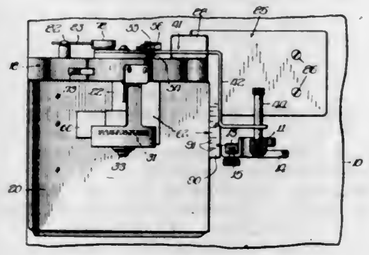
1. A ski-tow apparatus comprising a power-driven endless tow-rope and hold-on devices therefor, each of said devices having an elongated handle and a shank having rigid angular hook-members projecting forwardly from the ends thereof, said members adapted to be placed in removable engagement with said tow-rope at opposite sides thereof and to bend the tow-rope whereby to lock the handle thereto when the shank portion is held in resistance to the motion of the tow-rope.

2,079,492
ELECTRICAL REGULATING SYSTEM
Eberhard Courtin, Berlin-Lankwitz, Germany, assignor to General Electric Company, a corporation of New York
Application August 23, 1934, Serial No. 741,163
In Germany August 23, 1933
6 Claims. (Cl. 171—119)



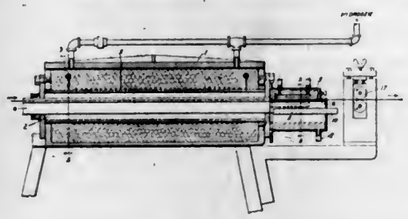
1. In combination, apparatus having an operating condition to be regulated, a circuit controller responsive to the value of said condition, a time delay relay whose energization is controlled by said circuit controller, said relay being operated by means energized in response to said condition in such a manner that the time delay operation of the relay varies inversely with the deviation from a normal value of said condition, and regulating means for said apparatus controlled by said relay.

2,079,493
ATTACHMENT FOR SEWING MACHINES
Sarah M. Crewdson, Chicago, Ill., assignor of one-third to Robert H. Goodhart, Chicago, Ill.
Application April 15, 1935, Serial No. 16,362
5 Claims. (Cl. 112—124)



1. An attachment for sewing machines comprising a frame having a shaft mounted for rotation therein, a cutting element fixed to the shaft, and means operatively connecting the shaft with a reciprocating member of the machine including an arm pivoting on said shaft, a drum fixed to the shaft and clutching members housed by the drum and adapted to be adjustably positioned within the drum, said members being forced into clutching engagement with the drum by movement of said arm to cause rotation of the drum and thus the cutting element, and means for varying the position of the clutching members within the drum to vary the speed of rotation of the cutting element.

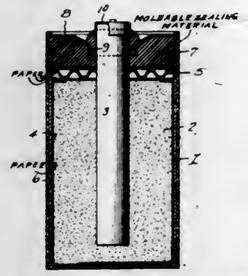
2,079,494
CONTINUOUS ANNEALING PROCESS
Christian Dantsizen, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 20, 1935, Serial No. 7,370
2 Claims. (Cl. 148—16)



1. The method of continuously bright annealing a ferrous metal strip which comprises drawing the strip while heated at a temperature of about 700° C. through a hydrogen atmosphere containing water vapor and thereafter while still in said hydrogen atmosphere suddenly quenching the strip to a temperature below 400° C.

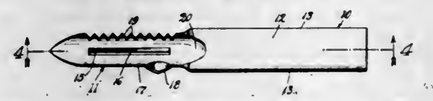
2,079,495
DRY CELL AND SEAL THEREFOR
Cyril P. Deibel, Lakewood, Ohio
Application November 7, 1935, Serial No. 48,724
5 Claims. (Cl. 136—133)

3. A dry cell comprising a metal container in which is disposed a mass of mix and a carbon electrode, an insulating jacket surrounding said container and extending above the upper edge thereof, a metal cover surrounding said carbon electrode and spaced from said container and closing said jacket, a mass of sealing material closing said cell and disposed partially interior and partially exterior of said cover, that portion



of the sealing material exterior of said cover being molded about said carbon electrode and serving to secure said cover in place, said cover having a hole therein through which said carbon electrode is accessible, the edges of said cover contiguous to said carbon electrode being deflected inwardly and embedded in said mass of sealing material.

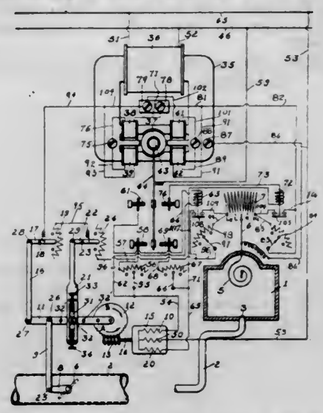
2,079,496
PARING AND CORING TOOL
Lawrence C. Domack, Elmwood Park, Ill.
Application December 19, 1934, Serial No. 758,191
2 Claims. (Cl. 146—204)



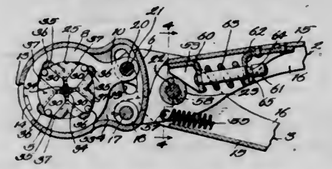
1. A paring and coring tool comprising a handle having a blade curved in cross section, a forwardly projecting longitudinal paring edge extending below the convex surface of the blade, an eye scoop on the rear portion of the forward margin of the blade projecting upwardly therefrom and conforming generally to the curvature of the blade whereby said cutting edge and scoop are arranged for cutting and scooping action respectively only when said tool is moved with the forward margin of the blade in advance, and a coring edge at the rear margin of the blade operative only when said blade is moved with said rear edge in advance whereby said cutting edge and scoop are inoperative as the blade is rotated with the coring edge in advance.

2,079,497
CONTROLLING SYSTEM FOR REGULATORS
Christian Wilhjelm, Philadelphia, Pa., assignor to Automatic Temperature Control Co. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application February 15, 1934, Serial No. 711,365
23 Claims. (Cl. 236—15)

1. The method of automatically controlling a condition substantially at a given value which comprises varying the condition controlling means a degree a predetermined function of the deviation of the condition from the given value, the function being automatically variable in accordance with the degree of deviation of the condition from the given value, and in retaining a substantial portion of the variation in the condition controlling means when the deviation in condition is checked and the condition returns to the given value.



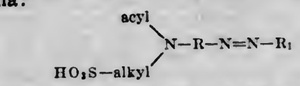
2,079,498
COMPRESSING TOOL
Harry A. Douglas, Bronson, Mich.
Application June 28, 1934, Serial No. 732,785
11 Claims. (Cl. 81—15)



1. Swedging mechanism including a swedging element, means for transmitting force to said swedging element including levers connected by a pivotal lost motion connection, said connection including pivot means on one of said levers and cooperating fulcrum means on the other of said levers, said pivot means being movable away from said fulcrum means, means for yieldingly maintaining said pivot means in abutment with said fulcrum means, said yielding means extending substantially longitudinally of one of said levers.

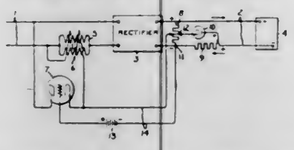
2,079,499
MONOAZO DYESTUFFS
Richard Fleischhauer, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 5, 1936, Serial No. 94,343. In Germany August 7, 1935
5 Claims. (Cl. 260—44.6)

1. The monoazo dyestuffs of the general formula:



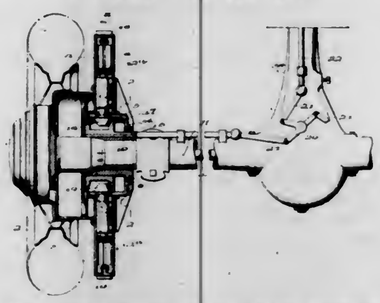
wherein R means a radicle of the benzene series and R_1 means a coupling component, which dyestuffs yield on fibers, especially wool or silk, various shades of very good fastness properties, especially to light and seawater, and of good levelling power.

2,079,500
ELECTRICAL CONTROL CIRCUIT
Caldwell B. Foos, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 29, 1934, Serial No. 717,979
11 Claims. (Cl. 175—363)



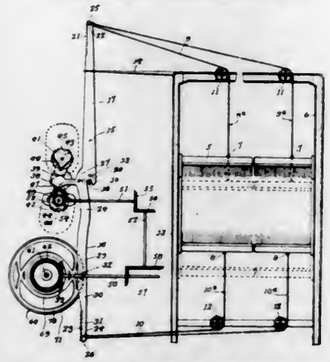
7. In combination, an alternating current supply circuit, a direct current load circuit, a rectifier interconnecting said circuits, a saturable reactor in said alternating current circuit, a shunt resistor connected across said load circuit, a series resistor connected in said load circuit electrically adjacent said shunt resistor so that said resistors have a common equipotential point which is of the same polarity with respect to the other ends of said resistors, a unidirectional conducting element connecting a point on said shunt resistor with a point on said series resistor which is normally at a less potential difference from said common point than said first mentioned point on said shunt resistor, the direction of non-conductivity of said element being such as to block the normal tendency of current to flow between said two last mentioned points, a source of substantially constant unidirectional potential, a control circuit responsive to the difference between the potential of said source and the potential drop in said shunt resistor between said two points thereon, and means including said saturable reactor responsibe to said control circuit for regulating the voltage and current of said direct current load circuit.

2,079,501
ANTISKID DEVICE
Gerald R. Gallagher and Richard M. Brady, Easton, Pa.
Application October 19, 1935, Serial No. 45,808
5 Claims. (Cl. 301—47)



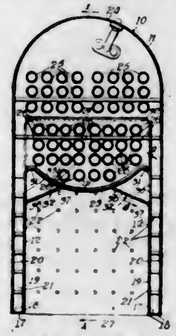
1. The combination of an axle housing, an axle, a wheel secured to the axle, a tread housing comprising two circular plates spaced apart and secured together and connected with the wheel, treads having guide rods connected therewith and slidably connected with the housing, friction means, means connected to the friction means and having telescopic connection with the guide rods, a double friction spool for applying friction in either direction to the friction means, and means for shifting this spool to various positions.

2,079,502
ACTUATING MEANS FOR HARNESS MOTION OF LOOMS
Arthur W. Gionet, Lowell, Mass., assignor to Boott Mills, Lowell, Mass.
Application August 1, 1935, Serial No. 34,278
5 Claims. (Cl. 139—76)



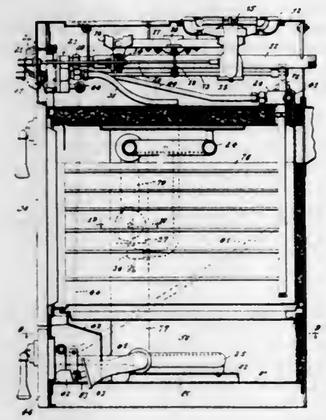
1. A dual control for a harness lever of a loom for positively controlling the lever during its complete cycle of operation, said control comprising in combination a laterally offset arm for contacting with a pair of pattern chains and a pivoted element, said arm and element being carried by said lever, and a cam track embodying inner and outer communicating raceways coacting with said element to positively control said lever for a portion of the cycle of its operation, said cam being disposed below said contact arm, said contact arm being alternately contacted on opposite surfaces thereof simultaneously by a riser of one and a sinker of the other chain to positively control said lever during that portion of the cycle of its operation which the lever is not positively controlled by the raceways coacting with said element.

2,079,503
BOILER
Alpheus C. Grist, Chattanooga, Tenn., assignor to Horace H. Peek, Sr., Chattanooga, Tenn.
Application May 13, 1936, Serial No. 79,531
6 Claims. (Cl. 122—74)



1. In a boiler, a fire box having side sheets and a crown sheet, a hollow brace or stiffening member extending into the fire box and joining the crown sheet to the upper part of a side sheet, said brace being open on its upper side and in free communication throughout its entire length with the interior of the boiler.

2,079,504
GAS RANGE
Stanley H. Hobson, Rockford, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of United States
Application May 8, 1934, Serial No. 724,552
3 Claims. (Cl. 236—15)



1. In a combination oven control, a single manually rotatable stem, a rotary gas valve comprising a stator, and a rotor turning with said stem, the stator and rotor having gas conducting channels provided therein to control the flow of gas from an inlet port to either of two main outlet ports and a secondary outlet port provided in the stator, the inlet port having communication with a gas supply and the main outlets with oven burners, and the secondary outlet with a pilot burner for an oven burner, and a thermostatic oven valve having a rotatable control member turned by connection with said stem, said rotary valve having its stator and rotor channels so constructed and arranged whereby in turning the rotor in one direction from "off" position to supply gas to the one main outlet and its related secondary outlet, while the thermostatic valve is set for a selected oven temperature, and in turning the rotor in the other direction from "off" position to deliver gas only to the other main outlet at a rate determined only by the adjustment of the rotor.

2,079,505
TOOL
Francis C. Hopkins, Providence, R. I.
Application May 7, 1936, Serial No. 78,505
2 Claims. (Cl. 81—49)



1. A device of the class described, comprising a pair of members pivotally connected together intermediate their ends, and each including a handle part and a jaw portion, the jaw portion having its inner face concaved and formed with a rib extending transversely of the jaw, the entire length of the concavity, said concavity and rib being shaped to conform to external characteristics of the work, whereby to prevent slipping of the tool on the work when in use.

2,079,506
EARTH PULVERIZER
Myron D. Jenks, San Fernando, Calif., assignor of one-half to Edward Weiss, Los Angeles, Calif.
Application July 13, 1936, Serial No. 90,398
6 Claims. (Cl. 47—57)

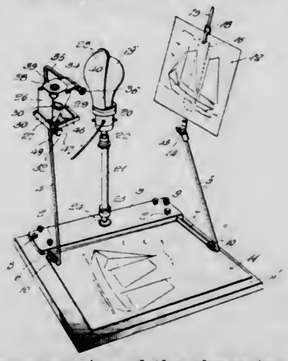


1. In a garden tool of the character described, a plate having a flanged marginal edge and having parallel rows of spaced perforations therein, headed tines in the perforations, and a retainer plate for the tines flatly engaged with the aforesaid plate for retaining the tines in position.

2,079,507
CATALYST
Edward S. Johnson, New Rochelle, N. Y., assignor to The Calco Chemical Co., Inc., Bound Brook, N. J., a corporation of Delaware
No Drawing. Application February 13, 1935, Serial No. 6,397
10 Claims. (Cl. 23—234)

1. A catalyst for vapor phase catalytic oxidations comprising a vanadium compound carried by massive fragments of a microporous silica gel which is obtained by the acidification of alkali metal silicate solutions under conditions which are non-acid to Congo.

2,079,508
OPTICAL REPRODUCING DEVICE
Morris Kaplowitz, Brooklyn, N. Y., assignor to Microphone Corporation of America, Brooklyn, N. Y.
Application September 1, 1934, Serial No. 742,499
19 Claims. (Cl. 88—75)

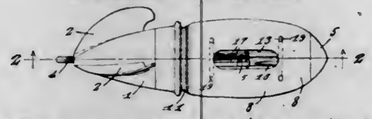


3. In an apparatus of the character described, an observation element consisting of a casing having a top wall formed with a sight opening, a mirror mounted vertically in said casing forwardly of the sight opening, a transparent reflector disposed diagonally in the casing below the sight opening and having its lower end adjacent the lower end of said mirror, and a precision member formed with openings of different sizes and smaller than the sight opening mounted on the casing for shifting movement across the sight opening.

4. A reproducing device comprising a base member, separate brackets pivotally connected

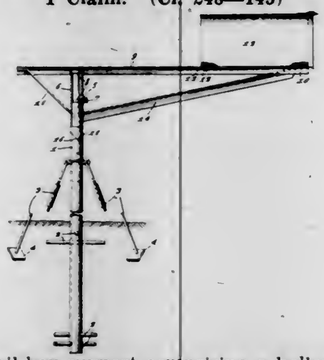
to said base member at spaced points thereon for swinging movement toward and away from each other, an optical observation instrument having as one of its elements a camera lucida carried by one of said brackets and an object holder carried by the other of said brackets.

2,079,509
COMBINATION FISHING LURE
Chauncey B. Kettring, Montezuma, Ohio
Application December 3, 1935, Serial No. 52,721
2 Claims. (Cl. 43—35)



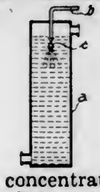
1. A fish lure comprising a body, a conical nose included in said body, a core extending rearwardly therefrom and being substantially hollow, a shell having longitudinal openings arranged therein and mounted for sliding movement on the core, spring pressed hooks pivotally mounted in the core and held concealed by contacting the shell in one position of the latter, and said shell being movable to another position to release the hooks for disposal through the openings, line connecting means for the lure and extending through the nose with the latter mounted for rotation thereon, and vanes secured to the nose.

2,079,510
MAIL BOX SUPPORT
Rupert L. King, Wilmington, and Herman L. Potter, Hookerton, N. C.
Application June 4, 1935, Serial No. 24,936
1 Claim. (Cl. 248—145)



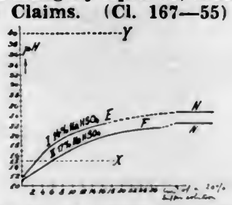
A mail box support comprising a hollow vertically arranged supporting post, a shaft extending into the upper end of the post and secured thereto, spaced shoulders formed on the shaft, a sleeve slidable and journaled on said shaft, with the shoulders located therein, a set bolt secured to said sleeve and adapted to engage the shoulders for limiting the sliding movement of the sleeve on the shaft both towards and from the post, a box carried by and movable with said sleeve, said post having the upper end thereof cut at an angle to form a pair of camming faces merging into each other at the ends thereof and curving in opposite directions, one end of said sleeve being cut at an angle to form a pair of camming faces merging into each other and matching the camming faces of said post, said camming faces of the sleeve and post coacting to maintain the box in a selected position and to permit said box to swing in a path of a complete circle or to swing a part of said path and automatically return the box to said selected position.

2,079,511
PROCESS FOR THE CONCENTRATION OF ACETIC ACID
Max Klar, Frankfort-on-the-Main, and Karl Grunert, Mainz-Mombach, Germany, assignors to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
Application April 20, 1931, Serial No. 531,522
In Germany May 16, 1930
13 Claims. (Cl. 260—122)



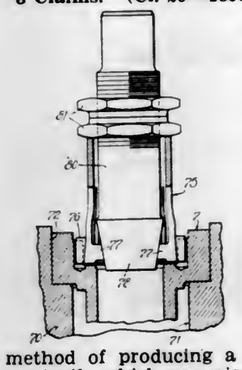
1. Process for the concentration of acetic acid contained in liquid solutions by extraction with a suitable extraction liquid, comprising the steps in combination of introducing the acetic acid solution and the extraction liquid into the upper and lower portions respectively of two superimposed layers consisting of the extraction liquid and the acetic acid solution, the position of the two layers corresponding to the specific gravities of the acetic acid solution and the extraction liquid and being such that the point of introduction of the acetic acid solution is in the extraction liquid layer and the point of introduction of the extraction liquid is in the acetic acid layer, at least one of the liquids being introduced by atomization which in air would yield droplets of a size in the region of 0.11 to 0.08 mm., and maintaining the layers of the extraction liquid and the acetic acid solution free of flow-affecting bodies in the region substantially between the said two points of introduction of the extraction liquid and the acetic acid solution so as to offer as little hindrance as possible to the free flow of the droplets.

2,079,512
REMEDY FOR REGULATING THE DEGREE OF ACIDITY OF THE GASTRIC JUICE
Franz Körösy, Budapest, Hungary
Application March 31, 1934, Serial No. 718,464
In Hungary April 29, 1933
4 Claims. (Cl. 167—55)



1. A remedy for restoring the normal acidity of the stomach consisting of a mixture of compounds of which one at least is selected from a group which possesses a dissociation constant relative to free hydrogen ions from $10^{-1.5}$ to 10^{-4}, while the other one has a smaller dissociation constant and is present in such a proportion that the mixture will yield an aqueous solution which when concentrated has a pH value above 1.5 and when diluted as far as about 0.5% has a pH value below 4.

2,079,513
PROCESS FOR PRODUCING CLUTCH TEETH
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application January 10, 1935, Serial No. 1,197
8 Claims. (Cl. 29—159.2)

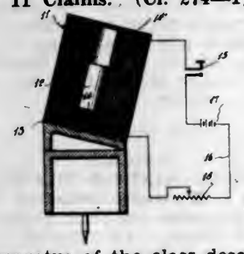


3. The method of producing a member with internal gear teeth, which comprises cutting said internal teeth to approximate size and proportion before the member has been hardened, inserting the teeth of a coining gear in between said internal gear teeth, and then forcibly expanding the toothed portion of said coining gear radially outwardly to simultaneously bring all of said internal gear teeth to the desired form.

2,079,514
METHOD FOR TREATING SEA-OCZE
Wilhelm Leetz, Zerbst, Germany
No Drawing. Application November 21, 1934, Serial No. 754,179. In Denmark August 20, 1934
2 Claims. (Cl. 34—24)

1. A method for the treatment of ooze, seaweed or the like, characterized by the fact that in the interior of closed rooms or containers the ooze is subjected to a draft of air to effect drying, then refrigerating the ooze to freeze particles of water therein, then melting the ooze and again subjecting it to a draft of air, whereby the ooze is caused to disintegrate in small pieces and to assume a substantially pulverized form after evaporation of the remainder of the particles of water by the draft of air has taken place.

2,079,515
TRANSCRIBING APPARATUS
Charles G. Ligh, New Dorp, N. Y., assignor to Electreporter, Inc., a corporation of Delaware
Application December 28, 1935, Serial No. 56,555
11 Claims. (Cl. 274—1)



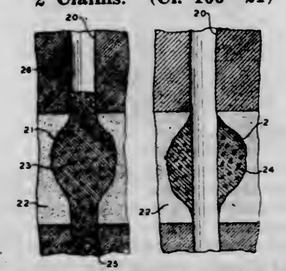
1. In apparatus of the class described having a rotatable disc record provided with a sound groove and movable reproducing means in operative relation to said groove; means operable to jolt said reproducing means out of engagement with the record in a direction upwardly and toward the starting position of the reproducing means so that the reproducing means will engage another portion of the groove for play back.

2,079,516
ALUMINUM ELECTRODE AND METHOD OF PREPARING
Julius Edgar Lilienfeld, Winchester, Mass., assignor, by mesne assignments, to The Magnavox Company, Fort Wayne, Ind., a corporation of Arizona
Application March 1, 1935, Serial No. 8,925
30 Claims. (Cl. 175—315)



1. A method of preparing a filmed aluminum electrode suitable for use in electrolytic condensers and the like, comprising treating an aluminum body with hydrochloric acid having a sufficient temperature with respect to its concentration to cause a violent surface reaction producing a spongy aluminum surface thereon, and subsequently forming on the aluminum a dielectric film having a substantially greater area than is obtainable without the presence of said spongy surface.

2,079,517
METHOD OF SEALING-OFF POROUS FORMATIONS IN WELLS
Horace Lowry McQuiston, Oklahoma City, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 14, 1935, Serial No. 1,776
2 Claims. (Cl. 166—21)

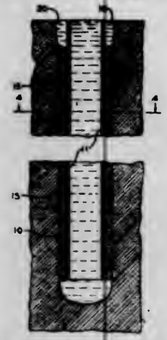


1. The method of filling cavities in the walls of well holes during drilling operations, which comprises filling the cavities with a sealing medium of a setting cement slurry and ground paper admixed in suitable proportions, allowing the cement with the paper contained therein to set, and drilling through any of the sealing medium obstructing the well hole.

2,079,518
METHOD OF SUPPORTING PIPE IN WELL HOLES
Horace Lowry McQuiston, Oklahoma City, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 14, 1935, Serial No. 1,778
3 Claims. (Cl. 166—21)

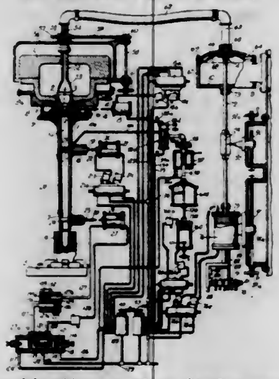
1. The method of supporting a pipe within a

well hole and of preventing the loss of the supporting medium into porous formations while said medium is in the fluid state, which comprises placing a pipe in the well hole, introducing a supporting medium of a setting cement slurry and



ground paper into the top of the pipe, applying pressure to the medium to force it upwardly between the pipe and the wall of the well hole, and allowing the medium to set to form an elastic support for the pipe.

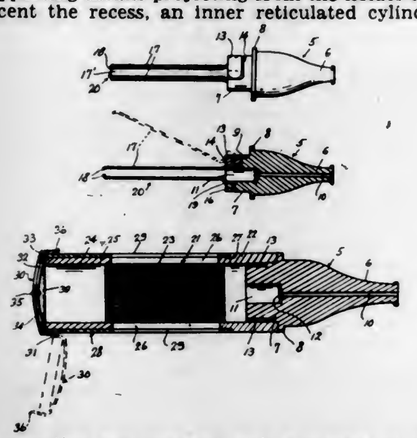
2,079,519
APPARATUS FOR FEEDING MOLTEN GLASS
George T. Meyers, Parkersburg, W. Va.
Application May 7, 1936, Serial No. 78,431
17 Claims. (Cl. 49—55)



1. In combination, a glass feeder comprising a spout for the molten glass having a discharge orifice, a mold disposed a considerable distance below the discharge orifice, means for preventing atmospheric conditions from affecting the glass discharged through said orifice during the time it drops from the orifice to said mold, said means comprising a conduit extending from a point adjacent the orifice to a point adjacent the mold, said conduit being normally closed from the atmosphere, said conduit having a plurality of gates for opening and closing the passageway therein, and means for operating said gates at different intervals.

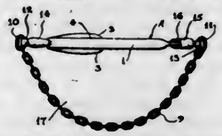
2,079,520
SAFETY CIGARETTE HOLDER
James Mills, Arcola, N. C., assignor of one-half to Arch H. Perry, Arcola, N. C.
Application January 6, 1936, Serial No. 57,808
2 Claims. (Cl. 131—51)

1. A safety cigarette holder of the character described comprising a cigarette holding assembly including a mouthpiece having a recess for receiving one end of a cigarette, a hinged block forming part of the wall of the recess for clamping the cigarette in the recess, a clip releasably securing the block in clamping position, cigarette supporting means projecting from the holder adjacent the recess, an inner reticulated cylinder



surrounding and engaged with a portion of the mouthpiece, an outer perforated cylinder mounted around and rotatable relative to the inner cylinder, openings in each of said cylinders registrable with each other for controlling the access of air into the interior cylinder said outer cylinder overlying said clip to secure the same in position on the block.

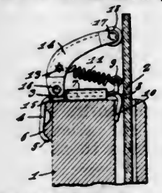
2,079,521
NECKTIE HOLDER
Edwin S. Mix, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application November 22, 1934, Serial No. 754,358
23 Claims. (Cl. 24—49)



1. A necktie holder comprising a clasp including a clasping bar having end portions projecting in alignment longitudinally beyond the clasping portions of the clasp, and a flexible member of greater length than the length of said bar having one end secured to one projecting end of the clasp and having means at the opposite end of the same slidably adjustable on and detachably connected to the other projecting end of the clasp to permit the flexible element throughout its length to hang freely from the clasp when not in use, said means normally holding said detachable end slidably adjustably secured in fixed relation to the bar so that the flexible element may be adjustably draped from the bar across the front of a necktie.

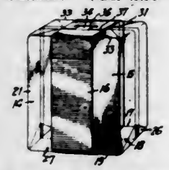
2,079,522
VEHICLE WINDOW SILENCER
Oscar J. Mortensen, Superior, Wis.
Application December 30, 1935, Serial No. 56,768
1 Claim. (Cl. 292—79)

A device for preventing vibration of a panel when moved on a frame, comprising a plate having one end bent at an angle and having its sides rebent to form guideways arranged over the plate and having ears between the guideways and the angle end thereof, a second and slidable plate movable in the guideways and having its outer end formed with angle fingers directed toward the angle end of the first named plate and an op-



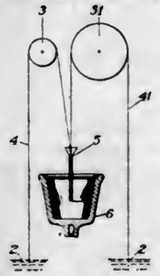
positely directed ear between said fingers, an arcuate arm pivoted to the ears of the first named plate and extending thereover in the direction of the finger and ear carrying end of the second and slidable plate, an anti-friction roller journaled on the free end of the arm and a coiled compression spring connected to the arm and to the ear of the slidable plate.

2,079,523
BAG
George C. Nydegger, Berkeley, Calif.
Application October 1, 1934, Serial No. 746,334
1 Claim. (Cl. 229—53)



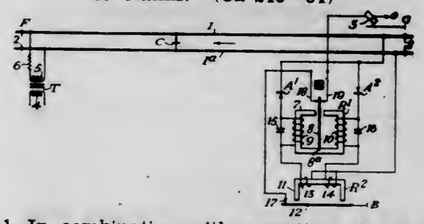
In a bag of the character described, front and back walls of relatively thin paper, a bellows bottom united with said walls, a strip portion of relatively heavy paper overlying and secured on the outer surface of said bellows and designed in one position to fold inwardly, with the bellows between said sides and in another position to be extended to hold said walls in spaced relation, and strip portions on said walls at the upper ends thereof arranged to engage one another when the bag is closed to keep said walls in spaced relation in cooperation with the strip portion in the bellows.

2,079,524
MANUFACTURE OF THREAD
René Picard, Villeurbanne, France, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 28, 1934, Serial No. 713,354
In France March 23, 1933
4 Claims. (Cl. 18—54)



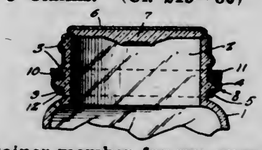
1. The method of manufacturing thread which comprises wet spinning an artificial thread, forming another artificial thread, and passing said threads into a centrifugal spinning bucket while said wet spun thread is still in the gel state in such a manner as to form a continuous filamentary thread having a longer thread looped around the same, and abrading said longer looped thread.

2,079,525
RAILWAY TRACK CIRCUIT APPARATUS
Willard P. Place, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 3, 1933, Serial No. 691,942
16 Claims. (Cl. 246—34)



1. In combination with a section of railway track and a car for travel thereon, a source of alternating current connected across the rails of said section, means on said car for shunting one half of each wave but not the other of such alternating current, and apparatus connected across said rails and selectively responsive to such alternating current and to the pulsating current which remains when said car occupies the section.

2,079,526
MEANS FOR SEALING JARS
Edith Purdum, Cincinnati, Ohio
Application April 22, 1936, Serial No. 75,827
3 Claims. (Cl. 215—80)

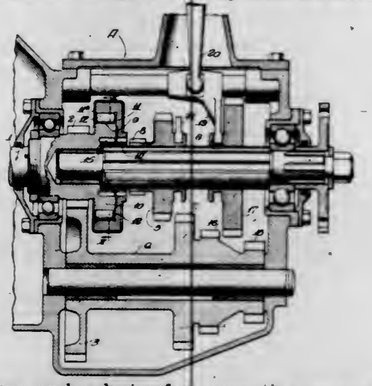


1. A container member for use upon fruit jars provided with a flange surrounding the neck of the jar, said member comprising an annular resilient band adapted to surround said flange and of a width to extend below the flange for reactive engagement with the under surface thereof and to extend above said flange to form in conjunction therewith and with the neck of the jar an annular groove-like pocket for containing a sealing medium.

2,079,527
POWER TRANSMISSION MECHANISM
Carl F. Rauen, Detroit, Mich.
Application September 13, 1930, Serial No. 481,647
37 Claims. (Cl. 192—48)

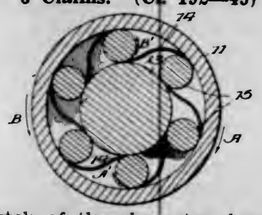
1. In a motor vehicle transmision, a drive member having internal teeth and forming one part of an over-running friction clutch, a driven member having external teeth, the other part of the clutch having internal teeth and being rotatable relative to the first part only in the same direction as that in which the drive member rotates, means for causing the external teeth to engage first with the teeth of the second clutch part to provide for

coasting, and then with the teeth of the first clutch part to set up a two-way drive between the



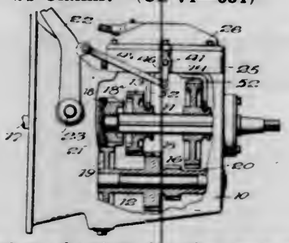
members, and a device for preventing separation of the clutch parts.

2,079,528
CLUTCH
Bayard E. Richardson, Grand Rapids, Mich., assignor to Mechano Gear Shift Company, Grand Rapids, Mich., a corporation of Michigan
Application April 25, 1935, Serial No. 18,222
6 Claims. (Cl. 192—45)



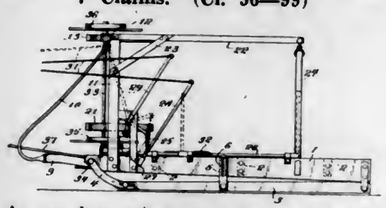
1. A clutch of the character described comprising a cylindrical outer shell, a cylindrical shaft concentrically disposed within the shell, a plurality of cylindrical rollers disposed between the outer shell and the concentric shaft, and normally free to rotate between the two, and diagonally disposed wedge members interposed between the rollers in such manner as to control their direction of rotation with respect to the outer shell and the inner shaft.

2,079,529
CONTROL MECHANISM FOR CHANGE SPEED GEAR TRANSMISSIONS
Bayard E. Richardson, Grand Rapids, Mich., assignor to Mechano Gear Shift Company, Grand Rapids, Mich., a corporation of Michigan
Application May 17, 1935, Serial No. 22,097
24 Claims. (Cl. 74—334)



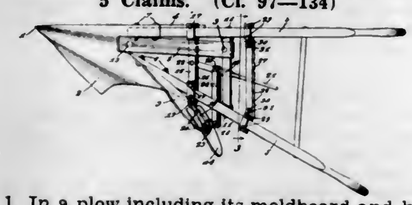
1. Control mechanism for change-speed gear transmissions, comprising relatively spaced slidably mounted neutralizing members, slidably mounted fork-carrying members located between the neutralizing members, yieldable means interposed between and engaging the neutralizing members in such manner as to hold them in normally spaced relation, selective coupling means consisting of longitudinally disposed coupling arms fixedly carried by the respective neutralizing members and complemental coupler elements movably mounted in the respective fork-carrying members at positions to selectively engage said coupler arms, means for yieldably urging said coupler elements to normally disengaged positions, and means for selectively moving said elements in opposition to said yieldable means.

2,079,530
CORN HARVESTER
Gray S. Seward, High Point, N. C.
Application June 9, 1936, Serial No. 84,346
7 Claims. (Cl. 56—99)



1. A corn harvester comprising a frame, runners for said frame, a bed plate secured to said frame, a relatively fixed knife located in advance of said bed plate and carried by the frame for severing corn stalks permitting the severed corn stalks to pass onto the bed plate, means for guiding the corn stalks in engagement with the knife and onto the bed plate and rearwardly of the latter, rotatable feeding elements carried by the frame to be engaged by the corn stalks during the forward movement of the device and acting to move the severed corn stalks rearwardly.

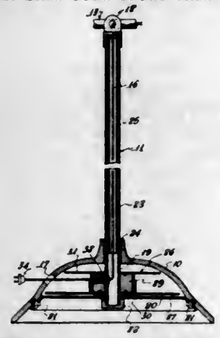
2,079,531
AUXILIARY MOLDBOARD
Greek L. Sharitz, Wytheville, Va.
Application July 27, 1936, Serial No. 92,879
5 Claims. (Cl. 97—134)



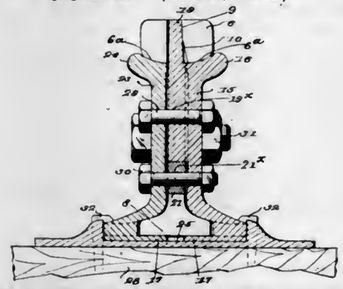
1. In a plow including its moldboard and handle bars, an auxiliary moldboard therefor, pivot means carried by one of the handle bars upon which said auxiliary moldboard is hingedly mounted behind the first mentioned moldboard in overlapping relation thereto and for swinging movement toward and away from the same into different set positions, and means for swinging said auxiliary moldboard into said positions.

2,079,532
ELECTRIC LIGHTING DEVICE
William F. Sheppard, Chicago, Ill.
Application November 11, 1935, Serial No. 49,179
2 Claims. (Cl. 240—81)

1. In an electric lamp, a hollow base having an open upper end, a support member secured to the inside of and extending across said base, a lamp standard supported by said base and having a portion abutting the upper end of said base and another portion extending through said open upper end of said base and said support member and supported by said base and support member for rotation with respect thereto, said standard being hollow and having an electric cord trained therethrough and through openings in said standard and base to a power outlet, and means for paying off said cord from said base or winding said cord within said base as said lamp is moved towards or from said power outlet comprising a reel having an apertured hub mounted on said standard for rotation therewith, the apertured portion of said hub being in alignment with the opening in said standard whereby said cord may be trained therethrough and rotation of said standard in one direction or another will wind cord on or permit cord to be payed from said reel.



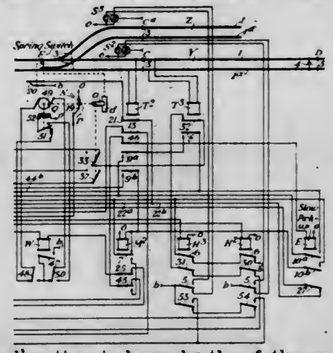
2,079,533
STREAMLINE RAIL JOINT
Merrill Slyder, Philadelphia, Pa.
Application April 9, 1936, Serial No. 73,521
5 Claims. (Cl. 238—219)



1. The combination with a pair of rail ends having registering slots in the webs, said slots extending substantially the full height of the webs, of a fish plate having an integral bridging member adapted to enter the registering slots, means insertable in the slots under the bridging member and substantially filling the slots, and means associated with the rails and fish plate for binding them together.

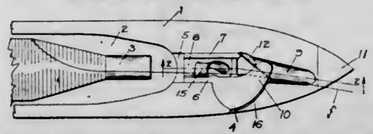
2,079,534
REMOTE CONTROL APPARATUS
Paul P. Stoker, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 7, 1933, Serial No. 650,667
3 Claims. (Cl. 246—3)

2. In combination, a stretch of railway track including a switch, a track circuit including the rails of said stretch and provided with a track relay, a polarized relay, a circuit including a front contact of said track relay for energizing said polarized relay in the normal direction, a circuit for energizing said polarized relay in the



reverse direction independently of the condition of said track relay, and means controlled by said polarized relay for locking or unlocking said switch according as said polarized relay is energized in the normal or the reverse direction.

2,079,535
SHUTTLE FOR LOOMS
William A. Tebo, Anthony, R. I., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application May 1, 1936, Serial No. 77,393
5 Claims. (Cl. 139—220)

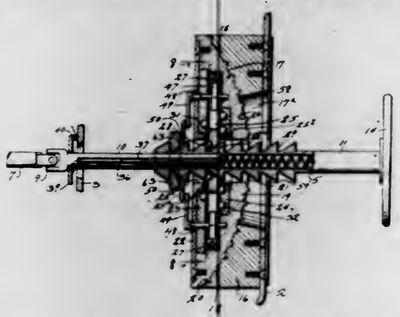


1. An automatically threading loom shuttle comprising a shuttle body having a cavity for receiving a filling carrier, a threading block fixed in a recess in said shuttle body, said shuttle having a thread passage extending longitudinally through said threading block and communicating with said cavity, a filling tension device comprised of an elastic filament stretched across said thread passage above the bottom thereof, and guide means in said threading block for holding the running filling down onto said filament whereby the latter tensions the filling by frictional engagement therewith.

2,079,536
STEERING MECHANISM FOR MOTOR VEHICLES
William G. Thurber, Santa Monica, Calif.
Application June 18, 1936, Serial No. 85,972
18 Claims. (Cl. 74—493)

1. In a steering mechanism for a wheeled vehicle, a steering column comprising a solid shaft and a tubular shaft slidably receiving the solid shaft, a means operatively coupling one end of the solid shaft with the wheels of the vehicle for steering the latter, a hand wheel upon the outer end of the tubular shaft, a plurality of spaced bodies encircling said tubular shaft, a spring member housed in said tubular shaft and normally urging the shafts to separate longitudinally, a yieldable gripping means encircling the tubular shaft and adapted for selective engagement in

the spaces between said bodies, supporting means for said gripping means, said gripping means and supporting means constituting a support for the tubular shaft and facilitating longitudinal ad-



justment of the tubular shaft upon the solid shaft, and means permitting the vertical adjustment of the connected tubular and solid shafts whereby the said hand wheel may be raised or lowered.

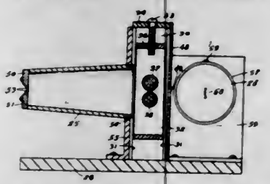
2,079,537

PHOTOELECTRIC SOUND APPARATUS

Henry G. Weiss, Cincinnati, Ohio

Application April 23, 1934, Serial No. 721,975

10 Claims. (Cl. 179—100.3)



1. An apparatus for reproducing speech, music or the like sounds from vibrations recorded on a film, which apparatus comprises a photo-electric cell, means for imparting to the film a rapid linear movement past said cell, an exciter lamp and prism means for condensing the rays from said lamp and for initially projecting the condensed rays in line formation, means near the film for finally determining the dimensions of the condensed light projection prior to passage thereof through the film and onto the photo-electric cell, means enclosing the exciter lamp to preclude passage of stray light rays to said cell, and means intermediate the exciter lamp and the prism means for intercepting some of the lamp rays and directing others to a predetermined area of the prism means.

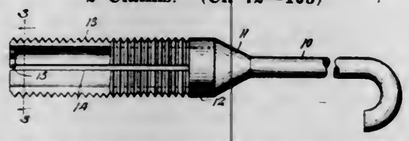
2,079,538

ANCHOR BOLT

Harold R. Wheeler and George W. Dress, Harrisburg, Pa.

Application August 14, 1936, Serial No. 96,088

2 Claims. (Cl. 72—105)



1. An anchor bolt comprising a pair of parallel hooks having their inner ends flared, a sleeve open at one end and formed integral at the open end with the flared ends of the hooks, a lug projecting radially from the sleeve across the bore of, and a plurality of deformable slugs in the bore of the sleeve in advance of said lug and held in the bore by the lug, there being longitudinal slots in the sleeve adapted to permit the portions of the sleeve between the slots being expanded radially when said slugs are deformed, the hooks being spaced apart sufficiently to permit insertion of a hammering tool in the bore of the sleeve for deforming the slugs.

2,079,539

CENTRIFUGAL SWITCH

Robert A. White, William Noble and Nicholas Tumbry, East Chicago, Ind.

Application November 11, 1935, Serial No. 49,270

2 Claims. (Cl. 200—80)



2. In a signal system for designating a change of speed in motor vehicles, a control switch comprising a casing, a shaft therein adapted to be driven by the speedometer chain or differential of the motor vehicle, a pair of outer discs and an intermediate disc fixed to the shaft and insulated therefrom, circuit closers carried by the outer discs at different distances from the shaft, brushes on the casing for conducting circuit wires through the casing to the discs, spring controlled arcuate governor weights pivoted on one side of the intermediate disc at diametrically opposite points on the disc, switch contacts carried by the weighted ends of the governor weights and projecting through the discs to be intercepted by the switch contacts carried by the outer discs at predetermined speed limits of the motor vehicle, there being notches formed in the ends of the weights opposite the weighted ends, lugs on the intermediate disc, pins pivoted in the lugs and having collars thereon, and springs surrounding the pins between the lugs and the collars and normally holding the pins in said notches, said pins being moved past center with a snap by their controlling springs to shift the associated governor weights quickly to engage the switch contacts thereof with the switch contacts carried by the discs.

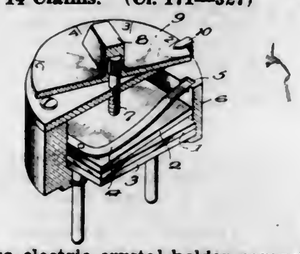
2,079,540

PIEZOELECTRIC CRYSTAL APPARATUS

John M. Wolfskill, Erie, Pa.

Application August 28, 1936, Serial No. 98,431

14 Claims. (Cl. 171—327)



1. A piezo-electric crystal holder comprising a body of insulation material for housing a crystal element, a pair of electrodes one above and one below the crystal element, means for moving said electrode above said crystal element angularly with respect to the upper face of said crystal element, said means including a resilient member engaging said upper electrode and said body and exerting pressure tending to increase the angle between said upper electrode and the upper surface of said crystal element, and a rotatable and adjustable member engaging said upper electrode for increasing or decreasing the angle between said crystal element and said upper electrode.

2,079,541

N-CHLOROSULPHONYLAMIDES AND METHOD FOR THEIR PREPARATION

Martin Battegay, Mulhouse, France, assignor to The Calco Chemical Co., Inc., Bound Brook, N. J., a corporation of Delaware

No Drawing. Application July 28, 1932, Serial No. 625,533. In France July 28, 1931

11 Claims. (Cl. 260—158)

1. Sulphonylamides of the formula:

$$X-N-A$$
$$|$$
$$Y$$

in which A is hydrogen, alkyl or aryl, Y is a monoamino or halogen substituted sulphonic acid, and X is hydrogen or an acidyl group, and in which X is hydrogen and A is alkyl or aryl when Y is amino.

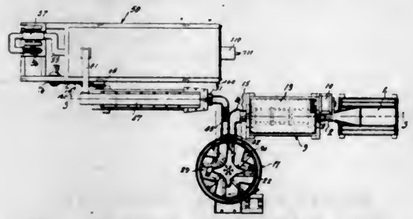
2,079,542

METHOD AND APPARATUS FOR PREPARING FRUIT JUICES

Louis E. Bauer and Harold F. Peavey, Springfield, Mass., assignors to Citrus Products Equipment Company, a corporation of Massachusetts

Application December 15, 1932, Serial No. 647,464

14 Claims. (Cl. 99—155)



1. The method of preparing fruit juices which comprises sterilizing the surface of the fruit, extracting the juice from the fruit without substantial resistance to the flow of juice from the skins, the fruit being maintained in its sterilized condition during its passage from the point of sterilization to the extracting means and throughout the extracting operation, so that the juice is obtained in its natural sterile and uncontaminated condition, transferring the resulting sterile but unsterilized juice under aseptic conditions to a sterilized container and immediately closing the container.

8. Mechanism for preparing fruit juices which comprises a housing, means within the housing for extracting the juice from the fruit, said housing being provided with an opening through which the fruit may pass to the extracting means, sterilizing means positioned in said opening adapted to sterilize the surface of the fruit as it enters the housing and means to conduct sterile air into the housing under sufficient pressure to maintain an outward flow of air through all otherwise unguarded openings in the housing.

2,079,543

CONTINUOUS PROCESS OF PRODUCING CARBON BISULPHIDE

Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application February 25, 1935, Serial No. 8,203

11 Claims. (Cl. 23—206)

5. In the process of producing carbon bisulphide, the step comprising causing a substance of the group consisting of sulphur and sulphur dioxide to react upon a waste rayon of cellulosic origin at a temperature of about 700 to 1000° C. in the presence of a large amount of an inert, heat-retaining substance of the group consisting of metal oxides, metal silicates and metal chromates, said substance being infusible at said temperatures.

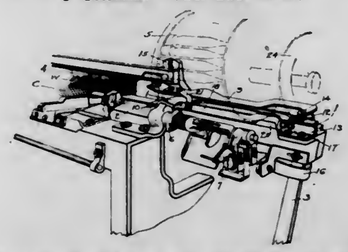
2,079,544

LOOM

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application December 14, 1936, Serial No. 115,753

5 Claims. (Cl. 139—257)



1. A shuttle box for the replenishing side of a bobbin changing loom, said shuttle box comprising a back box plate having a top guard plate, a front box plate the top edge of which is spaced from the front edge of said top plate, and a rigid supporting member extending from said top plate forwardly and downwardly in front of the inner end of said front box plate, said inner end of said front box plate being biased rearwardly away from said member to provide a path for the exit of an incoming filling end and being movable forwardly into engagement with said member by an incoming shuttle, whereby said member supports said front box plate and limits forward movement thereof.

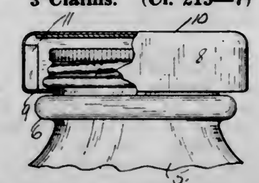
2,079,545

BOTTLE SEAL

John D. Bugh, San Diego, Calif.

Application July 2, 1936, Serial No. 88,663

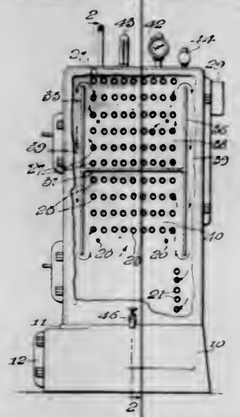
3 Claims. (Cl. 215—7)



3. In a device of the character described, the combination with a receptacle having a bead adjacent its upper extremity and having a screw threaded cover thereon, of a cap enclosing said cover, said cap having inturned flanges positioned between said cover and said bead, said

flanges normally positioning the top of said cap in spaced relation to said cover, said flanges being bendable when said cap is moved downwardly against said cover and through contacting said flanges with said bead, and a marker pin positioned in said cap and adapted to engage a portion of said receptacle to leave an indicating mark thereon.

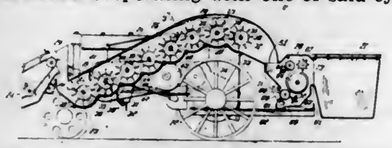
2,079,546
STEAM AND HOT WATER BOILER
Dawson Conekin, Philadelphia, Pa.
Application June 24, 1936, Serial No. 87,085
5 Claims. (Cl. 122—264)



1. A steam and water boiler consisting of a rectangular body having its top, bottom, front and rear walls extending uniformly beyond the side walls thereof, side plates fixed to the extending portions of the first-mentioned walls to form side spaces between said plates and the side walls, vertical partitions partially along one side wall in the respective side space forming vertical channels between the same and the front and rear walls, a horizontal partition dividing the space between said vertical partitions, a horizontal partition dividing the other side space into an upper receiving compartment and a lower outlet compartment, outlet pipes leading from the latter compartment, return pipes leading from the receiving compartment, a series of water tubes extending between the side walls and opening at their ends into the said side spaces above the horizontal partitions, and a series of water tubes extending between the side walls and opening at their ends between said side spaces below the horizontal partitions, the said channels forming circulating waterways between those portions of the respective side space above and below the horizontal partition thereof.

2,079,547
HARVESTER
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 16, 1931, Serial No. 530,452
6 Claims. (Cl. 19—37)

6. In a cleaner of the class described, a housing having a restricted opening for receiving material comprising cotton and refuse, a cotton discharge opening and a refuse discharge opening, a cotton conveying cylinder arranged in said housing with one end adjacent to said restricted opening and the other end remote therefrom, means for removing cotton from said conveying cylinder and for discharging the removed cotton through said discharge opening, a second cotton conveying cylinder positioned in proximity to said refuse discharge opening, means for removing refuse from said second cotton conveying cylinder, means for removing cotton from said second cotton conveying cylinder and discharging the removed cotton against said first cotton conveying cylinder, and spiral means cooperating with one of said cylin-

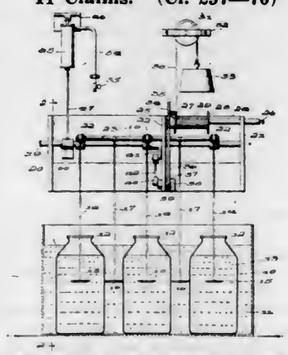


ders for moving at least a part of the conveyed material laterally along said one cylinder and away from the path of movement of the incoming material entering through said restricted opening, said spiral means serving to move the cotton to be acted upon by different portions of said cylinders and returning a portion of said material to the receiving portion of said housing to be partially reconveyed and reacted upon by different sections of said cylinders.

2,079,548
COLLOIDIZED PIGMENTS OF BASIC DYES
Moses L. Crossley, Plainfield, Roy H. Kienle, Bound Brook, and George L. Royer, Somerville, N. J., assignors to The Calco Chemical Co., Inc., Bound Brook, N. J., a corporation of Delaware
No Drawing. Application February 1, 1935, Serial No. 4,518
18 Claims. (Cl. 134—58.5)

1. A dispersible pigment powder containing as a major coloring compound a pigment lake produced by the reaction of a basic dye with a complex acid included in the group consisting of phosphotungstic, phosphomolybdic, phosphotungstomolybdic, silicotungstic, silicomolybdic, silicotungstomolybdic, a sufficient proportion of the individual pigment particles being individually coated with a hydrophyllic "protective agent" so that the pigment powder as a whole possesses an "autodispersibility" of not less than 75%.

2,079,549
LIQUID COOLING APPARATUS
Henry J. De Cremer, Green Bay, Wis.
Application August 31, 1934, Serial No. 742,329
11 Claims. (Cl. 257—76)



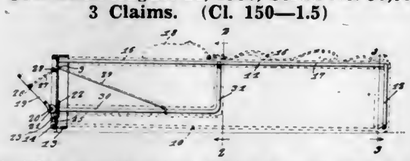
1. A liquid cooling apparatus comprising a tank for holding a cooling medium and adapted to receive receptacles containing the liquid to be cooled, reciprocating agitating members mounted to project into the various receptacles to agitate the liquid to be cooled, and additional agitating members mounted to operate in the tank to agitate the cooling medium, the various agitating members being arranged in sets, and actuating means for the agitators operating to impart a greater agitational movement to one set of members than to the other set.

2,079,550
TOY
George L. De Mott, Washington, D. C.
Application October 12, 1935, Serial No. 44,796
4 Claims. (Cl. 46—157)



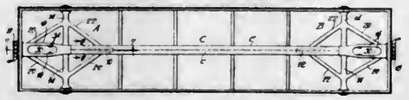
1. A figure toy comprising a body portion having a cooperating portion attached thereto by a permanently tacky pressure sensitive adhesive, said cooperating portion being adapted for repeated attachment to and removal from said body portion.

2,079,551
GOLF BAG ATTACHMENT
Morris M. Eicholtz, Athol, S. Dak.
Application August 14, 1936, Serial No. 96,092
3 Claims. (Cl. 150—1.5)



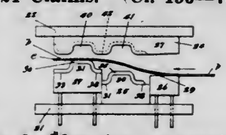
1. The combination with a golf bag, of a pedal, a fulcrum, means common to the pedal and to the fulcrum for swivelly mounting the pedal and fulcrum on the bottom of the golf bag, means on said bag bottom for positioning the fulcrum to project laterally beyond the bag bottom, and a flexible connector securing the pedal to the bag bottom and permitting the pedal to extend in operative position at approximately a 45 degree angle to the bag bottom, whereby foot pressure on the pedal will rock the bag on the fulcrum to an upwardly inclined position from the horizontal.

2,079,552
CAR UNDERFRAME
John D. Fenstermacher, Piedmont, and Bowater B. Sumner, Burlingame, Calif.
Application July 17, 1935, Serial No. 31,922
6 Claims. (Cl. 105—414)



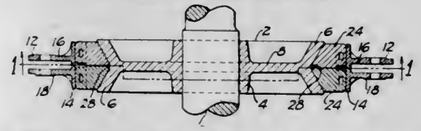
1. A railway car underframe comprising cast metal one piece end frames each with integral outwardly extending draft arms and integral inwardly extending attaching arms and transversely extending bolster portions, the draft arms and attaching arms being of substantially the same length as measured from the transverse center line of the bolster portion, said attaching arms having elongated narrow slotted seats, and a rolled metal flanged structural member whose extremities abut said frames, said member forming the center sill of the underframe and having a web coincident with the longitudinal center line of the underframe in plan and secured in the slotted seats of said attaching arms each of said end frames including a plurality of pairs of diagonally disposed integral braces joining the outer extremities of the bolster portions with said draft arms and attaching arms.

2,079,553
POWER PRESS
Alexander W. Fraser, Hamilton, Ontario, Canada, assignor to National Steel Car Corporation, Limited, Hamilton, Ontario, Canada, a corporation of Canada
Application March 14, 1935, Serial No. 10,975
21 Claims. (Cl. 153—76)



1. A press for forming corrugations in sheet metal including a supporting bed, means forming a relatively fixed lower die comprising three parallel strips in edge to edge side abutting relation, the middle strip being immovably fixed to the bed and the two outside strips constituting floating pads connected to move in unison and normally supported resiliently in spaced relation above the bed and adapted to be lowered against the resistance of their resilient supports into stopped engagement with the bed, the middle strip and one of the outside pads each having its upper die surface fashioned to provide a die for forming a single corrugation and said fixed die and said floating die coacting when the die forming pad is in its lowered position to form in outline two identical forms of corrugations with an intervening trough therebetween, the top of the other floating pad being flat and polished and constituting a jaw of a work holding clamp, and a movable upper die having a part of its die forming under surface fashioned to provide the negative of the contour of the said two corrugations and intervening trough and another part of its undersurface flat and constituting the coacting jaw of the holding clamp.

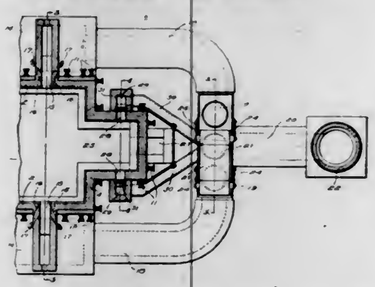
2,079,554
DRUM BRAKE
William C. Hedgcock, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 2, 1935, Serial No. 52,454
19 Claims. (Cl. 188—58)



1. The combination of a brake drum having a V-shaped periphery, brake heads disposed at opposite sides of said drum, and a pair of shoes mounted on each of said brake heads, each of said brake shoes having lateral engagement with

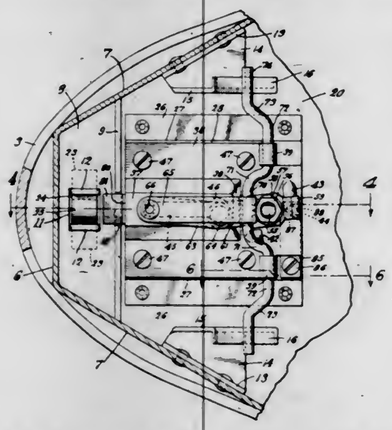
an associated brake shoe and having a diagonal face engagement with one side of said V-shaped periphery.

2,079,555
METHOD OF AND APPARATUS FOR MAKING GLASS
George E. Howard, Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application November 23, 1935, Serial No. 51,253
8 Claims. (Cl. 49—54)



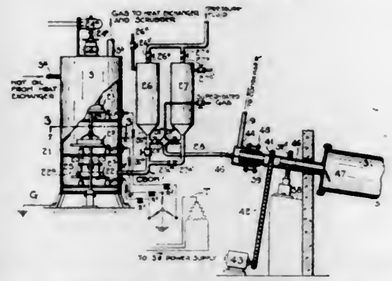
3. Apparatus for making glass, comprising a tank for containing a bath of molten glass, means for supplying heat to said tank by combustion in such manner that the products of combustion will traverse the tank in a predetermined path, means for supplying glass making materials to a zone of said tank out of said predetermined path, and means for diverting a portion of the products of combustion from the stream flowing in said path and thereafter across said zone and for withdrawing such diverted gases from the tank through a path separate and distinct from the path of withdrawal of the main body of gases from the tank.

2,079,556
HOOD CLOSURE SECURING MEANS
Dibrell P. Hynes, Evanston, Ill., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application August 13, 1936, Serial No. 95,808
6 Claims. (Cl. 292—5)



1. In a latching device, a base, a rock shaft rotatably mounted on said base, a handle rotatably mounted on said base, a crank associated with the inner end of said handle, a link pivoted to said crank, a link pivoted to said rock shaft, a pivotal connection between the outer ends of said links, means for guiding the movement of said pivotal connection, in response to rotation of said handle, in a predetermined path, an additional locking member mounted on said base, and a connection between said locking member and the pivotal connection between said links.

2,079,557
APPARATUS FOR PRODUCING CARBON-BLACK
John J. Jakosky, Los Angeles, Calif., and Victor F. Hanson, Niagara Falls, N. Y., assignors to Electroblacks, Inc., Culver City, Calif., a corporation of Nevada
Original application March 31, 1933, Serial No. 663,790. Divided and this application October 17, 1935, Serial No. 45,451
15 Claims. (Cl. 204—31)



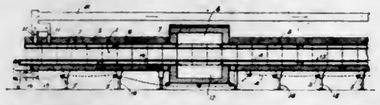
1. An apparatus for producing carbon-black comprising: an inclosed dissociation chamber; means for supplying liquid to said dissociation chamber and for maintaining a superatmospheric pressure therein; electrode means within said chamber for creating an electric arc to heat said liquid and cause dissociation thereof; an enclosed drying chamber; conduit means leading from said dissociation chamber to said drying chamber; means for heating material within said drying chamber, said heating means being adapted to heat liquid material entering said drying chamber substantially at the point of entrance so as to cause rapid evaporation of said liquid material, means for removing vapors from said drying chamber and for maintaining a condition of reduced pressure therein with respect to the pressure in said dissociation chamber; and means for removing solid material from said drying chamber.

2,079,558
EXPLOSIVE
Milton F. Lindsley, Jr., Kings Mills, Ohio, assignor to The King Powder Company, Kings Mills, Ohio, a corporation of Ohio
No Drawing. Application January 26, 1935, Serial No. 3,644
9 Claims. (Cl. 52—17)

1. An explosive suitable for blasting, said explosive comprising, ammonium nitrate, oxidizing agents, sulphur, and tar char.

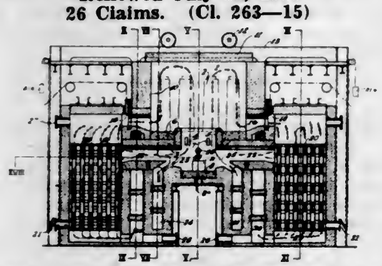
8. The method of rendering an ammonium nitrate explosive more suitable for blasting purposes, said method, comprising, incorporating in said ammonium nitrate explosive a quantity of tar char adapted to serve as a fuel, binding agent, and moisture repellant.

2,079,559
GLASSWARE LEHR CONSTRUCTION
Donald G. Merrill, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application February 5, 1936, Serial No. 62,453
5 Claims. (Cl. 49—47)



1. Apparatus for annealing glassware, comprising an elongate tunnel, structural supporting members therefor, a firebox for supplying heat for said tunnel, and resilient means for removably supporting said firebox from said structural supporting members, whereby to accommodate expansion and contraction of the firebox upon the heating or cooling thereof during the operation of the annealing apparatus.

2,079,560
RECUPERATIVE SOAKING PIT FURNACE
William A. Morton and Howard F. Spencer, Pittsburgh, Pa., assignors to Amco, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 14, 1934, Serial No. 711,166
Renewed July 23, 1936
26 Claims. (Cl. 263—15)

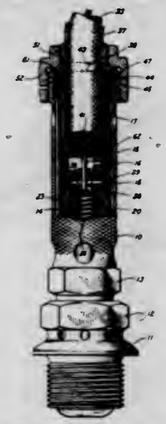


1. The method of heating steel ingots in a soaking pit furnace which comprises, standing the ingots spaced from the vertical walls of the furnace to form a combustion chamber of substantial width between the ingots, introducing a heating medium from the bottom of the chamber at substantially the center thereof, causing said heat to flow in a vertical path to the top of the chamber and subsequently causing the said heat to return in a path substantially parallel to the first named path to the bottom of the chamber.

7. In a pit furnace embodying in combination a heating chamber, a recuperator structure, a fuel mixing chamber, waste gas passages for directing the products of combustion from the furnace chamber to the recuperator structure, passages for directing the preheated air to the combustion chamber, means for burning richer or leaner fuels separately or in combination comprising a by-pass for the gas passages around the recuperator structure with regulable means controlling the volume of the gases flowing therethrough, and conduit means adapted to extend through said by-pass for directing the leaner fuel gases to the fuel mixing chamber.

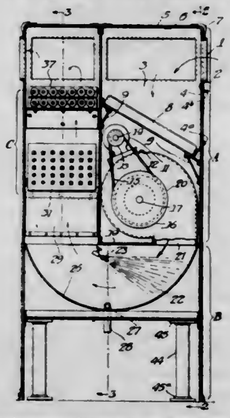
2,079,561
SPARK PLUG
Edward B. Nowosielski, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application January 6, 1936, Serial No. 57,810
3 Claims. (Cl. 123—169)

1. An ignition shielding structure including a body assembled in a manner to provide a socket for the insertion of an insulated high-tension cable, a metal conduit surrounding the cable and having a metal fitting at its end for detachable engagement with the body, a spacer tube of insulating material within the socket portion of the body, but mechanically free of the insulated



cable so that the latter may be withdrawn without disturbing the spacer tube, means adjacent said fitting to hold said cable and spacer tube in position, and a mica lining for the outer wall of the body, said mica lining being protected at its outer edge by the overlying flanged end of the spacer tube.

2,079,562
AIR CONDITIONING UNIT
Charles A. Olson, John P. Magos, and Malcolm W. McRae, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application March 26, 1934, Serial No. 717,342
2 Claims. (Cl. 257—9)



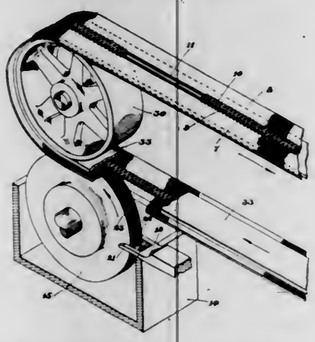
1. In an air conditioning apparatus provided with inlets leading to a substantially vertical downwardly extending passage, air propulsion and filter means within said passage, the latter passage being superposed above and leading into a humidifying chamber, the latter being adapted for connection with a normally independent heating medium provided with circulatory ducts for the distribution of the conditioned air, and provided with cooling means adjacent to said connection.

2,079,563

METHOD AND APPARATUS FOR COATING SLIDE FASTENERS

William J. Reuter, Meadville, Pa., assignor to Hookless Fastener Company, a corporation of Pennsylvania

Application November 27, 1934, Serial No. 755,007
Renewed October 8, 1936
8 Claims. (Cl. 91—51)



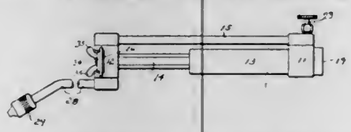
7. Apparatus for treating slide fastener strips of the kind comprising fabric tapes, interlock members attached to the opposite edges of said tapes, said interlock members being interengaged to form a strip of uniform width, comprising a cylindrical roller, means for applying to the cylindrical surface of said roller a film whose width is equal to the approximate width of said interlock members, means for guiding a continuous fastener strip tangent to said roller with the exposed surfaces of said interlock members in contact with said film, and means for keeping said tapes out of contact with said film.

2,079,564

SPRAYING DEVICE

William A. Roehm, Lynbrook, N. Y., assignor to Andrew J. Noe and Henry Lerch, Jr., both of Richmond Hill, N. Y.

Application March 20, 1936, Serial No. 69,774
6 Claims. (Cl. 299—85)



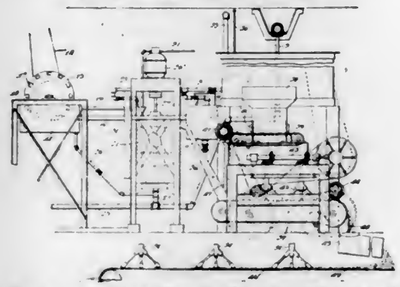
1. A spraying device of the class described comprising a rear header having means for connecting it to a source of water supply, a front header, a stepped cylinder connected between said headers and having its large end connected to the rear header and its small end to the front header, a piston operatively engaged in the large end of the cylinder and extending into the small end thereof, a screen secured over the end of the small cylinder, a soluble cartridge contained in the small cylinder and adapted to be pressed against the screen by water pressure exerted against the piston, a by-pass leading from the rear header to the front header for carrying water over the screen to dissolve and mix with the part of the cartridge exposed through said screen as the cartridge is fed forward by the action of the piston, and a nozzle for discharging the solution from the device.

2,079,565

MACHINE FOR MIXING PLASTIC MATERIAL

Carlisle K. Roos, Wheaton, Ill., and Murrell G. Allison, Southard, Okla., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application June 8, 1925, Serial No. 35,527
Renewed February 18, 1931
19 Claims. (Cl. 83—73)



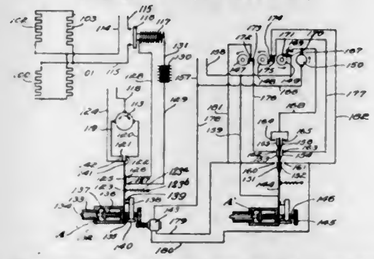
1. In a machine for making a fine grained aggregate of bubbles for plastic building materials comprising a solution tank, a feeding tank and a foam generator cell combined with a passage from the solution tank to the feeder tank and positive means for supplying the solution from the feeder tank in constant regular quantities to the generator cell.

2,079,566

METHOD OF AND APPARATUS FOR CONTROLLING TEMPERATURE

Harold A. Wadman, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Original application April 5, 1930, Serial No. 441,793. Divided and this application August 13, 1932, Serial No. 628,713
6 Claims. (Cl. 236—15)



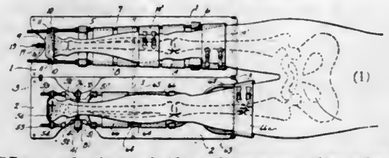
1. The method of regulating the temperature of continuously moving material and bringing it to a predetermined temperature, comprising the steps of causing the material to move along an enclosed path, regulating the temperature in a zone in said enclosed path in response to variations in the temperature at a point subject both to the temperature regulated and the temperature of the material from a range of temperatures, similarly and intermittently varying the position of both limits of said range in the temperature scale in response to relatively small variations in the temperature of the material from a predetermined temperature range at a point in its path beyond said zone, and similarly and continuously varying both limits of the first-named range in response to relatively larger variations in the temperature of the material at the last-named point from the last-named predetermined temperature range.

2,079,567

FRACTURE REDUCING TABLE

Roger Anderson, Seattle, Wash., assignor to The Tower Company, Seattle, Wash., a corporation of Washington

Application August 22, 1932, Serial No. 629,926
5 Claims. (Cl. 128—85)



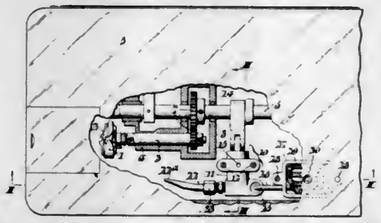
3. In a device of the character described, a base section, a well leg supporting frame mounted thereon and comprising spaced apart yokes, a pair of bars supported by the arms on the yokes in spaced relation to receive the leg between them, leg supporting and retaining means extended between the bars, a foot rest adjustable along the bars, means for tilting the foot rest to different positions, a threaded shaft rotatably mounted in the base member, a nut threaded on the shaft and connected with the frame and means for rotating the shaft to shift the frame lengthwise on the base.

2,079,568

LOCK STITCH SEWING MACHINE

Norman V. Christensen, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application December 20, 1934, Serial No. 758,432
6 Claims. (Cl. 112—256)



1. In a lock stitch sewing machine, a centrally-open rotary hook and a stationary bobbin case holder frictionally engaged by the rotary hook, means for cooling the rotary hook and keeping it clean of lint and dirt, including a reciprocating air pump with an air inlet and an air outlet, and a nozzle connected to the pump outlet whereby the air compressed by the pump is directed partly into the interior and partly onto the exterior of the hook; and lubricant dispensing means associated with the pump whereby a sufficient quantity of oil is carried along with the air entering the pump inlet to lubricate the interengaged parts of the bobbin case holder and the rotary hook.

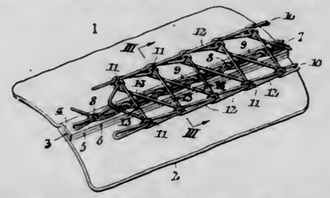
2,079,569

PRODUCTION OF SEAMS FOR KNIT GOODS

Norman V. Christensen, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application January 15, 1935, Serial No. 1,885
Renewed December 5, 1935
5 Claims. (Cl. 112—262)

1. The method of uniting knit fabric sections which consists in placing such sections in juxtaposition with upstanding edges abutted; trimming the upstanding edges and deflecting and trimmings; folding both trimmed edges down flat upon one of the sections with production of a three thickness overlap; uniting these three thicknesses before any displacement occurs by a line of stitching which completely penetrates all three thicknesses, and by a simultaneous operation imposing a covering thereupon comprising two lines of stitching united by covering threads, one line of said covering stitching passing



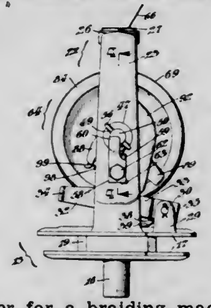
through each single thickness of fabric close to the edge of the overlap, the needle thread entering the fabric from beneath while a covering thread is crossed from one side to the other to cover the freshly trimmed edges of the fabric, whereby any lateral strain tending to pull the fabric sections apart is resisted simultaneously and collectively by both the central line of stitching and the covering stitching.

2,079,570

BRAIDING CARRIER

Henry Janssen, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application September 12, 1934, Serial No. 743,683
21 Claims. (Cl. 96—13)



1. A carrier for a braiding machine and the like, comprising a standard, and a structure mounted on the standard including a spool portion for rotatably holding a coiled strand, and a spring for operation between the standard and said spool portion to bias the latter in strand-winding direction thereon toward an initial position.

2,079,571

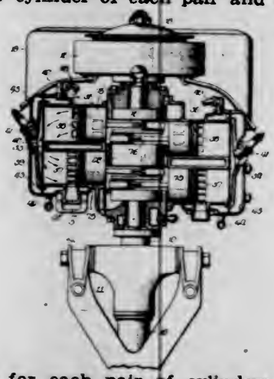
UNIFLOW GAS ENGINE

Harry L. Johnson, Waukegan, Ill., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill., a corporation of Indiana

Application April 13, 1936, Serial No. 74,227
15 Claims. (Cl. 123—53)

12. In a combustion engine having a closed crank case, a vertical crank shaft rotatable therein, valves carried by the crank shaft for controlling the admission of gas and air at the top and bottom of the crank case, a plurality of pairs of opposed double cylinders secured to the crank case and having pistons connected to the crank shaft and movable in unison in each opposite pair of cylinders, means forming a transfer

passage for fuel from the crank case to the upper cylinder of each pair, an exhaust connection with the lower cylinder of each pair and a common



flat head for each pair of cylinders having a passage between the cylinders and a spark plug in the passage between the cylinders.

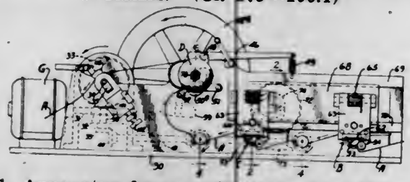
2,079,572

METHOD OF AND APPARATUS FOR RECORDING SOUND ON THE EDGE OF FILM

John Ripley Kiel, Chicago, Ill., assignor to Ripley Corporation, Chicago, Ill., a corporation of Illinois

Application January 3, 1933, Serial No. 649,865

5 Claims. (Cl. 179—100.4)



1. Apparatus for recording sound on the edge of a motion picture film comprising a pair of rolls between which the film is passed, means for pressing the rolls together to firmly grip the film, means for supporting one edge of the film, and a vibratory recording tool adapted to engage the opposite edge of the film at the point where it is gripped, said opposite edge slightly overhanging the ends of the rolls.

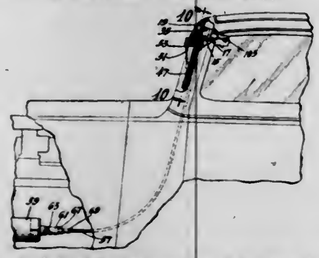
2,079,573

MECHANICAL WINDSHIELD WIPER

Carleton J. Lauer, Flint, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 21, 1933, Serial No. 681,501

20 Claims. (Cl. 15—255)



1. In windshield cleaner mechanism for vehicles, a movable cleaner, mechanically driven means for operating said cleaner between predetermined limiting positions and other mechanism selectively engageable with said driven means to move said cleaner to a position beyond its normal range of movement.

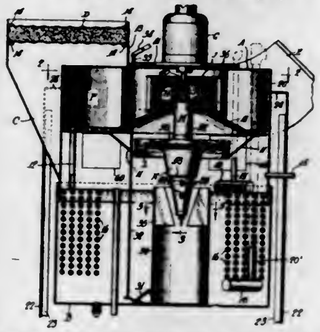
2,079,574

AIR CONDITIONING APPARATUS

Edward S. Lea, Morrisville, Pa., assignor, by mesne assignments, to George Von Seebeck, New York, N. Y., trustee

Application December 4, 1934, Serial No. 755,916

11 Claims. (Cl. 261—91)



1. An air conditioning apparatus including an open-bottomed casing, a water receiving tank constituting a displaceable bottom for said casing, said casing having an air inlet and an air outlet therein, fan means within the casing for inducing flow of air from the inlet to the outlet, air spraying means in the casing drawing water from the tank, coils in the tank for regulating the temperature of the water, means suspending said coils from the casing and means permitting lowering said tank with respect to the casing to thereby expose the coils.

2,079,575

STRUCTURAL JOINT

Albert J. Matter, Park Ridge, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois

Application May 6, 1935, Serial No. 19,953

15 Claims. (Cl. 304—5)



1. A metal joint member having a receiving trough with inwardly turned gripper edges applicable longitudinally to groove the opposite sides of a beam, a median web below the trough with opposite side portions to engage supports at an angle to the trough, the web having a large opening therein for a fastening bolt inserted also through the ends of such supports for clamping them against the side portions.

2,079,576

VENTILATOR

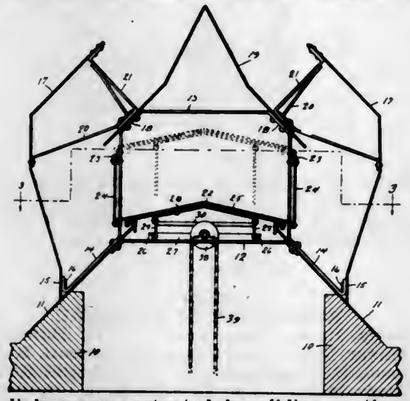
James H. McDerment, Cleveland, Ohio, assignor to The Swartwout Company, Cleveland, Ohio, a corporation of Ohio

Application May 18, 1936, Serial No. 80,248

8 Claims. (Cl. 98—42)

1. In a ventilator, in combination with means defining an opening to be closed, a damper, and

means for controlling the motion thereof, said last means comprising a parallelogram guide means, a reciprocable element movably mounted for motion longitudinally of said damper, tog-



gle link means actuated by sliding motion of said reciprocable element for moving said damper to and from closed position, screw means for operating said toggle link means and remote control means for operating said screw means.

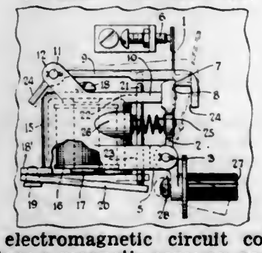
2,079,577

HEATING UNIT CIRCUIT BREAKER

Robert J. Parsons, Schenectady, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York

Application August 21, 1934, Serial No. 740,737

1 Claim. (Cl. 200—106)



In an electromagnetic circuit controller, in combination: a magnetic core; an energizing coil surrounding said core; a coil housing formed of magnetic material around said coil and magnetically attached to said core at one end and terminating adjacent the other end of said core; an armature oscillatably attached at one end to said housing; a latch rod adapted and positioned to be moved longitudinally by said armature whereby when said armature is attracted to said pole the latch rod will be moved longitudinally; a latch pivotally mounted and lying within the path of said latch rod whereby when the latch rod is moved longitudinally in one direction the latch is tripped; a biased pivoted lever cooperating with said latch and latched in position thereby against its bias whereby when the latch is tripped the lever tends to assume its biased position; a limiting shoulder on said latch for cooperating with said lever to prevent it from moving unduly in response to its bias; a conducting contact; a conducting arm attached to said lever and positioned when the lever is in latched position to cooperate with said contact to form part of a circuit; means to prevent undue movement of the latch; and means for manually returning the lever to latching position.

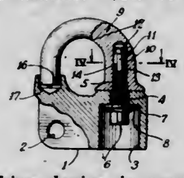
2,079,578

PADLOCK

Benjamin Schlesinger, Flushing, and Oscar M. Martin, Albany, N. Y., assignors to Railroad Accessories Corporation, New York, N. Y., a corporation of New York

Application September 7, 1934, Serial No. 743,028

4 Claims. (Cl. 70—38)



1. In a locking device, in combination: a base member formed with a bore connecting with a cavity having an end wall and with a cavity adapted to receive the end of a shackle; a shackle having an end adapted to rest in the second mentioned cavity of the base, and formed with a threaded bore aligning with the bore in the base when the end of the shackle is in the second mentioned cavity of the base; a screw threaded bolt having a head adapted to engage with the end wall of the first mentioned cavity and to thread into the screw threaded bore of the shackle whereby the shackle and base are held firmly together; a slotted threaded locking collar adapted to be threaded into the screw threaded bore of the shackle; a tail formed on the bolt and passing through the collar, said tail formed with an enlarged head whereby the collar when placed on the tail and threaded into the bore of the shackle will prevent the complete withdrawal of the bolt upon unscrewing the same, whereby the shackle and base cannot become separated.

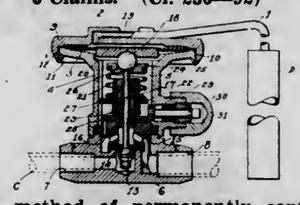
2,079,579

VALVE FOR A REFRIGERATION SYSTEM

John L. Shrode, Maplewood, Mo., assignor to Alco Valve Co., Inc., Maplewood, Mo., a corporation of Missouri

Application June 13, 1935, Serial No. 26,413

6 Claims. (Cl. 236—92)



1. The method of permanently centering a pressure plate of a valve against a diaphragm, consisting of securing said diaphragm adjacent its edge in said valve, with said pressure plate temporarily centered against one face of said diaphragm, and then subjecting the diaphragm to sufficient fluid pressure on its other face to permanently partially deform the same onto said plate.

3. In a refrigerant distributor control, a valve body, a diaphragm dividing the same into a pair of opposed pressure chambers, a pressure plate movable in one of said chambers and engaging said diaphragm, a valve stem having a ball and socket engagement with said plate, a spring guide element cooperating with said stem and having a ball and socket engagement therewith, and a spring interposed between said guide element and valve body to force said guide element and pressure plate yieldingly toward said diaphragm.

2,079,580
PROCESS FOR THE RECOVERY OF MONO-METHYL AMINE
Lloyd C. Swallen, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application August 29, 1932, Serial No. 630,797
6 Claims. (Cl. 202—51)

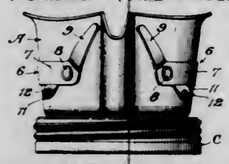
1. In a process for recovering mono-methyl amine from mixtures of substantially pure methyl amines, the steps which comprise liquefying the methyl amines, and fractionally distilling under pressures of from 40 to 80 pounds per square inch to separate the mono-methyl amine from the remaining amines.

2,079,581
RESPIRATOR FACEPIECE
Willis A. Whipple, Camp Lake, Wis., assignor to Robert Malcom, Chicago, Ill.
Application May 11, 1936, Serial No. 79,155
20 Claims. (Cl. 128—146)



4. A facepiece of flexible material formed with a nose portion, attached to each side thereof a member arched outwardly from the surface of the facepiece and comprising means between its ends for connection of a head-band thereto, said member at one end abutting the side of said nose portion.

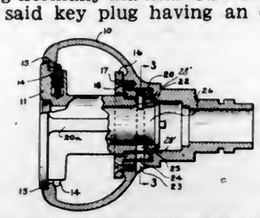
2,079,582
RESPIRATOR FACEPIECE
Willis A. Whipple, Camp Lake, Wis., assignor to Robert Malcom, Chicago, Ill.
Application October 31, 1936, Serial No. 108,647
7 Claims. (Cl. 128—146)



1. A facepiece of flexible material, and members on opposite sides each comprising a body part lying close and conforming substantially to the contour of said facepiece, a finger extending therefrom, and means on said body for connection with a headband, said fingers being arranged to be pressed toward each other under exertion of the headband.

2,079,583
LOCK
Karl A. Brauning, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn.
Application December 18, 1931, Serial No. 581,896
11 Claims. (Cl. 70—224)

1. In a lock, a cylinder, a key plug in said cylinder adapted for key operation, a retainer for maintaining the cylinder in the lock, said retainer being normally maintained inaccessible for operation, said key plug having an opening in



addition to the keyway positionable by operation of the plug to render said retainer accessible, whereby said retainer may be operated to release the cylinder from said lock.

2,079,584
RUBBER SHEET MATERIAL
Eardley Hazell, New York, N. Y., Harold C. Tingey, Nutley, and Chester E. Linscott, Ridgewood, N. J., assignors to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application February 29, 1936, Serial No. 66,430
13 Claims. (Cl. 18—56)

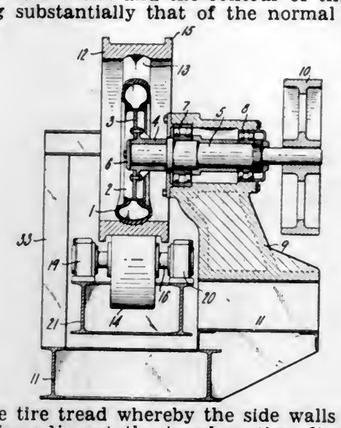


1. The process of making a rubber sheet having a plurality of substantially parallel rows of unconnected elongated openings with adjacent openings separated laterally by thin strands of rubber and adjacent rows of said openings separated longitudinally by relatively wide transverse bars of rubber, which comprises providing a rubber sheet having perforations arranged in columns and rows at substantially right angles to one another, stretching the sheet substantially in the direction of said columns to increase the void area of the sheet, and vulcanizing the sheet while in stretched condition to retain the elongated openings produced by the stretching operation.

2,079,585
METHOD AND APPARATUS FOR TESTING TIRES
Cheri M. Sloman, Detroit, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 10, 1932, Serial No. 632,576
10 Claims. (Cl. 73—51)

1. In a method of testing pneumatic tires, the steps comprising supporting a tread portion of a pneumatic tire against deformation, applying a controlled localized load to the tire and flexing the tire side walls and bead portions adjacent said supported tread portion.

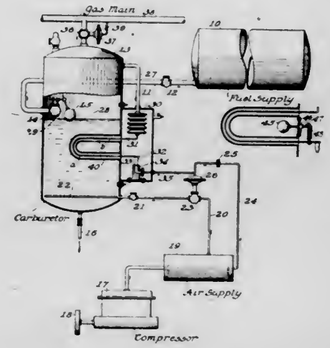
5. A test track for tires having a groove for engaging and supporting a tire tread, the depth of the groove being approximately the thickness of the tire tread and the contour of the groove being substantially that of the normal contour



of the tire tread whereby the side walls only of the tire adjacent the tread portion disposed in the groove are free to flex.

2,079,586
GAS MACHINE
Harold V. Atwell, Bayside, N. Y., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 30, 1932, Serial No. 620,187
15 Claims. (Cl. 261—121)

5. The method of carburetting air with hydrocarbon gases to produce a gas mixture wherein the ratio between the air and the hydrocarbon gases is a predetermined constant to provide a gas of uniform heating value which comprises, passing air under pressure through a volatile liquid hydrocarbon to carburet said air, maintaining the resultant gas mixture in contact with said hydrocarbon liquid at super-atmospheric pressure, and in increasing and decreasing said

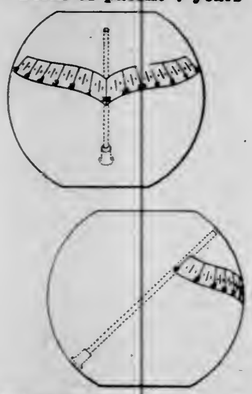


super-atmospheric pressure by increasing and decreasing respectively the amount of air passed through said liquid hydrocarbon in response to increases and decreases respectively of the temperature of said hydrocarbon liquid and to decreases and increases respectively in the specific gravity of said hydrocarbon liquid to maintain said desired gas mixture ratio.

DESIGNS

MAY 4, 1937

104,336
DESIGN FOR A SUNDIAL
Raymond Wesley Anderson, New York, N. Y.
Application November 11, 1936, Serial No. 65,850
Term of patent 7 years



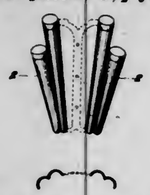
The ornamental design for a sundial, as shown and described.

104,337
DESIGN FOR A SHOE ORNAMENT OR SIMILAR ARTICLE
Pearl F. Ashton, Providence, R. I., assignor to Ernest E. Weller, Providence, R. I.
Application March 26, 1937, Serial No. 68,407
Term of patent 3½ years



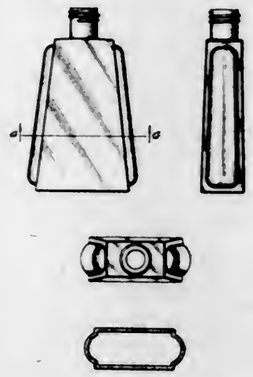
The ornamental design for a shoe ornament or similar article substantially as shown and described.

104,338
DESIGN FOR A SHOE ORNAMENT OR SIMILAR ARTICLE
Pearl F. Ashton, Providence, R. I., assignor to Ernest E. Weller, Providence, R. I.
Application March 26, 1937, Serial No. 68,408
Term of patent 3½ years



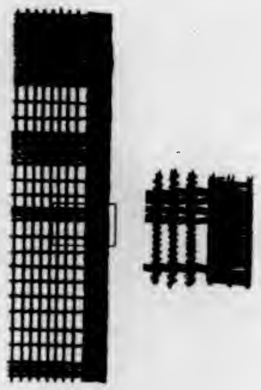
The ornamental design for a shoe ornament or similar article substantially as shown and described.

104,339
DESIGN FOR A BOTTLE
Irene M. Bocklage, Chicago, Ill., assignor to Cosmesis, Inc., Chicago, Ill., a corporation of Ohio
Application March 25, 1937, Serial No. 68,393
Term of patent 14 years



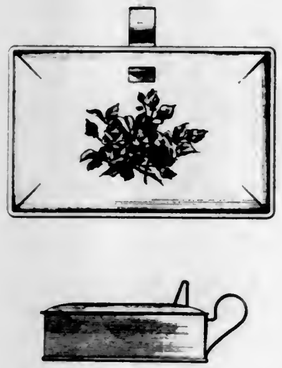
The ornamental design for a bottle, as shown.

104,340
DESIGN FOR A TEXTILE FABRIC
Philip Leslie Cherry, Philadelphia, Pa., assignor to E. L. Mansure Co., Chicago, Ill., a corporation of Illinois
Application December 9, 1936, Serial No. 66,403
Term of patent 7 years



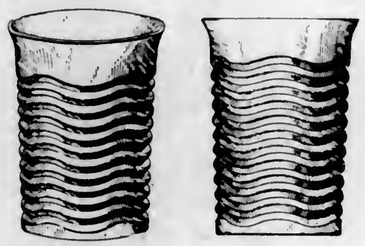
The ornamental design for a textile fabric, as shown and described.

104,341
DESIGN FOR A METAL CONTAINER
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application March 22, 1937, Serial No. 68,314
Term of patent 7 years



The ornamental design for a metal container substantially as shown.

104,342
DESIGN FOR A TUMBLER OR SIMILAR ARTICLE
James E. Duncan, 3rd, and Robert A. May, Washington, Pa., assignors to Duncan & Miller Glass Company, Washington, Pa., a corporation of Pennsylvania
Application December 2, 1936, Serial No. 66,260
Term of patent 7 years



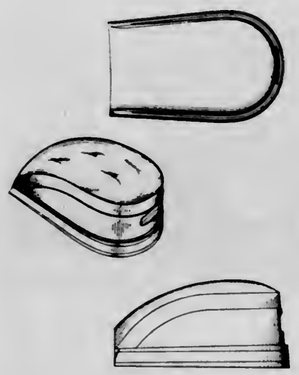
The ornamental design for a tumbler or similar article substantially as shown.

104,343
DESIGN FOR A BOWL OR SIMILAR ARTICLE
James E. Duncan, 3rd, and Robert A. May, Washington, Pa., assignors to Duncan & Miller Glass Company, Washington, Pa., a corporation of Pennsylvania
Application December 2, 1936, Serial No. 66,261
Term of patent 7 years



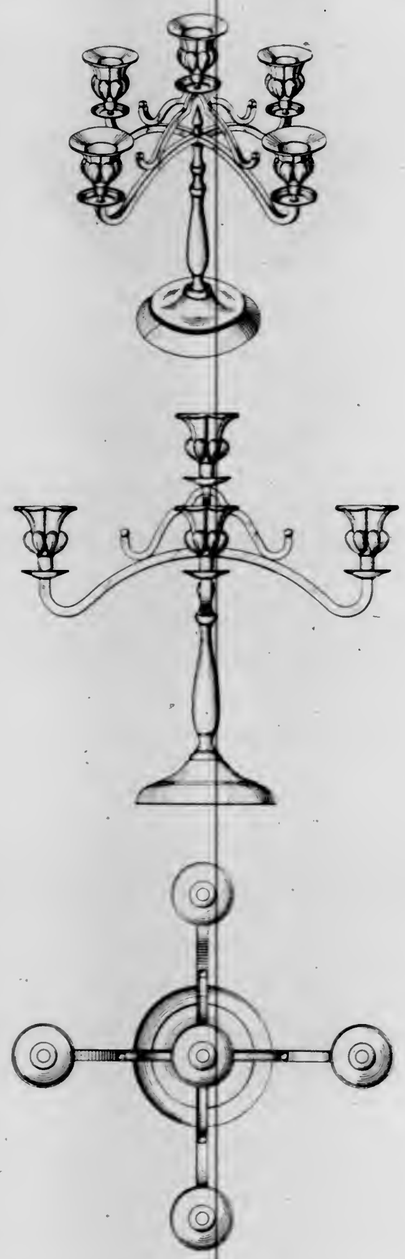
The ornamental design for a bowl or similar article substantially as shown.

104,344
DESIGN FOR A CASING FOR SUCTION CLEANERS OR SIMILAR ARTICLES
Henry Dreyfuss, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 20, 1937, Serial No. 68,302
Term of patent 14 years



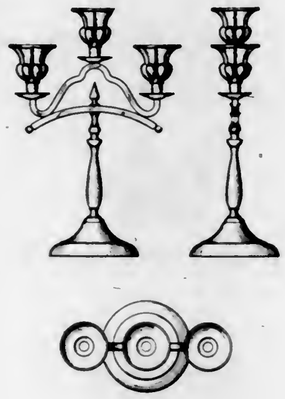
The ornamental design for a casing for suction cleaners or similar articles, substantially as shown.

104,345
DESIGN FOR A CANDELABRUM
Simon W. Farber, Brooklyn, N. Y.
Application February 27, 1937, Serial No. 67,888
Term of patent 14 years



The ornamental design for a candelabrum, as shown.

104,346
DESIGN FOR A CANDELABRUM
Simon W. Farber, Brooklyn, N. Y.
Application February 27, 1937, Serial No. 67,890
Term of patent 14 years



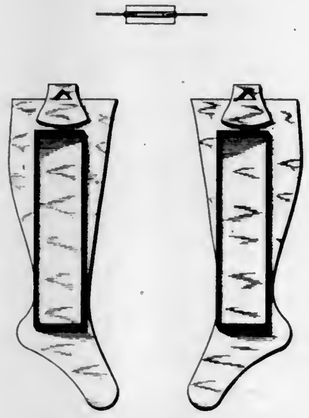
The ornamental design for a candelabrum, as shown.

104,347
DESIGN FOR A CANDELABRUM CUP
Simon W. Farber, Brooklyn, N. Y.
Application February 27, 1937, Serial No. 67,891
Term of patent 14 years



The ornamental design for a candelabrum cup, as shown.

104,348
DESIGN FOR A CONTAINER FOR LEAD PENCILS OR THE LIKE
Walther Friedlaender, New York, N. Y., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application October 6, 1936, Serial No. 65,177
Term of patent 3½ years



The ornamental design for a container for lead pencils or the like, as shown.

104,349
DESIGN FOR A FINGER RING
Linus F. Heberger, Rochester, N. Y., assignor to Metal Arts Company, Rochester, N. Y.
Application October 12, 1936, Serial No. 65,256
Term of patent 3½ years



The ornamental design for a finger ring, as shown.

104,350
DESIGN FOR A COLOGNE BOTTLE OR SIMILAR ARTICLE
Lucien Lelong, Paris, France, assignor to Lucien Lelong Inc., Chicago, Ill., a corporation of Illinois
Application March 10, 1937, Serial No. 68,101
Term of patent 7 years



The ornamental design for a cologne bottle or similar article as shown.

104,351
DESIGN FOR A BOTTLE
Philip G. Lloyd, Jackson Heights, N. Y., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application September 5, 1936, Serial No. 64,747
Term of patent 14 years



The ornamental design for a bottle, as shown.

104,352
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application February 25, 1937, Serial No. 67,842
Term of patent 14 years



The ornamental design for a knitted fabric, as shown.

104,353
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application February 25, 1937, Serial No. 67,843
Term of patent 14 years



The ornamental design for a knitted fabric as shown and described.

104,354
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application March 27, 1937, Serial No. 68,426
Term of patent 14 years



The ornamental design for a knitted fabric as shown.

104,355
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application March 27, 1937, Serial No. 68,427
Term of patent 14 years



The ornamental design for a knitted fabric as shown.

104,356
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application March 27, 1937, Serial No. 68,428
Term of patent 14 years

The ornamental design for a knitted fabric as shown.

104,357
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application March 27, 1937, Serial No. 68,430
Term of patent 14 years



The ornamental design for a knitted fabric as shown.

104,358
DESIGN FOR A VANITY CASE
Louis A. Samstag, New York, N. Y.
Application December 16, 1936, Serial No. 66,556
Term of patent 3½ years



The ornamental design for a vanity case as shown and described.

104,359
DESIGN FOR A RECESSED SOAP HOLDER OR THE LIKE
James R. Smith, Sr., Trenton, N. J., assignor to New Jersey Porcelain Company, Trenton, N. J., a corporation of New Jersey
Application June 26, 1936, Serial No. 63,506
Term of patent 14 years

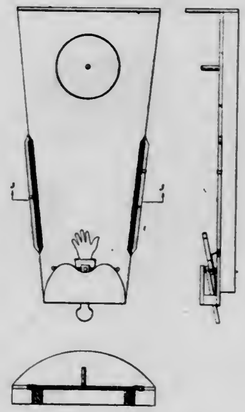
The ornamental design for a recessed soap holder or the like substantially as shown and described.

104,360
DESIGN FOR A MEAT TENDERER
Christian H. Wagner, Tiffin, Ohio
Application February 3, 1937, Serial No. 67,429
Term of patent 14 years



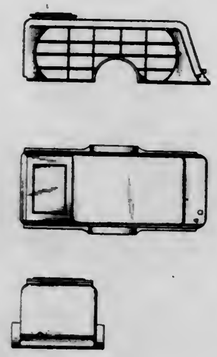
The ornamental design for a meat tenderer as shown.

104,361
DESIGN FOR A HORSESHOE GAME DEVICE
Ralph Apichell, Cleveland, Ohio
Application October 21, 1936, Serial No. 65,391
Term of patent 7 years



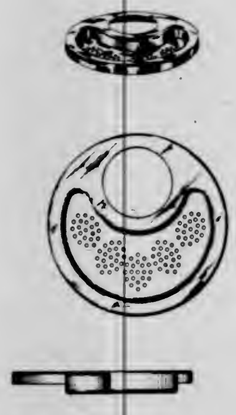
The ornamental design for a horseshoe game device, as shown.

104,362
DESIGN FOR A TRUCK BODY
William Elmer Attaway, Sr., Oklahoma City, Okla.
Application November 17, 1936, Serial No. 65,984
Term of patent 7 years



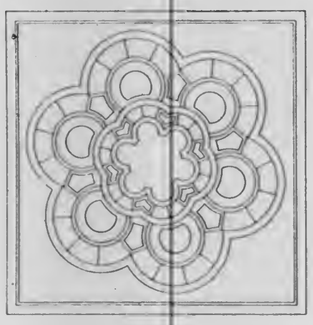
The ornamental design for a truck body, as shown.

104,363
DESIGN FOR A COCKTAIL RING
Stanley Barth, New York, N. Y.
Substituted for abandoned application Serial No. D. 62,883, May 28, 1936. This application February 16, 1937, Serial No. D. 67,679
Term of patent 7 years



The ornamental design for a cocktail ring substantially as shown.

104,364
DESIGN FOR A GAME BOARD
Ernest Beickert, New York, N. Y.
Application March 16, 1937, Serial No. 68,196
Term of patent 7 years



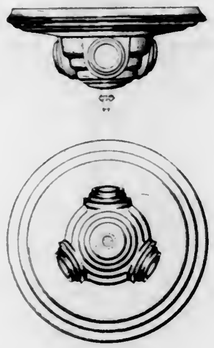
The ornamental design for a game board substantially as shown and described.

104,365
DESIGN FOR A CEILING LIGHTING FIXTURE
R. Guy Cowan, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application December 17, 1936, Serial No. 66,606
Term of patent 7 years



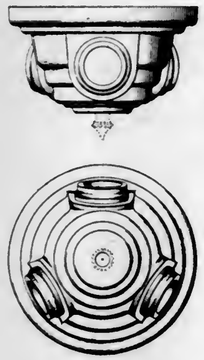
The ornamental design for a ceiling lighting fixture, as shown.

104,366
DESIGN FOR A CEILING LIGHTING FIXTURE
R. Guy Cowan, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application December 17, 1936, Serial No. 66,607
Term of patent 7 years



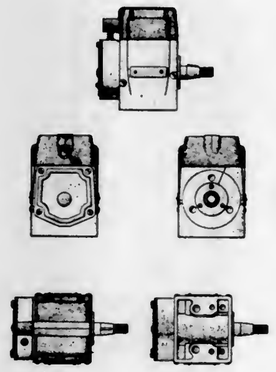
The ornamental design for a ceiling lighting fixture, as shown.

104,367
DESIGN FOR A CEILING LIGHTING FIXTURE
R. Guy Cowan, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application December 17, 1936, Serial No. 66,608
Term of patent 7 years



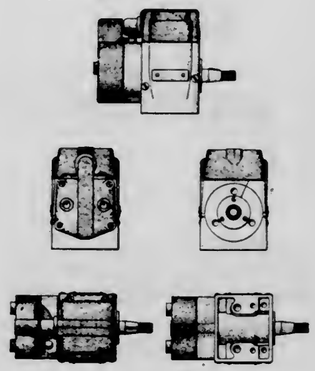
The ornamental design for a ceiling lighting fixture, as shown.

104,368
DESIGN FOR A MAGNETO-ELECTRIC GENERATOR
Le Roy S. Dunham, East Orange, and Arthur F. Robertson, Belleville, N. J., assignors to Edison-Splitdorf Corporation, West Orange, N. J., a corporation of New Jersey
Application March 5, 1937, Serial No. 68,006
Term of patent 7 years



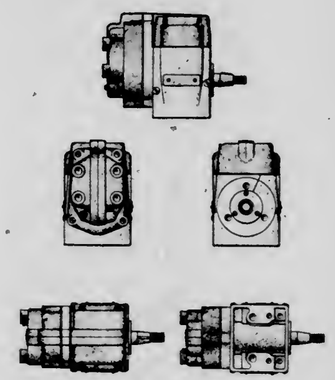
The ornamental design for a magneto-electric generator, as shown and described.

104,369
DESIGN FOR A MAGNETO-ELECTRIC GENERATOR
Le Roy S. Dunham, East Orange, and Arthur F. Robertson, Belleville, N. J., assignors to Edison-Splitdorf Corporation, West Orange, N. J., a corporation of New Jersey
Application March 5, 1937, Serial No. 68,007
Term of patent 7 years



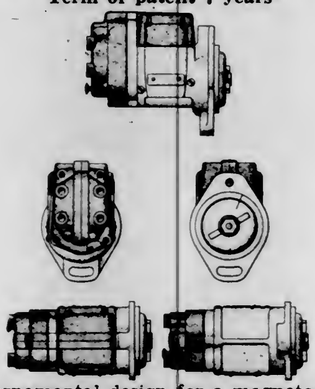
The ornamental design for a magneto-electric generator, as shown and described.

104,370
DESIGN FOR A MAGNETO-ELECTRIC GENERATOR
Le Roy S. Dunham, East Orange, and Arthur F. Robertson, Belleville, N. J., assignors to Edison-Splitdorf Corporation, West Orange, N. J., a corporation of New Jersey
Application March 5, 1937, Serial No. 68,008
Term of patent 7 years



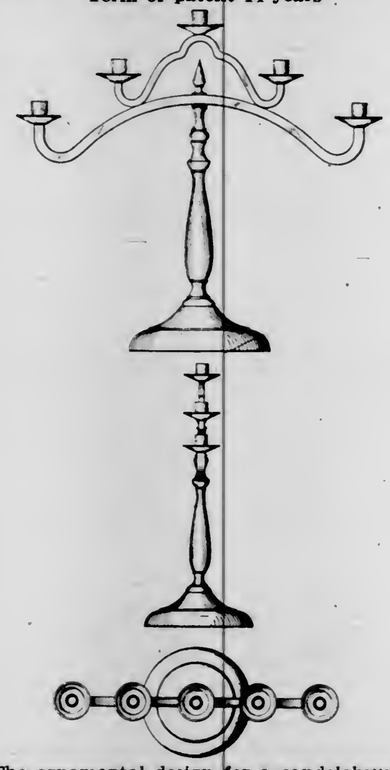
The ornamental design for a magneto-electric generator as shown and described.

104,371
DESIGN FOR A MAGNETO-ELECTRIC GENERATOR
Le Roy S. Dunham, East Orange, and Arthur F. Robertson, Belleville, N. J., assignors to Edison-Splitdorf Corporation, West Orange, N. J., a corporation of New Jersey
Application March 5, 1937, Serial No. 68,009
Term of patent 7 years



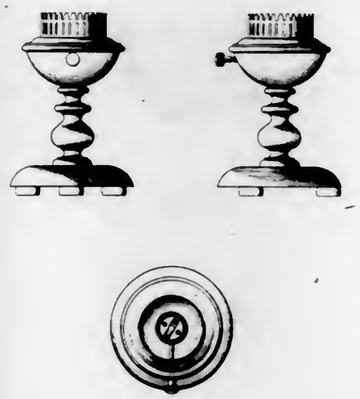
The ornamental design for a magneto-electric generator, as shown and described.

104,372
DESIGN FOR A CANDELABRUM
Simon W. Farber, Brooklyn, N. Y.
Application February 27, 1937, Serial No. 67,889
Term of patent 14 years



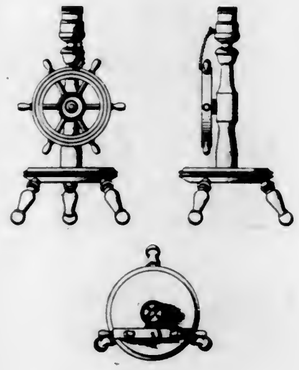
The ornamental design for a candelabrum, as shown.

104,373
DESIGN FOR A LAMP
Jacob Forbes, Philadelphia, Pa.
Application January 18, 1937, Serial No. 67,138
Term of patent 3½ years



The ornamental design for a lamp, as shown.

104,374
DESIGN FOR A LAMP
Jacob Forbes, Philadelphia, Pa.
Application January 18, 1937, Serial No. 67,139
Term of patent 3½ years



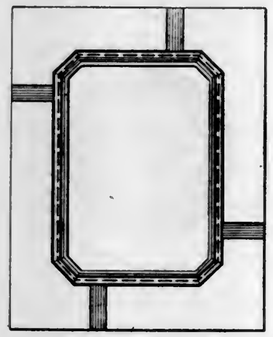
The ornamental design for a lamp as shown.

104,375
DESIGN FOR A CHAIR
Ermanno Galante, Woburn, Mass.
Application March 12, 1937, Serial No. 68,132
Term of patent 14 years



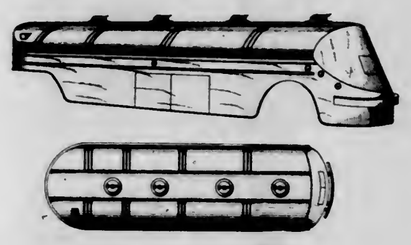
The ornamental design for a chair, substantially as shown.

104,376
DESIGN FOR A PHOTO MOUNT CARD
Oliver Gross, Toledo, Ohio, assignor to Gross Photo Supply Company, Toledo, Ohio, a corporation of Ohio
Application March 18, 1937, Serial No. 68,270
Term of patent 3½ years



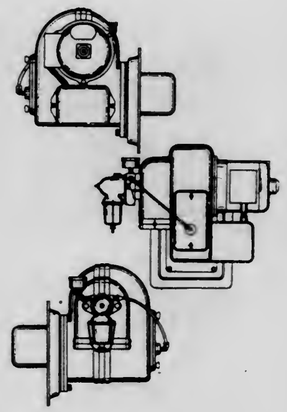
The ornamental design for a photo mount card, substantially as shown and described.

104,377
DESIGN FOR A TRAILER TANK VEHICLE BODY
Joseph M. Kramer and Hugh A. Mullin, Kansas City, Mo., and William H. Graves, Kansas City, Kans., assignors to Andrew A. Kramer, Kansas City, Mo.
Application September 20, 1935, Serial No. 58,630
Term of patent 14 years



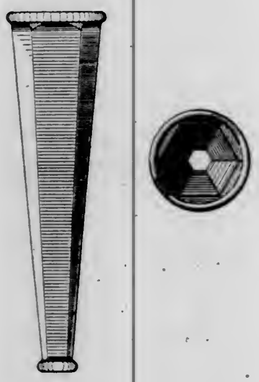
The ornamental design for a trailer tank vehicle body substantially as shown and described.

104,378
DESIGN FOR AN OIL BURNER
Emert J. Lattner, Cedar Rapids, Iowa
Application February 23, 1937, Serial No. 67,784
Term of patent 3½ years



The ornamental design for an oil burner as shown.

104,379
DESIGN FOR A DRINKING-VESSEL
Louis A. Leppke, Omaha, Nebr.
Application July 13, 1936, Serial No. 63,825
Term of patent 14 years



The ornamental design for a drinking-vessel substantially as shown.

104,380
DESIGN FOR A RACK FOR BEER-FOAM SCRAPERS
Louis Poglein, Jeannette, Pa., assignor to McKee Glass Company, Jeannette, Pa., a corporation of Pennsylvania
Application December 11, 1936, Serial No. 66,472
Term of patent 14 years



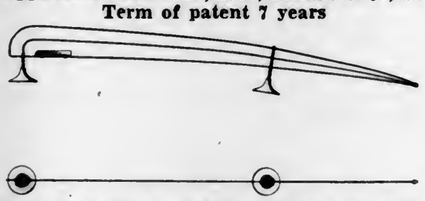
The ornamental design for a rack for beer-foam scrapers as shown.

104,381
DESIGN FOR A MUDDLER
Oscar M. Price, Oakland, Calif.
Application December 1, 1936, Serial No. 66,221
Term of patent 7 years



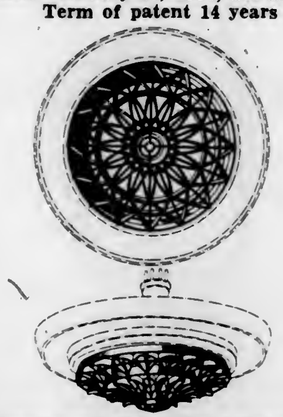
The ornamental design for a muddler, substantially as shown.

104,382
DESIGN FOR AN AUTOMOBILE ANTENNA
Robert P. Schiffmann, Chicago, Ill.
Application March 17, 1937, Serial No. 68,237
Term of patent 7 years



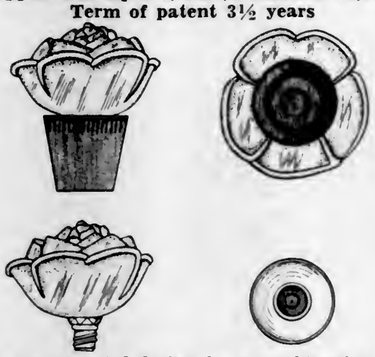
The ornamental design for an automobile antenna substantially as shown.

104,383
DESIGN FOR A LIGHTING FIXTURE
Edward F. Sibbert, Brooklyn, N. Y., assignor to S. H. Kress and Company, New York, N. Y., a corporation of New York
Application February 23, 1937, Serial No. 67,796
Term of patent 14 years



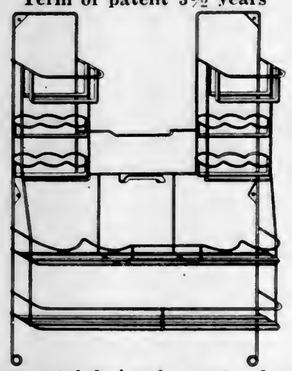
The ornamental design for a lighting fixture, as shown and described.

104,384
DESIGN FOR A COMBINATION PERFUME BOTTLE AND STAND
Joseph Sudbeaz, New York, N. Y.
Application April 2, 1937, Serial No. 68,515
Term of patent 3½ years



The ornamental design for a combination perfume bottle and stand, substantially as shown, and described.

104,385
DESIGN FOR A WIRE DOOR RACK
Harley R. Wall, Detroit, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application March 10, 1937, Serial No. 68,090
Term of patent 3½ years



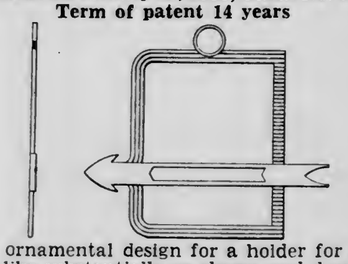
The ornamental design for a wire door rack as shown.

104,386
DESIGN FOR A KEY RING
James F. Allison, Providence, R. I., assignor to Freeman-Daughaday Company, a corporation of Massachusetts
Application February 13, 1937, Serial No. 67,630
Term of patent 14 years



The ornamental design for a key ring substantially as shown.

104,387
DESIGN FOR A HOLDER FOR LABELS OR THE LIKE
Egmont H. Arens, New York, N. Y., assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application February 13, 1935, Serial No. 55,394
Term of patent 14 years



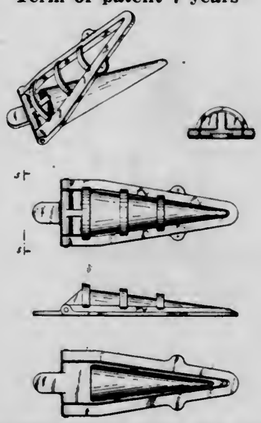
The ornamental design for a holder for labels or the like substantially as shown and described.

104,388
DESIGN FOR A DRESS
Helen Berry, New York, N. Y.
Application April 8, 1937, Serial No. 68,614
Term of patent 3½ years



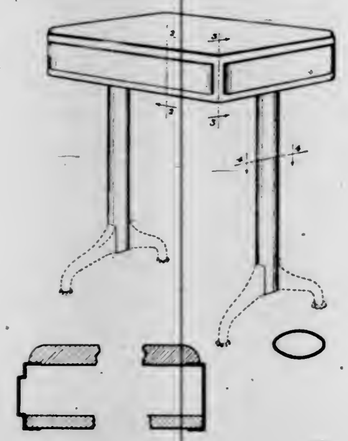
The ornamental design for a dress substantially as shown.

104,389
DESIGN FOR A FUR STRETCHER
Rubin Binder, Brooklyn, N. Y.
Application March 8, 1937, Serial No. 68,074
Term of patent 7 years



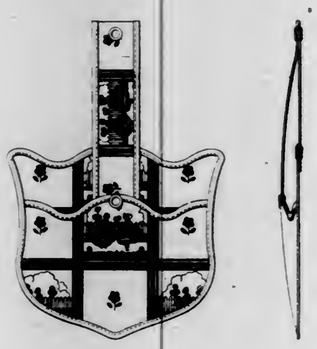
The ornamental design for a fur stretcher, as shown and described.

104,390
DESIGN FOR A TABLE
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application March 29, 1937, Serial No. 68,461
Term of patent 14 years



The ornamental design for a table as shown and described.

104,391
DESIGN FOR A WALL POCKET
Moses Caplan, Boston, Mass.
Application March 26, 1937, Serial No. 68,417
Term of patent 7 years



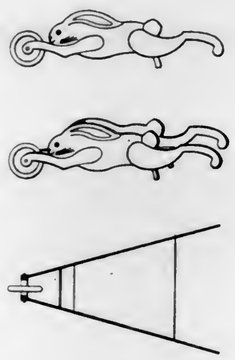
The ornamental design for a wall pocket substantially as shown.

104,392
DESIGN FOR A WALL POCKET
Moses Caplan, Boston, Mass.
Application March 26, 1937, Serial No. 68,418
Term of patent 7 years



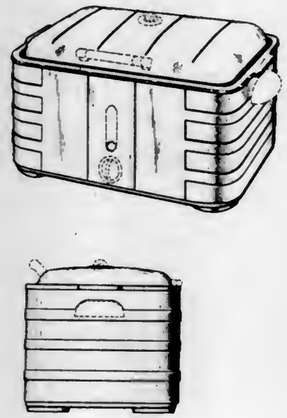
The ornamental design for a wall pocket, substantially as shown.

104,393
DESIGN FOR A TOY WHEELBARROW
Arthur L. Chetlain, Seattle, Wash.
Application August 22, 1936, Serial No. 64,533
Term of patent 3½ years



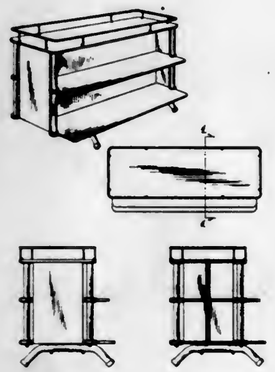
The ornamental design for a toy wheelbarrow, as shown.

104,394
DESIGN FOR AN ELECTRIC ROASTER
George R. Coss, Toledo, Ohio, assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application March 22, 1937, Serial No. 68,329
Term of patent 7 years



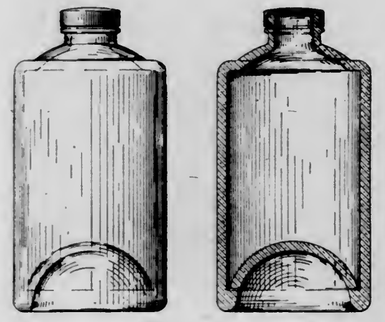
The ornamental design for an electric roaster, substantially as shown.

104,395
DESIGN FOR A DISPLAY RACK FOR BREAD OR SIMILAR ARTICLE
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa, a corporation of Iowa
Application March 2, 1937, Serial No. 67,941
Term of patent 7 years



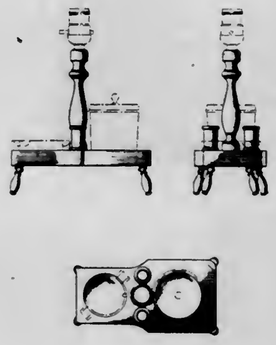
The ornamental design for a display rack for bread or similar article substantially as shown.

104,396
DESIGN FOR A BOTTLE
William Fehr, Sacramento, Calif., assignor of one-fourth to Frank T. Hoffman, Sacramento, Calif.
Application January 29, 1937, Serial No. 67,337
Term of patent 14 years



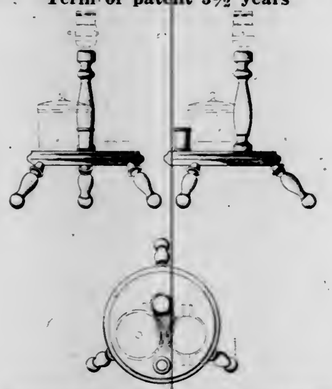
The ornamental design for a bottle, as shown.

104,397
DESIGN FOR A COMBINED LAMP AND SMOKER'S STAND
Jacob Forbes, Philadelphia, Pa.
Application January 19, 1937, Serial No. 67,159
Term of patent 3½ years



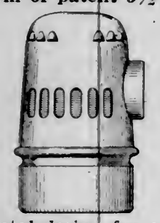
The ornamental design for a combined lamp and smoker's stand, as shown.

104,398
DESIGN FOR A COMBINED LAMP AND SMOKER'S STAND
Jacob Forbes, Philadelphia, Pa.
Application January 21, 1937, Serial No. 67,211
Term of patent 3½ years



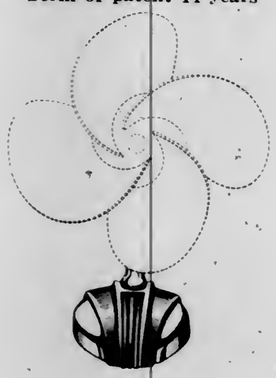
The ornamental design for a combined lamp and smoker's stand, as shown.

104,399
DESIGN FOR A SOCKET COVER
Frank M. Gaul, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application November 20, 1936, Serial No. 66,038
Term of patent 3½ years

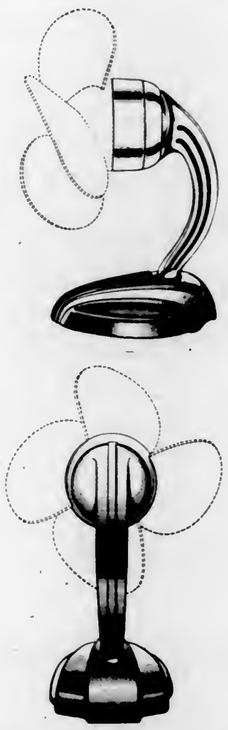


The ornamental design for a socket cover, as shown and described.

104,400
DESIGN FOR AN ELECTRIC FAN
George Graff, Toledo, Ohio, and Abe O. Samuels, Rochester, N. Y., assignors to Samson-United Corporation, Rochester, N. Y.
Application February 24, 1936, Serial No. 61,299
Term of patent 14 years

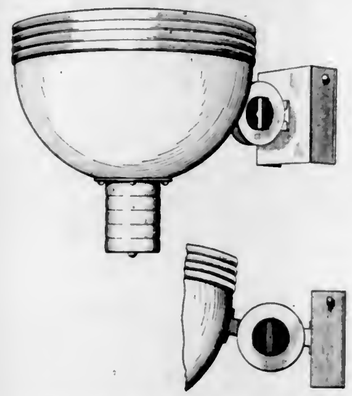


104,400—Continued



The ornamental design for an electric fan, as shown and described.

104,401
DESIGN FOR A WALL BRACKET LAMP
Edward Kanter, Cleveland Heights, Ohio, assignor to Railley Corporation, a corporation of Ohio
Application October 21, 1936, Serial No. 65,404
Term of patent 7 years



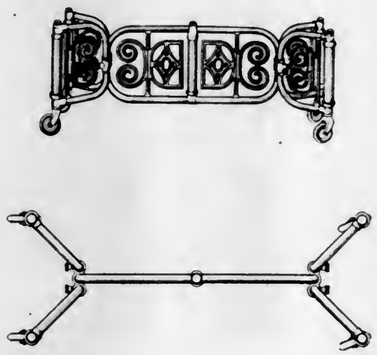
The ornamental design for a wall bracket lamp, substantially as shown.

104,402
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application March 2, 1937, Serial No. 67,942
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

104,403
DESIGN FOR A CASKET BIER OR SIMILAR ARTICLE
William E. Klever, Washington Court House, Ohio
Application December 10, 1936, Serial No. 66,460
Term of patent 14 years



The ornamental design for a casket bier or similar article, as shown and described.

104,404
DESIGN FOR A RUG
Gerard J. Kluyskens, New York, N. Y.
Application January 25, 1937, Serial No. 67,282
Term of patent 3½ years



The ornamental design for a rug substantially as shown and described.

104,405
DESIGN FOR A KNITTED TWO-PIECE DRESS
Daniel Rheinauer, New York, N. Y., assignor to New York Knitting Mills, Inc., New York, N. Y., a corporation of New York
Application July 11, 1936, Serial No. 63,785
Term of patent 7 years



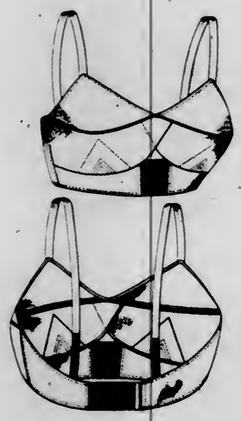
The ornamental design for a knitted two-piece dress, as shown and described.

104,406
DESIGN FOR A DRESS
Elizabeth T. Romaine, New York, N. Y.
Application January 14, 1937, Serial No. 67,044
Term of patent 3½ years



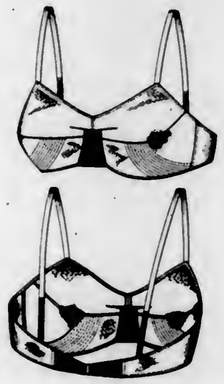
The ornamental design for a dress, as shown.

104,407
DESIGN FOR A BRASSIÈRE
William Rosenthal, New York, N. Y., assignor to Maiden Form Brassière Company, Inc., New York, N. Y., a corporation of New York
Application December 24, 1935, Serial No. 60,270
Term of patent 14 years



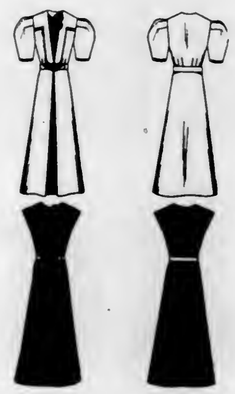
The ornamental design for a brassière, as shown.

104,408
DESIGN FOR A BRASSIÈRE
William Rosenthal, New York, N. Y., assignor to Maiden Form Brassière Company, Inc., New York, N. Y., a corporation of New York
Application September 23, 1936, Serial No. 64,982
Term of patent 14 years



The ornamental design for a brassière, as shown.

104,409
DESIGN FOR A DRESS ENSEMBLE
Felix Safian, New York, N. Y.
Application March 22, 1937, Serial No. 68,318
Term of patent 3½ years



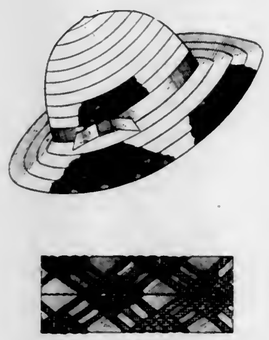
The ornamental design for a dress ensemble, substantially as shown and described.

104,410
DESIGN FOR A DRESS ENSEMBLE
Harry T. Schakne, New York, N. Y.
Application March 22, 1937, Serial No. 68,319
Term of patent 3½ years



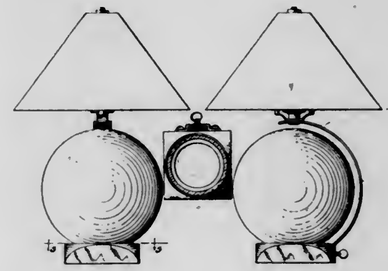
The ornamental design for a dress ensemble, substantially as shown, and described.

104,411
DESIGN FOR A HAT
Irwin B. Simon, San Francisco, Calif.
Application February 25, 1936, Serial No. 61,346
Term of patent 3½ years



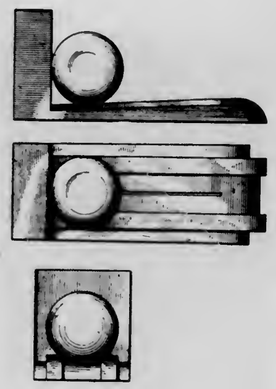
The ornamental design for a hat as shown and described.

104,412
DESIGN FOR A LAMP
Robert W. Simpson, New York, N. Y.
Application January 18, 1937, Serial No. 67,120
Term of patent 14 years



The ornamental design for a lamp substantially as shown.

104,413
DESIGN FOR A BOOK END OR SIMILAR ARTICLE
Manville D. Smith, New York, N. Y.
Application February 15, 1937, Serial No. 67,660
Term of patent 3½ years



The ornamental design for a book end or similar article as shown.

104,414
DESIGN FOR A PERFUME BOTTLE OR SIMILAR ARTICLE
Joseph S. Stein, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application December 11, 1936, Serial No. 66,473
Term of patent 7 years



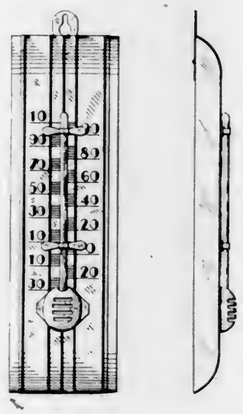
The ornamental design for a perfume bottle or similar article as shown.

104,415
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application April 10, 1937, Serial No. 68,659
Term of patent 3½ years



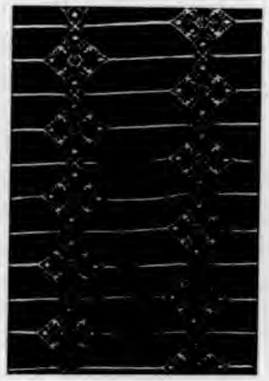
The ornamental design for a textile fabric, substantially as shown, and described.

104,416
DESIGN FOR A THERMOMETER
Ralph C. Wappner, Springfield, Ohio, assignor to The Ohio Thermometer Company, Springfield, Ohio, a corporation of Ohio
Application February 15, 1937, Serial No. 67,666
Term of patent 14 years



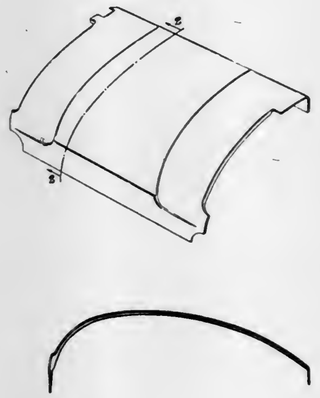
The ornamental design for a thermometer, as shown.

104,417
DESIGN FOR LACE
James Waterfield, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 7, 1937, Serial No. 68,599
Term of patent 3½ years



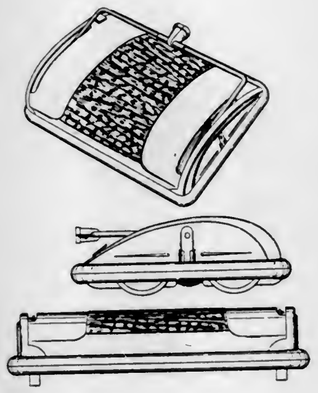
The ornamental design for lace substantially as shown and described.

104,418
DESIGN FOR A CARPET SWEEPER SHELL
Findley Williams, Park Ridge, Ill., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich.
Application January 13, 1937, Serial No. 67,038
Term of patent 14 years



The ornamental design for a carpet sweeper shell, as shown.

104,419
DESIGN FOR A CARPET SWEEPER
Findley Williams, Park Ridge, Ill., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich.
Application January 13, 1937, Serial No. 67,039
Term of patent 14 years



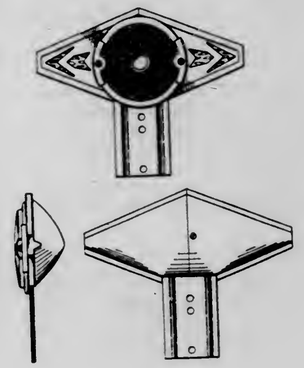
The ornamental design for a carpet sweeper, as shown.

104,420
DESIGN FOR A DRESS
Irving A. Winter, New York, N. Y.
Application April 9, 1937, Serial No. 68,652
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

104,421
DESIGN FOR A STOP LIGHT SIGNAL
Charles J. Kern, Buffalo, N. Y.
Application March 12, 1937, Serial No. 68,140
Term of patent 3½ years



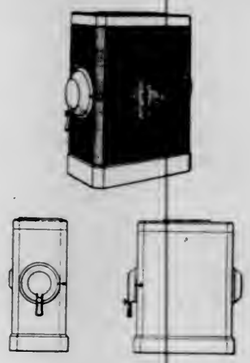
The ornamental design for a stop light signal, as shown.

104,422
DESIGN FOR A RING OR SIMILAR ARTICLE OF JEWELRY
Felix P. Kinsley, St. Louis, Mo.
Application February 27, 1937, Serial No. 67,909
Term of patent 14 years



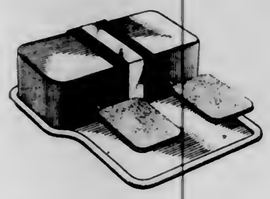
The ornamental design for a ring or similar article of jewelry as shown and described.

104,423
DESIGN FOR A COFFEE MILL CASING
David A. Meeker, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application February 13, 1935, Serial No. 55,396
Term of patent 14 years



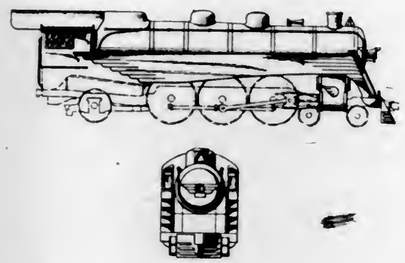
The ornamental design for a coffee mill casing, substantially as shown and described.

104,424
DESIGN FOR A CONTROL DEVICE FOR PHONOGRAPHS
Ray Patten, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application February 25, 1937, Serial No. 67,848
Term of patent 14 years



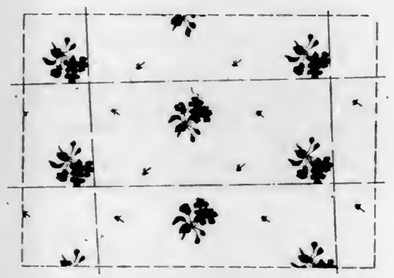
The ornamental design for a control device for phonographs, as shown and described.

104,425
DESIGN FOR A LOCOMOTIVE
Charles J. Scudder, Scranton, Pa.
Application January 14, 1937, Serial No. 67,056
Term of patent 7 years



The ornamental design for a locomotive, as shown and described.

104,426
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC
Isidor J. Shorser, West New York, N. J.
Application March 18, 1937, Serial No. 68,250
Term of patent 3½ years





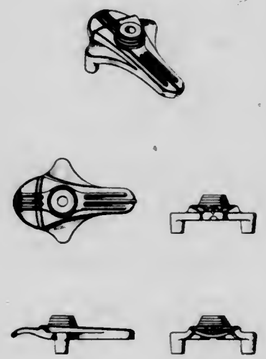
The ornamental design for an embroidered textile fabric substantially as shown and described.

104,427
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC
Isidor J. Shorser, West New York, N. J.
Application March 27, 1937, Serial No. 68,434
Term of patent 3½ years



The ornamental design for an embroidered textile fabric substantially as shown.

104,428
DESIGN FOR A BRACKET FOR A STEERING WHEEL TURNING KNOB
William H. Snow, Chicago, Ill., assignor to Snow-Craggs Corporation, Chicago, Ill., a corporation of Illinois
Application February 27, 1937, Serial No. 67,893
Term of patent 14 years



The ornamental design for a bracket for a steering wheel turning knob, substantially as shown.

Patents Nos. 2,079,587 to 2,080,393

THE

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May 11, 1937

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Reissues	8—No.	20,356 to No.	20,363, inclusive.
Patents	807—No.	2,079,587 to No.	2,080,393, inclusive.
Designs	91—No.	104,429 to No.	104,519, inclusive.
Total	1,223		

Disclaimers

2,030,119.—*Frank B. Powers,* Forest Hills, and *Charles C. Whittaker,* Pittsburgh, Pa. CONTROL SYSTEM. Patent dated February 11, 1936. Disclaimer filed April 14, 1937, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 1 to 6, inclusive, of the specification.

2,042,450.—*Edwin O. Blodgett,* Rochester, N. Y. CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS. Patent dated June 2, 1936. Disclaimer filed April 12, 1937, by the assignee, *General Railway Signal Company.*

Hereby enters this disclaimer by disclaiming from claim 1 any system, except wherein the "means for controlling a first device" and the "means for controlling a second device" are separately and independently operable manually; by disclaiming from claims 13 and 14 any system, except wherein the "means for at times controlling said first device" and the "means for at times controlling said second device" are separately and independently operable manually; by disclaiming from claim 9 any system, except wherein the "second line circuit" includes a different line wire connecting the "control office" and the "field station" than is included in the "first line circuit"; and by disclaiming from claims 16 and 17 any system, except wherein the devices defined as "a first and a second device" are a switch machine and signals associated with said switch machine.

Transfer of Subclasses

ORDER No. 3391

U. S. PATENT OFFICE, *Washington, D. C., April 27, 1937.*

The following transfer, to take effect May 1, 1937, is hereby ordered:

Class 123, subclasses 90–96 and 170–178, from Div. 45 to Div. 28.

CONWAY P. COE,
Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,855,055, J. K. Johnson, High frequency transformer, decided March 20, 1937, claims 1 and 8.

Pat. 1,932,665, R. M. Hicks, E. R. Leroy, and F. C. Collins, Generative repeater, decided April 9, 1937, claims 1 and 7.

Pat. 2,020,366, C. MacCallum, Variable pitch propeller, decided April 9, 1937, claim 2.

Pat. 2,028,852, C. H. Vincent, Door locking means, decided April 12, 1937, claims 1, 2, 3, 6, 7, and 8.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, April 14, 1937.*

James F. Blawn, his assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Midway Chemical Co., 5235 West 65th Street, Chicago, Ill., to effect the cancellation of trade-mark registration of James F. Blawn, 440 East 46th Street, New York, N. Y., No. 131,042, dated May 4, 1920, and the notice of such proceeding sent by registered mail to the said James F. Blawn at the said address having been returned by the post office undeliverable, notice is hereby given that unless said James F. Blawn, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business April 24, 1937

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 37,951; Trade-Mark Division, 1,860. Oldest new case, Nov. 5, 1936; oldest amended, Nov. 4, 1936.) (The dates given are 1937 except where † indicates 1936) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	†Dec. 18	Feb. 5	482
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	†Dec. 10	†Dec. 12	747
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 1	Feb. 2	463
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Jan. 2	Jan. 2	601
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Feb. 8	Feb. 6	502
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	†Dec. 24	†Dec. 28	700
5725	7. JARBOE, C. G., Optics; Photography	Jan. 29	Jan. 27	867
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Jan. 26	Jan. 29	538
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Jan. 13	Jan. 13	474
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Jan. 25	Feb. 5	398
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Jan. 27	Jan. 26	449
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	†Nov. 25	†Dec. 26	685
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 9	Jan. 23	490
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Jan. 21	Jan. 21	644
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Jan. 19	Jan. 19	955
5612	16. SPENCER, C. J., Telegraphy; Telephony	†Dec. 29	†Dec. 31	667
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 30	Feb. 2	535
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Dec. 29	†Dec. 29	505
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Jan. 6	†Dec. 28	728
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Jan. 18	Jan. 21	481
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Jan. 25	Jan. 25	610
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 29	Jan. 29	558
7624	23. BUTTNER, W. J. (Act.), Registers (part)	†Nov. 5	†Nov. 4	218
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters, Sewing Machines	Feb. 10	Feb. 15	546
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Jan. 25	Jan. 25	495
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Jan. 30	Jan. 15	476
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	†Nov. 13	†Nov. 17	752
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Feb. 1	Feb. 4	223
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Jan. 30	Jan. 25	487
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Dec. 17	†Dec. 17	805
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Jan. 26	Feb. 12	442
4086	32. LESH, KARL (Act.), Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Jan. 21	Jan. 22	495
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Feb. 12	Feb. 1	648
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Mar. 2	Mar. 1	282
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	†Dec. 24	†Dec. 28	630
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Feb. 4	Feb. 5	264
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	†Dec. 14	†Dec. 17	781
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Jan. 27	Jan. 27	472
4872	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	Jan. 11	Jan. 15	486
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	†Dec. 19	†Dec. 21	1245
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	†Dec. 24	†Dec. 14	411
5882	42. CUTTING, H. O., Electric Signaling	Jan. 25	Jan. 16	439
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Jan. 25	Jan. 25	581
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	†Dec. 30	†Dec. 28	635
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Dec. 12	†Dec. 12	765
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Jan. 27	Feb. 8	403
6082	47. BARKER, H., Clutches; Brakes	Feb. 10	Feb. 15	425
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Jan. 25	Jan. 25	536
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Jan. 25	Feb. 4	459
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Jan. 24	Jan. 24	620
5628	51. BACKUS, C. D., Radiant Energy	Jan. 21	Jan. 21	759
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Feb. 2	Jan. 30	597
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	†Dec. 8	†Dec. 8	1035
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Mar. 2	Mar. 2	359
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Nov. 18	†Nov. 28	912
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making	†Dec. 30	†Dec. 30	790
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	†Nov. 25	†Dec. 17	659
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 23	Feb. 15	322
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Feb. 1	Feb. 8	492
5896	60. GLASS, R. L., Electric Heating, and Welding; Batteries; Resistances; Dynamo Plants	†Dec. 12	†Dec. 12	573
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Jan. 21	Jan. 22	326
3876	62. PUGH, E. C., Games; Geometrical Instruments	Feb. 4	Feb. 5	477
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Jan. 19	Jan. 22	506
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Jan. 25	Jan. 25	852
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Dec. 4	†Dec. 1	658
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND	Trade-Marks	Mar. 24	Apr. 9	1544
		Labels and Prints	Mar. 22	Apr. 12	316
2605	DESIGNS, H. H. KALUPY		Mar. 29	Apr. 12	534

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE EITZEN

No. 3,708. Decided December 21, 1936

[86 F.(2d) 829]

PATENTABILITY—PROJECTING MACHINE.

Certain claims of an application for a projecting machine *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Gustav Drews and *Mr. Hans V. Briesen* for Eitzen.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.*:

The appellant filed an application in the United States Patent Office for a patent on certain improvements in projecting machines. Several claims were allowed, but claims 8, 9, 10, and 15 were rejected by both the Examiner and the Board of Appeals, on the following references: Percy (British), 12,599, May 24, 1910; Gallo & Galinou (French), 456,917, June 30, 1913.

Claim 8 is typical, and is as follows:

8. A projecting machine head having two adjacent vertically extending light apertures inclined to one another, a lamp for each of said light apertures disposed in said head, light directing means for directing the light rays from each lamp through one of said light apertures in a substantially horizontal direction, each lamp and its associated light directing means being spaced from its light aperture to clear the light rays moving toward the other light aperture, the light rays so moving toward their respective light apertures crossing one another before reaching their respective light apertures, tape guiding means associated with said light apertures, and means for drawing a tape successively across said light apertures.

The invention relates to a stock ticker projecting head. This head is so arranged as to project the printed matter upon the ticker tape in two directions at the same time. The head is arranged with two lights, each with a reflector and pair of lenses. These lights are arranged at right angles to each other, each lamp being placed in a rectangular recess. The rays are projected in straight lines toward the emitting openings in such a way that the rays of light cross each other at right angles with the head. The ticker tape is moved successively across the lenses in the openings, so that the lamps will project the quotation appearing on the tape upon suitable screens. The focal length of the lenses are unequal. The light directing units are so spaced from the light apertures as to clear the light rays moving toward the other apertures.

The British patent to Percy shows a projecting apparatus, especially in Figure 13, with one light and one film, but with four condensers and four screens. Appellant comments upon the fact that the Examiner was in error in construing the elements 8 in said Figure 13 as lamps, whereas they are shown in said patent as condensers. However, it is not thought by the court that this makes any material difference as to the correctness of the decision of the Patent Office tribunals. The various projections in the Percy patent are at approximately right angles to each other, and are spaced from one another. The rays of light in the Percy patent do not intersect before they reach the emitting apertures. However, the Examiner is of opinion, as is the Board of Appeals, that to so place the light and condensers in Percy that the rays of light would intersect each other, does not involve invention, and we are inclined to agree with this theory. The Patent Office tribunals are of opinion that the crossing of the light rays in such a device does not affect, in any way, the operation of the device, nor is it shown by the inventor that this produces any new or useful result. In fact, it does not appear that it results in any change of any kind in the passage of the rays of light to their respective apertures. The Examiner is also of opinion, which view is concurred in by the Board of Appeals, that

"Condensers of different focal lengths are frequently substituted for one another to obtain the expected difference in result in an obvious manner well known in the art." The appellant does not deny this, nor make any showing to the contrary, and it must be a matter of common knowledge that this is true.

The French patent to Gallo et al. proposes to utilize the same film for projecting motion pictures

"onto a more or less considerable number of screens, which may be disposed either at the same level in various directions or at different levels and likewise in various directions."

In the patent, the film is so arranged that it will respectively pass before several multiple condensing lenses, distinct from each other, onto different screens. The patent shows one source of light, but several, in this case four, different reflectors and condensers for the emission of light in the desired direction. Some of these light projecting means are shown with a succession of mirrors so that the light will be deflected one or more times before it reaches its objective screen.

The appellant argues that the Gallo et al. patent is not operative, as the image which is reflected in some cases will be reflected backwards, and in others upside down and backwards, because of the number of reflections by the mirrors which are used. Therefore, appellant insists that the Gallo et al. patent ought not to be used as a reference, it being claimed to be inoperative. However, it will be noted that this point was not considered in the decisions of the tribunals below, and we are not in position to consider the same here. It does not appear that even if inoperative, it would be inventive to make such changes as to render it operative.

In addition to what is here said, our discussion of the Gallo reference in *In re Eitzen*, 24, C. C. P. A. (Patents) —, 86 F.(2d) 411, (No. 3707) is apropos.

It will furthermore be observed that none of the rejected claims recite any particular method for showing the images upon the screens. The appellant does not argue that the references will not produce a multiple of projections, but that he is pro-

ducing a "particular type of multiple projection", as indicated in each claim; to wit, a number of projections which are disposed at right angles to one another so that the light rays, from sources of light, cross one another before reaching their respective light apertures. While the disclosure of appellant shows the particular feature of intersecting rays of light, it is not shown wherein such an arrangement is inventive, and the Patent Office tribunals are of opinion that no such invention is embodied in this idea.

We agree with the Board of Appeals that claims 8, 9, 10, and 15 were properly rejected, and its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE GENSBURG

No. 3,691. Decided January 4, 1937

[86 F.(2d) 984]

PATENTABILITY—PIN AND MARBLE GAME APPARATUS.

A claim for a pin and marble game apparatus *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Clarence E. Threedy and *Mr. Charles B. Cannon* for Gensburg,

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.*:

The Board of Appeals of the United States Patent Office affirmed the action of the Primary Examiner in denying patentability of claim No. 7, the only remaining claim, in view of the prior art, of appellant's application for a patent relating to a pin and marble game apparatus. Appellant has appealed here for a review of the decision of the Board.

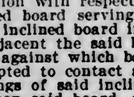
The references relied upon were: Mendes et al., 1,573,415, February 16, 1926; Rentz, 1,694,691, December 11, 1928; Paulin et al., 1,938,495, December 5, 1933.

The claim reads as follows:

7. A pin and marble game apparatus comprising a cabinet, an inclined playing board arranged in the cabinet and upon which balls are adapted to be projected by gravitation thereover and including an area having a plurality of ball exit openings provided therein with the openings arranged at equal intervals from each other and in acrostic rows to receive the balls from said board, a panel slidably arranged within the cabinet beneath the inclined board and having ball exit openings formed therein adapted to register with the ball exit openings of the inclined board and said panel when in position with its exit openings disposed from registration with respect to the ball exit openings of the inclined board serving to support balls in the openings of the inclined board in a pattern formation, baffle members adjacent the said ball exit openings of said inclined board against which balls gravitating upon said board are adapted to contact and be deflected into the ball exit openings of said inclined board, means for projecting balls upon said board, and means for moving said ball supporting panel to release the said balls from the ball exit openings of the inclined board.

The amusement game disclosed in appellant's application is quite similar to the games disclosed in the references. The claim covers an apparatus which has a cabinet in which is an inclined board, having various numerically marked openings, into which the balls roll. Means are provided for projecting the balls back to the top of the board. There is also a means provided for moving a ball-supporting panel to release the said balls from the ball exit openings. The details of the structure are set out in the claim.

The patent to Mendes et al. relates to a toy golf game containing a board having holes therein for receiving the balls. Five of the holes of the Mendes et al. patent are at the lower end of the board. The remaining sixth hole is at the opposite end of the board. The said five holes are arranged in a cross-shaped pattern as follows:



The patent to Rentz is for a golf game apparatus quite similar to that of appellant, the ball-receiving holes of Rentz being arranged in a manner somewhat comparable to those of the Mendes et al. patent.

The patent to Paulin et al. shows a game apparatus which works on the same plan as that of appellant, but the pattern made by the ball exit openings differs considerably from that of appellant.

Appellant in his brief here stresses the fact that no prior reference shows his exact arrangement.

The Examiner referred to all three references and stated that while there was no conventional geometrical pattern made by the arrangement of the openings in the structure of the Paulin et al. patent, there would be no mechanical difficulty encountered in so locating them as to form a pattern like that of applicant's board. He gives it as his opinion that:

The appealed claim is thought to be unpatentable over the Paulin patent for no invention would be required to locate the holes thereof in the arrangement claimed in view of the generally similar and equivalent arrangements shown in the Rentz and Mendes patents.

The Board of Appeals did not refer to Paulin et al. but used the following language:

The only material question involved in this appeal is, whether the arrangement of the openings of a game board disposed at equal intervals from each other and in acrostic rows, involves invention over the geometric arrangement of the openings of Rentz or Mendes et al.

We have duly considered appellant's argument but in our opinion the difference is merely one of choice rather than of invention.

We agree with the tribunals of the Patent Office that arranging the ball openings in the manner called for by the claim does not involve invention, and that appellant's said claim 7 is not patentable over the prior art cited.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE EITZEN

No. 3,706. Decided December 21, 1936

[86 F.(2d) 759]

1. PATENTABILITY—NOT MEASURED BY COMPARISON OF REJECTED CLAIMS WITH ALLOWED CLAIMS.

"* * * this and other courts many times have announced the rule that rejected claims may not properly be measured by allowed claims in order to determine patentability of the former, but must be considered in the light of their own limitations or lack of limitations."

2. SAME—TICKER.

Certain claims for a ticker *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Gustav Drews and *Mr. Hans V. Briesen* for Eitzen.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

Appellant's application for patent here involved relates to ink drying means for stock quotation projecting machines. Several claims stand allowed but claims numbered 11 and 12 were rejected by an Examiner of the United States Patent Office whose decision was affirmed by the Board of Appeals. By appeal from the decision of the latter, appellant brings the matter to us for review.

The appealed claims read:

11. The combination with a ticker adapted to produce inked impressions on a tape prior to its discharge from said ticker, of a heat retaining and tape protecting housing, heating means associated with said housing to dry the inked impressions on the tape during its passage through said housing, and a tape pulling mechanism for drawing the tape through said housing as it is discharged by said ticker.

12. The combination with a ticker adapted to produce inked impressions on a tape prior to its discharge from said ticker, of an inspection location where the tape may be handled, a heating device for drying the inked impressions on the tape before arriving at said inspection location so that the tape may be protected from being smeared, and a tape pulling device for drawing the tape through said heating device to said inspection location.

One reference was cited, being a patent to James W. Decker, No. 1,839,468, issued January 5, 1932.

The elements of appellant's combination relied upon by him to render the appealed claims patentable are (a) the heat retaining housing and (b) the heating means associated therewith, plus, as definitely expressed in claim 12, (c) "an inspection location where the tape may be handled."

The patent to Decker relates to tape control and tape treating means. It discloses an element designated in the specification as a "bath" which washes the ink from the tape as the tape passes therethrough, and a heating chamber through which the tape passes and is dried after having been washed in the bath. It is declared in the statement of the Examiner that

"all tape projecting devices are necessarily provided with inspection locations where the tape may be handled in threading the machines,"

and, as to the Decker patent, points are indicated where inspections of the tape may be made; further, it is said by the Examiner that the inspection location feature of appellant is included in some of the allowed claims.

The above mentioned features of Decker are not claimed in his patent, and the decision of the Board states that

"the patent to Decker relied upon by the Examiner does not directly show a device anticipating these [appellant's] claims."

The Examiner also said, in substance, that Decker's device as embodied in the features above described "is intended for another purpose." Both tribunals agreed, however, in the holding that, as expressed by the Board:

* * * it is considered that in view of the showing in Decker, of means for drying a traveling film, if desired, in combination with a tape printing ticker mechanism and projecting device, * * * it would be obvious to one skilled in the art to broadly associate a drier with a ticker tape if thought convenient or necessary to prevent smudging. * * *

Before us it is argued on behalf of appellant, that he

"seems to have been the first to have taken any steps in the direction of compelling wet printer's ink to be reduced to a dry condition on a tape before the same is handled manually by the broker or his customers or before it is dealt with mechanically as by a tape pulling mechanism."

It is said that in moist climates (for example, "in New Orleans throughout the year and in New York, especially in August,") where the ink is slow to dry, much annoyance is caused those who handle the tape before the inked figures thereon are dried, as well as those who may wish to read the figures subsequent to the tape being so handled, because of the smudging which takes place; and it is urged that appellant by his device solved a problem for which he is entitled to reward as an inventor.

Much emphasis is placed by appellant on the "inspection location" feature, as expressed definitely in claim 12, supra, and it is urged that from the finding of patentability as to the allowed claims, it would seem to follow that "he should be clearly entitled to allowance of corresponding claims which do not require the projecting device * * *." In this connection it is said in appellant's brief that appellant's "inspection location," as defined in his application, "very definitely is the location to the left of the outlet opening in the housing * * *." As to this latter contention, it may here be said that the claim definitely mentioning this feature (No. 12, supra), does not, of itself, limit the "location" to any specified point.

Appellant insists the described device of Decker was not intended to and does not dry the ink and that it cannot be reconstructed to do so "without creating a condition that would directly conflict with the problem sought to be solved by the Decker patent."

The issue seems to us to be quite a narrow one, while the appealed claims taken as a whole are rather broad in scope.

We have not attempted any minute analysis of the allowed claims, since they are not of interest here, but a casual inspection of them indicates that appellant has been allowed several that are limited to the features and arrangement described in his application. His specific structure would seem to be protected in the allowed claims.

[1] However this may be, this and other courts many times have announced the rule that rejected claims may not properly be measured by allowed claims in order to determine patentability of the former, but must be considered in the light of their own limitations or lack of limitations. In the case of *In re Borden*, 21 C. C. P. A. (Patents) 915, 918, 68 F.(2d) 983, 444 O. G. 761, it was said:

We are not here concerned with the allowed claims. It is presumed that they were allowed by reason of lim-

itations contained in them which defined patentability over the prior art in a manner not defined in the claims rejected.

[2] We are not convinced that there was error in the decisions rejecting the appealed claims for the reasons given by the tribunals of the Patent Office.

The decision of the Board of Appeals is affirmed. Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE EITZEN

No. 3,707. Decided December 7, 1936

[86 F.(2d) 411]

PATENTABILITY—PROJECTING APPARATUS.

Certain claims of an application for projecting apparatus *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Gustav Drews and *Mr. Hans V. Briesen* for Eitzen.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.:*

Appellant has filed in the United States Patent Office an application for patent entitled "For Tape Printing and Projecting Apparatus."

Twelve claims were allowed, but the Examiner rejected claims 13, 14, 15, and 16 upon the ground that the same lacked patentability in view of the prior art. Upon appeal the Board of Appeals affirmed the decision of the Examiner rejecting said claims, and from such decision of the Board this appeal was taken.

Claim 13 is illustrative of the claims before us and reads as follows:

13. Projecting apparatus of the character described comprising a single source of light and a plurality of light apertures therefor, a pair of rear projection screens facing in inspection areas spaced from one another, means for successively drawing marked tape across said light apertures with the printed matter of the successive tape portions facing in opposite directions to produce image impressed light beams, and means for projecting such image impressed light beams onto the rear faces of said screens, said latter means including a plurality of mirrors and an objective lens unit for each light aperture disposed within the area located behind said screens and between said inspection areas.

The references relied upon are as follows: Gallo et al., (French), 456,917, June 30, 1913; Daine, 1,664,772, April 3, 1928; Dirkes, 1,684,309, September 11, 1928.

Appellant's alleged invention is described by the Board of Appeals as follows:

The subject matter of the appealed claims relates to tape printing and projecting devices. Broadly, the apparatus is suitable for use in stockbrokers' offices to project the data as received upon ticker tape on screens which may be of the translucent type so that they may be read by a number of persons. Broadly, applicant provides two screens 72—75 facing in opposite directions and provides two projecting cones or apertures so arranged that the tape travels first over one aperture and the data is projected upon one screen then is turned about to a parallel path and travels over the second projecting aperture and the data is projected upon the second screen.

The patent to Gallo et al. is the principal reference relied upon by the Patent Office tribunals. It relates to motion picture machines and discloses an arrangement for projecting a plurality of images from a motion picture film drawn successively across four spaced projection apertures. A single light source is provided, and through the use of mirrors three of the projections are thrown upon screens, while one of the projections is thrown upon a screen without the use of mirrors.

The patent to Dirkes discloses marked transparent ticker tape, means for feeding the tape horizontally over a support, and means, including mirrors, for projecting an image from the tape to a vertically extending translucent screen.

The patent to Daine shows a ticker from which transparent tape is fed horizontally over a projection aperture, below which is a light source, and condensing lenses for directing light through the tape and through a projection lens to a reflector, and then on to a translucent screen. Neither of the two last named patents embraces multiple projection of images.

The Examiner rejected all of the claims included in the appeal on Gallo et al. alone, and said claims were further rejected as unpatentable over Gallo et al. in view of either Dirkes or Daine.

These last two patents were relied upon principally to illustrate the projection of data from ticker tape to an elevated screen.

The Board of Appeals expressly approved all of the reasons given by the Examiner for the rejection of the claims.

Appellant has been allowed claims embracing specific structure set out in his application, and the claims before us are much broader than are the claims allowed.

Considering that single projections of images of successive markings from a ticker tape are shown in the prior art, and that Gallo et al. show multiple projections of motion picture images from a single light source, we are constrained to hold that one skilled in the art, with the references before him, could produce appellant's combinations without the exercise of invention.

Appellant, however, contends that Gallo et al. disclose an inoperative device, and that said patent is therefore not available as a reference, appellant asserting that some of the images projected according to the drawings in the patent would be upside down and reversed upon the screen. There is sharp conflict between the Examiner and appellant upon this point. However this may be, we are in accord with the decision of the Board of Appeals wherein it is stated:

• • • The details in the appealed claims concerning particular directions of reflection of the light beam and reversal of image by a lens system is regarded as not constituting invention in this relation. These details are only elementary optical features depending on mere choice of direction and where it is desired to display the projected view.

Appellant calls attention to the fact that Gallo et al. is a foreign patent and cites our decision in the case of *In re Gillam*, 17 C. C. P. A. (Patents) 877, 37 F.(2d) 959, 395 O. G. 1135, wherein we said:

• • • In the case of foreign patents it has been held that they can not be measured as anticipatory by what might be made out of them, but only what is clearly and definitely expressed in them. • • •

However, in the case of *In re Crowley*, 22 C. C. P. A. (Patents) 881, 74 F.(2d) 753, 455 O.G. 5, we said:

It is quite true that under many authorities a certain distinction has been declared between foreign and domestic patents when used as references, but certainly there is no authority which holds that what is clearly disclosed in a foreign patent may not be combined with the disclosures of other patents to negative patentability. The rule is to the contrary. *In re Cross*, 20 C. C. P. A. (Patents) 710, 62 F.(2d) 182.

As a matter of fact, the patent to Gallo et al. was relied upon by the Patent Office tribunals for what it clearly discloses, viz., a multiple projection of images from a single light source; and if, as appellant contends, it is inoperative so far as the position of the images upon the screens is concerned, it is obvious that one skilled in the art could readily, and without the exercise of invention, make the same operative in view of the other references cited. *Robbins* v. *Steinbart*, 19 C. C. P. A. (Patents) 1069, 57 F.(2d) 378, 421, O. G. 229.

We find no error in the decision of the Board of Appeals and it is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,129,942, H. D. Arnold, Gaseous repeater in circuits of low impedance; 1,465,332, same, Vacuum-tube amplifier, appeal filed Jan. 21, 1937, C. C. A., 3d Cir., Doc. 6339–6342, *Biophone Corp.* v. *Western Electric Co. et al.*

1,260,875, 1,260,989, G. W. Cravens, Electric arc welding or brazing; 1,589,017, J. C. Lincoln, Method and means for electric arc welding, D. C., S. D. N. Y., Doc. E 63/138, *The Lincoln Electric Co.* v. *A. O. Smith Corp.* Dismissed without prejudice (notice Feb. 15, 1937).

1,260,989. (See 1,260,875.)

1,272,056, C. F. Kettering, Ignition system; 1,286,803, H. G. Schwarze, Hydrocarbon motor; 1,305,165, W. H. Ratcliff, Circuit breaker; 1,556,901, C. E. Berkdoll, Ignition device; 1,557,207, 1,593,339, F. C. Kroeger, same; 1,687,040, W. D. Schrope, same; 1,825,720, J. T. Fitzsimmons, Ignition timer; Re. 18,276, C. H. Kindl, same, D. C., S. D. N. Y., Doc. E 74/1, *General Motors Corp.* v. *National Ignition Sales Co., Inc.* Dismissed for lack of prosecution (notice Feb. 3, 1937).

1,286,803. (See 1,272,056.) 1,305,165. (See 1,272,056.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus; 1,593,791, C. G. Butler, same, D. C., S. D. N. Y., Doc. E 79/20, *Stewart-Warner Corp.* v. *L. Nath.* Consent decree granting injunction (notice Feb. 16, 1937).

1,307,734. (See 1,307,733.)

1,390,267, C. F. Arnold, Machine for making and applying tufts, appeal filed Mar. 19, 1937, C. C. A., 2d Cir., Doc. —, *E. L. Mansure Co.* v. *Consolidated Trimming Corp.*

1,431,260, 1,483,522, H. Rosen, Button making machine; 1,536,530, same, Button; 1,566,973, same, Ornamental device; 1,549,806, Rosen & Salzburg, Trimming, D. C., S. D. N. Y., Doc. E 77/147, *B. Salzburg et al.* v. *M. Bricker* (*Star Regal Button Co.*). Dismissed for lack of prosecution (notice Feb. 1, 1937).

1,465,332. (See 1,129,942.) 1,472,897. (See 1,963,665.)

1,475,980. (See 1,307,733.)

1,481,962, J. W. Irvin, Valve-in-head motor, C. C. A., 8th Cir. (St. Louis), Doc. 10755, *J. W. Irvin* v. *Buick Motor Co. et al.* Decree affirmed Mar. 16, 1937.

1,483,522. (See 1,431,260.)

1,507,891, C. D. Parks, Composition of matter for carroting fur and the like; 1,507,892, same, Treated fur and art of treating same, D. C. Conn. (New Haven), Doc. E 2290, *American Hatters & Furriers Co., Inc.*, v. *E. F. Hickey, Jr., et al.* Stricken from docket for lack of prosecution Feb. 9, 1937.

1,507,892. (See 1,507,891.) 1,536,530. (See 1,431,260.)

1,549,806. (See 1,431,260.) 1,556,901. (See 1,272,056.)

1,557,207. (See 1,272,056.)

1,564,378, H. Stein et al., Bleached and dyed furs; 1,573,200, same, Process of bleaching and dyeing furs, D. C., S. D. N. Y., Doc. E 84/309, *Steinfur Patents Corp.* v. *Polar Fur Dyeing Co., Inc., et al.* Consent decree for plaintiff (notice Feb. 13, 1937.)

1,566,973. (See 1,431,260.) 1,573,200. (See 1,564,378.)

1,583,315. (See 1,722,824.) 1,589,017. (See 1,260,875.)

1,593,339. (See 1,272,056.) 1,593,791. (See 1,307,733.)

1,646,218. (See 1,722,824.)

1,655,003, 1,664,719, G. C. Woodford, Apparatus for supplying air under pressure, D. C., E. D. Wis. (Milwaukee), Doc. 3603, *Service Station Equipment Co.* v. *Romort Mfg. Co. et al.* Dismissed for want of equity Feb. 18, 1937.

1,664,719. (See 1,655,003.)

1,669,790, Sheridan & Jacobson, Stocking protector, D. C. R. I., Doc. E 528, *F. B. Sheridan et al.* v. *Capitol Heel Lining Co. et al.* Dismissed Mar. 18, 1937.

1,670,904. (See 1,722,824.)

1,680,421, J. W. Lewis, Jr., Fractional distillation, appeal filed Aug. 6, 1936, C. C. A., 3d Cir., Doc. 6213, *Atlantic Refining Co.* v. *J. B. Berry Sons Co.*

1,687,040. (See 1,272,056.)

1,722,824, J. H. Roethel, Automobile ventilating device; 1,722,825, same, Roof ventilator for closed automobile bodies; 1,583,315, same, Automatic automobile shutter and lock; 1,646,218, same, Window operating mechanism; 1,670,904, same, Two turn window lift; 1,791,147, same, Window controller; Re. 19,365 (of 1,931,738), same, Window regulator; Re. 19,579 (of 1,974,196), same, Window control mechanism; 1,986,532, 2,008,517, 2,052,800, 2,066,056, 2,066,057, 2,033,788, 1,980,501, same, Window regulator; 1,987,128, same, Rear quarter window regulator, filed Feb. 20, 1037, D. C., E. D. Mich. (Bay City), Doc. 592, *D. P. Lavictes* v. *Ferro Stamping & Mfg. Co., et al.*

1,722,825. (See 1,722,824.)

1,727,095, L. Bleriot, Aerial advertising and signaling device; 1,794,828, same, Aerial advertising and signaling; 1,901,855, M. S. DuPont, Aerial banner, D. C., S. D. N. Y., Doc. E 78/184, *Kellett Autogiro Corp.* v. *Gilbert Flying Service, Inc., et al.* Dismissed for lack of prosecution (notice Feb. 1, 1937).

1,781,139, C. Talley, Hospital chart and card holder; 1,888,811, same, Hospital chart and identification card holder, D. C., S. D. N. Y., Doc. E 79/169, *C. Talley* v. *The Presbyterian Hospital, N. Y.* Consent order of discontinuance (notice Feb. 19, 1937).

1,783,807, J. A. Martocello, Ice-making system and method of obtaining dry air; 1,994,226, same, Drop tube and bracket, filed Feb. 24, 1937, D. C., N. D. Ala. (Birmingham), Doc. 917, *J. A. Martocello* v. *W. A. Kelley* (*Kelley's Ice Factory*).

1,791,147. (See 1,722,824.) 1,794,828. (See 1,727,095.)

1,825,720. (See 1,272,056.)

1,840,012, O. Behimer, Apparatus for making gasoline; 1,883,850, same, Process for making gasoline, D. C. Kans. (Wichita), Doc. 862–N, *The Texas Co.* v. *Kanotex Refining Co.* Dismissed (notice Feb. 18, 1937).

1,883,850. (See 1,840,012.) 1,888,811. (See 1,781,139.)

1,901,855. (See 1,727,095.)

1,908,965, T. S. Dowst, Packing structure; 2,008,664, same, Package, D. C., S. D. N. Y., Doc. E 84/235, *Dowst Mfg. Co.* v. *Liggett Drug Co., Inc.* Consent order of discontinuance (notice Feb. 25, 1937).

1,912,780, C. F. Lautz, Oscillatory joint; 1,936,556, same, Link; 1,940,258, same, Connecting link, D. C., N. D. Iowa, E. Div., Doc. 243, *Houde Engineering Corp.* v. *D. Seigel* (*Seigel Battery Mfg. Co.*). Consent decree granting injunction Feb. 17, 1937.

1,913,386, F. A. Hansen, Vertical retort furnace, 2,012,165, F. A. Hansen et al., Heat treating in circulatory gases, filed Feb. 15, 1937, D. C., E. D. Wis. (Milwaukee), Doc. 5050, *Hevi Duty Electric Co.* v. *Walker Mfg. Co.*

1,931,738. (See 1,722,824.) 1,932,274. (See 2,039,171.)

1,936,556. (See 1,912,780.) 1,940,258. (See 1,912,780.)

1,963,665, R. G. Le Tourneau, Scraper; 1,472,897, C. E. Anderson, Steel newel post, D. C., S. D. Calif. (Los Angeles), Doc. E 687, *R. G. Le Tourneau* v. *Mack Wooldridge Co., Inc.* Consent decree for plaintiff, injunction Jan. 26, 1937.

1,974,196. (See 1,722,824.) 1,980,501. (See 1,722,824.)

1,986,532. (See 1,722,824.) 1,987,128. (See 1,722,824.)

1,993,173. (See Re. 20,133.) 1,994,226. (See 1,783,807.)

2,003,788. (See Re. 19,579.) 2,008,517. (See 1,722,824.)

2,008,664. (See 1,908,965.) 2,012,165. (See 1,913,386.)

2,019,796, W. C. Phillips, Portable car cooler; 2,027,834, same, Car cooling device, filed Feb. 20, 1937, D. C., E. D. La. (New Orleans), Doc. E 465, *Phillips Refrigeration Products, Inc.*, v. *J. Demarco.* Doc. E 466, *Phillips Refrigeration Products, Inc.*, v. *S. Depaulo.*

2,027,834. (See 2,019,796.) 2,033,788. (See 1,722,824.)

2,039,171, J. Kublanow, Wall tie; Re. 20,116 (of 1,932,274), same, Sidewall mounting structure, filed Feb. 23, 1937, D. C., W. D. Pa., Doc. E 3272, *J. Kublanow et al.* v. *Starlock Mfg. Co.*

2,052,800. (See 1,722,824.) 2,058,159. (See Re. 20,133.)

2,060,233, Mathey & Lewis, Measure meter; Re. 20,191, same, Method of and apparatus for placing explosive charges, filed Feb. 15, 1937, D. C., N. D. Okla. (Tulsa), Doc. E 1190, *C. A. Mathey et al.* v. *F. Mathey.*

2,066,056. (See 1,722,824.) 2,066,057. (See 1,722,824.)

Re. 18,276. (See 1,272,056.)

Re. 18,841, J. Mayer, Hair waving method; Re. 18,852, same, Hair waving appliance, filed Feb. 11, 1937, D. C., S. D. Calif. (Los Angeles), Doc. E 1111–M, *The Philad Co.* v. *W. N. Vanatta* (*Vanatta Mfg. Co.*).

Re. 18,852. (See Re. 18,841.) Re. 19,365. (See 1,722,824.)

Re. 19,579. (See 1,722,824.) Re. 20,116. (See 2,039,171.)

Re. 20,133, 1,993,173, P. H. Kuyper, Venetian blind construction; Des. 98,260, same, Combined Venetian blind and housing therefor; 2,058,159, same, Venetian blind structure, D. C., E. D. N. Y., Doc. E 8170, *Rolscreen Co.* v. *F. Weissfeld et al.* Consent decree for plaintiff Feb. 25, 1937.

Re. 20,191. (See 1,260,233.)

Des. 91,504, J. S. Stein, Bottle; Des. 92,827, same, Container, D. C., S. D. N. Y., Doc. E 79/202, *Lucien Lelong, Inc.*, v. *Dermay Perfumers, Inc.* Decree for plaintiff (notice Feb. 17, 1937).

Des. 92,827. (See Des. 91,504.) Des. 98,260. (See 20,133.)

Adjudicated Patents

(D. C. Ohio.) Paine patent, No. 1,580,075, for automobile running board, claims 1 and 2 *Held* invalid. *Paine & Williams Co.* v. *Trump Products Co.*, 18 F. Supp. 103.

(D. C. Md.) Ingle patent, No. 1,583,046, for leer for annealing glassware, claim 5 *Held* not infringed. *Hartford-Empire Co.* v. *Swindell Bros.*, 18 F. Supp. 191.

(C. C. A. Mich.) Edelman patent, No. 1,680,370, for radio power-supply unit, claims 1, 2, and 3 *Held* not infringed. *Banning* v. *Sears, Roebuck & Co.*, 88 F.(2d) 45.

(D. C. Wis.) Bauer patent, No. 1,794,358, for pad-making machine, claims 1, 5, 14, 19, 20, 21, and 31 *Held* valid and infringed. *International Cellucotton Products Co.* v. *Diana Mfg. Co.*, 18 F. Supp. 54.

(D. C. Wis.) Bauer patent, No. 1,794,358, for pad-making machine, claims 1, 5, 14, 20, 21, and 31 *Held* valid and infringed, and claim 19 *Held* not infringed. *International Cellucotton Products Co.* v. *Sterilek Co.*, 18 F. Supp. 55.

(D. C. Mass.) Griffiths patent, No. 1,838,618, for plastic composition, *Held* valid and infringed. *A. S. Boyle Co.* v. *Harris-Thomas Co.*, 18 F. Supp. 177.

(D. C. Md.) Mulholland patent, No. 1,840,463, for method of and apparatus for annealing glassware, claims 1 to 5, inclusive, *Held* not infringed. *Hartford-Empire Co.* v. *Swindell Bros.*, 18 F. Supp. 191.

(C. C. A. Ill.) Capezio patent, No. 1,872,641, for ballet slipper and manufacture of same, *Held* invalid, but if valid, infringed. *Capezio* v. *Chicago Theatrical Shoe Co.*, 88 F.(2d) 77.

(C. C. A. Tex.) Simmons patent, No. 1,930,987, for method and apparatus for testing the productivity of formations encountered in wells, claims 8 to 19 *Held* invalid, and other claims held not infringed. *Johnston Formation Testing Corporation* v. *Halliburton*, 88 F.(2d) 270.

(D. C. Calif.) Simmons patent, No. 1,930,987, for method and apparatus for testing the productivity of formations encountered in wells, *Held* not infringed if valid; claims 8 and 18 *Held* invalid. *Halliburton* v. *Honolulu Oil Corporation*, 18 F. Supp. 58.

(D. C. Mich.) Thornton patent, No. 2,047,088, for auxiliary drive axle attachment for motor vehicles, claims 4 to 12 *Held* invalid but, if valid, infringed. *Patent Developers* v. *Gear Grinding Mach. Co.*, 17 F. Supp. 734. (To correct notice published April 20, 1937, which stated "if valid, not infringed".)

(C. C. A. N. Y.) Hibbard reissue patent, No. 17,180, for method and means for starting synchronous motors, claims 1 to 3, 6 to 9, 12 to 15, 20, 21, 40, and 43 *Held* valid and claims 8, 12, and 40 infringed; and other claims not infringed. *Electric Machinery Mfg. Co.* v. *General Electric Co.*, 88 F.(2d) 11.

(D. C. Md.) Mulholland reissue patent, No. 17,263, for method and apparatus for annealing glassware, claims 1, 2, 7, 8, 44, 45, 46, 49, 50, 51, 52, and 53 *Held* not infringed. *Hartford-Empire Co.* v. *Swindell Bros.*, 18 F. Supp. 191.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 11, 1937

[VOL. 478. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 384,454. CARLETON ELLIS, Montclair, N. J., assignor to Ellis Laboratories, Inc., Montclair, N. J., a Corporation of New Jersey. Filed Oct. 17, 1936.

UROX

For Synthetic Resin Composition in Powder or Non-Liquid Form.

Claims use since June 11, 1936.

Ser. No. 389,319. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Feb. 24, 1937.

Alkydon

For Artificial Resins in the Form of Solids, Solutions, or Emulsions Suitable for Various Uses in the Industrial Arts.

Claims use since Nov. 17, 1936.

Ser. No. 389,320. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Feb. 24, 1937.

Lutonal

For Artificial Resins in the Form of Solids, Solutions, or Emulsions Suitable for Various Uses in the Industrial Arts.

Claims use since Nov. 17, 1936.

Ser. No. 389,809. UNIVERSAL PLASTICS CORPORATION, New Brunswick, N. J. Filed Mar. 8, 1937.

UNIPLAST

For Synthetic Phenol-Formaldehyde Resin Molding Powder.

Claims use since Dec. 14, 1936.

CLASS 2

Receptacles

Ser. No. 388,072. SCHOEMANN & MAYER, INC., New York, N. Y. Filed Jan. 22, 1937.

SANDAM

For Bird Cages, Stands, and Incidental Equipment for Bird Cages.

Claims use since Jan. 1, 1928.

Ser. No. 389,236. D. D. MANUFACTURING, INC., Cleveland, Ohio. Filed Feb. 23, 1937.



The representation of the goods is disclaimed apart from the mark.

For Receptacle for Food and Drink for Domestic Animals.

Claims use since Feb. 5, 1937.

Ser. No. 389,932. NATIONAL PECTIN PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 11, 1937.

Rolette

For Manilla Board Tubular Containers for Packaging Frozen Confections.

Claims use since October, 1936.

Ser. No. 390,778. CASKET APPLIANCE CORPORATION, New York, N. Y. Filed Apr. 1, 1937.

ADJUSTAREST

For Caskets.
Claims use since Feb. 17, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 390,074. LA SALLE HANDBAG CO., INC., New York, N. Y. Filed Mar. 15, 1937.



No claim is made to the representation of the goods per se and to the words "Frame", "to open", and "to left" apart from the mark shown.
For Ladies' Handbags and Handbag Frames.
Claims use since Feb. 3, 1937.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 376,176. MERCK & CO. INC., Rahway, N. J. Filed Mar. 19, 1936.

Sovereign



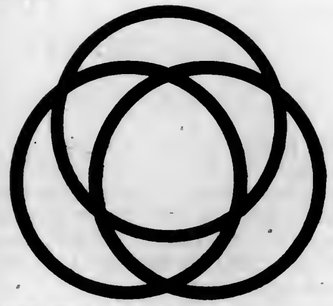
For Volatile Fluid for Dry Cleaning Upholstery and Other Textile Materials.
Claims use since Jan. 24, 1936.

Ser. No. 386,971. WALTER TRIBBLE, Oakland, Calif. Filed Dec. 19, 1936.

LUSTOL

For General Household Cleanser and Detergent—Namely, a Wet Cleaner, and a Water-Wax Compound for Cleaning and Polishing Shoes, and the Like.
Claims use since Nov. 1, 1936.

Ser. No. 387,387. ZEMBEY MIWA, Tokyo, Japan. Filed Jan. 2, 1937.



For Soaps, Especially Toilet Soap.
Claims use since January, 1908.

Ser. No. 388,105. THE NU-DI PRODUCTS COMPANY, Cleveland, Ohio. Filed Jan. 23, 1937.

Snapee

For White Shoe Cleaner.
Claims use since Jan. 5, 1937.

Ser. No. 389,975. BOSTONIA PRODUCTS CO., Boston, Mass. Filed Mar. 12, 1937.

SKINSURANCE

For Paste-Like Toilet Soaps.
Claims use since Mar. 1, 1937.

Ser. No. 390,263. CHAMPION CHEMICAL WORKS, INCORPORATED, New York, N. Y. Filed Mar. 19, 1937.

WEALTH

For Cleaning Compound for Porcelain, Enamel, and the Like.
Claims use since Feb. 17, 1937.

Ser. No. 390,273. HEI-HO PRODUCTS CORPORATION, City Island, New York, N. Y. Filed Mar. 19, 1937.

HEI-HO

For Soap in Liquid and Paste Form for the Hands, as well as for General Cleaning Purposes.
Claims use since Sept. 25, 1936.

Ser. No. 390,284. R. R. STREET & CO. INC., Chicago, Ill. Filed Mar. 19, 1937.



For Dry Cleaning Compounds.
Claims use since Mar. 4, 1937.

Ser. No. 390,377. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Mar. 22, 1937.

PENSAL

For Dry Alkaline Detergents in Granular Form to Neutralize the Acid Components of Dirt and Thus Act as a Soap Builder by Increasing the Detergent Value of the Soap.
Claims use since Feb. 10, 1937.

CLASS 5

Adhesives

Ser. No. 390,224. ALBERT H. MITCHELL, Bellerose, Long Island, N. Y. Filed Mar. 18, 1937.

CE-LOC

For Liquid Cements for Leather, Metal, Glass, Wood, and Similar Materials.
Claims use since Mar. 11, 1937.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 369,431. PHOEBE CAMPBELL, Montreal, Quebec, Canada. Filed Sept. 17, 1935.

NATISOL

For Perfume Preparation for Use in the Bath.
Claims use since June 21, 1935.

Ser. No. 371,408. ALPHONSE ANTONI, doing business as Hamatic Manufacturing Co., Gary, Ind. Filed Nov. 11, 1935.



For Preparation for the Treatment of Sores, Blood, Leucorrhea, Gonorrhea, Swollen Glands, Rheumatism, Bronchial Troubles, Asthma, Sinus, Catarrh, Kidneys, Constipation, Headaches, a Liniment Beneficial in Pains in the Joints, Muscles, and Limbs and for Bruises, a Hair Grower, and Perfumes.
Claims use since May, 1931.

Ser. No. 376,175. MERCK & CO. INC., Rahway, N. J. Filed Mar. 19, 1936.

Sovereign



For Aluminum Radiator Anti-Leak Cement, a Motor Priming Ether, and a Chemical Solution Used as a Radiator and Engine Cleaner.
Claims use since Jan. 24, 1936.

Ser. No. 377,079. FARMACEUTICKÉ ZÁVODY "NORGINE" AKC. SPOL., Prague, Czechoslovakia. Filed Apr. 10, 1936.

PROFUNDOL

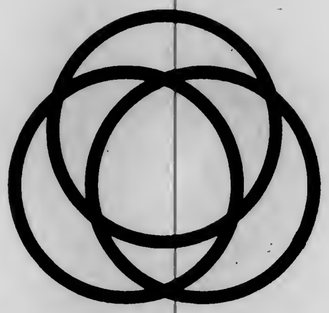
For Sleep Inducing Preparations, Narcotics, Analgesics, Perfumes, and Disinfectants.
Claims use since June, 1929.

Ser. No. 377,489. WISHNICK-TUMPEER, INC., Chicago, Ill. Filed Apr. 21, 1936.

STEARITE

For Certain Chemicals—Namely, Hydrogenated Stearine of Fish Oil.
Claims use since Jan. 15, 1932.

Ser. No. 387,388. ZEMBEY MIWA, Tokyo, Japan. Filed Jan. 2, 1937.



For Cod Liver Oil in the Form of Capsules and Concentrated Cod Liver Oil.
Claims use since January, 1908.

Ser. No. 388,078. HUGO WITTMAN, doing business as Home Helpers Co., Buffalo, N. Y. Filed Jan. 22, 1937.

Dutch Maid

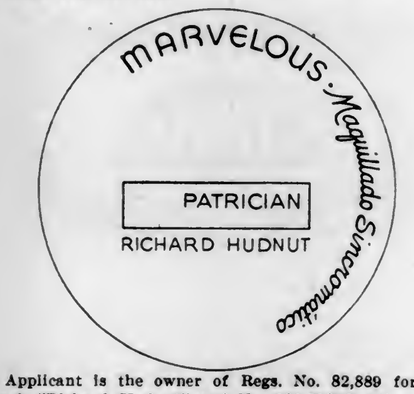
For Chemical Substance for Aiding in the Cleaning of Tanks, Bowls, and Traps of Toilets.
Claims use since January, 1933.

Ser. No. 388,769. CHRYSON'S LTD., doing business as Chryson, Los Angeles, Calif. Filed Feb. 11, 1937.



The words "Sun Filter Cream" are disclaimed apart from the mark.
For Liquid Cream to Prevent Sun Burn.
Claims use since Jan. 9, 1937.

Ser. No. 388,836. RICHARD HUDNUT, New York, N. Y. Filed Feb. 12, 1937.



Applicant is the owner of Regs. No. 82,889 for the mark "Richard Hudnut" and No. 101,392 for the mark "Marvelous". The word "Maquillado" apart from the mark shown and also the representation of the label are disclaimed.
For Lipstick, Rouge, Face Powder, Eye Shadow, and Mascara.
Claims use since June 25, 1936.

Ser. No. 388,853. L. SONNEBORN SONS, INC., New York, N. Y. Filed Feb. 12, 1937.

PETRONATE

For Dispersing Agent for Use in the Manufacture of Emulsified Preparations Such as Soluble Oil Emulsions, Textile Emulsions and Insecticidal Spray Emulsions.
Claims use since Jan. 18, 1937.

Ser. No. 388,912. COLONY LABORATORIES, INC., New Haven, Conn. Filed Feb. 15, 1937.



The words "Dandruff goes Hair grows" are disclaimed apart from the mark.
For Preparation for the Treatment of Dandruff.
Claims use since June 1, 1936.

Ser. No. 389,204. THE HOUSE OF WESTMORE, Los Angeles, Calif. Filed Feb. 20, 1937.

Stylists to the Stars

For Cosmetics, Manicuring, and Toilet Preparations—Namely, Face Powder, Lipstick, Eye Shadow, Cream Rouge, Dry Rouge, Eyebrow Pencil, Powder Base, Cleansing Creams, Cold Cream, Night Cream, Muscle Cream, Mascara, Liquid Make-Up, Liquid Powder, Deodorants, Bath Powder, Bath Salts, Perfumes, Toilet Waters, Hand Lotions, Hand Oil, Permanent Wave Solution, Shampoos, After-Shaving Lotions, Astringent, Skin Freshener, Talc, Bleaches, Dyes, Hair Rinses, Cuticle Remover, Nail Polish, Polish Remover.
Claims use since May 15, 1935.

Ser. No. 389,519. THE HUFFMAN CHEMICAL CORPORATION, Bedford Hills, N. Y. Filed Mar. 1, 1937.

VIRICIDE

For Preparation to Protect Plants Against Blights.
Claims use since Feb. 23, 1937.

Ser. No. 389,528. REXAIR, INC., Detroit, Mich. Filed Mar. 1, 1937.

REXSAN

For Germicide.
Claims use since Feb. 19, 1937.

Ser. No. 389,631. THE BLACK FLAG COMPANY, Baltimore, Md. Filed Mar. 4, 1937.



Apart from the words "Black Flag" no claim is made to the wording on the drawing apart from the mark shown.
For Insecticides.
Claims use since Feb. 1, 1937.

Ser. No. 389,662. E. R. SQUIBB & SONS, New York, N. Y. Filed Mar. 4, 1937.

Procholon

For Cholagogues and Choleretics.
Claims use since Feb. 23, 1937.

Ser. No. 389,671. OSCAR C. W. BORO, Long Beach, Calif. Filed Mar. 5, 1937.



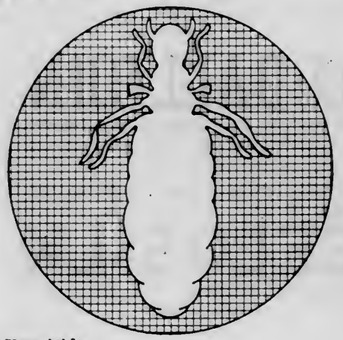
For Laxative Tablets.
Claims use since Feb. 6, 1937.

Ser. No. 389,691. OLIVOINT CHEMICAL COMPANY, San Francisco, Calif. Filed Mar. 5, 1937.



For Medicinal Compound Including Olive Oil and Other Active Ingredients, Recommended for Relief of Superficial Burns, Scalds, Chafing, Poison Oak, Itching, and Other Minor Irritations of the Skin.
Claims use since Oct. 16, 1904.

Ser. No. 389,701. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed Mar. 5, 1937.



For Vermicide.
Claims use since Apr. 19, 1935.

Ser. No. 389,754. S. M. LABORATORIES, INC., Seattle, Wash. Filed Mar. 6, 1937.

CERENE

For Preparation for Feminine Hygiene.
Claims use since Oct. 12, 1933.

Ser. No. 389,761. HERBERT F. NUSBAUM, New York, N. Y. Filed Mar. 4, 1937.

UVIOLATUM

For Irradiated and Ozonated Solid and Liquid Petrolatum.
Claims use since Nov. 15, 1932.

Ser. No. 389,795. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 8, 1937.

CRYSTO-VIBEX

For Preparation of Psyllium Seed with Vitamin B.
Claims use since Feb. 24, 1937.

Ser. No. 389,848. PARKER RUST-PROOF COMPANY, Detroit, Mich. Filed Mar. 9, 1937.

FERRISOL

For Metal Cleaning Compound Particularly Suitable for Chemically Removing Rust.
Claims use since Jan. 29, 1937.

Ser. No. 389,894. VAN PATTEN PHARMACEUTICAL CO., Chicago, Ill. Filed Mar. 10, 1937.

Allimia

For Medicinal Preparation Containing Essence of Garlic and Parsley Recommended for the Symptomatic Relief of Hyperplesia and in the Treatment of Arterial Hypertension.
Claims use since August, 1934.

Ser. No. 389,970. AMFRE DRUG COMPANY, INC., New York, N. Y. Filed Mar. 12, 1937.

CODALTOIN

For Ointment for Treatment of Skin Disease.
Claims use since Nov. 2, 1936.

Ser. No. 389,981. EATON-CLARK COMPANY, Detroit, Mich. Filed Mar. 12, 1937.

CELOSILK

For Dyes and Dyestuffs.
Claims use since January, 1928.

Ser. No. 390,030. N. B. STALL, doing business as Tonsil E-Z-E Laboratories, Ada, Okla. Filed Mar. 13, 1937.

TONSIL E-Z-E



The words "Tonsil E-Z-E" are disclaimed apart from the mark.
For Liquid Preparation for Use in the Treatment of Tonsilitis.
Claims use since Mar. 1, 1937.

Ser. No. 390,123. RENÉ LOUBATIE, doing business as Laboratoires de L'Ostreiode, Arcachon, France. Filed Mar. 16, 1937.

Ostreïode

For Iodized Sea Water Containing Assimilable Iodine for the Treatment of All Conditions Caused by a Deficiency of Iodine.
Claims use since Dec. 11, 1936.

Ser. No. 390,130. PARFUMS CHARBERT, INC., New York, N. Y. Filed Mar. 16, 1937.

"21 W 52"

For Perfumes, Toilet Waters, Sachet, Colognes, Talcum Powder, Face Powder, and Bath Powder.
Claims use since Mar. 9, 1937.

Ser. No. 390,291. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Mar. 19, 1937.

TELEOSTOL

For Vitamin Preparation.
Claims use since Mar. 9, 1937.

Ser. No. 390,410. GEORGE A. BREON & CO., INC., Kansas City, Mo. Filed Mar. 23, 1937.

KARAMIN

For Laxative Preparation.
Claims use since Jan. 28, 1937.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 379,099. KAUFMANN BROS. & BONDY, INC., West New York, N. J. Filed June 1, 1936.

ABSORBO

For Pipes, Cigar Holders, and Cigarette Holders.
Claims use since April 15, 1916.

Ser. No. 389,079. LONDON HOUSE, LTD., New York, N. Y. Filed Feb. 18, 1937.

King's Court

For Smokers' Pipes, Ashtrays, Ash Receivers, Humidors, Tobacco Pouches, Cigar and Cigarette Holders, and Cigarette Papers.
Claims use since Dec. 3, 1936.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 390,541. AMERICAN PULLMATCH CORPORATION, Piqua, Ohio. Filed Mar. 26, 1937.



For Matches.
Claims use since May, 1936.

CLASS 12

Construction Materials

Ser. No. 389,149. THE PACIFIC LUMBER COMPANY, San Francisco, Calif. Filed Feb. 19, 1937.

PALCO WOOL

The word "Wool" is disclaimed apart from the mark.
For Finely Shredded Bark for Thermal and Sound Insulation.
Claims use since Jan. 21, 1937.

Ser. No. 389,208. MARVIN W. BOWERSOX, Wichita, Kans. Filed Feb. 13, 1937.

TEMPRITE



For Loose Fill Insulation Materials.
Claims use since December, 1935.

Ser. No. 389,535. TRINITY PORTLAND CEMENT COMPANY, Chicago, Ill. Filed Mar. 1, 1937.



For Portland Cement, Particularly Used for Oil Wells.
Claims use since Nov. 24, 1936.

Ser. No. 389,601. BROWNE LABORATORIES, INC., Brooklyn, N. Y. Filed Mar. 3, 1937.

GRAF-TITE

For Joint-Sealing Compound on Pipes, Etc.
Claims use since Sept. 17, 1934.

Ser. No. 389,714. AVIATION EQUIPMENT & EXPORT INC., New York, N. Y. Filed Mar. 6, 1937.

AVIPLY

For Wood Used in the Construction of Airplanes, Seaplanes, Hydroplanes, Flying Boats, Amphibian Machines, and Airships.
Claims use since Mar. 5, 1937.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 383,585. JOE LOWE CORPORATION, New York, N. Y. Filed Sept. 24, 1936.

FRUIT-SICLE

For Handle Sticks for Confectionery Products Sold Separately from Said Products.
Claims use since Feb. 7, 1936.

Ser. No. 383,587. JOE LOWE CORPORATION, New York, N. Y. Filed Sept. 24, 1936.

Pattie Sundae

For Handle Sticks for Confectionery Products Sold Separately from Said Products.
Claims use since June 24, 1936.

Ser. No. 383,590. JOE LOWE CORPORATION, New York, N. Y. Filed Sept. 24, 1936.

Sundae Sicle

For Handle Sticks for Confectionery Products Sold Separately from Such Products.
Claims use since June 24, 1936.

Ser. No. 388,555. THE VOLLRATH CO., Sheboygan, Wis. Filed Feb. 4, 1937.

MYSTERY RIM

The word "Rim" is disclaimed apart from the mark as shown.
For Enameled Base Metal Cooking Hollowware—Namely, Boilers, Covered and Open Pans, Kettles, Covered and Open Pots, Roasters, Coffee Pots, and Percolators.
Claims use since Jan. 13, 1937.

Ser. No. 388,930. FINDERS MANUFACTURING COMPANY, Chicago, Ill. Filed Feb. 15, 1937.

CONTINENTAL

For Metal Dance Shoe Taps Including Toe Taps, Heel Taps, Ball Taps, and Ballet Taps.
Claims use since Mar. 1, 1935.

Ser. No. 389,928. MASON-NEILAN REGULATOR COMPANY, Boston, Mass. Filed Mar. 11, 1937.

Syncroflo

For Diaphragm Control Valves, Pilot Operated Reducing Valves, Pressure Regulating Valves, and Motor Valves.
Claims use since Oct. 30, 1936.

Ser. No. 389,989. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 12, 1937.

SYLPAk

For Valves—Namely, Angle Shut-Off Valves, Two-Way Line Shut-Off Valves, Three-Way Line Shut-Off Valves.
Claims use since Mar. 28, 1934.

CLASS 15

Oils and Greases

Ser. No. 376,378. CONTINENTAL OIL COMPANY, Ponca City, Okla. Filed Mar. 25, 1936.

OIL-PLATING

The word "Oil" is disclaimed apart from the Mark.
For Lubricating Oils.
Claims use since Feb. 15, 1936.

Ser. No. 376,545. RICHFIELD OIL CORPORATION OF NEW YORK, New York, N. Y. Filed Mar. 28, 1936.



The portrait is fanciful.
For Petroleum Products—Namely, Gasoline, Motor Lubricating Oils, Motor Greases, Lubricating Greases, and Motor Fuel Oils.
Claims use since Feb. 15, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 377,029. FRED'K. A. STRESEN-REUTER, INC., Chicago, Ill. Filed Apr. 9, 1936.

Essar

For Flat Paints, Paste Paints for Decorators, and Mixed Paints for Industrial Purposes, Varnishes, Paint Enamels and Baking Enamels, Driers, Primers, and Painters' Materials Sold to Paint Manufacturers and Varnish Makers Consisting of Metallic Soaps and Salts and Including Cobalt Linoleate, Lead Resinate, Cobalt Acetate, Calcium Linoleate, Etc.
Claims use since Oct. 1, 1935.

Ser. No. 390,693. THE H. B. DAVIS CO., Baltimore, Md. Filed Mar. 30, 1937.

LIQUID LINOLEUM

For Dry and Ready Mixed Paints, Paint Enamels, Stains, Lacquers, and Varnishes.
Claims use since May 28, 1934.

Ser. No. 390,843. DERRIS, INC., New York, N. Y. Filed Apr. 2, 1937.

TOPS

For Liquid Rubless Floor Wax, and Furniture Polish.
Claims use since Mar. 10, 1937.

Ser. No. 390,846. DERRIS, INC., New York, N. Y. Filed Apr. 2, 1937.

SPRY

For Liquid Rubless Floor Wax, and Furniture Polish.
Claims use since Feb. 5, 1937.

CLASS 17

Tobacco Products

Ser. No. 383,802. CHARLES S. CHAMBERS, Tampa, Fla. Filed Sept. 30, 1936.

Ritenclif

For Cigars, Cigarettes, Chewing and Smoking Tobacco.
Claims use since 1932.

Ser. No. 383,835. AMERICAN FACTORS, LIMITED, Honolulu, Hawaii. Filed Oct. 1, 1936.

LA INSULAR

For Cigars and Cheroots.
Claims use since August, 1910.

Ser. No. 387,728. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Jan. 13, 1937.

GRANDEE

For Cigarettes.
Claims use since Nov. 27, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 380,684. WARD LEONARD ELECTRIC COMPANY, Mount Vernon, N. Y. Filed July 6, 1936.

HYSTERSET

For Electric Illumination Control Apparatus for Changing the Connections of Electric Light Circuits and Controlling the Current and Voltage of Electric Lighting Devices, Electric Rectifiers, Electric Control Apparatus in Which Rectified Current is Varied or Regulated, Electric Theatre Dimmers, Electric Voltage Regulators, Electric Generator Field Regulators, and Electric Circuit Controllers for Changing Circuit Connections in a Predetermined Manner.
Claims use since June 27, 1934.

Ser. No. 386,375. PILOT RADIO CORPORATION, Long Island City, N. Y. Filed Dec. 5, 1936.

TRANEX

For Radio Receiving Apparatus.
Claims use since Nov. 12, 1936.

Ser. No. 387,513. THE PROSPERITY COMPANY, INC., Syracuse, N. Y. Filed Jan. 6, 1937.

FORMATROL

For Motor Driven Timing Device for Effecting Make and Break of One or More Electric Circuits for Automatically Controlling Washing Machines, Dry Cleaning Machines, and the like.
Claims use since June 15, 1931.

Ser. No. 389,093. NATIONAL DEPARTMENT STORES MANAGEMENT & BUYING CORPORATION, New York, N. Y. Filed Feb. 18, 1937.

C. Q.
Certified Quality

The words "Certified Quality" are disclaimed apart from the mark.
For Radio Receiving and Transmitting Sets and Parts Thereof, Electric Amplifiers, Speakers, Batteries, Electric Light Bulbs, Electric Floor Polishing Machines, Electric Coffee Making Machines or Apparatus, Electric Cooking Devices, Electric Drink Mixers, Electric Toasters, Electric Stoves and Ranges, Electric Vacuum Cleaners, Electric Lamps, Electric Waffle Irons, Electric Grinding Machines, Electric Fans, Electric Hot Plates or Electric Grills, Electric Curling Irons, Electric Mixing Sets for Mixing Foods and Ingredients of Foods.
Claims use since Sept. 1, 1936.

Ser. No. 390,050. THE CROSLEY RADIO CORPORATION, Cincinnati, Ohio. Filed Mar. 15, 1937.

TELETUNE

For Radio Receiving Sets.
Claims use since Mar. 5, 1937.

Ser. No. 390,297. RAYMOND NEON LIGHT INC., Detroit, Mich. Filed Mar. 15, 1937.

CARFORMER

For Electric Transformers.
Claims use since Dec. 15, 1936.

Ser. No. 390,306. ABEL U. BROUNE, doing business as Champion Electric Fuse Company, New York, N. Y. Filed Mar. 20, 1937.

ROBOT

For Electric Fuses and Fuse Devices.
Claims use since Jan. 2, 1937.

Ser. No. 390,337. WARD LEONARD ELECTRIC COMPANY, Mount Vernon, N. Y. Filed Mar. 20, 1937.

AUTRASTAT

For Electric Control Apparatus for Controlling and Varying the Current and Voltage of Electric Circuits, Electric Theatre Dimmers, Alternating Current Apparatus for Controlling and Varying the Current and Voltage of Consumption Circuits and Auto-Transformers.
Claims use since Feb. 24, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 388,721. PHILIP S. OLT, Pekin, Ill. Filed Feb. 10, 1937.



The words "True Tone" are disclaimed apart from the mark.
For Duck Calls, Goose Calls, Hawk Calls, Crow Calls, and Quail and Turkey Calls.
Claims use since Dec. 26, 1936.

Ser. No. 389,215. GENERAL SPORTS INC., Chicago, Ill. Filed Feb. 17, 1937.

KLEERSITE

For Golf Clubs.
Claims use since Dec. 1, 1936.

Ser. No. 390,188. ARTHUR DANIEL TERNI, Millerton, N. Y. Filed Mar. 17, 1937.

Bill Vogt

The signature is that of William C. Vogt, deceased.
For Fishing Tackle and Supplies—Namely, Split Bamboo Fly and Bait Casting Rods, Fly and Feather Lures, Fly Bait Casting Reels, Fly Casting Lines, and Artificial Baits and Gut Leaders.
Claims use since Jan. 3, 1935.

Ser. No. 390,519. HARRY G. GROSSMAN, doing business as Beruth Company, New York, N. Y. Filed Mar. 25, 1937.

SKIDU!

For Game Comprising a Board and Movable Pieces.
Claims use since Feb. 18, 1937.

Ser. No. 390,650. GRAUMAN SUPPLY CO., Denver, Colo. Filed Mar. 29, 1937.

MONITOR

For Billiard Cue Chalk, Billiard Tables, Billiard Cloth, Billiard Cushions, Billiard Cues, Billiard Cue Balls, Bowling Balls, Bowling Pins, Ten Pins, and Duck Pins.
Claims use since Jan. 15, 1922.

Ser. No. 390,776. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Apr. 1, 1937.

ROYAL-PURPLE

For Board Game Played with Movable Pieces.
Claims use since Jan. 12, 1937.

CLASS 23

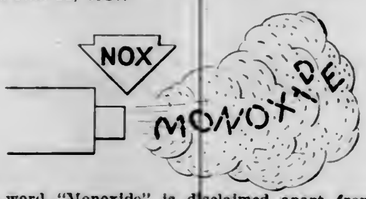
Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 386,048. SOCIETÀ ANONIMA GIUSEPPE GAROLLA, Limena, Italy. Filed Nov. 27, 1936.

Società Anonima GIUSEPPE GAROLLA LIMENA

The representation of the name plate and all wording, except applicant's name, are disclaimed apart from the mark.
For Machines for the Oenological Industry as Grapes Crushing and Stemming Machines, Centrifugal Must Extractors, Pumps for Conveying Crushed Grapes, Electrical Pumps for Transferring Liquids, Screw Presses and Hydraulic Presses and Actuating Mechanisms Therefor.
Claims use since Nov. 1, 1931.

Ser. No. 387,666. JOHN FINN, JR., San Francisco, Calif. Filed Jan. 11, 1937.



The word "Monoxide" is disclaimed apart from the mark.
For Mufflers for Internal Combustion Engines.
Claims use since Dec. 7, 1936.

Ser. No. 388,612. THE DORR COMPANY, INC., New York, N. Y. Filed Feb. 6, 1937.

ADKA

For Apparatus for the Treatment of Liquids and Liquid-Solids Mixtures and More Particularly for Apparatus or Equipment for the Separation of Solids from Liquids Known as Savealls.
Claims use since Mar. 25, 1936.

Ser. No. 388,699. APPLETON WIRE WORKS, INC., Appleton, Wis. Filed Feb. 10, 1937.

MONO-PLANE weave

The word "weave" is disclaimed apart from the mark.
For Fourdrinier Wires.
Claims use since Feb. 1, 1937.

Ser. No. 390,152. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 18, 1937.

R. F. 1

For Stapling Machines Used for Fastening Papers, Cardboard, Fabrics, Metal, Etc., Together, Also for Fastening Papers, Cardboard, Fabrics, Metal, Etc., on to Wood, Etc.
Claims use since Apr. 17, 1936.

Ser. No. 390,153. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 18, 1937.

R. F. 2

For Stapling Machines Used for Fastening Papers, Cardboard, Fabrics, Metal, Etc., Together, Also for Fastening Papers, Cardboard, Fabrics, Metal, Etc., on to Wood, Etc.
Claims use since June 17, 1936.

Ser. No. 390,154. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 18, 1937.

"RX 45"

For Stapling Machines Used for Fastening Papers, Cardboard, Fabrics, Metal, Etc., Together, Also for Fastening Papers, Cardboard, Fabrics, Metal, Etc., on to Wood, Etc.
Claims use since Mar. 23, 1936.

Ser. No. 390,313. THE FEDERAL RAZOR BLADE COMPANY, Newark, N. J. Filed Mar. 20, 1937.

FEDERAL

For Razor Blades.
Claims use since May 28, 1934.

Ser. No. 390,318. HAMMOND MACHINERY BUILDERS, INC., Kalamazoo, Mich. Filed Mar. 20, 1937.

GLIDER

For Sawing and Trimming Machines.
Claims use since September, 1935.

Ser. No. 390,358. THE CONNECTICUT BROACH & MACHINE CO., New London, Conn. Filed Mar. 22, 1937.

CONNECTICUT DURAKEEN

The word "Connecticut" is disclaimed apart from the mark.
For Broaching Tools.
Claims use since Jan. 13, 1937.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 361,198. U. S. LAMINATED GLASS CORPORATION, Indianapolis, Ind. Filed Feb. 8, 1935.

SITESAVER SAFETY LENS

The words "Sitesaver" and "Safety Lens" are disclaimed apart from the mark.
For Laminated Glass Spectacle Lenses and Blanks Therefor.
Claims use since Dec. 27, 1934.

Ser. No. 386,644. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y. Filed Dec. 11, 1936.

CROWN

For Cameras, Apparatus for Printing From Photographic Negatives, and Flash Lamps, Tripods, Magazines, Film Holders, and Plate Holders, All for Photographic Use.
Claims use since Jan. 1, 1897.

Ser. No. 387,301. CLARENCE LAWSON WOOD, London, England. Filed Dec. 30, 1936.

GRANPOP

For Photographic and Kinematographic Films, Being Transparencies for Exhibition.
Claims use since July 8, 1936.

Ser. No. 387,857. BOLTA RUBBER CO. INC., Lawrence, Mass. Filed Jan. 16, 1937.

Boltavit

For Cameras, Camera Parts, Such as Lenses, Filters, View Finders, Shutters, Spools for Holding and Rolling Film, Diaphragms, Outer Cases, and Carrying Cases, Optical Instruments, Such as Telescopes, Opera Glasses, and Field Glasses.
Claims use since July 1, 1936.

Ser. No. 388,523. BACHMANN BROTHERS, Philadelphia, Pa. Filed Feb. 4, 1937.

CHAMPION

For Goggles.
Claims use since Nov. 1, 1936.

Ser. No. 388,698. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Feb. 10, 1937.

ANISEIKONIC

For Ophthalmic Lenses and Blanks for Ophthalmic Lenses.
Claims use since Dec. 24, 1936.

CLASS 27

Horological Instruments

Ser. No. 385,534. NEW JERSEY JEWELERS SUPPLY HOUSE, Newark, N. J. Filed Nov. 14, 1936.

BESCO TRADE MARK

The word "Trade mark" is disclaimed apart from the mark.
For Watch Parts—Namely, Mainsprings, Staffs, Jewels, Wheels, and Pinions Used in Horological Instruments.
Claims use since September, 1935.

Ser. No. 390,597. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Mar. 27, 1937.

CREST

For Watch Cases, Watches, and Watch Movements.
Claims use since Feb. 26, 1937.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 388,547. SILVER SERVICE CLUB, INC., Newark, N. Y. Filed Feb. 4, 1937.

NOBILITY PLATE

The word "Plate" is disclaimed.
For Silverplated Tableware and Silverplated Cutlery.
Claims use since Jan. 16, 1937.

CLASS 32

Furniture and Upholstery

Ser. No. 387,957. WESTERN CHAIR COMPANY, Roslindale, Mass. Filed Jan. 19, 1937.

ROLLING BUTLER

For Portable Articles of Furniture Mounted on Wheels—Namely, Tea Wagons, Bridge Tables, Serving Tables, Hotel Room Servants, Bedside Tables, Portable Bars, and Portable Articles of Furniture Convertible to Produce Two or More of the Aforesaid Articles.
Claims use since Nov. 20, 1936.

Ser. No. 388,804. MARGARET W. SMITH, doing business as Babyette Co., San Marino, Calif. Filed Feb. 11, 1937.

Babyette

For Combination Nursery Cabinet and Dressing Table.
Claims use since Dec. 14, 1936.

Ser. No. 390,145. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y. Filed Mar. 16, 1937.

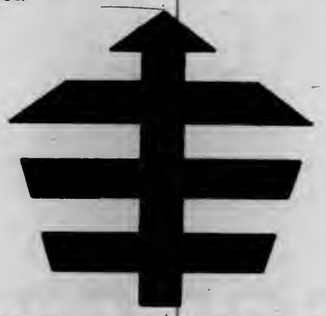
CORPORAL

For File Cabinets, Drawers, and Parts Thereof.
Claims use since Mar. 5, 1937.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 350,223. JUNKERS & CO. GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dessau, Germany. Filed Apr. 21, 1934.



For Water Heaters for Household and Industrial Hot-Water Supply Consisting of Gas-Fired Instantaneous and Storage Water Heaters, Liquid-Fuel-Fired Instantaneous and Storage Water Heaters and Solid-Fuel-Fired Storage Water Heaters, Heating Boilers for Hot-Water Supply, and Parts Thereof—Namely, Water-Heating Coils, Gas and Liquid Fuel Burners, Fire Boxes and Grates for Solid Fuel, Draft Hoods, Dampers, Outlet Conduits for Waste or Burnt Gas, Control Systems for Automatically Preventing the Back Flow of Waste Gases, Mechanical Mixers for Mixing Gaseous or Liquid Fuel with Air, Control Systems Operated Automatically in Response to Temperature Conditions, Control Systems for Automatically Shutting Off the Flow of Fuel Gas Upon Extinguishment of the Pilot Burner, Control Systems for Automatically Shutting Off the Fuel Supply Upon Lack of Water, and Control Systems for Automatically Shutting Off Flow of Fuel Gas Upon Back-Draft of Waste Gases; Apparatus for Central Heating of Buildings, and Parts Thereof, Consisting of Gas, Coal, and Oil-Fired Furnaces and Boilers for Hot Water and Steam, Gas and Liquid Fuel-Burners, and Hot Water, Steam and Gas-Heated Radiators, Control Systems for Automatically Preventing the Back Flow of Waste Gases, Control Systems for Automatically Shutting Off the Flow of Fuel Upon Extinguishment of the Pilot Burner, and Control Systems for Automatically Diminishing or Shutting Off Flow of Fuel Gas Upon Back Draft of Waste Gases; Other Apparatus for Room Heating—Namely, Gas, Coal and Oil-Fired Radiation or Heating Stoves, and Incandescent Gas-Fired Glow-Body Stoves and Parts Thereof—Namely, Control Systems for Automatically Preventing the Back Flow of Waste Gases, Control Systems for Automatically Shutting Off the Flow of Fuel Upon Extinguishment of the Pilot Burner, and Control Systems for Automatically Diminishing or Shutting Off Flow of Fuel Gas Upon Back Draft of Waste Gases; Air-Conditioning and Ventilating Apparatus for Domestic and Industrial Uses Consisting of Heating and Cooling Radiators Employing Gaseous and Liquid Heating and Cooling Mediums, Air Suction Fans and Blowers, Air Humidifiers and Air Purifiers—Namely, Air Filters, Ventilators, Air Deodorizers and Air Odorizing Disseminators and Diffusers; Gas Consuming Devices for Illumination or Lighting—Namely, Gas Burners and Incandescent Gas Mantles, Control Systems for Automatically Diminishing or Shutting Off the Flow of Fuel Gas Upon Extinguishment of the Pilot Burner, and Control Systems for Automatically Diminishing or Shutting off the Flow of Fuel Gas Upon Back Draft of Waste Gases; and Cooking Apparatus—Namely, Gaseous Liquid and Solid-Fuel Fired Cooking Stoves and Ranges, and Parts Thereof, and Control Systems for Automatically Shutting Off the Flow of Fuel Gas Upon Extinguishment of the Pilot Burner.
Claims use since Jan. 23, 1934.

Ser. No. 388,007. KEWANEE BOILER CORPORATION, Kewanee, Ill. Filed Jan. 21, 1937.

SMARTLINE

For Boilers, Heaters, and Casings for Fuel-Burning Householeaters (Coal, Wood, Oil, Gas, Etc.).
Claims use since Jan. 18, 1937.

Ser. No. 389,552. ENTERPRISE FOUNDRY COMPANY, Belleville, Ill. Filed Mar. 2, 1937.



Applicant is owner of trade-mark registrations No. 119,168, dated Oct. 30, 1917, and No. 206,245, dated Nov. 24, 1925.
For Coal, Wood, Coke, Gas, and Lignite Stoves and Ranges.
Claims use since January, 1935.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 387,956. THE VELLUMOID COMPANY, Worcester, Mass. Filed Jan. 19, 1937.

VELLUTEX

For Gaskets, Washers, or Packing, of Fibrous Composition Material, and Fibrous Composition Packing Material in the Sheet.
Claims use since Apr. 30, 1936.

Ser. No. 390,300. AMERICAN BRAKEBLOK CORPORATION, New York, N. Y., and Detroit, Mich. Filed Mar. 20, 1937.

A B M

For Frictional Elements for Brakes and Clutches.
Claims use since Sept. 22, 1930.

CLASS 37

Paper and Stationery

Ser. No. 386,573. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Dec. 7, 1936.

NORTHERN HOMETOWLS

The word "Hometowls" is disclaimed apart from the mark.
For Paper Towels.
Claims use since Jan. 23, 1930.

Ser. No. 387,992. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Jan. 21, 1937.



Trade-mark consists of a circumferential band of gold color applied near one of the ends of the leads, no claim being made to the representation of the lead per se.
For Refill Leads for Mechanical Pencils.
Claims use since January, 1937.

Ser. No. 389,360. KAMKET CORPORATION, New York, N. Y. Filed Feb. 25, 1937.

KAMKET

For Loose Leaf Binders.
Claims use since June 1, 1936.

Ser. No. 389,599. BLAISDELL PENCIL COMPANY, Philadelphia, Pa. Filed Mar. 3, 1937.

TYPIST

For Lead Pencils and Penholders.
Claims use since Jan. 20, 1934.

Ser. No. 389,799. SANDERS MANUFACTURING COMPANY, Nashville, Tenn. Filed Mar. 8, 1937.

COLOFOUR

For Wood Cased Lead Pencils.
Claims use since June 1, 1936.

CLASS 38

Prints and Publications

Ser. No. 382,256. CLAUD BONNAIRE, London, England. Filed Aug. 17, 1936.

FOLDEX

For Maps.
Claims use since 1934.

Ser. No. 384,308. JAY JEROME WILLIAMS, doing business as John Harward, Arlington, Va. Filed Oct. 13, 1936.

MOTHER

For Comic Strips.
Claims use since Sept. 29, 1936.

Ser. No. 388,384. OTHO F. BALL, Chicago, Ill. Filed Feb. 1, 1937.

THE Printing Mart

For Periodical.
Claims use since Aug. 17, 1936.

Ser. No. 388,421. THE TRAFFIC SERVICE CORPORATION, Chicago, Ill. Filed Feb. 1, 1937.

Business Digest

For Magazine at Present Published Monthly.
Claims use since Jan. 6, 1937.

Ser. No. 388,975. DIE PIPERDRUCKE VERLAGS-GES. m. b. H., Munich, Germany. Filed Feb. 16, 1937.

For Multicolored Reproductions of Heliographical Printings From Original Pictures on Single Sheets.
Claims use since April, 1924.

Ser. No. 389,185. KOSS, MORGAN & BROOKES, Chicago, Ill. Filed Feb. 20, 1937.



"Advertising Service" and "Trade Mark" are disclaimed apart from the mark as shown.
For Posters.
Claims use since Jan. 4, 1937.

Ser. No. 389,345. THE BEACON PUBLISHING COMPANY, Wichita, Kans. Filed Feb. 25, 1937.

THIS GOOD DAY

For Newspaper Column.
Claims use since Jan. 11, 1937.

Ser. No. 389,348. DELL PUBLISHING COMPANY, INC., New York, N. Y. Filed Feb. 25, 1937.

THE Comics

For Periodicals Published Monthly.
Claims use since Feb. 7, 1937.

Ser. No. 389,532. THE SCRIPPS PUBLISHING COMPANY, doing business as The Cleveland Press, Cleveland, Ohio. Filed Mar. 1, 1937.

JUNIOR AVIATOR

For Section or Column Appearing in a Newspaper or Periodical.
Claims use since Feb. 15, 1935.

Ser. No. 389,938. PUBLIC LEDGER, INC., Philadelphia, Pa. Filed Mar. 11, 1937.

YOU - - By Dan Friendly

For Newspaper Syndicated Illustrated Feature.
Claims use since Mar. 6, 1937.

Ser. No. 390,171. ETHEL TRAPHAGEN LEIGH, doing business as The Traphagen School of Fashion, New York, N. Y. Filed Mar. 17, 1937.



The word "Prints" is disclaimed apart from the mark.
For Artistic Drawings for Textile Designs.
Claims use since Feb. 10, 1937.

CLASS 39

Clothing

Ser. No. 374,057. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Jan. 24, 1936.

Bannister

For Men's and Boys' Dress, Negligee, and Work Shirts, Pajamas, Suits, Underwear, Pants, Suede Jackets, Suedine Jackets, Melton Jackets, Leather and Leatherette Coats, Caps, and Hats.
Claims use since Aug. 15, 1935.

Ser. No. 382,196. THE MORTEN DAVIS COMPANY, Dallas, Tex. Filed Aug. 17, 1936.

Stoneleigh
DISTINCTIVE MODELS

The words "Distinctive Models" are disclaimed apart from the mark.
For Ladies' Coats, Suits, and Dresses.
Claims use since July, 1936.

Ser. No. 384,523. JACK FINKEL, Los Angeles, Calif. Filed Oct. 19, 1936.



The word "Hats" and "California" are disclaimed.
For Ladies' Hats.
Claims use since Sept. 1, 1936.

Ser. No. 385,859. JACOB POLLACK & SONS, New York, N. Y. Filed Nov. 21, 1936.



The words "British Authentic Styling" are disclaimed apart from the mark.
For Men's Clothing—Namely, Overcoats and Topcoats.
Claims use since Oct. 30, 1936.

Ser. No. 387,429. THE ATLAS UNDERWEAR COMPANY, Piqua, Ohio. Filed Jan. 4, 1937.

Atla-Sized

The word "Sized" is disclaimed apart from the mark.
For Men's Knitted Underwear.
Claims use since Dec. 3, 1936.

Ser. No. 387,600. SHELDON S. SMITH, doing business as Expert Coat Co., Springfield, Mass. Filed Jan. 8, 1937.



The words "An Expert Coat" are disclaimed apart from the mark.
For Women's Coats.
Claims use since Jan. 2, 1935.

Ser. No. 388,383. THE B. V. D. CORPORATION, Baltimore, Md. Filed Feb. 1, 1937.

SPRING ACTION BACK

The word "Back" is disclaimed apart from the mark.
For Sport Shirts.
Claims use since Jan. 9, 1937.

Ser. No. 388,456. EDGAR J. LORIE, INC., New York, N. Y. Filed Feb. 2, 1937.



For Ladies' Hats.
Claims use since June 24, 1932.

Ser. No. 388,692. MOSES KULLER, doing business as Tru-Seal Lingerie Co., New York, N. Y. Filed Feb. 9, 1937.



The words "Alluring", "Enduring", and "Trade-Mark" are disclaimed except as shown.
For Ladies' Negligee, Slips, Bloomers, Panties, Chemises, Nightgowns, Undershirts, Undervests, Underdrawers, and Pajamas, Made of Silk, Rayon, and Textile Fabrics.
Claims use since Feb. 1, 1937.

Ser. No. 388,982. MORRIS GREENBERG, New York, N. Y. Filed Feb. 16, 1937.

MOVIE STARS! SLIPPERS

The word "Slippers" is disclaimed apart from the mark.
For Ladies' Slippers of Leather, Fabric, and Combinations Thereof.
Claims use since Feb. 3, 1936.

Ser. No. 389,002. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Feb. 16, 1937.

WANA-MESH

The word "Mesh" is disclaimed apart from the mark.
For Children's Underwear.
Claims use since Feb. 14, 1936.

Ser. No. 389,186. L. D. LIVINGSTON & SONS, New York, N. Y. Filed Feb. 20, 1937.

STONELEIGH

For Ladies' and Misses' Blouses, Dresses, Sweaters, and Knitted Suits.
Claims use since Aug. 4, 1934.

Ser. No. 389,441. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio. Filed Feb. 26, 1937.

Mont Llama

The word "Llama" is disclaimed apart from the mark.
For Topcoats for Men.
Claims use since November, 1932.

Ser. No. 389,556. GOLDSMITH-STOLL & Co., Chicago, Ill. Filed Mar. 2, 1937.



The words "Guaranteed Winterpelt Furs" are disclaimed apart from the mark.
For Fur Coats, Fur Scarves, Fur Wraps, and Fur Jackets.
Claims use since Jan. 2, 1936.

Ser. No. 389,826. GOLDEN BELT MANUFACTURING COMPANY, Durham, N. C. Filed Mar. 9, 1937.



For Hosiery.
Claims use since April, 1934.

Ser. No. 389,827. PAUL M. HORANCE, New York, N. Y. Filed Mar. 9, 1937.



The drawing is lined for blue. The words "Fur Coats" are disclaimed.
For Fur Coats.
Claims use since Dec. 22, 1936.

Ser. No. 389,952. WINTER-DRITTEL, INC., New York, N. Y. Filed Mar. 12, 1937.

GONE WITH the WIND

For Ladies' and Misses' Dresses and Blouses.
Claims use since Nov. 2, 1936.

Ser. No. 389,956. THE H. S. WEIL COMPANY, Cleveland, Ohio. Filed Mar. 12, 1937.



For Jigger Coats.
Claims use since Mar. 6, 1937.

Ser. No. 390,020. FINSTERWALD CLOTHING COMPANY, Detroit, Mich. Filed Mar. 13, 1937.



For Men's and Boys' Coats, Suits, and Overcoats.
Claims use since Feb. 11, 1937.

Ser. No. 390,054. DIAMOND & BAUM, INC., New York, N. Y. Filed Mar. 15, 1937.

Vel-D'or

For Ladies' and Misses' Coats and Suits.
Claims use since Jan. 15, 1937.

Ser. No. 390,086. RALEIGH HABERDASHER, INC., Washington, D. C. Filed Mar. 15, 1937.

Walter Raleigh

For Men's Suits, Overcoats, and Topcoats.
Claims use since Feb. 26, 1937.

Ser. No. 390,097. SPAK TREGER FUR CORPORATION, Chicago, Ill. Filed Mar. 15, 1937.

Sovereign

For Fur Coats.
Claims use since Mar. 1, 1936.

Ser. No. 390,159. BERKSHIRE KNITTING MILLS, Wyomissing and Reading, Pa. Filed Mar. 17, 1937.

CHAMELEON

For Hosiery.
Claims use since Mar. 10, 1937.

Ser. No. 390,172. FRANK LEVINSOHN CO., INC., New York, N. Y. Filed Mar. 17, 1937.

MAWBIC

For Men's and Women's Coats and Suits.
Claims use since Feb. 1, 1937.

Ser. No. 390,178. NEW ERA SHIRT COMPANY, St. Louis, Mo. Filed Mar. 17, 1937.

WONDERFOLD

For Shirt Collars.
Claims use since Feb. 10, 1937.

Ser. No. 390,194. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed Mar. 18, 1937.

HANG ME UP

For Infants' and Little Children's Dresses, Suits, Play and Sun Suits, Overalls, Underwear, Sleeping Garments, Sweaters, Bathrobes, Coats, and Raincoats.
Claims use since 1934.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 372,199. THE AMERICAN DIRIGOLD CORPORATION, Kokomo, Ind. Filed Dec. 3, 1935.

Dirigold

For Dresser Sets Made of Non-Precious Metal Comprising Hand Mirrors, Brushes, and Vanity Boxes.
Claims use since Aug. 13, 1935.

Ser. No. 389,068. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Feb. 18, 1937.

GEM
Royale

For Dress Shields.
Claims use since Jan. 30, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 374,821. N. ERLANGER, BLUMGART & CO. INC., New York, N. Y. Filed Feb. 14, 1936.

Duchess

For Silk Piece Goods for Use as Linings.
Claims use since Feb. 10, 1936.

Ser. No. 376,889. JOSEPH BANCROFT & SONS CO., Rockford, Wilmington, Del. Filed Apr. 7, 1936.

SUN-FAST

Applicant is owner of T. M. Reg. No. 45,740, (renewed) effected under the ten-year proviso.
For Cotton, Linen, Wool, or Mixtures of Cotton and Wool, or Cotton and Rayon, in the Piece.
Claims use since Mar. 25, 1936.

Ser. No. 389,245. HARDWICK & MAGEE COMPANY, Philadelphia, Pa. Filed Feb. 23, 1937.



The words "The Beauty That Endures", "A Century of Quality", and "Carpets and Rugs Made in Philadelphia U. S. A. by" apart from the mark as shown and the representation of the label are disclaimed.
For Carpets and Rugs.
Claims use since Feb. 15, 1937.

Ser. No. 389,323. FELIX LILIENTHAL & CO., INC., New York, N. Y. Filed Feb. 24, 1937.

STURDEE-WEAR

The word "Wear" is disclaimed except as shown.
For Silk and Rayon Piece Goods.
Claims use since Nov. 1, 1935.

Ser. No. 390,168. A. JAEKLI FABRICS, INC., New York, N. Y. Filed Mar. 17, 1937.

MOLTOTEX

For Textile Fabrics in the Piece—Namely, Silks.
Claims use since Feb. 1, 1937.

Ser. No. 390,221. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Mar. 18, 1937.

LORRAINE
EASTLORA

For Cotton, Silk, Rayon, Wool, and Linen Fabrics in the Piece.
Claims use since Dec. 9, 1936.

Ser. No. 390,262. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Mar. 19, 1937.

Vel-Crisp

For Pile Fabrics in the Piece.
Claims use since Aug. 6, 1936.

Ser. No. 390,336. WAMSUTTA MILLS, New Bedford, Mass. Filed Mar. 20, 1937.

BABICALE

For Cotton Piece Goods, Pillow Cases, and Sheets.
Claims use since Nov. 9, 1936.

Ser. No. 390,395. WOOLRICH WOOLEN MILLS, Woolrich, Pa. Filed Mar. 22, 1937.

Penn-Rich

For Woolen Piece Goods.
Claims use since Jan. 15, 1937.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 384,268. MANUEL RUDDY, doing business as Ruddy Laboratories, St. Paul, Minn. Filed Oct. 12, 1936.

STICK-TEX

For Self-Adhering Gauze.
Claims use since Apr. 24, 1936.

Ser. No. 387,702. FORHAN'S NUPLATE DENTAL COMPANY, INCORPORATED, Stamford, Conn. Filed Jan. 12, 1937.

NU-PLATE

For Rebasing and Refitting Plastic, Hardening Material for Maintaining a Perfect Adaptation of False Teeth Plates to Shrinking Gums.
Claims use since Nov. 25, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 389,342. WINROY FOODS, INC., Brooklyn, N. Y. Filed Feb. 24, 1937.



Winroy

The notation "100% Pure" is disclaimed apart from the mark.
For Nonalcoholic Bottled Fruit Juices for Beverage Purposes, Such as Apple Juice, Blackberry Juice, Grape Juice, Grapefruit Juice, Loganberry Juice, Pineapple Juice, Prune Juice, Raspberry Juice, and Raisin Juice.
Claims use since Apr. 1, 1934.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 376,014. UNITED BUYERS CORPORATION, Chicago, Ill. Filed Mar. 14, 1936.

LADYETTE

For Canned Salmon, Coffee, Food Flavoring Extracts, Milk Chocolate, Baking Chocolate, and Marshmallows.
Claims use since Jan. 15, 1935.

Ser. No. 382,408. LATOURAINE COFFEE CO., Boston, Mass. Filed Aug. 19, 1936.



The word "Coffee" is disclaimed apart from the mark.
For Coffee.
Claims use since Oct. 25, 1926.

Ser. No. 384,257. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Filed Oct. 12, 1936.

DOVE

For Fresh and Cured Meats and Packing House Products—Namely, Sausage, Lard, and Sugar Cured Meats, Viz., Picnic, Bacon, and Ham.
Claims use since March, 1872.

Ser. No. 385,239. THE U. & J. LENSON CORP., New York, N. Y. Filed Nov. 6, 1936.

HY MOUNT

For Coffee.
Claims use since July 1, 1936.

Ser. No. 386,927. BRUCE'S JUICES, INC., Tampa, Fla. Filed Dec. 19, 1936.

Kingsway

For Canned Citrus Fruits and Canned Citrus Juices for Food Purposes.
Claims use since 1927.

Ser. No. 387,873. FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed Jan. 16, 1937.



For Canned Freestone Sliced Peaches.
Claims use since Oct. 1, 1931.

Ser. No. 388,809. SUNSET FEED & GRAIN CO. INC., Buffalo, N. Y. Filed Feb. 11, 1937.

WHEYCO

For Milk Sugar Feed Used in Poultry Mashes and Dairy Feed.
Claims use since Jan. 29, 1937.

Ser. No. 388,999. VIMPEP FOODS, INC., Cambridge, Md. Filed Feb. 16, 1937.

On Guard!

For Dog Food and Cat Food.
Claims use since Feb. 3, 1937.

Ser. No. 389,541. BATON ROUGE RICE MILL INC., Baton Rouge, La. Filed Mar. 2, 1937.

DELTA POPPY

For Rice.
Claims use since Feb. 20, 1937.

Ser. No. 389,577. LOUISE TRIBOLET, doing business as San Antonio Land Co., Nogales, Ariz. Filed Mar. 2, 1937.

MEXICAN QUEEN

For Fresh Vegetables.
Claims use since 1932.

Ser. No. 389,636. BORST & BURHANS CO., Cobleskill, N. Y. Filed Mar. 4, 1937. Under 10-year proviso.



For Prepared Buckwheat and Prepared Wheat Pancake Flour.
Claims use since September, 1893.

Ser. No. 389,670. EDEN C. BOOTH, doing business as Colonial Poultry Farms, Pleasant Hill, Mo. Filed Mar. 5, 1937.

LEGORCAS

For Live Poultry and Baby Chicks.
Claims use since Sept. 1, 1935.

Ser. No. 389,875. D. E. FOOTE & COMPANY, INC., Baltimore, Md. Filed Mar. 10, 1937.

LA PANZA

For Canned Vegetables.
Claims use since 1914.

Ser. No. 389,921. S. LITRICO, doing business as Florida Shrimp Company, St. Augustine, Fla. Filed Mar. 11, 1937.

HALF MOON

For Canned and Glass Packed Shrimp.
Claims use since Dec. 28, 1936.

Ser. No. 390,126. MIL-FORD FOOD PRODUCTS CO., Milford, Mich. Filed Mar. 16, 1937.

BOOMS

For Popped Corn Kernels, Popped Rice Kernels, Popped Oat Kernels, Popped Soy Bean Kernels, Popped Wheat Kernels for Food Purposes.
Claims use since Jan. 18, 1937.

Ser. No. 390,179. OCONOMOWOC CANNING CO., Oconomowoc, Wis. Filed Mar. 17, 1937.



The portrait is that of Blanche Waddell. The representation of the goods is disclaimed except as shown.
For Canned Vegetables.
Claims use since Feb. 1, 1925.

Ser. No. 390,366. PAUL I. HARSHMAN, doing business as Lucy Ellen Candy Co., Sullivan, Ill. Filed Mar. 22, 1937.

LUCY ELLEN

For Candy.
Claims use since Jan. 1, 1937.

Ser. No. 390,407. THE BORDEN COMPANY, New York, N. Y. Filed Mar. 23, 1937.

Biolac

For Milk Food for Infants.
Claims use since Dec. 19, 1936.

Ser. No. 390,615. FOOD MACHINERY CORPORATION, San Jose, Calif. Filed Mar. 29, 1937.

WAX=DRIPE

The word "Wax" is disclaimed apart from the mark.
For Fresh Fruit—Namely, Citrus Fruit.
Claims use since Mar. 1, 1937.

Ser. No. 390,768. J. WM. MULLER, doing business as Muller Bros., Washington, Ill. Filed Apr. 2, 1937.



The words "Verified Natural Milk" are disclaimed apart from the mark.
For Milk.
Claims use since Mar. 17, 1937.

CLASS 47

Wines

Ser. No. 365,046. FRANCISCO R. UNDURRAGA, Estacion Santa Ana, Chile. Filed May 17, 1935.



All notations except applicant's name are disclaimed apart from the mark.
For Wines.
Claims use since Oct. 21, 1933.

Ser. No. 378,357. LEO BURING LIMITED, Sydney, New South Wales, Australia. Filed May 12, 1936.



The words "Sydney, N. S. W. Produce of Australia" are disclaimed apart from the mark.
For Wines.
Claims use since June, 1935.

Ser. No. 389,030. PAUL MASSON CHAMPAGNE COMPANY, Saratoga, Calif. Filed Feb. 17, 1937. Under 10-year proviso.



Paul Masson

For Wines.
Claims use since 1887.

Ser. No. 389,705. ALTA WINERY & DISTILLERY, INC., Dinuba, Calif. Filed Mar. 6, 1937.

Alta Winery

For Wines.
Claims use since 1906.

Ser. No. 389,738. LIQUOR DISTRIBUTORS OF AMERICA, Newark, N. J. Filed Mar. 6, 1937.

Chalfonte

For Wines.
Claims use since January, 1934.

Ser. No. 389,739. LIQUOR DISTRIBUTORS OF AMERICA, Newark, N. J. Filed Mar. 6, 1937.

COLLINA

For Wines.
Claims use since January, 1934.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 387,502. C. H. GRAVES AND SONS COMPANY, Boston, Mass. Filed Jan. 6, 1937.

STONE MILL



For Whiskey.
Claims use since Feb. 1, 1933.

Ser. No. 388,880. WEST INDIES RUM DISTILLERIES INC., Ponce and Playa Ponce, Puerto Rico. Filed Feb. 15, 1937.



All notations except "Sancho" and applicant's name are disclaimed.
For Rum.
Claims use since Sept. 20, 1936.

Ser. No. 388,881. WEST INDIES RUM DISTILLERIES INC., Ponce and Playa Ponce, P. R. Filed Feb. 15, 1937.



All notations except "Spanish Main" and applicant's name are disclaimed.
For Rum.
Claims use since Sept. 20, 1936.

Ser. No. 390,109. DANT & HEAD DISTILLING COMPANY, Inc., Louisville, Ky. Filed Mar. 15, 1937.



The word "Special" is disclaimed apart from the mark.
For Whiskey.
Claims use since Dec. 1, 1936.

Ser. No. 390,259. BEN-BURK, INC., Boston, Mass. Filed Mar. 19, 1937.

Bar Service

For Dry Gin.
Claims use since Dec. 5, 1936.

Ser. No. 390,896. BOYLE WHOLESALE LIQUOR COMPANY, Lexington, Ky. Filed Apr. 3, 1937.

KING'S MILL

For Whiskey.
Claims use since Mar. 1, 1937.

Ser. No. 390,937. PLATTEN BROTHERS, Green Bay, Wis. Filed Apr. 3, 1937.

BEADS

For Whiskey.
Claims use since Oct. 29, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 389,596. FRANK EUGENE AUSTIN, Hanover, N. H. Filed Mar. 3, 1937.

THE ANTVILLE GOLD MINE

For Scenic Insect Cages.
Claims use since August, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 11, 1937

345,809. LAWN GRASS SEEDS. O. M. SCOTT & SONS COMPANY, Marysville, Ohio.
Filed April 10, 1933. Serial No. 336,623. PUBLISHED JUNE 13, 1933. Class 1.

345,810. CANNED FRUITS, PARTICULARLY APRICOTS, PEARS, PEACHES, PINEAPPLES, CHERRIES, BROKEN GRAPEFRUIT; CANNED PEAS, TOMATOES, CORN, GREEN BEANS, CUT STRING BEANS, TOMATOES WITH PUREE TRIMMINGS; VANILLA FLAVOR, EXTRACT FOR FOODS, LEMON FLAVOR EXTRACT FOR FOODS; CANNED OYSTERS; AND BLENDED COFFEE. WADHAMS & CO. INCORPORATED, Portland, Oreg.
Filed October 19, 1933. Serial No. 342,679. PUBLISHED MARCH 2, 1937. Class 46.

345,811. SHERRY WINES. MARQUES DEL REAL TESORO Y CIA, Jerez de la Frontera, Spain.
Filed November 28, 1933. Serial No. 344,232. PUBLISHED MARCH 2, 1937. Class 47.

345,812. NITROGEN-CONTAINING YEAST FOODS USED IN YEAST LEAVENED BREAD. THE EMULSOL CORPORATION, Chicago, Ill.
Filed June 2, 1934. Serial No. 352,163. PUBLISHED MARCH 2, 1937. Class 46.

345,813. DRIED SEA VEGETABLES IN TABLET FORM TO SUPPLY IODINE AND OTHER MINERAL SALTS PRESENT IN SEA VEGETABLES AND ABSENT IN ADEQUATE QUANTITIES IN THE NORMAL DIET. MODERN HEALTH PRODUCTS, INC., Milwaukee, Wis.
Filed October 17, 1935. Serial No. 370,474. PUBLISHED MARCH 2, 1937. Class 6.

345,814. FITTED GARMENTS FOR WOMEN AND CHILDREN COMPRISING CORSETS, CORSET COMBINATIONS, CORSET STEP-INS WITH AND WITHOUT OPENINGS, GARTER BELTS, AND GIRDLES. VENUS FOUNDATION GARMENTS INC., also doing business as Nature's Rival Co., Chicago, Ill., and Garrett, Ind.
Filed November 9, 1935. Serial No. 371,402. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,815. CONCENTRATES AND PREPARATIONS RICH IN VITAMIN ACTIVITY FOR USE AS AN ANIMAL AND POULTRY FOOD SUPPLEMENT. EFF LABORATORIES, INC., Cleveland, Ohio.
Filed November 16, 1935. Serial No. 371,629. PUBLISHED JUNE 2, 1936. Class 46.

345,816. PAPER TOWELS, PAPER NAPKINS, WAX PAPER, TOILET TISSUE, AND FACIAL TISSUE. CHARLES CROYDON CORPORATION, New York, N. Y.
Filed December 2, 1935. Serial No. 372,166. PUBLISHED APRIL 21, 1936. Class 37.

345,817. PLASTIC MODELING SETS AND TOY COLORING SETS FOR CHILDREN, CONTAINING MODELING CLAY, CRAYONS, ETC., SOLD AS A UNIT. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed January 6, 1936. Serial No. 373,351. PUBLISHED MARCH 2, 1937. Class 22.

345,818. INCANDESCENT LAMPS AND PHOTOELECTRIC CELLS. CARLTON LAMP CORPORATION, Union City, N. J.
Filed January 24, 1936. Serial No. 374,041. PUBLISHED MARCH 2, 1937. Class 21.

345,819. HERRINGS, PILCHARDS, SMALL PILCHARDS, COD-FISH, STOCK-FISH, TUNNY-FISH, BREAST OF TUNNY, STRIPED TUNNY, ETC. CAROSINI & PARODI, Genoa, Italy.
Filed January 29, 1936. Serial No. 374,229. PUBLISHED MARCH 2, 1937. Class 46.

345,820. LEATHER BOOTS AND SHOES. ARTHUR A. WILLIAMS, doing business as Safety First Shoe Company, Holliston, Mass.
Filed January 31, 1936. Serial No. 374,349. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,821. EYE BEAUTY PENCILS. THE KURLASH COMPANY, INC., Rochester, N. Y.
Filed March 6, 1936. Serial No. 375,645. PUBLISHED MAY 12, 1936. Class 6.

345,822. CRANBERRIES (FRESH FRUIT). WILLIAM R. WHEELER, Harwichport, Mass.
Filed March 23, 1936. Serial No. 376,316. PUBLISHED FEBRUARY 23, 1937. Class 46.

345,823. FRESH VEGETABLES. HOWARD P. FITES, Yuma, Ariz.
Filed March 25, 1936. Serial No. 376,384. PUBLISHED MAY 19, 1936. Class 46.

345,824. LEATHER SHOES. THE COWARD SHOE INC., New York, N. Y.
Filed May 2, 1936. Serial No. 377,913. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,825. CYLINDER HEADS, MANIFOLDS, AXLE SHAFTS, CLUTCHES, CLUTCH HOUSINGS, CLUTCH PLATES, DIFFERENTIAL GEARS, TRANSMISSIONS, TRANSMISSION CASES, TRANSMISSION GEARS, TRANSMISSION SHAFTS, UNIVERSAL JOINTS, FUEL PUMPS, PISTONS, PISTON PINS. BALKAMP MANUFACTURING CORPORATION, Indianapolis, Ind.
Filed May 26, 1936. Serial No. 378,874. PUBLISHED MARCH 2, 1937. Class 23.

345,826. FOUNDATION GARMENTS AND GIRDLES. FRANCO CORSET COMPANY, New York, N. Y.
Filed June 3, 1936. Serial No. 379,238. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,827. COTTON PIECE GOODS—PILLOWCASES AND SHEETS. WAMSUTTA MILLS, New Bedford, Mass.
Filed June 12, 1936. Serial No. 379,655. PUBLISHED MARCH 2, 1937. Class 42.

345,828. WOMEN'S GLOVES MADE OF LEATHER OR FABRIC. THE ELDER AND JOHNSTON COMPANY, Dayton, Ohio.
Filed June 13, 1936. Serial No. 379,692. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,829. RAW, TREATED, AND DYED FUR SKINS AND PARTS THEREOF. MORRIS SCHWARTZ FUR CORP., New York, N. Y.
Filed June 23, 1936. Serial No. 380,115. PUBLISHED JANUARY 12, 1937. Class 1.

345,830. MASCARA FILLED EYELASH AND EYEBROW COMPACTS, LIQUID WATERPROOF EYELASH TINT, EYE-SHADING PREPARATION IN COMPACT FORM, AND PREPARATION FOR TREATING EYELASHES. THE KURLASH COMPANY, INC., Rochester, N. Y.
Filed June 29, 1936. Serial No. 380,402. PUBLISHED AUGUST 4, 1936. Class 6.

345,831. SOLDERING COMPOSITIONS. SOLVAL LIMITED, Montreal, Quebec, Canada.
Filed July 7, 1936. Serial No. 380,722. PUBLISHED MARCH 2, 1937. Class 14.

345,832. MACHINES FOR APPLYING BINDINGS TO STACKS OF PAPER OR THE LIKE. PLASTIC BINDING CORPORATION, Chicago, Ill.
Filed July 8, 1936. Serial No. 380,792. PUBLISHED MARCH 2, 1937. Class 23.

345,833. LUMINAIRES. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed July 8, 1936. Serial No. 380,813. PUBLISHED MARCH 2, 1937. Class 21.

345,834. COMBS, NOT MADE OF PRECIOUS METAL, INCLUDING COMBS PROVIDED WITH A RESERVOIR FOR CONTAINING LIQUIDS SUCH AS DYES. ETTORE DOMINICI, Turin, Italy.
Filed July 15, 1936. Serial No. 381,026. PUBLISHED FEBRUARY 23, 1937. Class 40.

345,835. ANTIANEMIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y., assignor, by mesne assignments, to Endo Products, Inc., New York, N. Y., a corporation of New York.
Filed July 18, 1936. Serial No. 381,174. PUBLISHED SEPTEMBER 22, 1936. Class 6.

345,836. COTTON, RAYON, AND SILK FABRICS IN THE PIECE. ALFRED L. HELWITH, New York, N. Y.
Filed August 4, 1936. Serial No. 381,809. PUBLISHED MARCH 2, 1937. Class 42.

345,837. DRESSES FOR WOMEN AND MISSES, PAJAMAS FOR WOMEN AND MISSES. THE BERT FINCH MFG. CO., LTD., Los Angeles, Calif.
Filed August 24, 1936. Serial No. 382,509. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,838. BEAUTIFIER FOR USE ON NAILS AND CUTICLES. SCHNEFEL BROS. CORPORATION, Newark, N. J.
Filed August 29, 1936. Serial No. 382,726. PUBLISHED NOVEMBER 3, 1936. Class 6.

345,839. ELECTRIC BULBS. AVON LAMP WORKS, INC., Newark, N. J.
Filed September 1, 1936. Serial No. 382,784. PUBLISHED MARCH 2, 1937. Class 21.

345,840. COAL. YORK AND COMPANY, Grand Rapids, Mich.
Filed September 5, 1936. Serial No. 382,972. PUBLISHED MARCH 2, 1937. Class 1.

345,841. PROCESSED PIECE GOODS — NAMELY, SILK, COTTON, AND RAYON, TREATED WITH A COMBINATION OF OILS, ROSIN, AND LACQUER TROUGH IMPREGNATING AND WATERPROOFING THE SAME. MARTHA WILKS, doing business as Southport Manufacturing Co., New York. N. Y.
Filed August 27, 1936. Serial No. 382,981. PUBLISHED MARCH 2, 1937. Class 50.

345,842. FABRIC MADE OF ACETATE AND TUSSAH SILK YARN AND USED IN THE MANUFACTURE OF MEN'S, WOMEN'S, AND CHILDREN'S OUTERWEAR GARMENTS. BRAND & OPPENHEIMER, INC., New York, N. Y.
Filed September 10, 1936. Serial No. 383,083. PUBLISHED MARCH 2, 1937. Class 42.

345,843. RAYON TEXTILE FABRICS. ROSS & OBERLEDER SILK CORP., New York, N. Y.
Filed September 16, 1936. Serial No. 383,285. PUBLISHED MARCH 2, 1937. Class 42.

345,844. LEATHER SHOES, SHOES OF LEATHER WITH FABRIC LININGS, SHOES OF LEATHER WITH FABRIC LININGS AND RUBBER HEELS. E. B. PIEKENBROCK & SONS COMPANY, Dubuque, Iowa.
Filed September 16, 1936. Serial No. 383,324. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,845. PERFUMES, TOILET WATER. BIENAIME, INC., doing business as Marcel Rochas, New York, N. Y.
Filed September 21, 1936. Serial No. 383,464. PUBLISHED MARCH 2, 1937. Class 6.

345,846. PREPARATION FOR THE TREATMENT OF PILES. HABEEB CASSATLY, doing business as Ibnusina Medicine Preparation Company, Brooklyn, N. Y.
Filed September 23, 1936. Serial No. 383,517. PUBLISHED MARCH 2, 1937. Class 6.

345,847. AIR CONDITIONING UNITS. GUY PASCHAL, New York, N. Y.
Filed September 28, 1936. Serial No. 383,748. PUBLISHED MARCH 2, 1937. Class 34.

345,848. SALVE. ADDEE MORIN, doing business as Mother Morin's Medicine Company, Manchester, N. H.
Filed September 30, 1936. Serial No. 383,864. PUBLISHED MARCH 2, 1937. Class 6.

345,849. PREPARATION FOR THE TREATMENT OF SPRAINS, SWELLINGS, SORE MUSCLES, STIFF NECK, RHEUMATIC PAINS, MUSCULAR LUMBAGO, ETC. WALTER B. SELLMER, doing business as Selmolene Manufacturing Co., San Rafael, Calif.
Filed October 5, 1936. Serial No. 384,016. PUBLISHED MARCH 2, 1937. Class 6.

345,850. LIVING-ROOM FURNITURE — NAMELY, COUCHES, CHAIRS, BOOK-CASES, CABINETS, TEA-WAGONS, BENCHES, ETC. BARKER BROS., INCORPORATED, Los Angeles, Calif.
Filed October 10, 1936. Serial No. 384,188. PUBLISHED MARCH 2, 1937. Class 32.

345,851. BITUMINOUS COAL, SEMI-BITUMINOUS COAL, AND SEMI-ANTHRACITE COAL. A. ARCHER CROSS, doing business as Chelsea Coal Company, Atlantic City, N. J., assignor to Chelsea Coal Company, Inc., Atlantic City, N. J., a corporation of New Jersey.
Filed October 16, 1936. Serial No. 384,400. PUBLISHED MARCH 2, 1937. Class 1.

345,852. WRITING PENS OF ALL KINDS AND FOUNTAIN PENS. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J.
Filed October 16, 1936. Serial No. 384,412. PUBLISHED JANUARY 12, 1937. Class 37.

345,853. PREPARATION FOR USE AS AN ANIMAL CONDITIONER. HANS JOSEPH SCHMUTTERMAIER, doing business as Phera Products Sales, Chicago, Ill.
Filed October 19, 1936. Serial No. 384,565. PUBLISHED MARCH 2, 1937. Class 6.

345,854. PAPER TOILET ARTICLES—NAMELY, PAPER TOWELS AND PAPER TOILET SEAT COVERS. KIRCH-TRUMBULL CORPORATION, Alden, N. Y.
Filed October 20, 1936. Serial No. 384,591. PUBLISHED MARCH 2, 1937. Class 37.

345,855. EYEBROW AN EYELASH MAKEUP. THE EYECHANT COMPANY, Chicago, Ill.
Filed October 22, 1936. Serial No. 384,655. PUBLISHED MARCH 2, 1937. Class 6.

345,856. BREAD. RAINBO BAKING COMPANY OF CINCINNATI, Cincinnati, Ohio.
Filed October 22, 1936. Serial No. 384,672. PUBLISHED MARCH 2, 1937. Class 46.

345,857. DECORATIVE GLASS VASE SUSPENDED FROM AN ARTISTIC METAL BRACKET BY MEANS OF A METAL CHAIN AND TWO YOKES OF SIMILAR DESIGN AND MATERIAL. EDWARD J. MILLER, Springfield Gardens, N. Y.
Filed October 24, 1936. Serial No. 384,756. PUBLISHED MARCH 2, 1937. Class 13.

345,858. FLY SWATTERS. LUBBERS & BELL MANUFACTURING COMPANY, Clinton, Iowa.
Filed October 26, 1936. Serial No. 384,800. PUBLISHED MARCH 2, 1937. Class 50.

345,859. HEEL LIFTS, SOLES, AND RUBBER HEELS. RED STAR SHOE REPAIRING COMPANY, INC., Philadelphia, Pa.
Filed October 26, 1936. Serial No. 384,817. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,860. WINES. ALEX D. SHAW & CO., INC., New York, N. Y.
Filed October 27, 1936. Serial No. 384,870. PUBLISHED MARCH 2, 1937. Class 47.

345,861. COMMERCIAL MOTOR VEHICLES. THE METROPOLITAN BODY CO., Bridgeport, Conn.
Filed October 29, 1936. Serial No. 384,929. PUBLISHED MARCH 2, 1937. Class 19.

345,862. PREPARATION USED AS AN OINTMENT FOR CUTS, PIMPLES, AND SUNBURN. ROSI DI PACE, Palisades Park, N. J.
Filed October 30, 1936. Serial No. 384,958. PUBLISHED MARCH 2, 1937. Class 6.

345,863. CANDY. RICHARD EDWARDS, Oak Park, Ill.
Filed October 31, 1936. Serial No. 384,995. PUBLISHED MARCH 2, 1937. Class 46.

345,864. KNIT SWEATERS, HOSE, KNITTED AND/OR FABRIC WOMEN'S AND CHILDREN'S DRESSES AND OUTER SKIRTS, SWIM SUITS, PLAY SHORTS, PLAY SUITS, MEN'S AND BOYS' OUTER DRESS, NEGLIGEE, AND WORK SHIRTS, MEN'S, WOMEN'S, AND CHILDREN'S SUITS, JACKETS, COATS, HATS, AND CAPS, CAPES, BATHROBES, BEACH ROBES, TRUNKS, HALTERS, SKI TOGS—NAMELY, JACKETS, PANTS, SCARVES, CAPS, GLOVES, AND MITTENS, AND BRASSIÈRES, AND BANDANNAS. SOUTHWEST SECURITY MORTGAGE CORP., doing business as Knitcraft Mills, Los Angeles, Calif.
Filed November 2, 1936. Serial No. 385,069. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,865. RICE. THE INTERSTATE RICE SALES CO., INC., Crowley, La.
Filed November 4, 1936. Serial No. 385,142. PUBLISHED MARCH 2, 1937. Class 46.

345,866. WOOLEN TEXTILE FABRICS (PIECE GOODS). THE HOPEVILLE MANUFACTURING COMPANY, INC., Worcester, Mass.
Filed November 11, 1936. Serial No. 385,404. PUBLISHED MARCH 2, 1937. Class 42.

345,867. COTTON, RAYON, ACETATE, AND SILK PIECE GOODS SOLD AS SUCH. COHN-HALL-MARX CO., New York, N. Y.
Filed November 13, 1936. Serial No. 385,475. PUBLISHED MARCH 2, 1937. Class 42.

345,868. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed November 13, 1936. Serial No. 385,482. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,869. FRUIT JUICES FOR BEVERAGE PURPOSES. H. S. GILE & CO., Salem, Oreg.
Filed November 14, 1936. Serial No. 385,516. PUBLISHED MARCH 2, 1937. Class 45.

345,870. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed November 14, 1936. Serial No. 385,523. PUBLISHED MARCH 2, 1937. Class 6.

345,871. GOLF BALLS, GOLF CLUBS, AND GOLF BAGS. FRANK H. CAVIGNAC-ASSOCIATES, Glendale, Long Island, N. Y.
Filed November 16, 1936. Serial No. 385,561. PUBLISHED MARCH 2, 1937. Class 22.

345,872. COSMETIC PREPARATION FOR OBLITERATING BIRTH MARKS AND OTHER SKIN BLEMISHES PUT UP IN LIQUID, CREAM, AND STICK FORMS, LIQUID THINNING LOTION, FACE POWDER, LIPSTICK, DRY AND CREAM ROUGE. LYDIA O'LEARY, INC., New York, N. Y.
Filed November 16, 1936. Serial No. 385,599. PUBLISHED MARCH 2, 1937. Class 6.

345,873. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. S. E. RYKOFF & COMPANY, Los Angeles, Calif.
Filed November 17, 1936. Serial No. 385,647. PUBLISHED MARCH 2, 1937. Class 49.

345,874. FABRICS IN THE PIECE OF ARTIFICIAL SILK, COTTON, OR COMBINATIONS THEREOF. JULIUS KAYSER & CO., New York, N. Y.
Filed November 18, 1936. Serial No. 385,691. PUBLISHED MARCH 2, 1937. Class 42.

345,875. FLY SPRAY. ROCK PRODUCTS CO., Beloit, Wis.
Filed November 19, 1936. Serial No. 385,752. PUBLISHED MARCH 2, 1937. Class 6.

345,876. ALUMINA, ALUMINUM FLUORIDES, SODIUM FLUORIDES, ZINC FLUORIDES, LEAD FLUORIDES, MAGNESIUM FLUORIDES, ETC. ALUMINUM ORE COMPANY, Pittsburgh, Pa.
Filed November 21, 1936. Serial No. 385,819. PUBLISHED MARCH 2, 1937. Class 6.

345,877. BEER. G. HEILEMAN BREWING CO., La Crosse, Wis.
Filed November 21, 1936. Serial No. 385,842. PUBLISHED MARCH 2, 1937. Class 48.

345,878. STEAM EXHAUST HEADS, ROOF AND DECK DRAINS FOR BUILDINGS, AND WALL SCUPPERS. PAUL DICKINSON, INC., Chicago, Ill.
Filed November 23, 1936. Serial No. 385,883. PUBLISHED MARCH 2, 1937. Class 13.

345,879. MEN'S SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF THESE MATERIALS. THE JOHN SHILLITO COMPANY, Cincinnati, Ohio.
Filed November 23, 1936. Serial No. 385,906. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,880. BRASSIÈRES, GIRDLES, AND CORSETS. LEWIS SMITH, doing business as Belle Form Brassiere Co., New York. N. Y.
Filed November 23, 1936. Serial No. 385,909. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,881. PRUNE JUICE FOR BEVERAGE PURPOSES. AMERICAN STORES COMPANY, Philadelphia, Pa.
Filed November 25, 1936. Serial No. 385,961. PUBLISHED MARCH 2, 1937. Class 45.

345,882. MEN'S AND WOMEN'S SHOES OF LEATHER, FABRIC, COMPOSITIONS, AND COMBINATIONS THEREOF. BROWN SHOE COMPANY, INC., St. Louis, Mo.
Filed November 25, 1936. Serial No. 385,967. PUBLISHED JANUARY 26, 1937. Class 39.

345,883. LADIES' HATS. EISENBERG BROS., New York, N. Y.
Filed November 27, 1936. Serial No. 386,019. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,884. ALE. FITZGERALD BROS. BREWING CO., Troy, N. Y.
Filed November 27, 1936. Serial No. 386,021. PUBLISHED MARCH 2, 1937. Class 48.

345,885. RUM. PARK, BENZIGER & CO., INC., New York, N. Y.
Filed November 27, 1936. Serial No. 386,043. PUBLISHED MARCH 2, 1937. Class 49.

345,886. CANNED VEGETABLES, CANNED SOUPS, CANNED VEGETABLE JUICES FOR FOOD PURPOSES, CANNED FRUIT JUICES FOR FOOD PURPOSES, CANNED BEANS AND CHILI, CANNED TOMATOES WITH PURÉE, CANNED TOMATO SAUCE, CANNED TOMATO PASTE, AND CANNED TOMATO CATSUP. VAL VITA FOOD PRODUCTS, INC., Los Angeles, Calif.
Filed November 27, 1936. Serial No. 386,057. PUBLISHED MARCH 2, 1937. Class 46.

345,887. OLIVE OIL. BRIONES & CO., INC., New York, N. Y.
Filed November 28, 1936. Serial No. 386,072. PUBLISHED MARCH 2, 1937. Class 46.

345,888. CRAVATS. HARRY ISAACS, INC., New York, N. Y.
Filed November 28, 1936. Serial No. 386,078. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,889. LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, PREPARATIONS FOR SKIN, HAIR, AND FINGERNAILS, AND PERFUMES. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill.
Filed November 30, 1936. Serial No. 386,090. PUBLISHED MARCH 2, 1937. Class 6.

345,890. SUSPENDERS AND GARTERS FOR MEN AND BOYS. KNOTHE BROS. CO., INC., New York, N. Y., and Westbrook, Conn.
Filed November 30, 1936. Serial No. 386,117. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,891. INSECTICIDE SPRAYERS. WIZARD, INC., Chicago, Ill.
Filed November 30, 1936. Serial No. 386,135. PUBLISHED MARCH 2, 1937. Class 23.

345,892. MEN'S HANDKERCHIEFS. ACHESON HARDEN CO., New York, N. Y.
Filed December 1, 1936. Serial No. 386,143. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,893. SINGLE AND/OR DOUBLE EDGE SAFETY RAZOR BLADES. BLAIZE BLUE RAZOR BLADE CO., Detroit, Mich.
Filed December 2, 1936. Serial No. 386,197. PUBLISHED MARCH 2, 1937. Class 23.

345,894. CORSETS. LILY OF FRANCE CORSET COMPANY, INC., New York, N. Y.
Filed December 2, 1936. Serial No. 386,213. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,895. COAL. OAKWOOD SMOKELESS COAL CORPORATION, Bluefield, W. Va.
Filed December 2, 1936. Serial No. 386,220. PUBLISHED MARCH 2, 1937. Class 1.

345,896. DULL SHEEN KID LEATHER. SURPASS LEATHER COMPANY, Philadelphia, Pa.
Filed December 3, 1936. Serial No. 386,236. PUBLISHED MARCH 2, 1937. Class 1.

345,897. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER OR TEXTILE MATERIAL. THE IRVING DREW COMPANY, Portsmouth, Ohio.
Filed December 3, 1936. Serial No. 386,247. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,898. LIQUID PREPARATION FOR TREATMENT OF PERSONS SUFFERING FROM COLDS. H. BRYAN DUFFY, doing business as F. S. Duffy Medicine Co., New Bern, N. C.
Filed December 3, 1936. Serial No. 386,248. PUBLISHED MARCH 2, 1937. Class 6.

345,899. TIRES COMPOSED WHOLLY OR PRINCIPALLY OF RUBBER. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed December 3, 1936. Serial No. 386,250. PUBLISHED MARCH 2, 1937. Class 35.

345,900. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 4, 1936. Serial No. 386,284. PUBLISHED MARCH 2, 1937. Class 17.

345,901. MIXED RAYON AND WOOL PIECE GOODS. ALEXANDER BRICK, Los Angeles, Calif.
Filed December 4, 1936. Serial No. 386,304. PUBLISHED MARCH 2, 1937. Class 42.

345,902. WINES. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y.
Filed December 4, 1936. Serial No. 386,307. PUBLISHED MARCH 2, 1937. Class 47.

345,903. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, AND FABRIC OR COMBINATIONS THEREOF. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed December 4, 1936. Serial No. 386,334. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,904. BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF, FOR MEN, WOMEN, AND CHILDREN. GENERAL SHOE CORPORATION, Nashville, Tenn.
Filed December 5, 1936. Serial No. 386,366. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,905. PICKLES, PEANUT BUTTER, PICKLE RELISH, AND TABLE SYRUP. CAIRO PICKLE COMPANY, Cairo, Ga.
Filed December 7, 1936. Serial No. 386,402. PUBLISHED MARCH 2, 1937. Class 46.

345,906. TABLE SYRUPS, PEANUT BUTTER, AND PICKLES AND PICKLE RELISH. W. B. RODDENBERY CO., Cairo, Ga.
Filed December 7, 1936. Serial No. 386,449. PUBLISHED MARCH 2, 1937. Class 46.

345,907. FROGS. SHOE LACE COMPANY, Boston, Mass.
Filed December 7, 1936. Serial No. 386,455. PUBLISHED FEBRUARY 9, 1937. Class 40.

345,908. THREADS AND YARNS MADE OF ARTIFICIAL WOOL OBTAINED FROM CASEINE. THE SOCIETÀ ANONIMA SNIA-VISCOSA SOCIETÀ NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA, Turin, Italy.
Filed December 7, 1936. Serial No. 386,459. PUBLISHED FEBRUARY 23, 1937. Class 43.

345,909. SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF. DEVINE & YUNGEL SHOE MFG. CO., Harrisburg, Pa.
Filed December 8, 1936. Serial No. 386,485. PUBLISHED MARCH 2, 1937. Class 39.

345,910. RUBBER THUMB AND FINGER PROTECTORS. SCOTCH PRODUCTS INCORPORATED, New York, N. Y.
Filed December 8, 1936. Serial No. 386,501. PUBLISHED MARCH 2, 1937. Class 37.

345,911. WOMEN'S AND MISSES' HATS, COATS, DRESSES, SUITS, JERKINS, SWEATERS, BATHING SUITS, BEACH ROBES, HOSIERY, UNDERWEAR OF KNITTED, NETTED, AND TEXTILE FABRICS, AND LEATHER FABRIC, AND KNITTED GLOVES. NATIONAL DEPARTMENT STORES MANAGEMENT & BUYING CORPORATION, New York, N. Y.
Filed December 9, 1936. Serial No. 386,552. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,912. CROCHET HOOKS AND KNITTING PINS MADE FROM CASEIN. THE ENGLISH NEEDLE & FISHING TACKLE CO. LTD., Studley, England.
Filed December 10, 1936. Serial No. 386,583. PUBLISHED FEBRUARY 9, 1937. Class 40.

345,913. WHEAT PRODUCT USED IN THE MANUFACTURE OF MALT BEVERAGES AND LIQUORS. THE PATENT CEREALS COMPANY, Geneva, N. Y.
Filed December 10, 1936. Serial No. 386,595. PUBLISHED MARCH 2, 1937. Class 48.

345,914. WINES. ALEX D. SHAW & CO. INC., New York, N. Y.
Filed December 10, 1936. Serial No. 386,598. PUBLISHED MARCH 2, 1937. Class 47.

345,915. WINES. ALEX D. SHAW & CO. INC., New York, N. Y.
Filed December 10, 1936. Serial No. 386,599. PUBLISHED MARCH 2, 1937. Class 47.

345,916. WINES. ALEX D. SHAW & CO. INC., New York, N. Y.
Filed December 10, 1936. Serial No. 386,600. PUBLISHED MARCH 2, 1937. Class 47.

345,917. WINES. ALEX D. SHAW & CO. INC., New York, N. Y.
Filed December 10, 1936. Serial No. 386,601. PUBLISHED MARCH 2, 1937. Class 47.

345,918. SHOES MADE OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC. FIELD AND FLINT CO., Brockton, Mass.
Filed December 10, 1936. Serial No. 386,602. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,919. BEER, ALE, AND PORTER. HILLSBORO BREWING COMPANY, Hillsboro, Wis.
Filed December 11, 1936. Serial No. 386,649. PUBLISHED FEBRUARY 23, 1937. Class 48.

345,920. HACK SAW BLADES. AMERICAN SAW & MFG. CO., Springfield, Mass.
Filed December 12, 1936. Serial No. 386,671. PUBLISHED MARCH 2, 1937. Class 23.

345,921. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. A. P. BABCOCK COMPANY, Rutherford, N. J., and New York, N. Y.
Filed December 12, 1936. Serial No. 386,672. PUBLISHED MARCH 2, 1937. Class 6.

345,922. ELECTRICALLY OPERATED LIGHT PROJECTORS FOR INDOOR AND OUTDOOR ILLUMINATION. CENTURY LIGHTING, INC., New York, N. Y.
Filed December 12, 1936. Serial No. 386,674. PUBLISHED MARCH 2, 1937. Class 21.

345,923. IRON PREPARATION FOR INCREASING THE RED BLOOD CORPUSCLES, BEING A COMBINATION OF IRON AND BEEF AND PEPTONES. EDWIN J. BACKUS, Chicago, Ill.
Filed November 21, 1936. Serial No. 386,704. PUBLISHED MARCH 2, 1937. Class 6.

345,924. ELECTRIC BEER COIL CLEANERS. KARL A. ZIMMERER MANUFACTURING CO., Detroit, Mich.
Filed December 14, 1936. Serial No. 386,753. PUBLISHED MARCH 2, 1937. Class 21.

345,925. LITHIATED LEMON SODA USED AS A BEVERAGE. THE DOUBLE EAGLE BOTTLING CO., Cleveland, Ohio.
Filed December 16, 1936. Serial No. 386,794. PUBLISHED MARCH 2, 1937. Class 45.

345,926. SILK PIECE GOODS, ARTIFICIAL SILKS, RAYON, WOOL, AND MIXTURES OF THE SAME. EMPIRE SILK COMPANY, Paterson, N. J.
Filed December 16, 1936. Serial No. 386,795. PUBLISHED MARCH 2, 1937. Class 42.

345,927. LADIES' AND MISSES' CHEMISES, NEGLIGEES, COSTUME SLIPS, PANTIES, BRASSIÈRES, BLOOMERS, NIGHTGOWNS, AND PAJAMAS, MADE OF KNITTED, NETTED, OR WOVEN TEXTILE FABRICS, OF COTTON, LINEN, SILK, ARTIFICIAL SILK, AND ALL MIXTURES OR COMBINATIONS OF SAID MATERIALS. PATRICIA PETTICOAT CO., INC., New York, N. Y.
Filed December 16, 1936. Serial No. 386,814. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,928. POCKET BOOKS AND FRAMES. UNITED CHROMIUM, INCORPORATED, New York, N. Y., and Waterbury, Conn.
Filed December 16, 1936. Serial No. 386,826. PUBLISHED MARCH 2, 1937. Class 3.

345,929. SAFETY PINS NOT OF PRECIOUS METAL. UNITED CHROMIUM, INCORPORATED, New York, N. Y., and Waterbury, Conn.
Filed December 16, 1936. Serial No. 386,827. PUBLISHED FEBRUARY 23, 1937. Class 40.

345,930. FURS IN THE PIECE. ABRAMS & LINDEN, INC., New York, N. Y.
Filed December 17, 1936. Serial No. 386,837. PUBLISHED MARCH 2, 1937. Class 1.

345,931. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. HOMER F. BUERKLE, Batavia, Ohio.
Filed December 17, 1936. Serial No. 386,846. PUBLISHED MARCH 2, 1937. Class 45.

345,932. WINES. CALIFORNIA GRAPE PRODUCTS COMPANY, San Francisco, Calif., and New York, N. Y.
Filed December 17, 1936. Serial No. 386,847. PUBLISHED MARCH 2, 1937. Class 47.

345,933. SHOES PRINCIPALLY OF LEATHER, SHOES PRINCIPALLY OF FABRIC, AND SHOES OF A COMBINATION OF LEATHER AND FABRIC. GEO. E. KEITH COMPANY, Campello, Mass.
Filed December 17, 1936. Serial No. 386,863. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,934. WOMEN'S AND MISSES' HATS, COATS, DRESSES, SUITS, SWEATERS, BATHING SUITS, BEACH ROBES, HOSIERY, AND UNDERWEAR, ETC. TRUHU SILK CORPORATION, New York, N. Y.
Filed December 17, 1936. Serial No. 386,877. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,935. MEDICINAL PREPARATION USED FOR THE TREATMENT OF THE CARDIO-VASCULAR SYSTEM AND AS A DIURETIC. A. H. ROBINS COMPANY, INC., Richmond, Va.
Filed December 18, 1936. Serial No. 386,910. PUBLISHED MARCH 2, 1937. Class 6.

345,936. SHORTENING PREPARATION USED AS AN INGREDIENT OF BREAD OR OTHER DOUGH PRODUCTS FOR THE PURPOSE OF WHITENING THE DOUGH. J. R. SHORT MILLING COMPANY, Chicago, Ill.
Filed December 18, 1936. Serial No. 386,913. PUBLISHED MARCH 2, 1937. Class 46.

345,937. BICYCLES. THE CLEVELAND WELDING COMPANY, Cleveland, Ohio.
Filed December 19, 1936. Serial No. 386,935. PUBLISHED MARCH 2, 1937. Class 19.

345,938. MEN'S AND WOMEN'S HATS AND CAPS. THE LEON GODCHAUX CLOTHING CO. LTD., New Orleans, La.
Filed December 19, 1936. Serial No. 386,939. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,939. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, CLEANSING CREAMS, OBESITY CREAMS, ETC. PARFUMERIE ST. DENIS, New York, N. Y.
Filed December 19, 1936. Serial No. 386,959. PUBLISHED MARCH 2, 1937. Class 6.

345,940. MEDICATION USED IN THE TREATMENT OF COLDS, CATARRH, SINUS INFECTIONS, HAY FEVER, AND OTHER DISTURBANCES OF THE RESPIRATORY ORGANS. JOSEPH ROBINSON, New York, N. Y.
Filed December 19, 1936. Serial No. 386,962. PUBLISHED MARCH 2, 1937. Class 6.

345,941. HAT BRAIDS MADE OF RAYON FABRIC. ARMAND SCHWAB & CO., INC., New York, N. Y.
Filed December 19, 1936. Serial No. 386,965. PUBLISHED FEBRUARY 23, 1937. Class 40.

345,942. HAT BRAIDS MADE OF RAYON FABRIC. ARMAND SCHWAB & CO., INC., New York, N. Y.
Filed December 19, 1936. Serial No. 386,966. PUBLISHED FEBRUARY 23, 1937. Class 40.

345,943. PIECE GOODS OF COTTON, RAYON, SILK, WOOL, AND/OR COMBINATIONS THEREOF. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed December 21, 1936. Serial No. 386,990. PUBLISHED MARCH 2, 1937. Class 42.

345,944. PIECE GOODS OF COTTON, RAYON, SILK, WOOL, AND/OR COMBINATIONS THEREOF. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed December 21, 1936. Serial No. 386,991. PUBLISHED MARCH 2, 1937. Class 42.

345,945. SILK CREPE AND SATIN PIECE GOODS. R. H. MACY & CO., INC., New York, N. Y.
Filed December 21, 1936. Serial No. 387,000. PUBLISHED MARCH 2, 1937. Class 42.

345,946. PERFUMES, COLOGNE, FACE CREAMS, AND FACE POWDERS. GEORGE P. MANUS, doing business as Mylaine Parfum, Chicago, Ill.
Filed December 21, 1936. Serial No. 387,001. PUBLISHED MARCH 2, 1937. Class 6.

345,947. AUTOMATIC AIR VALVES. NATIONAL METAL PRODUCTS CORP., Chicago, Ill.
Filed December 21, 1936. Serial No. 387,004. PUBLISHED MARCH 2, 1937. Class 13.

345,948. PAINT ENAMELS, READY MIXED PAINTS. PINOL MANUFACTURING CO., INC., Philadelphia, Pa.
Filed December 21, 1936. Serial No. 387,013. PUBLISHED MARCH 2, 1937. Class 16.

345,949. CORDUROYS IN THE PIECE. A. D. JUILLIARD & CO., INC., New York, N. Y.
Filed December 22, 1936. Serial No. 387,040. PUBLISHED MARCH 2, 1937. Class 42.

345,950. UMBRELLAS. HAAS-JORDAN COMPANY, Toledo, Ohio.
Filed December 23, 1936. Serial No. 387,065. PUBLISHED FEBRUARY 16, 1937. Class 41.

345,951. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed December 23, 1936. Serial No. 387,076. PUBLISHED MARCH 2, 1937. Class 6.

345,952. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed December 23, 1936. Serial No. 387,077. PUBLISHED MARCH 2, 1937. Class 6.

345,953. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed December 23, 1936. Serial No. 387,078. PUBLISHED MARCH 2, 1937. Class 6.

345,954. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed December 23, 1936. Serial No. 387,079. PUBLISHED MARCH 2, 1937. Class 6.

345,955. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed December 23, 1936. Serial No. 387,080. PUBLISHED MARCH 2, 1937. Class 6.

345,956. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed December 23, 1936. Serial No. 387,081. PUBLISHED MARCH 2, 1937. Class 6.

345,957. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed December 23, 1936. Serial No. 387,082. PUBLISHED MARCH 2, 1937. Class 6.

345,958. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed December 23, 1936. Serial No. 387,083. PUBLISHED MARCH 2, 1937. Class 6.

345,959. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed December 23, 1936. Serial No. 387,084. PUBLISHED MARCH 2, 1937. Class 6.

345,960. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed December 23, 1936. Serial No. 387,085. PUBLISHED MARCH 2, 1937. Class 6.

345,961. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed December 23, 1936. Serial No. 387,086. PUBLISHED MARCH 2, 1937. Class 6.

345,962. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed December 23, 1936. Serial No. 387,087. PUBLISHED MARCH 2, 1937. Class 6.

345,963. HANDKERCHIEFS. BURMEL HANDKERCHIEF CORPORATION, New York, N. Y.
Filed December 24, 1936. Serial No. 387,113. PUBLISHED MARCH 2, 1937. Class 39.

345,964. INSECTICIDES AND PREPARATIONS FOR CONTROL OF PLANT PESTS. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed December 24, 1936. Serial No. 387,122. PUBLISHED MARCH 2, 1937. Class 6.

345,965. INSECTICIDES. B. G. PRATT CO., New York, N. Y.
Filed December 24, 1936. Serial No. 387,142. PUBLISHED MARCH 2, 1937. Class 6.

345,966. GAMES OF CHANCE PLAYED WITH CONCEALED NUMBERS. WERTS NOVELTY COMPANY, INCORPORATED, Muncie, Ind.
Filed December 24, 1936. Serial No. 387,153. PUBLISHED MARCH 2, 1937. Class 22.

345,967. LADIES' HANDBAGS. TUROFF-HODES, INC., New York, N. Y.
Filed December 24, 1936. Serial No. 387,156. PUBLISHED MARCH 2, 1937. Class 3.

345,968. CHEWING GUM. WILLIAM A. SHENTON, doing business as W. A. Shenton & Co., Jersey City, N. J.
Filed December 28, 1936. Serial No. 387,162. PUBLISHED MARCH 2, 1937. Class 46.

345,969. SHOES FOR WOMEN, OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS THEREOF. A. S. BECK SHOE CORPORATION, New York, N. Y.
Filed December 28, 1936. Serial No. 387,167. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,970. WOVEN TEXTILE RUGS AND CARPETS. BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn.
Filed December 28, 1936. Serial No. 387,168. PUBLISHED MARCH 2, 1937. Class 42.

345,971. CARBON PAPER AND TYPEWRITER RIBBONS. THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill.
Filed December 28, 1936. Serial No. 387,199. PUBLISHED MARCH 2, 1937. Class 11.

345,972. KNITTED BATH TOWELS. GEO. MCARTHUR & SONS COMPANY, Baraboo, Wis.
Filed December 28, 1936. Serial No. 387,201. PUBLISHED MARCH 2, 1937. Class 42.

345,973. CHEMICAL PRODUCT FOR USE AS AUXILIARY AGENT IN THE TEXTILE INDUSTRY. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed December 28, 1936. Serial No. 387,217. PUBLISHED MARCH 2, 1937. Class 6.

345,974. CHEMICAL PRODUCT FOR USE AS AUXILIARY AGENT IN THE TEXTILE INDUSTRY. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed December 28, 1936. Serial No. 387,218. PUBLISHED MARCH 2, 1937. Class 6.

345,975. CHEMICAL MIXTURES USED IN PLATING AND FINISHING OF METALS. SPECIAL CHEMICALS CORP., New York, N. Y.
Filed December 28, 1936. Serial No. 387,221. PUBLISHED MARCH 2, 1937. Class 6.

345,976. INKED TYPEWRITER RIBBONS AND TYPEWRITER CARBON PAPER. TYBON CORPORATION, Philadelphia, Pa.
Filed December 28, 1936. Serial No. 387,231. PUBLISHED MARCH 2, 1937. Class 11.

345,977. INKED TYPEWRITER RIBBONS, TYPEWRITER CARBON PAPER, AND INK FOR ALL TYPES OF DUPLICATING MACHINES. TYBON CORPORATION, Philadelphia, Pa.
Filed December 28, 1936. Serial No. 387,232. PUBLISHED MARCH 2, 1937. Class 11.

345,978. HATS FOR MEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed December 29, 1936. Serial No. 387,245. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,979. PIECE GOODS MADE OF WOOL, COTTON, RAYON, SILK, ARTIFICIAL SILK, ARTIFICIAL FIBERS, AND COMBINATIONS OF THE SAME. HERBERT LEHMANN, INC., New York, N. Y.
Filed December 29, 1936. Serial No. 387,249. PUBLISHED MARCH 2, 1937. Class 42.

345,980. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK AND SIRUP AND EXTRACT FOR MAKING THE SAME. EDWARD BROUGH, Cleveland, Ohio.
Filed December 30, 1936. Serial No. 387,266. PUBLISHED MARCH 2, 1937. Class 45.

345,981. LIQUID HAIR AND SCALP PREPARATION. IDA LILY BROWARD, doing business as I. L. Broward, Jacksonville, Fla.
Filed December 30, 1936. Serial No. 387,267. PUBLISHED MARCH 2, 1937. Class 6.

345,982. BEER. GALLATIN BREWING COMPANY, doing business as Gallatin Brewing Co., Bozeman, Mont.
Filed December 30, 1936. Serial No. 387,274. PUBLISHED MARCH 2, 1937. Class 48.

345,983. TEXTILE FABRICS IN THE PIECE—NAMELY, SILK, COTTON, WOOL, RAYON, ARTIFICIAL SILK, AND COMBINATIONS OF THE SAME. HAMILTON PRINT WORKS, Paterson, N. J.
Filed December 30, 1936. Serial No. 387,276. PUBLISHED MARCH 2, 1937. Class 42.

345,984. INSECTICIDES. HARRY MORTON LECHAN, doing business as Lechan Products Company, Fall River, Mass.
Filed December 30, 1936. Serial No. 387,283. PUBLISHED MARCH 2, 1937. Class 6.

345,985. LITHIATED LEMON BEVERAGE SOLD AS A SOFT DRINK AND SIRUP AND EXTRACT FOR MAKING THE SAME. STEPHEN T. ROMINIECKI, doing business as White Eagle Bottling Works, Philadelphia, Pa.
Filed December 30, 1936. Serial No. 387,287. PUBLISHED MARCH 2, 1937. Class 45.

345,986. CARBON PAPER. STANDARD PRINTING AND PUBLISHING COMPANY, Huntington, W. Va.
Filed December 30, 1936. Serial No. 387,292. PUBLISHED MARCH 2, 1937. Class 11.

345,987. PIANO ACCORDIONS. ACCORDIANA, INC., New York, N. Y.
Filed December 31, 1936. Serial No. 387,308. PUBLISHED MARCH 2, 1937. Class 36.

345,988. BELT COUPLINGS OR FASTENERS, KNOWN AS STEEL BELT LACING. FLEXIBLE STEEL LACING COMPANY, Chicago, Ill.
Filed December 31, 1936. Serial No. 387,319. PUBLISHED MARCH 2, 1937. Class 13.

345,989. SLIPS, PANTIES, BRASSIÈRES, CHEMISES, AND GIRDLES. ADRIENNE LIVINGSTON, New York, N. Y.
Filed December 31, 1936. Serial No. 387,331. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,990. ELECTRICAL WIRES, CABLES, AND CONDUCTORS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed January 2, 1937. Serial No. 387,374. PUBLISHED MARCH 2, 1937. Class 21.

345,991. FLOUR, PARTICULARLY WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed January 2, 1937. Serial No. 387,375. PUBLISHED MARCH 2, 1937. Class 46.

345,992. CARPETS, RUGS, AND UPHOLSTERY FABRICS. INTERNATIONAL LOOMS, INC., New York, N. Y.
Filed January 2, 1937. Serial No. 387,379. PUBLISHED MARCH 2, 1937. Class 42.

345,993. LADIES' AND MISSES' CHEMISES, NEGLIGEES, COSTUME SLIPS, PANTIES, BRASSIÈRES, BLOOMERS, NIGHTGOWNS, AND PAJAMAS, MADE OF KNITTED, NETTED, OR WOVEN TEXTILE FABRICS, OF COTTON, LINEN, SILK, ARTIFICIAL SILK, AND ALL MIXTURES OR COMBINATIONS OF SAID MATERIALS. PATRICIA PETTICOAT CO., INC., New York, N. Y.
Filed January 2, 1937. Serial No. 387,390. PUBLISHED FEBRUARY 23, 1937. Class 39.

345,994. SAFETY RAZOR BLADES. PROGRESSIVE RAZOR & BLADE CO., Maplewood, N. J.
Filed January 2, 1937. Serial No. 387,393. PUBLISHED MARCH 2, 1937. Class 23.

345,995. DENATURED ALCOHOL AND RADIATOR ANTI-FREEZE COMPOSITIONS. THE PURE OIL COMPANY, Chicago, Ill.
Filed January 2, 1937. Serial No. 387,394. PUBLISHED MARCH 2, 1937. Class 6.

345,996. FILE CABINETS AND PARTS THEREOF. REMINGTON RAND INC., Buffalo, N. Y.
Filed January 2, 1937. Serial No. 387,398. PUBLISHED MARCH 2, 1937. Class 32.

345,997. NONALCOHOLIC, CARBONATED BEVERAGES. LOTTIE SKRABSKY, doing business as Cohasset Club Beverage Co., Youngstown, Ohio.
Filed January 2, 1937. Serial No. 387,401. PUBLISHED MARCH 2, 1937. Class 45.

345,998. NONALCOHOLIC, CARBONATED BEVERAGES. LOTTIE SKRABSKY, doing business as Cohasset Club Beverage Co., Youngstown, Ohio.
Filed January 2, 1937. Serial No. 387,403. PUBLISHED MARCH 2, 1937. Class 45.

345,999. NONALCOHOLIC, CARBONATED BEVERAGES. LOTTIE SKRABSKY, doing business as Cohasset Club Beverage Co., Youngstown, Ohio.
Filed January 2, 1937. Serial No. 387,405. PUBLISHED MARCH 2, 1937. Class 45.

346,000. FILE CABINETS, DRAWERS, AND PARTS THEREOF. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y.
Filed January 2, 1937. Serial No. 387,411. PUBLISHED MARCH 2, 1937. Class 32.

346,001. FILE CABINETS, DRAWERS, AND PARTS THEREOF. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y.
Filed January 2, 1937. Serial No. 387,412. PUBLISHED MARCH 2, 1937. Class 32.

346,002. FILE CABINETS, DRAWERS, AND PARTS THEREOF. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y.
Filed January 2, 1937. Serial No. 387,413. PUBLISHED MARCH 2, 1937. Class 32.

346,003. WHEAT FLOUR. THE ACME FLOUR MILLS CO., Oklahoma City, Okla.
Filed January 4, 1937. Serial No. 387,425. PUBLISHED MARCH 2, 1937. Class 46.

346,004. LITHOGRAPHIC RUBBING INK, LITHOGRAPHIC LIQUID TUSCHE, LITHOGRAPHIC TRANSFER INK, AUTOGRAPHIC INK, MUSIC PLATE TRANSFER INK, AND LITHOGRAPHIC STICK TUSCHE. WM. KORN, INC., New York, N. Y.
Filed January 4, 1937. Serial No. 387,441. PUBLISHED MARCH 2, 1937. Class 11.

346,005. SAFETY RAZOR BLADES. COLTON RAZOR BLADE COMPANY, Boston, Mass.
Filed January 5, 1937. Serial No. 387,452. PUBLISHED MARCH 2, 1937. Class 23.

346,006. SAFETY RAZOR BLADES. COLTON RAZOR BLADE COMPANY, Boston, Mass.
Filed January 5, 1937. Serial No. 387,459. PUBLISHED MARCH 2, 1937. Class 23.

346,007. THERMOMETERS. UNITED DRUG COMPANY, Boston, Mass.
Filed January 5, 1937. Serial No. 387,478. PUBLISHED MARCH 2, 1937. Class 26.

346,008. FRESH CITRUS FRUIT. F. L. SKINNER, Dunedin, Fla.
Filed January 7, 1937. Serial No. 387,565. PUBLISHED MARCH 2, 1937. Class 46.

346,009. CARDS BEARING NUMBERS AND ADAPTED FOR USE IN PLAYING A GAME LIKE LOTTO. ROBERT KESLER, New Hope, Pa.
Filed January 8, 1937. Serial No. 387,585. PUBLISHED MARCH 2, 1937. Class 22.

346,010. PAPER CUPS. CARPENTER PAPER CO., Omaha, Nebr.
Filed January 11, 1937. Serial No. 387,655. PUBLISHED MARCH 2, 1937. Class 2.

346,011. PAPER CUPS. PAPER CUP CORPORATION, Chicago, Ill.
Filed January 14, 1937. Serial No. 387,796. PUBLISHED MARCH 2, 1937. Class 2.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

346,012. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN SALES BOOK COMPANY, LTD., Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y., assignor to American Sales Book Company Inc., a corporation of Delaware. Filed July 28, 1931. Serial No. 317,386.

SPEEDIFEEDER

For Attachments for Holding Stationery Supplies for Use in Writing and Recording Machines.
Claims use since June 15, 1931.

346,013. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KITCHEL W. HUBER, Tyrone, Okla. Filed Dec. 6, 1933. Serial No. 344,534.

BURBEN

For Whiskey.
Claims use since 1902.

346,014. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) JUNKERS & CO. GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dessau, Germany. Filed June 6, 1934. Serial No. 352,320.

JUNKERS

For Water Heaters for Household and Industrial Hot-Water Supply Consisting of Gas-Fired Instantaneous and Storage Water Heaters, Liquid-Fuel-Fired Instantaneous and Storage Water Heaters and Solid-Fuel-Fired Storage Water Heaters, Heating Boilers for Hot Water Supply, and Parts Thereof—Namely, Gas and Liquid Fuel Burners, Fire Boxes and Grates for Solid Fuel, Control Systems for Automatically Preventing Back Flow of Waste Gases, Control Systems Operated Automatically in Response to Temperature Conditions, Control Systems for Automatically Shutting Off the Flow of Fuel Gas Upon Extinguishment of the Pilot Burner, Control Systems for Automatically Shutting Off the Fuel Supply Upon Lack of Water, and Control Systems for Automatically Diminishing or Shutting Off Flow of Fuel Gas Upon Back-Draft of Waste Gases, Ventilators for Water Heaters; Apparatus for Central Heating of Buildings, and Parts Thereof, Consisting of Gas, Oil-Fired and Solid-Fuel-Fired Furnaces and Boilers for Hot Water and Steam, Control Systems for Automatically Preventing the Back Flow of Waste Gases, Gas and Liquid, Fuel-Burners, Gas-Heated Radiators, Control Systems for Automatically Shutting Off the Flow of Fuel Gas Upon Extinguishment of the Pilot Burner, and Control Systems for Automatically Diminishing or Shutting off Flow of Fuel Gas Upon Backdraft of Waste Gases; Other Apparatus for Room Heating—Namely, Gas, Oil-Fired and Solid Fuel-Fired Stoves, Gas Radiation and Incandescent Gas-Fired Glow-Body Stoves and Parts Thereof—Namely, Control Systems for Preventing Automatically the Back-Flow of Waste Gases, Control Systems for Automatically Shutting Off the Flow of Fuel Gas Upon Extinguishment of the Pilot Burner, and Control Systems for Automatically Diminishing or Shutting Off Flow of Fuel Gas Upon Back-Draft of Waste Gases; Radiators for Central Heating or Cooling Employing Gaseous or Liquid Heating or Cooling Mediums, Air Suction Fans and Blowers, and Air Purifiers, Air Filters; Gas Consuming Devices for Illumination or Lighting—Namely, Gas Burners, Incandescent Gas Mantles, Control Systems for Automatically Shutting Off the Flow of Fuel Gas Upon Extinguishment of the Pilot Burner, Control Systems for Automatically Diminishing or Shutting Off the Flow of Fuel Gas Upon Back Draft of Waste Gases; Cooking Apparatus—Namely, Gaseous, Liquid and Solid-Fuel-Fired Cooking Stoves and Ranges, Baking Ovens, and Parts Thereof, and Control Systems for Automatically Shutting Off the Flow of Fuel Gas Upon Extinguishment of the Pilot Burner; and Boiler Casings, Shells and Shields, Steam Immersion Heaters, Heat Accumulators, Heating and Cooling Coils for Heating and Air Conditioning, Radiator Elements, Condensers, Evaporators, Gas and Liquid Filters, Burner Heads, Burner Blowers, Waste and Burnt Gas Conduits, Waste Gas Pipes and Chimneys, Draught Diverters, Wind Guard Devices, Interrupters of the Current Air and Draught, Flue Dampers.
Claims use since 1896.

346,015. (CLASS 39. CLOTHING.) ROSE BROTHERS, New York, N. Y. Filed Dec. 31, 1934. Serial No. 359,814.

Krisp-Spun

For Men's and Young Men's Coats, Vests and Trousers.
Claims use since Oct. 15, 1934.

346,016. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WILLARD H. REED, doing business as W. H. Reed & Company, Atlanta, Ga. Filed Mar. 9, 1935. Serial No. 362,324.

Smoke Test

For Prophylactic Rubber Articles for the Prevention of Contagious Disease.
Claims use since Feb. 7, 1935.

346,017. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JOSEPH A. CALLAHAN, doing business as Kant-Blaze Fire-Proofing Co., Lynn, Mass. Filed June 5, 1935. Serial No. 365,793.

KANT-BLAZE

For Blankets, Polishing Cloths and Bunting Impregnated With a Fireproofing Material.
Claims use since Sept. 15, 1910.

346,018. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CHARLES PIERINGER, Forest Hills, N. Y. Filed Oct. 31, 1935. Serial No. 371,041.



For Protective and Insulating Hoods for Coffee Pots, Tea Pots, and Other Household Containers, Vessels, and Other Articles.
Claims use since Sept. 26, 1935.

346,019. (CLASS 49. DISTILLED ALCOHOL LIQUORS.) GLASER BROS., San Francisco, Calif. Filed Nov. 30, 1935. Serial No. 372,133.

Colonel Jackson

For Gin Liquors.
Claims use since Sept. 21, 1935.

346,020. (CLASS 47. WINES.) URBANA WINE COMPANY, INC., Hammondsport, N. Y. Filed Dec. 9, 1935. Serial No. 372,447.

LAKE KEUKA

For Wines.
Claims use since Jan. 1, 1910.

346,021. (CLASS 39. CLOTHING.) CONSTANTINE DRESS CO., Boston, Mass. Filed Feb. 24, 1936. Serial No. 375,130.

Fashion Tested

For Ladies' Dresses.
Claims use since Oct. 1, 1935.

346,022. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) INTERNATIONAL MUTOSCOPE REEL CO. INC., New York, N. Y. Filed Feb. 29, 1936. Serial No. 375,390.

"PHOTOFRAMES"

For Photo Sensitive Plates.
Claims use since May, 1934.

346,023. (CLASS 39. CLOTHING.) SIEGEL BROS. KIKI MAID KOATS INC., New York, N. Y. Filed Mar. 30, 1936. Serial No. 376,610.

CUBANA

For Girls', Juniors', Misses', Little Women's and Ladies' Suits and Coats.
Claims use since Mar. 2, 1936.

346,024. (CLASS 39. CLOTHING.) PACIFIC KNITTING MILLS, Los Angeles, Calif. Filed Apr. 17, 1936. Serial No. 377,319.

CATALINA

For Men's, Women's, and Children's Sweaters.
Claims use since Mar. 29, 1936.

346,025. (CLASS 39. CLOTHING.) MAGGY ROUFF, Paris, France. Filed Apr. 25, 1936. Serial No. 377,646.

MAGGY ROUFF

For Women's Wear—Namely, Dresses, Coats, Hats, Shoes Made of Leather, Rubber, or Fabric, or of Combinations of Those Materials; Underwear, and Hosiery.
Claims use since Dec. 1, 1928.

346,026. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. R. GRACE & CO., New York, N. Y. Filed May 1, 1936. Serial No. 377,893.

GRACE

For Raw Coffee Sold in Bulk.
Claims use since Jan. 1, 1912.

346,027. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) CLARK EQUIPMENT COMPANY, Buchanan, Mich. Filed May 8, 1936. Serial No. 378,184.

Clark Air

For Air Conditioning Units.
Claims use since May 20, 1935.

346,028. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn. Filed May 18, 1936. Serial No. 378,550.

SEALTWIST

For Woven Textile Rugs and Carpets.
Claims use since Aug. 20, 1934.

346,029. (CLASS 39. CLOTHING.) BELMONT HOSIERY COMPANY, Belmont N. H. Filed July 25, 1936. Serial No. 381,443.

Robert Lawrence

For Hosiery.
Claims use since Apr. 4, 1936.

346,030. (CLASS 32. FURNITURE AND UPHOLSTERY.) E. J. SCHWABE MANUFACTURING CO., New York, N. Y. Filed July 23, 1936. Serial No. 381,509.

NORWOOD PRINT

For Framed Pictures.
Claims use since Jan. 1, 1925.

346,031. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE W. E. LONG CO., also doing business as The Holsum Bakery, Chicago, Ill. Filed Oct. 15, 1936. Serial No. 384,383.

HOLSUM
HOLMILK

For Bread.
Claims use since Feb. 20, 1936.

346,032. (CLASS 39. CLOTHING.) VIRGINIA MAID HOSIERY MILLS, INC., Pulaski, Va. Filed Oct. 21, 1936. Serial No. 384,635.

"Sheertwist"

For Hosiery.
Claims use since Mar. 14, 1936.

346,033. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) J. FRANK & SONS, INC., Philadelphia, Pa. Filed Nov. 3, 1936. Serial No. 385,091.

CrystalBirch

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Oct. 15, 1934.

346,034. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEO. L. CLAFLIN COMPANY, Providence, R. I. Filed Nov. 14, 1936. Serial No. 385,507.

SURGICOL

For Ointment to be Used for Any Condition Where Surface Healing is Required, Particularly Useful for Burns and External Injuries.
Claims use since 1910.

346,035. (CLASS 39. CLOTHING.) GINDLIN & KAPLAN, New York, N. Y. Filed Dec. 9, 1936. Serial No. 386,537.

Bryn Mawr

For Ladies' Belts Made of Leather, Fabric, and Artificial Leather.
Claims use since Sept. 20, 1935.

346,036. (CLASS 37. PAPER AND STATIONERY.) RAY STANTON AVERY, Los Angeles, Calif. Filed Dec. 15, 1936. Serial No. 386,755.

Kum-Kleen

For Price Stickers, Labels and Strip Gummed Paper.
Claims use since July 1, 1935.

346,037. (CLASS 37. PAPER AND STATIONERY.) BUTLER PAPER CORPORATIONS, Chicago, Ill. Filed Jan. 13, 1937. Serial No. 387,737.

MISSOURI BOND

For Printing Paper and Bond Paper.
Claims use since Jan. 2, 1936.

346,038. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOUTHBRIDGE FINISHING COMPANY, Southbridge, Mass. Filed Jan. 21, 1937. Serial No. 388,029.

Southbridge

For Printed Cotton and Cotton and Rayon Fabrics.
Claims use since May 15, 1935.

346,039. (CLASS 39. CLOTHING.) JOHN DAVID, New York, N. Y. Filed Jan. 22, 1937. Serial No. 388,051.

Huddersfield Flannel

For Socks, Men's Union Suits, Undershirts, Underdrawers, Dress and Negligee Shirts, Neckties, Collars, Men's Hats and Caps, Leather and Fabric Gloves, Men's Suits, Sweaters, Overcoats, Raincoats, Mufflers, Pajamas, Bath and Lounging Robes, and Bathing Suits.
Claims use since May 5, 1925.

346,040. (CLASS 39. CLOTHING.) KINGSBORO SILK MILLS, INC., Gloversvile, N. Y. Filed Jan. 26, 1937. Serial No. 388,193.

"NORMANDIE"
UNDERTHINGS
BY ROGERS

For Ladies' and Children's Knitted Vests, Bloomers, Panties, Nightgowns and Pajamas.
Claims use since Jan. 5, 1932.

346,041. (CLASS 39. CLOTHING.) J. GOODMAN SHOE CO., New York, N. Y. Filed Feb. 12, 1937. Serial No. 388,835.

Di Martini

For Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof for Men, Women, and Children.
Claims use since December, 1935.

346,042. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WILLIAM F. THUMM, Chicago, Il. Filed Feb. 19, 1937. Serial No. 389,158.

NO-TAPE

For Gauze Bandages.
Claims use since Jan. 8, 1936.

346,043. (CLASS 39. CLOTHING.) JOSEPH GUTTMAN & BROS., INC., New York, N. Y. Filed Feb. 20, 1937. Serial No. 389,178.

FASHIONED BY
VOGUE KNIT

For Ladies' and Misses' Knitted Dresses, Blouses, and Sweaters.
Claims use since Aug. 12, 1935.

346,044. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE HAMMOND CLOCK COMPANY, Chicago, Ill. Filed Feb. 23, 1937. Serial No. 389,244.

HAMMOND

For Electric Organs.
Claims use since April, 1935.

346,045. (CLASS 39. CLOTHING.) MITCHELL & WEBER, INC., New York, N. Y. Filed Feb. 27, 1937. Serial No. 389,467.

CALIFORNIA
At a Price

For Ladies' and Misses' Blouses and Dresses.
Claims use since Nov. 4, 1935.

346,046. (CLASS 37. PAPER AND STATIONERY.) THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J. Filed Mar. 2, 1937. Serial No. 389,553.

RE-NEW-POINT

For Fountain Pens and Parts Thereof.
Claims use since Jan. 22, 1932.

346,047. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) TODD SHIPYARDS CORPORATION, New York, N. Y. Filed Mar. 24, 1937. Serial No. 390,478.

TODD

For Oil Burners and Air Registers.
Claims use since Jan. 1, 1922.

TRADE-MARK REGISTRATIONS RENEWED

115,802. CERTAIN NAMED CANNED FRUITS AND VEGETABLES. Registered March 6, 1917. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif., a corporation of California. Renewed March 6, 1937.

116,004. CERTAIN NAMED MACHINES, PARTS THEREOF, AND ACCESSORIES THEREFOR. Registered March 27, 1917. THE ROBERT REINER IMPORTING CO., Weehawken Heights, N. J. Renewed March 27, 1937, to Robert Reiner, Incorporated, Weehawken, N. J., a corporation of New Jersey, by change of name.

116,040. ELECTRIC-LIGHT CARBONS. Registered April 3, 1917. C. CONRADTY, Nuremberg, Germany, a firm. Renewed April 3, 1937.

116,112. AN ANTISEPTIC LOTION. Registered April 10, 1917. THE BAPTISINE PHARMACAL CO. Renewed April 10, 1937, to Baptisine Pharmacal Company, St. Louis, Mo., a corporation of Missouri, assignee.

116,198. ELECTRIC SUCTION-CLEANERS. Registered April 17, 1917. THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 17, 1937.

116,316. HAIR-DRESSING. Registered April 24, 1917. THE HEROLIN MEDICINE COMPANY. Renewed April 24, 1937, to Herolin Company, Inc., Atlanta, Ga., a corporation of Georgia, successor.

116,372. SMOKING-TOBACCO. Registered April 24, 1917. SHIELDS & SON, Albany, N. Y. Renewed April 24, 1937, to Penn Tobacco Company, Wilkes-Barre, Pa., a corporation of Pennsylvania, successor.

116,458. INDICATORS AND INDEX DEVICES. Registered May 1, 1917. THE RAND COMPANY, North Tonawanda, N. Y. Renewed May 1, 1937, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

116,524. CERTAIN NAMED CONFECTIONERY. Registered May 8, 1917. IMPERIAL CANDY CO., Seattle, Wash., a corporation of Washington. Renewed May 8, 1937.

116,582. OVERALLS, WORK-SHIRTS, AND HOSIERY. Registered May 15, 1917. BITTNER, HUNSICKER & COMPANY, Allentown, Pa., a firm. Renewed May 15, 1937.

116,591. A MEDICATED PREPARATION DESTRUCTIVE OR REPELLENT TO CERTAIN INSECTS, VERMIN, AND BACTERIA. Registered May 15, 1917. CARPENTER-MORTON COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed May 15, 1937.

116,664. AN OPTICAL TOY. Registered May 15, 1917. MARVEL MFG. CO., New Haven, Conn. Renewed May 15, 1937, to Marvel Mfg. Co., West Haven, Conn., a corporation of Connecticut.

116,667. FUEL-OILS. Registered May 15, 1917. MEXICAN PETROLEUM CORPORATION, Los Angeles, Calif. Renewed May 15, 1937, to Mexican Petroleum Corporation, New York, N. Y., a corporation of Maine.

116,805. WHISKY. Registered May 22, 1917. THE TEBBETTS & GARLAND STORE. Renewed May 22, 1937, to Hillman's, Chicago, Ill., a corporation of Illinois, assignee.

116,855. DRY AND READY-MIXED PAINTS, DRIERS, ENAMELS, STAINS, WALL-PAINTS, LACS, FILLERS, AND VARNISHES. Registered May 29, 1917. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed May 29, 1937.

116,856. DRY AND READY-MIXED PAINTS, DRIERS, ENAMELS, STAINS, WALL-PAINTS, LACS, FILLERS, AND VARNISHES. Registered May 29, 1917. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed May 29, 1937.

116,911. SILKS IN THE PIECE. Registered June 5, 1917. R. H. MACY & Co. Renewed June 5, 1937, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York, assignee.

117,030. CANNED VEGETABLES, CANNED FRUITS, AND CANNED FISH. Registered June 12, 1917. EMERY FOOD COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 12, 1937.

117,154. METALLIC VALVES AND PARTS THEREOF. Registered June 19, 1917. JENKINS BROS., Elizabeth, N. J., and New York, N. Y. Renewed June 19, 1937, to Jenkins Bros., New York, N. Y., and Bridgeport, Conn., a corporation of New Jersey.

117,283. CERTAIN NAMED OILS AND GREASES. Registered July 3, 1917. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 3, 1937.

117,366. WRAPPING-PAPER. Registered July 3, 1917. SANIWAX PAPER COMPANY, Kalamazoo, Mich., a corporation of Michigan. Renewed July 3, 1937.

117,457. SMOKING-TOBACCO, CHEWING-TOBACCO, SNUFF, AND LEAF-TOBACCO. Registered July 10, 1917. MACLIN-ZIMMER-MCGILL TOBACCO CO. INCORPORATED, Petersburg, Va., a corporation of Virginia. Renewed July 10, 1937.

117,533. WHEAT-FLOUR. Registered July 17, 1917. DULUTH-SUPERIOR MILLING COMPANY, Duluth, Minn., and New York, N. Y. Renewed July 17, 1937, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

117,941. WHEAT-FLOUR AND RYE-FLOUR. Registered August 7, 1917. HECKER-JONES-JEWELL MILLING COMPANY. Renewed August 7, 1937, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

118,019. A PREPARATION OF HYPOPHOSPHITES. Registered August 14, 1917. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y., a corporation of New York. Renewed August 14, 1937.

118,020. PREPARATION OF HYPOPHOSPHITES. Registered August 14, 1917. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y., a corporation of New York. Renewed August 14, 1937.

118,021. LAXATIVE TABLETS. Registered August 14, 1917. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y., a corporation of New York. Renewed August 14, 1937.

118,075. FUEL-OILS. Registered August 14, 1917. MEXICAN PETROLEUM CORPORATION, Los Angeles, Calif. Renewed August 14, 1937, to Mexican Petroleum Corporation, New York, N. Y., a corporation of Maine

118,174. LIGHTING-FIXTURES COMPRISING METAL SHADES AND REFLECTORS. Registered August 21, 1917. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Renewed August 21, 1937, to The Miller Company, Meriden, Conn., a corporation of Connecticut, assignee.

118,184. WHEAT-FLOUR AND RYE-FLOUR. Registered August 21, 1917. HECKER-JONES-JEWELL MILLING COMPANY. Renewed August 21, 1937, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

118,221. CERTAIN NAMED BELTING, LACING, VALVES, AND WASHERS. Registered August 21, 1917. J. E. RHOADS & SONS, Philadelphia, Pa., and Wilmington, Del. Renewed August 21, 1937, to J. E. Rhoads & Sons, Philadelphia, Pa., a firm.

118,222. CERTAIN NAMED BELTING, LACING, VALVES, AND WASHERS. Registered August 21, 1917. J. E. RHOADS & SONS, Philadelphia, Pa., and Wilmington, Del. Renewed August 21, 1937, to J. E. Rhoads & Sons, Philadelphia, Pa., a firm.

118,244. FLY-KILLERS OR HAND DEVICES FOR KILLING FLIES AND OTHER INSECTS. Registered August 21, 1917. UNITED STATES WIRE MAT COMPANY. Renewed August 21, 1937, to United States Manufacturing Corporation, Decatur, Ill., a corporation of Illinois, by change of name.

118,308. CERTAIN NAMED FOODS. Registered August 28, 1917. R. H. MACY & Co. Renewed August 28, 1937, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York, assignee.

118,337. BROAD SILK IN THE PIECE. Registered August 28, 1917. THE SCHWARZENBACH HUBER CO., New York, N. Y., a corporation of New Jersey. Renewed August 28, 1937.

118,379. SEEDS. Registered September 4, 1917. ALFRED J. BROWN SEED COMPANY, Grand Rapids, Mich., a corporation of Michigan. Renewed September 4, 1937.

118,386. COLLARS, SHIRTS, CUFFS, PAJAMAS, AND BATH-ROBES. Registered September 4, 1917. CLUETT, PEABODY & CO., INC., Troy, N. Y., a corporation of New York. Renewed September 4, 1937.

118,398. A PREPARATION OF HYPOPHOSPHITES. Registered September 4, 1917. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y., a corporation of New York. Renewed September 4, 1937.

118,450. SNAP-FASTENERS OF ALL KINDS. Registered September 4, 1917. WALDES & Co., Prague-Wrschowitz, Austria-Hungary, assignor to Waldes & Company of New Jersey, a corporation of New Jersey. Renewed September 4, 1937, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

118,530. PAPER ILLUSTRATION-BOARD, MAT-BOARD, PHOTO-MOUNT BOARD, SIGN-WRITERS' BOARD, AND PICTURE-BACKING BOARD. Registered September 18, 1917. HURLOCK BROS. COMPANY. Renewed September 18, 1937, to Hurlock Bros. Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania, assignee.

118,597. SNAP-BUTTONS USED AS GARMENT-FASTENERS. Registered September 18, 1917. WALDES & Co., Prague-Wrschowitz, Austria, assignor to Waldes & Company of New Jersey, a corporation of New Jersey. Renewed September 18, 1937, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

118,599. SNAP-FASTENERS AND PLACKET-FASTENERS. Registered September 18, 1917. WALDES & COMPANY OF NEW JERSEY, New York, N. Y. Renewed September 18, 1937, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

118,692. WRITING-PAPER. Registered September 25, 1917. THE A. N. PALMER COMPANY, Cedar Rapids, Iowa, and New York, N. Y. Renewed September 25, 1937, to The A. N. Palmer Company, New York, N. Y., a corporation of Iowa.

118,722. CERTAIN NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered September 25, 1917. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa., a corporation of Pennsylvania. Renewed September 25, 1937.

118,740. CIGARS. Registered October 2, 1917. MORRIS H. BARNETT. Renewed October 2, 1937, to M. H. Barnett Company, Inc., Springfield, Mass., a corporation of Massachusetts, assignee.

118,761. A MONTHLY PUBLICATION. Registered October 2, 1917. DWINELL-WRIGHT COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed October 2, 1937.

118,820. VENTILATORS, STOVEPIPE, ELBOWS, SHANTY-CAPS, CHIMNEY-CAPS, CHIMNEY-JACKETS, AND REGISTRAR-BOXES. Registered October 2, 1917. SHEET METAL MFG. CO. INC., New York and Brooklyn, N. Y. Renewed October 2, 1937, to Sheet Metal Mfg. Co. Inc., Brooklyn, N. Y., a corporation of New York.

LABELS

REGISTERED MAY 11, 1937

49,288.—*Title:* WISE UP. For a Lithiated and Alkalized Beverage. A-TREAT BOTTLING COMPANY, Allentown, Pa. Published February 15, 1937.

49,289.—*Title:* GLADE. For Tomatoes. CECIL BARBER, Peters, Fla. Published February 24, 1937.

49,290.—*Title:* BEAUTY BUBBLES. For an Emollient. JOSEPH BAUMWELL, doing business as Parfumerie Noblesse, Chicago, Ill. Published September 14, 1936.

49,291.—*Title:* DELSON SHOES. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published February 15, 1937.

49,292.—*Title:* CROWLEY MILNER & CO. FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published January 30, 1937.

49,293.—*Title:* VEL-VE-TA-FLAT INTERIOR FINISH. For Ready Mixed Paint. COLONIAL WORKS, Brooklyn, N. Y. Published March 8, 1937.

49,294.—*Title:* HAPPY HOUSEWIFE. For a Cleansing Compound. GEORGE B. CONNER, doing business as Happy Housewife Co. Ltd., Los Angeles, Calif. Published March 5, 1937.

49,295.—*Title:* CAKEAZ. For Prepared Cake-Mix. CONTINENTAL MILLS INC., Seattle, Wash. Published November 27, 1936.

49,296.—*Title:* HEALTHENA. For Whole Wheat Cereal. PAUL J. EMERY, Benton Harbor, Mich. Published January 20, 1937.

49,297.—*Title:* COMBINAIR. For Lead Packs and Erasers Sold in Combination. A. W. FABER, INC., Newark, N. J. Published November 5, 1936.

49,298.—*Title:* RETAIL-TESTED. For Jewelry. GRANAT BROS., San Francisco, Calif. Published March 1, 1937.

49,299.—*Title:* HOLLOWAY'S RX. For a Preparation for the Feet. HOLLOWAY, INC., Duluth, Minn. Published February 1, 1937.

49,300.—*Title:* WATERCLEEN. For Mineralized Water. FRED H. JOHNSON, doing business as The Waterwerk Products, Detroit, Mich. Published December 20, 1936.

49,301.—*Title:* KEMP'S CHOCOLATES—HARD AND CHEWY. For Chocolates. E. F. KEMP, INC., Somerville, Mass. Published February 23, 1937.

49,302.—*Title:* MA-SON. For Cut Green Stringless Beans. ROBERT W. MAIRS, doing business as Robert W. Mairs & Co., Baltimore, Md. Published February 20, 1937.

49,303.—*Title:* MILLER'S POPPED WHEAT. For a Cereal Breakfast Food. MILLER CEREAL MILLS, Omaha, Nebr. Published January 15, 1937.

49,304.—*Title:* VALMOR CORN KNOCKER. For a Liquid Preparation for Removing Corns. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published July 1, 1936.

49,305.—*Title:* DANIEL WEBSTER. For Straight Bourbon Whiskey. PARAMOUNT DISTILLING CORPORATION, Chicago, Ill. Published January 25, 1937.

49,306.—*Title:* PEACOCK. For Syrup. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published March 4, 1937.

49,307.—*Title:* PERFECTION. For Soda Crackers. PERFECTION BISCUIT COMPANY, Fort Wayne, Ind. Published August 1, 1936.

49,308.—*Title:* OLD MAUDE. For Fortified White Wine. SALLY SANDS, doing business as Car-Cal Winery, Greensboro, N. C. Published March 3, 1937.

49,309.—*Title:* SCHREIBER'S HALF PORTER & HALF ALE. For a Beverage Consisting of Half Porter and Half Ale. SCHREIBER BREWING COMPANY, INC., Buffalo, N. Y. Published February 12, 1937.

49,310.—*Title:* SHANSPUN. For a Fabric. BERT SHANBERG, New York, N. Y. Published January 27, 1937.

49,311.—*Title:* NUTRIMERE KELP. For Kelp. VITA PRODUCTS, INC., Zeeland, Mich. Published December 7, 1936.

49,312.—*Title:* MONOLIN. For a Floor Composition. STEVE WALDYN, New York, N. Y. Published February 8, 1937.

49,313.—*Title:* WASH AND POLISH FOR ALL PURPOSES. For a Liquid Preparation Used as a Wash and Polish for All Purposes. JOHN RAPP ZIPAY, Pittsburgh, Pa. Published August 12, 1936.

PRINTS

REGISTERED MAY 11, 1937

16,187.—*Title:* SUNDAY'S THE DAY (VALEN-TIME) TO GIVE A 'SWEET HEART' BOX OF CHOCOLATES. For Confectionery. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published February 10, 1937.

16,188.—*Title:* IT'S VALEN-TIME NOW AT MACFARLANE'S. For Confectionery. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published February 12, 1937.

16,189.—*Title:* NORMAL-TRED FOR BODY BALANCE. For Shoes. CLARENCE R. FAFLIK, Cleveland, Ohio. Published March 10, 1937.

16,190.—*Title:* AMERICA'S FIRST TRUE WRIST WATCH. For Watches and Watch Movements. THE GRUEN WATCH COMPANY, Cincinnati and Time Hill, Cincinnati, Ohio. Published January 18, 1937.

16,191.—*Title:* DINE WITH WINE. For Wine. RALPH PINCITORE, Portland, Oreg. Published February 26, 1937.

REISSUES

MAY 11, 1937

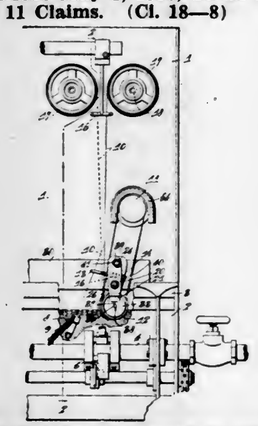
20,356

METHOD OF EQUALIZING THE DYEING QUALITIES OF ARTIFICIAL FILAMENTS

Richard Elssner, Elizabethton, and Ralph H. Carter, Johnson City, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

Original No. 1,992,897, dated February 26, 1935, Serial No. 656,538, February 13, 1933. Application for reissue May 4, 1936, Serial No. 77,882

11 Claims. (Cl. 18—8)



3. In an apparatus for equalizing the dyeing qualities of artificial filaments, in combination, a spinnerette for extruding the filaments, a take-up roller or spool and thread guide associated therewith, freely rotatable rollers over which the filaments are looped a plurality of times before passing to the guiding and take-up device, one of said rollers having a circular flange integrally attached thereto, said flange being weighted at its outer periphery, whereby lagging tendencies of said roller are overcome, and means for rotating said take-up means at a predetermined progressively increasing peripheral speed.

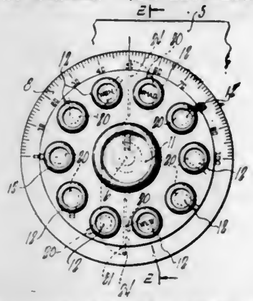
20,357

TUNING DIAL

John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Original No. 1,744,265, dated January 21, 1930, Serial No. 347,036, March 14, 1929. Application for reissue March 23, 1937, Serial No. 132,615

20 Claims. (Cl. 116—124.2)



11. In a tuning device for radio receivers having a rotary tuning element: stops movable with the rotary tuning element, each representing a predetermined broadcasting station; a stationary stop; and manually controllable means for rendering any one of said first designated stops operable to engage the stationary stop and arrest rotation of the tuning element in a position at which the receiver is tuned to the station which the selected stop represents.

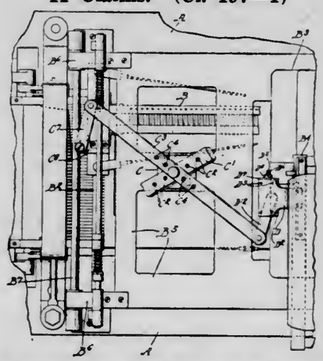
20,358

CARRIAGE DRIVE MECHANISM

Chester A. Macomic, Chicago, Ill., assignor to Macomic Corporation, a corporation of Delaware

Original No. 1,916,272, dated July 4, 1933, Serial No. 326,180, December 15, 1928. Application for reissue July 2, 1935, Serial No. 29,547

11 Claims. (Cl. 197—1)



10. In combination, a typewriter having a reciprocable platen carriage, a pattern selecting mechanism having a reciprocable selector carriage, parallel tracks along which said carriages are adapted to travel, means responsive to the movement of the typewriter carriage in one direction for moving the selector carriage in the opposite direction, comprising a movement transmitting member mounted for rotation about a normally fixed but adjustable pivot, a separate driving connection between the movement transmitting member and each carriage, said driving connections being adapted to compensate for changes in angular relationship between said movement transmitting member and the tracks of the reciprocable carriages.

20,359

METHOD AND APPARATUS FOR CLEANING ARTICLES, PARTICULARLY METALLIC GOODS

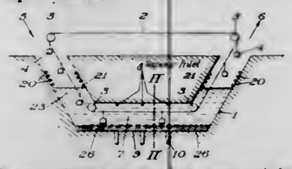
Kenneth James Rennie Robertson, London, England, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Original No. 1,905,968, dated April 25, 1933, Serial No. 302,038, August 25, 1928. Application for reissue June 15, 1936, Serial No. 85,442. In Great Britain June 13, 1928

16 Claims. (Cl. 87—6)

1. A method of removing oil and grease from an object which consists in generating a solvent

vapor, collecting said solvent vapor in a container open to the atmosphere, moving said object into said solvent vapor bath, allowing the object to remain in said solvent vapor bath until sufficient solvent vapor has been condensed thereon by reason of the difference in temperature between said object and said vapor to remove the oil and grease therefrom, and thereupon moving said object out of said vapor bath.



8. A degreasing apparatus comprising a vapor chamber having inlet and outlet openings toward the top thereof, a grease solvent liquid tank, means for heating said tank to vaporize liquid solvent contained therein, a vapor conduit connecting said tank with said chamber, cooling coils arranged at the upper part of said chamber for condensing the vapor therein, a drain pipe connecting said chamber with said tank and a conveyor arranged to carry articles through said chamber and expose them to the condensing vaporous solvent.

20,360

PROCESS OF TREATING WATER

Ludwig Rosenstein, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Original No. 2,038,316, dated April 21, 1936, Serial No. 38,535, August 30, 1935. Application for reissue January 12, 1937, Serial No. 120,241

10 Claims. (Cl. 47—58)

1. Process of retarding the precipitation of calcium carbonate from natural waters comprising adding to the water an alkali-metal hexa meta phosphate in amounts not exceeding one thousandth part of the stoichiometric amount required to react with said calcium to form calcium metaphosphate whereby precipitation of calcium carbonate resulting from the addition of alkali is prevented.

20,361

PROCESS OF PRODUCING EMULSIONS

Hans Schrader, Essen-Ruhr, Germany, assignor to the firm Th. Goldschmidt A.-G., Essen-Ruhr, Germany

No Drawing. Original No. 1,826,900, dated October 13, 1931, Serial No. 314,837, October 24, 1928. Application for reissue October 7, 1933, Serial No. 692,697. In Germany August 27, 1927

15 Claims. (Cl. 252—6)

3. A process for the production of emulsions, in which ethereal poly-compounds of at least one polyhydric alcohol partially esterified with acids selected from a group consisting of fatty acids of high molecular weight, derivatives of said fatty acids, hydroxy-compounds of said fatty acids and unsaturated derivatives of said fatty acids, are emulsified with water or aqueous solutions of any substances in the presence of small amounts of substances having an alkaline reaction.

9. The process of forming an emulsion of oil with water which comprises incorporating therewith an emulsifying agent consisting essentially of polyhydric alcohols partially esterified with higher fatty acids and a quantity of soap sufficient to increase materially the stability of the emulsion, but not substantially in excess of ten per cent, based on the weight of the partially esterified polyhydric alcohols.

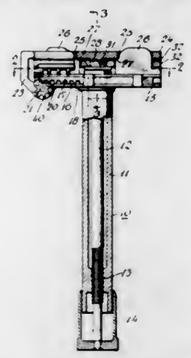
20,362

RAZOR

Harry Swan, New York, N. Y., assignor to Patents Incorporated, Wilmington, Del., a corporation of Delaware

Original No. 1,888,747, dated November 22, 1932, Serial No. 607,905, April 28, 1932. Application for reissue June 10, 1933, Serial No. 675,300

32 Claims. (Cl. 30—61)



32. A safety razor of the flexible blade type having a swinging blade-shaping cap, a handle member, an operating member rotatable with respect thereto, a train of mechanism operated by rotation of said operating member to swing said cap into blade clamping position, and a second train of mechanism automatically brought into action thereafter and operated by a greater rotation of said operating member to clamp the blade.

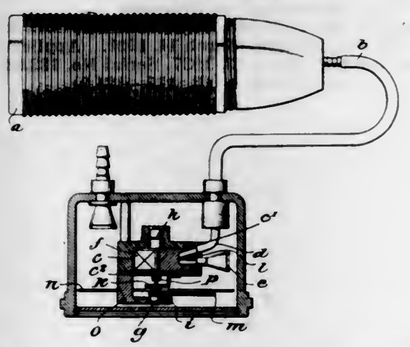
20,363

RATE OF CLIMB INDICATOR

Erhard Horn, Leipzig, Germany

Original No. 2,056,354, dated October 6, 1936, Serial No. 39,822, September 9, 1935. Application for reissue March 3, 1937, Serial No. 128,873. In Germany September 22, 1934

3 Claims. (Cl. 264—1)



1. A rate of climb indicator comprising a thermally insulated reservoir, a circular chamber, a stationary partition wall arranged in said chamber, a shaft rotatably mounted in the axis of said chamber, a pressure plate rotatable with said shaft in said chamber, spring means normally retaining said pressure plate in predetermined position, means connecting said chamber at one side of said pressure plate with said reservoir, means connecting said chamber at the opposite side of said pressure plate with the atmosphere, said pressure plate being arranged to provide a gap between the edges thereof and the walls of said chamber, the dimensions of said gap being such that it serves as a capillary orifice whereby upon occurrence of a pressure difference between the atmospheric air and the air in said reservoir, said plate moves in response to said pressure difference, the flow of air through said gap causing equalization of the pressures on the two sides of said plate, and indicating means actuated by movement of said plate and shaft.

PATENTS

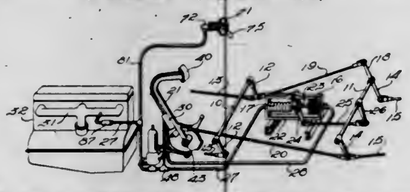
GRANTED MAY 11, 1937

2,079,587
ATOMIZER
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application January 26, 1937, Serial No. 122,447
5 Claims. (Cl. 128—173)



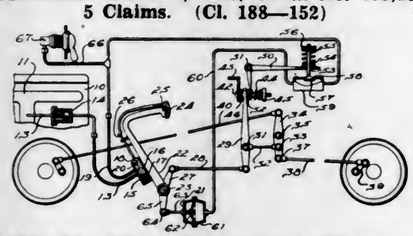
1. An atomizer comprising, in combination: a casing; a pump piston operating in a portion of said casing to compress air therein; a liquid container; means to support the container in said casing with its interior sealed from the interior of the casing; an aspiration tube dipping into said container, passing through and sealed into an opening in a closure of said casing and formed with a nozzle projecting from the casing; an aspiration nozzle in direct communication with the space in the casing about said container and located to deliver a current of air in aspirating relation to the first named nozzle.

2,079,588
BRAKE MECHANISM
Samuel F. Arbuckle, Highland Park, Mich., assignor to S. F. Arbuckle Corporation, a corporation of Delaware
Application December 22, 1932, Serial No. 648,510
6 Claims. (Cl. 188—152)



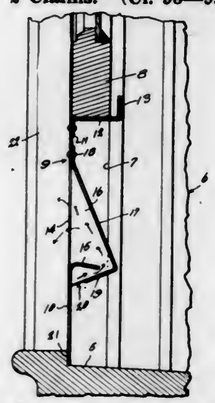
6. In a vehicle brake mechanism, a suction operated brake applying element, a source of suction connected thereto, a manually operable brake lever, means operable by said lever for variably limiting substantially in proportion to the extent that the lever is operated the degree of suction which may be built up in said element, said means including means interposed between said lever and said suction limiting means and adjustable with respect to said lever for varying the effect of depression of the lever on said suction limiting means, and manually controllable means independent of said first-named means for variably limiting the degree of suction which may be built up in said element.

2,079,589
BRAKE MECHANISM
Samuel F. Arbuckle, Highland Park, Mich., assignor to S. F. Arbuckle Corporation, a corporation of Delaware
Application March 1, 1933, Serial No. 659,149
5 Claims. (Cl. 188—152)



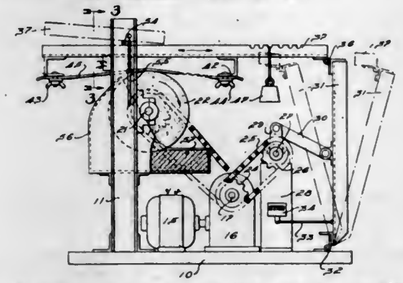
4. A brake mechanism comprising a brake, manual actuating means including a rocker arm for actuating the brake, a fixed means, a resilient means interposed in stressed condition between said fixed means and a portion of said rocker arm and so arranged as to be further stressed upon movement of said portion of the rocker arm relative to said fixed means, fluid pressure responsive means for actuating the brake, and means governed by movement of said portion of the rocker arm relative to said fixed means and proportional to the extent of such movement varying the operative force which the fluid pressure responsive means can exert in applying said brake.

2,079,590
VENTILATOR
Howard Armstrong, Philadelphia, Pa.
Application July 21, 1936, Serial No. 91,751
2 Claims. (Cl. 98—99)



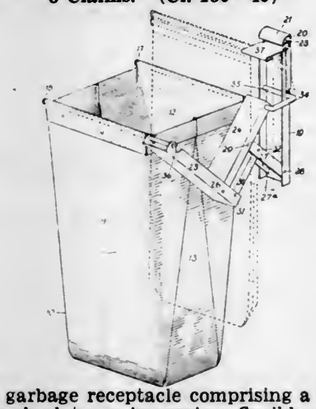
2. A ventilator of the character described comprising a rectangular-shaped plate provided with an opening therein, a hood secured to the outside of the plate above the opening and disposed so as to depend to a point below the lower edge of the opening, the lower portion of the hood being provided with a backwardly inclined portion, and an outstanding inclined lip on the plate at the lower edge portion of the opening, inclining toward the backwardly bent portion of the hood and terminating in spaced relation with respect thereto.

2,079,591
TEXTILE TESTING MACHINE
Floyd E. Bartell, Ann Arbor, Mich.
Application March 15, 1935, Serial No. 11,247
10 Claims. (Cl. 73—51)



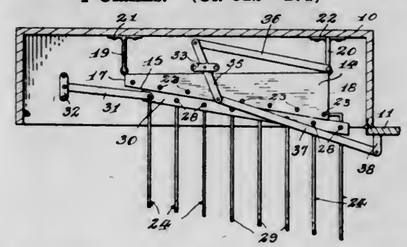
9. A machine for testing the wearing qualities of fabrics, comprising spaced means for holding a strip of fabric so that the latter between such means may engage and conform to the periphery of an abrasive wheel, a rotary abrasive wheel, and a receptacle containing sand and through which the wheel turns so that the sand cleanses the wheel of material worn from the fabric.

2,079,592
GARBAGE RECEPTACLE
Pauline N. Battin, College Point, N. Y.
Application May 2, 1935, Serial No. 19,337
8 Claims. (Cl. 150—49)



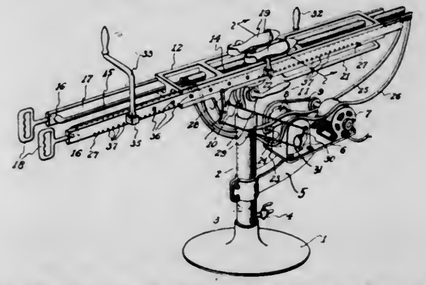
2. A garbage receptacle comprising a rigid upright back plate, an impervious flexible sack having front and rear rods from which the sack depends by its mouth, and mechanism supported on the back plate and carrying the sack rods, said mechanism shiftable between a lower open position with the sack rods spaced widely apart and a higher closed position with the sack rods closely adjacent, and comprising a carrier for each rod, said carriers pivoted to each other at a point below the rods, upper and lower arms pivoted on the back plate and supporting the rear carrier and controlling its movements, and a connection from one of said arms to the front carrier for controlling its shift from open to closed position in coordination with the back carrier.

2,079,593
TIE CABINET
George C. Boenig, Philadelphia, Pa.
Application July 28, 1936, Serial No. 93,070
4 Claims. (Cl. 312—174)



1. A display structure comprising a cabinet having a door, a swingable frame within the cabinet, article suspension arms pivotally mounted thereon, a link member pivotally connected with the arms, said link having pivotal connection with a portion of the cabinet and link means connected between the door, a portion of the cabinet and the frame, whereby said arms will be moved into and out of the cabinet upon movement of the door into closed and open positions.

2,079,594
EXERCISING MACHINE
Earle J. Clem, Decatur, Ark., assignor of forty per cent to Vern D. Hall, Decatur, Ark.
Application July 31, 1935, Serial No. 34,103
6 Claims. (Cl. 128—25)

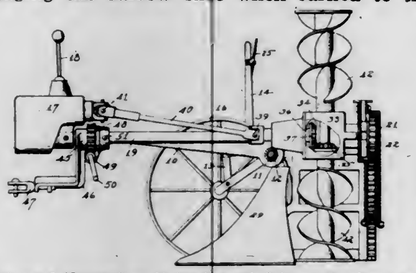


1. An exercising device comprising a base, an angularly adjustable frame carried by the base, slide bars mounted in said frame, means for reciprocating said slide bars in opposite directions, said means comprising a reversible fluid pump, cylinders carried by the frame, pistons within the cylinders, connections between the pistons and the slide bars, cross pipe connections between opposite ends of adjacent cylinders for moving the pistons in opposite directions, said cross pipe connections being connected to the reversible fluid pump and means carried by one of the slide bars for reversing the pump.

2,079,595
REVERSIBLE SOIL MOVING IMPLEMENT
Edgar V. Collins, Ames, Iowa, assignor to Iowa State College Alumni Association, Incorporated, Ames, Iowa, a corporation of Iowa
Application July 29, 1935, Serial No. 33,643
19 Claims. (Cl. 97—43)

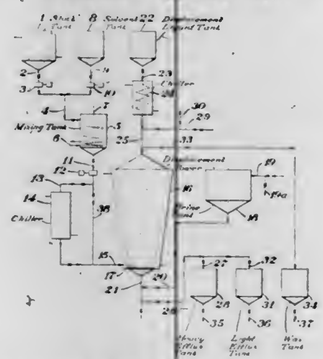
1. In a reversible soil moving implement, the combination of a reversible plow capable in one

toward the left of the line of advance and in another position toward the right, and a reversible soil throwing device, capable in one position of engaging the furrow slice when turned to the



right and throwing it to the right, and when adjusted to another position capable of engaging the furrow slice when turned to the left and throwing it to the left.

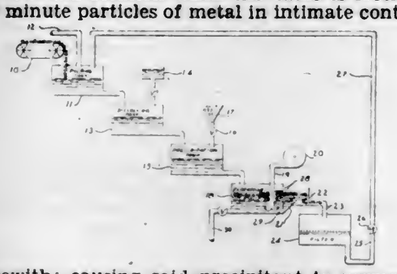
2,079,596
PROCESS FOR THE TREATMENT OF OIL-WAX MIXTURES
Joseph A. Alexander, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 30, 1935, Serial No. 4,158
5 Claims. (Cl. 196—20)



1. The process of separating a hydrocarbon oil-wax mixture into oil and wax fractions containing less wax and oil respectively than said mixture, which comprises producing a wax-containing mixture, cooling said mixture to effect crystallization of wax therefrom and to cause the formation, in a displacement zone of a diameter decreasing in the direction of displacement flow, of a wax mass containing less than substantially 10% by volume of crystalline wax and displacing from said wax mass, without substantial agitation thereof and under a relatively low differential pressure, the liquid constituents of said mass with a displacing liquid.

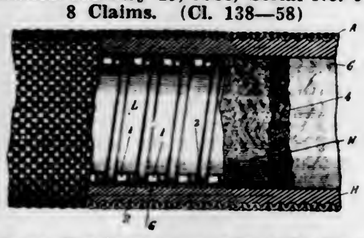
2,079,597
METHOD AND MEANS FOR THE RECOVERY OF PRECIOUS METALS
John Allingham, Los Angeles, Calif., assignor of one-half to William N. Rossberg, Los Angeles, Calif.
Application May 28, 1934, Serial No. 727,974
24 Claims. (Cl. 75—106)

1. In a process for recovering precious metals from ores the steps of: dissolving said precious metals; adding a precipitant to said solution comprising small particles of carbon floatable on said solution when the same is frothed, and minute particles of metal in intimate contact



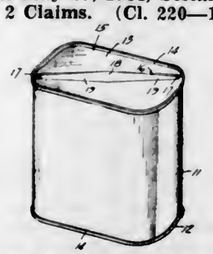
therewith; causing said precipitant to permeate said solution; causing said precipitant to rise to the top of said solution by frothing said solution; and floating said precipitant off from said solution.

2,079,598
GASOLINE HOSE
Robert Berkowitz, Brooklyn, N. Y., assignor to Metal Hose & Tubing Co. Inc., Brooklyn, N. Y., a corporation of New York
Application January 19, 1933, Serial No. 652,460
8 Claims. (Cl. 138—58)



1. A gasoline hose comprising a flexible pervious metallic liner, a rubber cover therefor, a flexible sheath interposed betwen the liner and the cover proof against the passage therethrough of solvent hydro-carbon fluid, and a cushion member surrounding the metallic liner interposed betwen the liner and the inner surface of said sheath.

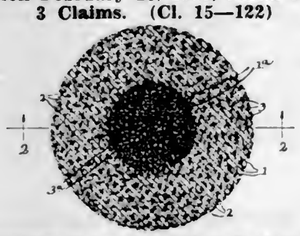
2,079,599
CONTAINER
William C. Bonthron, Baltimore, Md., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 29, 1934, Serial No. 728,179
2 Claims. (Cl. 220—1)



1. A can for liquids having a top adapted to be punctured at two diametrically opposite predetermined points, each predetermined point being located adjacent the edge of the can to provide a pouring opening on one side and a vent opening on the other, said top having an elongated channel extending diagonally across the can top, the floor

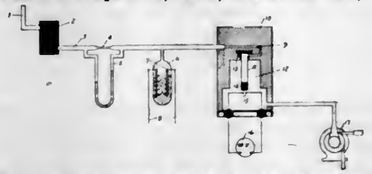
of which is inclined downwardly from a common high position in the center of the can where the floor is substantially flush with the can top wall to a low position at diagonally opposite corners where it surrounds its associated predetermined point of opening, said channel being adapted to direct any liquid contents, remaining on the can top after a pouring action, back into the opening associated with the end of such channel.

2,079,600
CLEANSING ARTICLE
George W. Brooks, La Grange, Ill., assignor to The S. O. S. Company, Chicago, Ill., a corporation of Delaware
Application February 10, 1936, Serial No. 63,133
3 Claims. (Cl. 15—122)



1. A combined metal wool and soap cleaning pad comprising a body of metal wool with soap distributed throughout its extent in two distinct portions, one portion entirely inclosing and surrounding the other to provide an inner and an outer portion, most of the soap in each portion being in the form of coatings about substantially all of the metal fibres and providing voids between the coated fibres, the soap coatings in the inner portion being appreciably thicker to provide an inner concentration of a greater density of soap and hence a reserve soap supply for the outer portion of the pad.

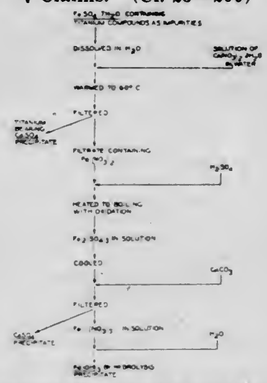
2,079,601
DETECTOR FOR COMBUSTIBLE GAS
Robert H. Canfield, Washington, D. C.
Application March 8, 1934, Serial No. 714,655
8 Claims. (Cl. 23—255)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. In combination, means to remove entrained acid from a stream of gases, means to determine the volume of gas passed in such stream, means to raise the temperature of the gas in said stream, a catalyst inclosed in the last mentioned means and disposed in the path of the said gas, a thermopile disposed in said temperature raising means to the adjacent boundry of said catalyst at which the gases leave the catalyst, but exteriorly thereof and in the path of gas that has traversed the catalyst, and means to measure the electric quantities developed by said thermopile.

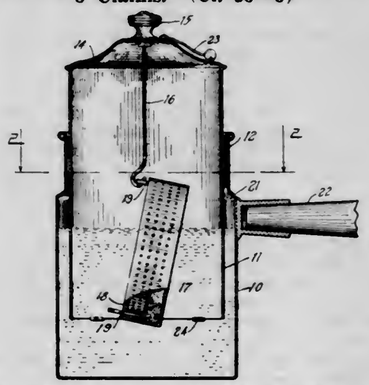
8. In combination, means to measure a volume of gas having a combustible constituent, catalytic means to ignite the said combustible constituent, thermo-electric means to determine the temperature of the gases after the burning of said combustible constituent, and means to pass into the foregoing means a known quantity of combustible gas having a known heat of combustion per unit volume.

2,079,602
PRODUCTION OF FERRIC HYDROXIDE
Donald M. Crist, San Francisco, Calif.
Application December 4, 1934, Serial No. 755,908
7 Claims. (Cl. 23—200)



1. The process of producing pure ferric hydroxide from ferrous sulphate which consists in adding a salt composed of a nitrate anion and a sulphate precipitating cation, removing the precipitate formed which also contains impurities in the ferrous sulphate, particularly titanium compounds, adding sulphuric acid to convert the nitrate ion to free nitric acid while maintaining the temperature conditions so as to cause oxidation of the ferrous iron to ferric iron, then reducing the hydrogen ion concentration to a point below which the iron would precipitate out as ferric hydroxide but at which no substantial quantity of the iron does precipitate, removing any precipitated impurities and then precipitating the iron as ferric hydroxide by further decreasing the hydrogen ion concentration.

2,079,603
COFFEE MAKER
Harold G. Davis, Denver, Colo.
Application July 9, 1935, Serial No. 30,458
8 Claims. (Cl. 53—3)



1. A coffee maker comprising: an open topped outer container; an open bottomed inner container telescoping into said outer container and

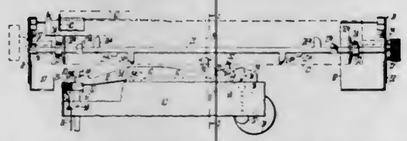
being free to vertically reciprocate therein; a hook member in said inner container; and a porous basket for containing ground coffee supported from said hook member, said basket normally depending below said inner container so that it will contact with the bottom of said outer container to release itself from said hook member as the inner container approaches its lowermost position in said outer container.

2,079,604
TREATMENT OF MATERIALS
William Alexander Dickie and Ernest Leslie Greenwood, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application May 28, 1931, Serial No. 540,802. In Great Britain August 8, 1930
1 Claim. (Cl. 41—26)

Process for the production of effects on textile materials containing cellulose acetate, which comprises applying to the materials a composition consisting of an effect material and a water-insoluble thickening agent in a medium consisting of the following constituents in approximately the following proportions:

Camphor	grams	40 to 50
Xylene monomethyl sulfonamide	cc	200
Acetone	cc	300
Denatured alcohol	cc	1300
Butyl acetate	cc	1800

2,079,605
TYPEWRITING MACHINE
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application October 26, 1935, Serial No. 46,841
23 Claims. (Cl. 197—63)



1. In a typewriting machine, the combination with two members constituting a frame and a letter-feeding carriage thereon, of a shaft rotatably mounted on one of said members, means for adjusting said shaft to different angular positions, a plurality of pairs of differently separated margin-stops on said shaft, said pairs being distributed angularly around said shaft, and a counter-stop, on the other of said members, co-operative with different pairs of margin-stops, depending on the different angular positions of said shaft, for limiting the lateral movement of said carriage in either direction.

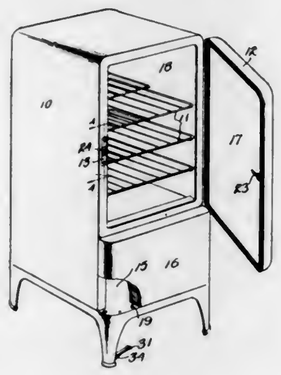
2,079,606
PROCESS FOR PRODUCING RESINS
Alan Ashby Drummond, Gerrards Cross, and Howard Houlston Morgan, Slough, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 15, 1933, Serial No. 702,649. In Great Britain December 20, 1932
3 Claims. (Cl. 260—4)

1. A process for making resinous compositions which comprises subjecting to prolonged heating in inert volatile organic solvent a reaction mixture the reactants of which consist solely of a phenol, an aldehyde and a polyhydric alcohol partially esterified with fatty oil acid until a resinous product containing the partially esterified alcohol as an indistinguishable part thereof, irremovable as such, is formed.

2,079,607
MAKING ANTIKNOCKING MOTOR FUEL AND SYNTHETIC RESINS
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application March 30, 1925, Serial No. 19,538
10 Claims. (Cl. 196—142)

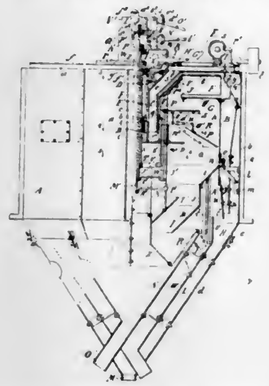
2. The process which comprises subjecting heavy oils to a cracking temperature in the presence of air, whereby light hydrocarbon motor fuel constituents and normal aldehydes are formed, and reacting on the aldehyde-containing motor fuel constituents with a phenol in the presence of a catalyst, whereby resins result, and separating the resins from the motor fuel constituents.

2,079,608
REFRIGERATOR CABINET
Carl P. Erickson, Connersville, Ind., assignor to Rex Manufacturing Company, Connersville, Ind., a corporation of Indiana
Application June 27, 1933, Serial No. 677,943
7 Claims. (Cl. 312—193)



6. Refrigerator cabinet construction comprising insulated top, bottom, and side walls defining a food storage compartment, said side walls being provided with a door opening affording access to said food storage compartment, closure means for said door opening of a size to completely cover said door opening and when closed to overlap the walls of the cabinet about said door opening on all sides and with no part of said closure means projecting to a considerable extent within said door opening but being disposed outwardly of and leaving the door opening unobstructed affording storage space within the cabinet and within said door opening, the overlap of the closure means on all sides about the door opening providing a relatively wide gap through which heat must flow in entering the cabinet through the door opening around the closure means, and annular sealing means between the closure means and the walls of the cabinet about said door opening for retarding heat flow.

2,079,609
AIR AND OTHER SEPARATOR
George Holt Fraser, Brooklyn, N. Y.
Application August 13, 1932, Serial No. 628,678
Renewed July 9, 1936
23 Claims. (Cl. 209—139)

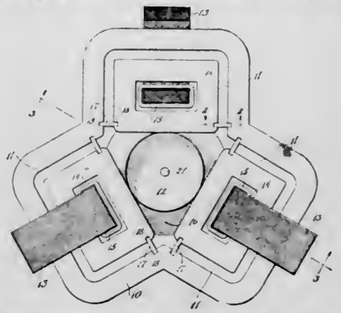


1. A current separator for grading materials, comprising, an outer casing enclosing a settling chamber, an inner casing enclosing a separating chamber having a lower inlet and an upper outlet in communication with said settling chamber, rotary fan blades above said outlet, for causing a fluid current to flow up through said separating chamber and return through said settling chamber, for separating and floating fine material into the latter, a downward supply conduit within said separating chamber, for downwardly supplying material to be separated therein, and a distributor in said separating chamber, opposite and below said conduit, for intercepting said downward supply, and for outwardly distributing said material in said current, and blade suspension means mounted above the zone of said interception and depended inwardly of and past and below said downward supply concentrically of and extended down through said distributor, in operative relation to said blades, for suspending the latter from above said zone; the combination therewith of blade carrier means, without and around said conduit, above said distributor and extended downwardly past it to a spaced vertical distance below said zone, in operative relation to said blades above said distributor, for carrying said blades thereabove, in operative relation to said suspension means below said distributor and said vertical distance below said zone, and adapted to carry said blades from said suspension means from below said distributor and from said distance below said zone.

2,079,610
METALLURGICAL INDUCTION FURNACE
James C. Harris, Jr., Baltimore, Md.
Application November 20, 1934, Serial No. 753,964
7 Claims. (Cl. 13—28)

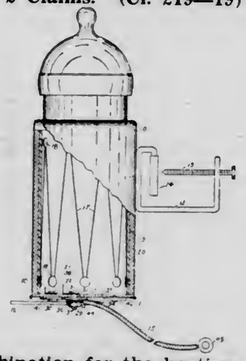
1. In an electric furnace of the horizontal open ring and core type, a hearth having its entire bottom elevated above the bottom of the ring channel and of greater width than that of the channel to provide a charging space, and a melting and refining pool.

7. That mode of controlling the temperature distribution within a desired range in an induction furnace, which consists in varying the cross section of a portion of the secondary circuit by changing the depth of the molten bath so that the temperature in said portion may be higher



than, equal to or less than that in any other portion of the secondary.

2,079,611
BABY'S NURSING BOTTLE HEATER
Alexander T. Harvey, Muskogee, Okla.
Application September 23, 1936, Serial No. 102,079½
2 Claims. (Cl. 219—19)

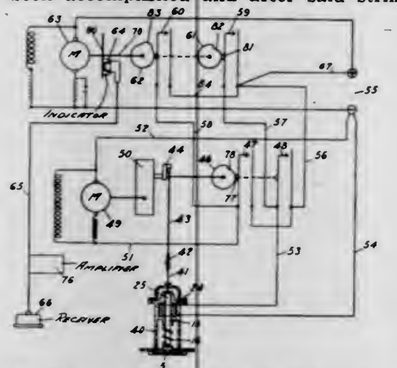


1. A combination for the heating of a baby's nursing bottle and its contents with energy supplied from an automotive electric system, comprising a casing fitted with a clamp attachable to the dashboard of said automobile, a resistance heating unit contained therein and insulated both thermally and electrically from the casing, one terminal of said heating unit connected to the ungrounded side of said electric system, and a single pole switch operative to connect the remaining terminal of said heating unit to the grounded side of said electric system thereby completing the electric circuit.

2,079,612
DEPTH MEASUREMENT
Howard Windsor Hollis, Quincy, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application July 30, 1931, Serial No. 553,964
10 Claims. (Cl. 177—386)

2. In combination in a depth sounding system, a mechanical impact-producing means including a striking element, means positioning said element to allow a reciprocating movement, spring means adapted to be compressed in one part of the movement of the striking element and to drive the striking element in another part of the movement, energizing means for moving the striking element in that part of the stroke compressing the spring including means interlocking said energizing means with said striking means, means

limiting the motion of said striking means, and a yielding connection allowing the energizing means to move after the compression of the spring has been accomplished and after said striking

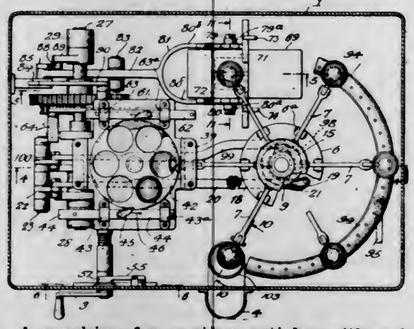


means has come to rest, and means controlled by the energizing means for releasing the interlocking means after the striking element has reached the end of the movement compressing the spring.

2,079,613
HYDROXYCYCLOALKYLAMMONIUM SALTS
Harold S. Holt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 27, 1934, Serial No. 759,337
15 Claims. (Cl. 260—112)

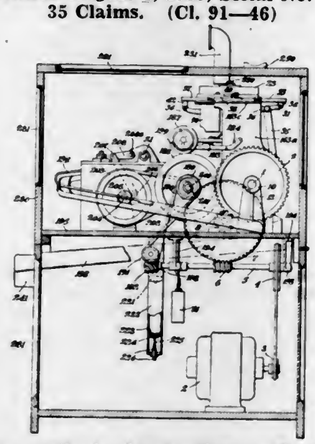
1. An ammonium salt of an organic monobasic acid wherein one and only one ammonium hydrogen is replaced, and that by a monovalent organic radical containing, attached to the nitrogen atom, an hydroxyl substituted hydroaromatic ring.

2,079,614
COATING MACHINE
Maynard F. Holt, Rye, and Sigmund N. Lipowski, New York, N. Y.; said Lipowski assignor to said Holt
Application January 30, 1933, Serial No. 654,188
15 Claims. (Cl. 91—55)



1. A machine for coating articles with a lacquer comprising a conveyor for carrying the articles to be coated and means for moving the conveyor in combination with an article dispenser for receiving articles to be lacquered and delivering the articles on to the conveyor, a lacquer containing receptacle, drying means for assisting the drying of lacquer, and delivery means for delivering articles from the machine, all operatively related to and disposed successively about the path of the conveyor, means for causing vertical movements in opposite directions of the conveyor and the lacquer receptacle respectively to dip an article carried by the conveyor in the lacquer, and control means for said lacquer receptacle moving means.

2,079,615
GOLF BALL RECOATING
Maynard F. Holt, Rye, and Sigmund N. Lipowski, New York, N. Y.; said Lipowski assignor to said Holt
Application August 1, 1935, Serial No. 34,124
35 Claims. (Cl. 91—46)



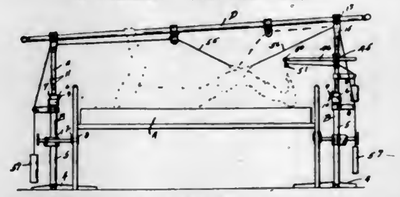
1. The method of recoating used golf balls which comprises immersing the ball beneath the surface of a pool of coating liquid, raising the ball to a predetermined position above said surface, maintaining the ball at that position a predetermined period of time to permit draining off of excess coating liquid whereby liquid accumulates near the bottom of the ball, inverting the ball to cause even distribution of liquid thereon and thereafter rapidly rotating the ball to cause drying of the coating thereon.

2. In a machine for recoating used golf balls by a dipping operation the combination of a container adapted to hold coating liquid to a predetermined depth therein; a conveyor arm having a ball supporting end portion; means to move said end portion through a predetermined path in a vertical plane from a first position where it is beneath the surface of the lacquer in the container to a third position where it is above said surface; and means to interrupt the movement of said end portion through said path and to maintain said end portion for a predetermined period of time at a second position above said surface and intermediate the above mentioned first and third positions to permit draining of lacquer from said ball.

2,079,616
RESINOUS COATING COMPOSITIONS
Horace H. Hopkins, Springfield, Henry Lyne Plummer, Philadelphia, and Leslie Field Stone, Rutledge, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 24, 1933, Serial No. 682,040
4 Claims. (Cl. 260—4)

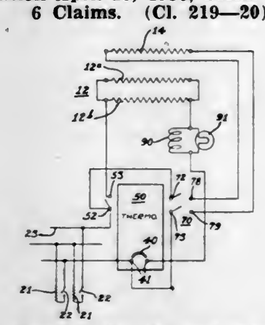
1. A process which comprises heating polyhydric alcohol in the presence of basic catalyst with the varnish obtained by heating drying oil with oil soluble phenol-aldehyde resin, continuing said heating until the two phases merge into a single phase, and heating the resulting product with polycarboxylic acid until the desired degree of condensation has occurred.

2,079,617
COMBINATION REST BAR AND FRACTURE STAND
Johan Hilding Johnson, Salt Lake City, Utah
Application May 20, 1933, Serial No. 671,965
3 Claims. (Cl. 128—84)



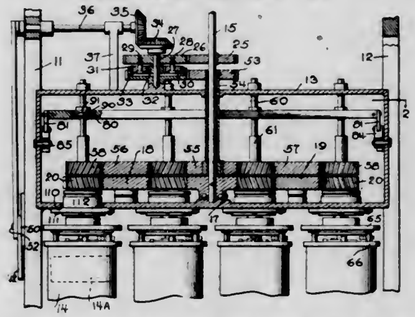
1. In a fracture stand and rest bar to be used with a hospital bed, the combination of vertical hollow stands, one to be placed at each end of the bed; a foot for each stand, upon which it is supported; a clamp to secure each stand to the adjacent end of the bed; a reducer clamp secured onto the top end of each stand having the top portion reduced and adjustable, to be tightened onto a stand pipe; a stand pipe to be passed down into each vertical hollow stand and be adjustable as to height by the adjustment of the reducer; a casting carried on the top end of each stand pipe with a transverse opening therethrough in which a sheave wheel is mounted for rotation, and with the top end of the casting bifurcated; a sleeve clamp rest bar bracket pivotally mounted in the bifurcated end of each casting; and a longitudinal rest bar mounted in said sleeve-clamps from end to end of the bed adjustable as to height or angle relation to the bed.

2,079,618
STOVE
Bertrand B. Kahn, Cincinnati, and Carl J. Hake, Hamilton, Ohio, assignors to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application April 13, 1936, Serial No. 74,036
6 Claims. (Cl. 219—20)



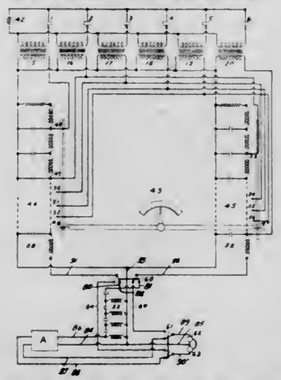
3. An electric heating arrangement of the character described and adapted to be connected to a power source comprising an oven, a baking element and a broiling element selectively energizable from said power source, thermostatic means for controlling the energizing of said baking element to maintain a desired temperature within said oven, adjusting mechanism for said thermostatic device, means operable in one position of said adjusting means for positively opening the circuit to said baking element, and means operable in another position of said adjusting means for effecting the energizing of said broiling element.

2,079,619
TUBE SPINNING HEAD
Samuel Lippincott Griswold Knox, Englewood, N. J.
Application June 13, 1936, Serial No. 85,164
20 Claims. (Cl. 118—49)



1. In a tube spinning machine, the combination of a tube in which yarn is laid in spirals, and a spinning head operatively related thereto, driven tube head and laying plate elements included within the spinning head, means driving said driven elements at different speeds, and means varying cyclically the speed of one of said elements with reference to the differential speed between said elements.

2,079,620
DIRECTION FINDING
Willy Kunze, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application February 21, 1931, Serial No. 517,510
In Germany April 30, 1930
10 Claims. (Cl. 177—386)



2. In combination, a plurality of spaced receivers, a compensator, means for using said compensator for the binaural or maximum-minimum method, a high pass filter, a pair of telephone receivers connected to said compensator, and means for connecting the filter in circuit before said tele-

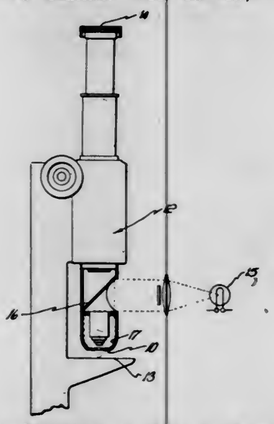
phone receivers in using the maximum-minimum method and omitting the filter in using the binaural method.

2,079,621

DEVICE FOR USE IN ILLUMINATING SYSTEMS EMPLOYING POLARIZED LIGHT

Edwin H. Land, Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J., a corporation of New Jersey

Application August 27, 1935, Serial No. 38,088
6 Claims. (Cl. 88—40)



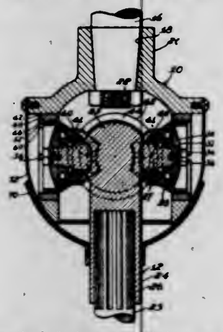
2. In combination a thin unitary ring-like polarizing element having an aperture therein and positioned to polarize a ring-like beam, means adapted to cause a beam traversing said polarizing element to be reflected through the aperture therein, and an analyzer positioned to intercept said beam and having its plane of polarization positioned at substantially right angles to the plane of polarization of said ring-like polarizer.

2,079,622

UNIVERSAL JOINT

Eugene Everett La Rose, Youngstown, N. Y.

Application February 21, 1936, Serial No. 65,118
16 Claims. (Cl. 64—7)



1. A universal joint comprising a drive shaft, a driven shaft, a cup on the drive shaft, a ball on the driven shaft received in the cup on the drive shaft, a plurality of pins secured to the ball at substantially right angles to the driven shaft and spaced substantially equally about the ball, the cup having cone-shaped openings each receiving a pin, a truncated cone-shaped roller mounted on frictionless bearings on each pin near its extremity, means for adjusting each roller along its pin to provide a take-up for wear, a sleeve positioned in each cone-shaped cup opening and adapted to have rotary movement therein about its axis, said sleeves slidably engaging with the ball at their inner ends, spring means associated with each sleeve and limiting the extent of said rotary movement and normally holding the sleeve in a central position, each sleeve having opposed flat surfaces for engagement with a roller and an apron secured to the driven shaft and forming a sliding seal with the cup.

2,079,623

TOBACCO TREATMENT

Paul La Frone Magill, Ransomville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 15, 1936, Serial No. 74,599
7 Claims. (Cl. 131—31)

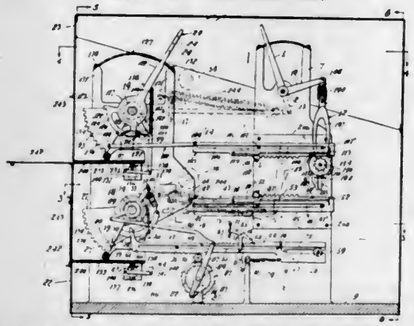
1. A process for treating tobacco which comprises applying formamide thereto.

2,079,624

MEANS TO PREVENT FRAUDULENT MANIPULATION OF SHEETS IN LOOSE LEAF SYSTEMS

Ralph F. Major and Joseph E. Farner, Pittsburgh, Pa.

Application January 21, 1933, Serial No. 652,858
10 Claims. (Cl. 235—58)



1. In a device of the class described, means for progressively impressing a continuous series of numbers on a series of sheets, totalizing means actuatable by said impressing means for indicating the sum of the numbers impressed, additional means for impressing a selected number on one of said aforesaid sheets withdrawn from said series of sheets, and means in cooperation with said additional means and said totalizing means for subtracting the absolute value of said selected number from the total indicated by said totalizing means.

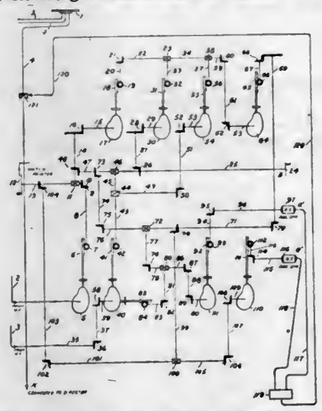
2,079,625

APPARATUS FOR FIRE CONTROL

Clyde H. Morgan, Lakewood, Ohio

Application August 21, 1934, Serial No. 740,803
2 Claims. (Cl. 235—61.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a system for gun fire control, a height finder, an auxiliary sighting instrument at a predetermined distance therefrom, a calculator, means for transmitting data from the height finder to the calculator, means for transmitting resulting data from the calculator to the auxiliary instrument, and means for transmitting corrections in height necessary to place the auxiliary instrument on the target back to the calculator.



2,079,626

SYNTHETIC RESIN VARNISHES AND SYNTHETIC RESINS

Howard Houlston Morgan, Slough, and Alan Ashby Drummond, Iver, England, assignors to Imperial Chemical Industries Limited, London, England

No Drawing. Application October 23, 1929, Serial No. 401,966. In Great Britain November 9, 1928
2 Claims. (Cl. 260—4)

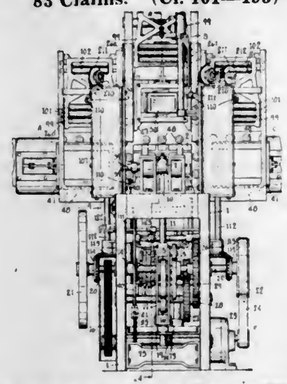
1. A process which comprises heating together formaldehyde and a phenol in the presence of an alkaline catalyst and a volatile organic solvent for the reaction product boiling within the range of about 160° C. to about 210° C., acidifying the product with a weak acid, distilling the acidified product until water is removed, adding thereto an ester of a fatty oil acid, and continuing the distillation until a drop of the solution dries clear when tested on a hot plate.

2,079,627

PRINTING PRESS

William J. Nightingale, Flint, Mich., assignor to Nightingale Printing Presses, Inc., Flint, Mich.

Application January 29, 1934, Serial No. 708,861
83 Claims. (Cl. 101—193)



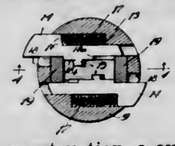
1. In a printing machine, the combination with a reciprocatingly mounted platen and platen reciprocating means, of a plurality of reciprocatingly mounted chase carriers disposed in pairs, the chase carriers of each pair being in alinement and reciprocating in the same plane which plane is at right angles to the travel of platen reciprocating means, the chase carriers being in cooperating relation to said platen at the inner end of their travel, a support with which said chase carriers coact when in printing position, means for successively actuating said chase carriers providing predetermined periods of rest when in printing position, platen actuating means synchronized with the actuation of each of said chase carriers, an inking means operatively associated with each chase carrier, and means for actuating said inking means when the chase carriers are in retracted position.

2,079,628

LOCK PLUG CONSTRUCTION

Phillip W. Olson, Grand Rapids, Mich., assignor to The Automatic Musical Instrument Company, Grand Rapids, Mich., a corporation of Michigan

Refiled for abandoned application Serial No. 728,734, June 2, 1934. This application December 11, 1935, Serial No. 53,962
12 Claims. (Cl. 70—364)



1. In a lock construction, a cylinder plug comprising a body portion having a longitudinal keyway slot and transverse tumbler slots therein, widened slots formed at the ends of the keyway slot, bars of wear resisting metal inserted in said widened slots and forming sides of the keyway, and a cover member secured to the end of the body portion for retaining the bars in position.

2,079,629

METHOD OF PREPARING TEXTILE PRINTS

Herbert Platt, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application January 6, 1934, Serial No. 705,568
6 Claims. (Cl. 41—26)

6. Process for the production of pattern effects on pile fabrics the pile of which contains cellulose acetate, which comprises printing a design on the pile ends only, while the pile is erect, with a composition containing an effect material and a low viscosity cellulose acetate thickening agent in a medium containing a low-boiling solvent, a medium-boiling solvent, and a plasticizer, all for the cellulose acetate in the pile of the fabric, said composition having a viscosity such that it will adhere to the ends of the pile without flowing to the bottom thereof.

2,079,630

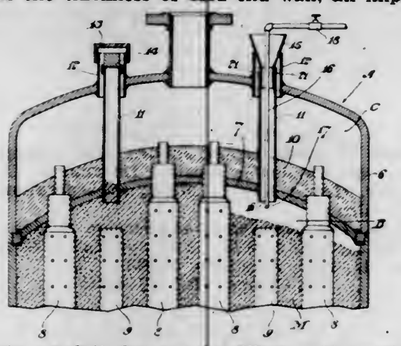
CHARGING OF CASES WITH CONTACT MATERIAL

Thomas B. Prickett and Raymond C. Lassiat, Woodbury, N. J., assignors to Houdry Process Corporation, Dover, Del., a corporation of Delaware

Application September 12, 1934, Serial No. 743,692
12 Claims. (Cl. 23—288)

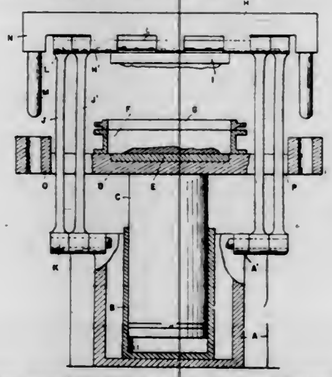
1. A converter providing a reaction chamber and a fluid manifolding chamber adjacent there-

to, and bounded on one side by the outer wall of said converter, a partition separating said chambers, a plurality of perforated conduits extending within said reaction chamber in spaced relation and in substantial parallelism, ends of said conduits being mounted in said partition and providing fluid communication through said partition between said manifolding chamber and said reaction chamber, an opening in the aforesaid outer wall of said converter, a tubular sleeve mounted in said opening in said outer wall, the length of said sleeve being substantially greater than the thickness of said end wall, an imper-



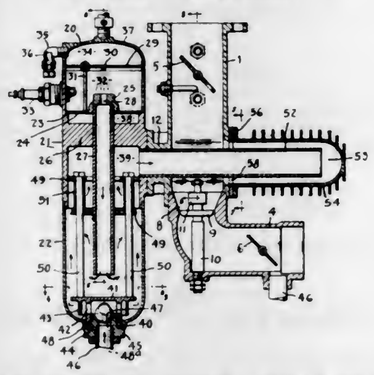
forate conduit for use in filling said reaction chamber with contact material, said imperforate conduit being mounted in the aforesaid partition in registering relation with an opening therein, and extending through the said fluid manifolding chamber and extending loosely within the said sleeve to permit free axial expansion or contraction of said imperforate conduit with respect to said sleeve, the end of said conduit terminating within said sleeve, a closure for said sleeve, and a closure for said conduit within said sleeve and removable after removal of said first-named closure.

2,079,631
MOLDING MACHINE
John A. Rathbone, Pinckney, Mich.
Application December 24, 1935, Serial No. 56,051
6 Claims. (Cl. 22—43)



1. The combination with opposed members, a ram mounted on one of said members movable towards the other, and obliquely crossing links pivotally connected at their opposite ends to the respective members at spaced points and together adapted to receive the stress incident to the impact of the ram, said links permitting the swinging and simultaneous rotation about a horizontal axis of one of said members with respect to the other member.

2,079,632
METHOD OF GASIFYING LIQUID HYDROCARBON FUELS
Enoch Rector, New York, N. Y.
Application December 14, 1935, Serial No. 54,377
3 Claims. (Cl. 48—212)



1. The method of converting liquid hydrocarbon fuel characterized by a range of volatility, into substantially completely fixed gases suitable for use as fuel for consumption in internal combustion engines and the like, comprising: admixing a small quantity of fuel with a regulated amount of atmospheric air, subjecting said quantity of air and fuel to substantially complete combustion, introducing a second quantity of atmospheric air to the products of combustion evolved by said original mixture of air and fuel after its combustion but prior to appreciable cooling thereof to obtain an intensely hot mixture of combusted gases and air having an oxygen content sufficient only to spontaneously cause partial combustion of a relatively large body of such hydrocarbon fuel when injected thereinto, and injecting and intimately admixing, with said heated mixture of combusted gases and air, prior to appreciable cooling thereof, a regulated quantity of said liquid hydrocarbon fuel, whereby partial combustion of said relatively large body of said liquid hydrocarbon fuel is effected, with said secondly-admitted quantity of atmospheric air, sufficient to heat and gasify the remaining uncombusted portion of said injected fuel without completing the combustion thereof.

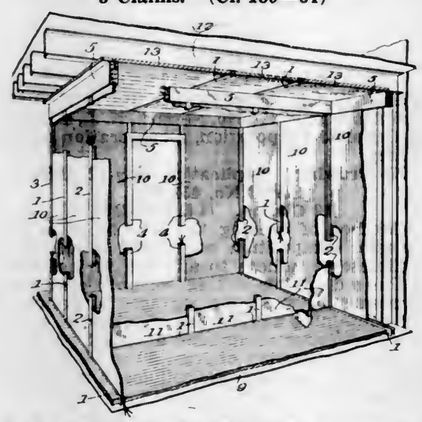
2,079,633
SYNTHETIC RESINS
Henry S. Rothrock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 17, 1935, Serial No. 54,948
3 Claims. (Cl. 260—4)

1. A process for forming solutions of heat-hardening unmodified phenol-formaldehyde resin which are capable of being blended with fatty oil to produce a solution of said resin in the oil, said process comprising reacting as sole reacting ingredients phenol and formaldehyde in the presence of a catalyst consisting of a mild acid catalyst only and a solvent consisting essentially of a completely volatile solvent of the class consisting of monohydric aliphatic alcohols and mononuclear aromatic hydrocarbons, and continuing the heating in said solvent until a highly condensed resin is formed, said mild acid catalyst being one of the group consisting of zinc acetate, copper acetate, and boric acid.

2,079,634
MANUFACTURE OF YEAST
Alfred Schultz, New York, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application August 18, 1932, Serial No. 629,393
12 Claims. (Cl. 195—76)

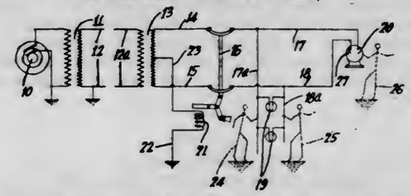
6. In a process for the manufacture of yeast, the improvement which comprises producing a yeast having an invertase content several times that of normal yeast by first propagating yeast in a nutrient solution with aeration, and then effecting a yeast fermentation of the thus propagated yeast at a rate of aeration which will prevent any considerable propagation during said fermentation in a solution containing yeast nourishing inorganic salts, introducing a yeast fermentable sugar material into the fermenting solution throughout the fermentation period, and controlling the acidity of the medium and maintaining the same during said propagation and said fermentation at a pH value of 4.5 to 6.0.

2,079,635
STATEROOM AND ACCOMMODATION ENCLOSURE FOR SHIPS AND THE LIKE
George G. Sharp, Wyoming, N. J.
Application February 13, 1935, Serial No. 6,337
In Great Britain January 14, 1935
5 Claims. (Cl. 189—34)



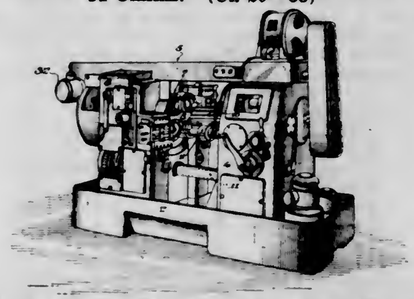
1. A self-contained wall structure comprising top and bottom members adapted to be fastened, respectively to ceiling and floor surfaces, and having spaced flanges forming substantially continuous horizontal channels which respectively face each other in the respective members, spaced corner and partition posts extending vertically between the top and bottom members and having substantially continuous vertical channels, and vertically disposed panels some of which are disposed in angularly intersecting relation to each other and all of which have their vertical edges disposed in the channels of said corner or partition posts, the ends of the posts extending no farther than the inner edges of the respective flanges of the top and bottom members and the top and bottom edges of the panels projecting past the ends of said posts and into the respective channels of the top and bottom members whereby to provide a readily assembled and disassembled structure in which the posts are free of direct connection with the ceiling and floor and the panels key the posts and top and bottom members together as a rigid interlocked assembly and themselves constitute substantially the sole means for fastening said parts in operative relationship.

2,079,636
DISTRIBUTION OF ELECTRICITY
L. Alan Sharp, Bellevue, Pa.
Application September 9, 1933, Serial No. 688,822
5 Claims. (Cl. 175—294)



1. An electrical distribution system comprising electrical supply wires and consumption circuit wires supplying energy to lamps, motors and the like, means for automatically de-energizing said consumption circuit wires when any of said consumption circuit wires is grounded through a person's body, the said de-energizing means including means for isolating the supply wires from the consumption circuit wires, and a continuous metallic conducting path to the ground through a circuit controlling translating device from the consumption circuit side of said isolating means and at a potential different from that of any of said consumption circuit wires.

2,079,637
ELECTRICAL CHUCKING MECHANISM FOR MULTIPLE SPINDLE AUTOMATIC CHUCKING MACHINES
Charlie W. Simpson, Cleveland, Ohio, assignor to National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application November 19, 1935, Serial No. 50,538
31 Claims. (Cl. 29—38)



1. In a horizontal type machine of the class described, the combination of a horizontally supported tool carrying means and a horizontally supported indexible work spindle carrier reciprocal relatively to each other, said carrier having a plurality of spindles, a chuck carried by each spindle, means within each spindle for operating

its chuck, a single electric motor supported by the framework of the machine, and automatically shiftable direct driving means located exteriorly of the spindle and operated by the motor for axially directly engaging said chuck operating means within each spindle as it is successively indexed into position thereby to operate the chuck thereof.

2,079,638

PROCESS FOR PURIFYING CAUSTIC

Carl Sundstrom, Syracuse, N. Y., assignor to The Solvay Process Company, Syracuse, N. Y., a corporation of New York

No Drawing. Application June 7, 1932, Serial No. 615,945
8 Claims. (Cl. 23—184)

1. The process for removing a compound of iron from caustic solutions containing it, which comprises adding thereto a sufficient quantity of a soluble salt of magnesium to form a substantial quantity of precipitate but insufficient to react with all of the alkali, and separating the precipitate.

2,079,639

FOLDING TABLE

Swen M. Swensson, Chicago, Ill.

Application August 27, 1934, Serial No. 741,634
5 Claims. (Cl. 311—80)



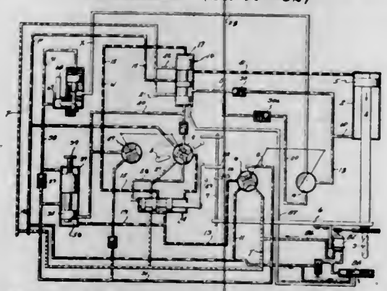
1. A folding table, comprising a standard, a top and a bottom board, and a support mounted on one side of the standard; a hinge with a horizontal axis connecting each of the boards with the standard, and a hinge with a vertical axis connecting the support with the standard, the support being positioned normally between the two boards and extending substantially from one to the other, one of the hinge axes being spaced from the standard farther than the other.

2,079,640

HYDRAULIC STEP DRILLING UNIT

Harry F. Vickers and Kenneth R. Herman, Detroit, Mich., assignors to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan

Application January 27, 1933, Serial No. 653,822
27 Claims. (Cl. 77—32)



1. A step drilling machine comprising in combination a cylinder, a piston, a piston rod connected to a drill or drills, a hydraulic circuit for delivering fluid to and from the opposite ends of said cylinder, a pump for continuously circulating liquid through the circuit, hydraulic means for moving the piston and the drill to and from the work at rapid traverse, automatically acting stop means for changing the rapid traverse into a feed rate and for controlling the position of feeding said drill into the work at progressively increasing depths, hydraulic means for controlling the length of each feed depth by measured volume displacement, hydraulic means for controlling the rate of movement during the feeding step, and independently adjustable means for regulating the clearance between the finish of the rapid traverse and the contact of the drill with the work.

2,079,641

CEMENTING CELLULOSIC PLASTICS

James F. Walsh, South Orange, and Amerigo F. Caprio, Newark, N. J., assignors to Celluloid Corporation, a corporation of New Jersey

Application January 11, 1930, Serial No. 420,156
4 Claims. (Cl. 154—2)



2. The process of joining objects at least one of which is a cellulose acetate plastic and at least one of which bears bleeding colors, comprising inserting a cellulosic acetate plastic cement comprising at least 60 parts plasticizer to 100 parts cellulose acetate between said objects and compositing the whole into an integral structure by means of heat and pressure.

2,079,642

CEMENTING MATERIAL

James F. Walsh, South Orange, Harry E. Smith and Amerigo F. Caprio, Newark, N. J., assignors to Celluloid Corporation, a corporation of New Jersey

No Drawing. Application May 12, 1930, Serial No. 451,862
13 Claims. (Cl. 154—2)

2. Method of causing the surface of a layer of plastic composition containing a derivative of cellulose to adhere to another surface without the aid of low-boiling solvents comprising interposing between the surfaces a preformed sheet containing a derivative of cellulose, a resin and a plasticizer comprising an alkyl phthalate present in proportion of from 50 to 100% on the weight of the derivative of cellulose and applying heat and pressure.

2,079,643

YARN AND FILAMENT AND METHOD OF PREPARING SAME

William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application January 19, 1934, Serial No. 707,428
20 Claims. (Cl. 28—1)

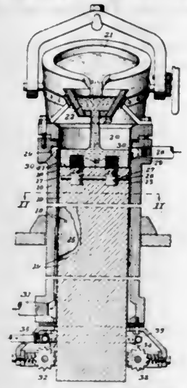
1. Method of improving the properties of yarns, fibres, fabrics and films comprising incorporating therein an organic material comprising a salt of an aliphatic diamine.

2,079,644

METHOD AND APPARATUS FOR CONTINUOUS CASTING

Edward R. Williams, Latrobe, Pa., assignor, by mesne assignments, to Edward R. Williams and Julia Lee Cox Williams, both of Latrobe, Pa.

Application May 5, 1936, Serial No. 77,971
7 Claims. (Cl. 22—200.1)



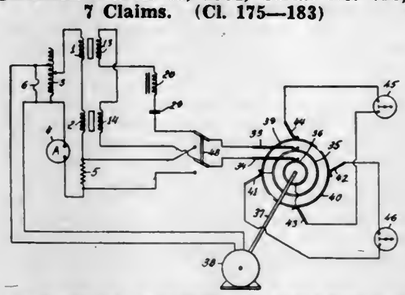
1. The method of continuously casting metal into ingot form which consists in continuously pouring metal into the top of a molding tube having high thermal conductivity and passing a shallow stream of cooling fluid at high velocity along the outer surface of said tube and in contact therewith whereby said surface is maintained at a temperature such that a layer of solidified metal is almost immediately formed around the outside of the metal so poured of sufficient strength to permit drawing the metal so molded downwardly through the tube.

2,079,645

ELECTRICAL ANALYSIS-METHOD

Theodor Zuschlag, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York

Application March 23, 1934, Serial No. 716,940
7 Claims. (Cl. 175—183)



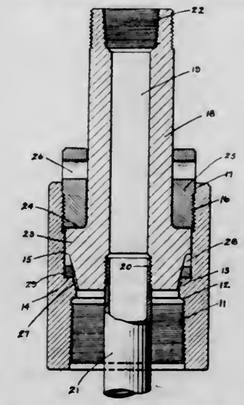
1. The method of magnetic analysis which comprises simultaneously establishing alternating magnetic fluxes in a standard of known magnetism affecting properties and in a specimen to be tested, inducing by means of said magnetic fluxes two secondary currents, opposing said currents in a circuit, filtering out all but one harmonic of the resulting differential current, breaking up said filtered differential current into two or more components displaced from each other by constant phase angles, simultaneously integrating said components, and producing the integrated components for inspection.

2,079,646

TUBING HEAD

Walter A. Abegg, Los Angeles, Calif.

Application October 3, 1934, Serial No. 746,661
4 Claims. (Cl. 285—22)



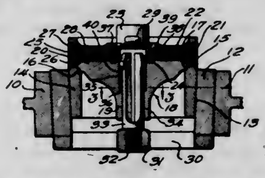
1. In a tubing head structure, an annular metallic packing ring having opposite parallel faces, a straight cylindrical side wall and an inwardly and downwardly tapered central opening therethrough, the lower face of said packing member being formed with a series of recesses radially corrugating said face to permit a pressure fluid to exert force against the under face of the gasket.

2,079,647

VALVE FOR SLUSH PUMPS AND THE LIKE

Walter A. Abegg, Los Angeles, Calif., assignor of one-half to Baldwin Reinhold, Los Angeles, Calif.

Application December 31, 1934, Serial No. 759,968
3 Claims. (Cl. 251—127)



1. A slush pump valve comprising an adapter sleeve, said sleeve having an internal and external taper, and carrying a bridge mounted at its lower end, a valve seat mounted therein, a valve member for said seat, a split valve stem mounted upon the bridge to reciprocably support the valve member and means upon the split end of the valve stem for limiting the movement of the valve member with relation to the seat.

2,079,648

CATCH

Gedor W. Aldeen and Thorsten Erickson, Rockford, Ill., assignors to American Cabinet Hardware Corp., Rockford, Ill., a corporation of Illinois

Application October 23, 1933, Serial No. 694,703
13 Claims. (Cl. 292—17)

1. A catch for the door of a cabinet or the like comprising, in combination, a supporting base adapted to be fixedly mounted adjacent the door and having a pair of spaced extensions, a pair of

spaced contact members pivotally mounted on and separately supported by the respective extensions and adapted to be pivoted away from each other by a strike carried by the door and adapted to enter between said members, the

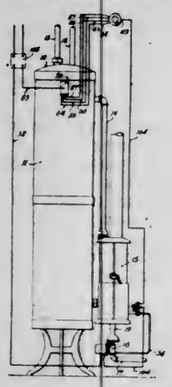


pivotal axes of said contact members for entering movement of the strike being located at the front portion of said members, and a spring carried by said supporting base and tending to pivot said contact members toward each other.

2,079,649
QUICKLY PREPARED RAW VEGETABLE SOUPS
Hugh E. Allen, Evanston, Ill., assignor of one-half to Albert G. McCaleb, Evanston, Ill.
No Drawing. Application January 11, 1935, Serial No. 1,308
4 Claims. (Cl. 99—124)

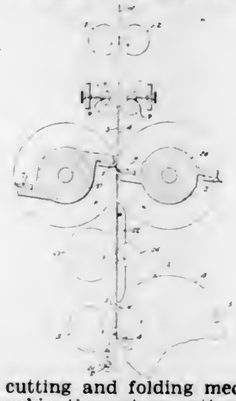
2. A dry powder wherewith to make soups and the like, said powder containing, thoroughly intermixed, uncured finely divided dehydrated raw vegetables and vegetable protein, and sufficient sodium nitrite to effect a substantially instantaneous cure of the vegetables and protein when and only when the constituents of the powder approach the simmering temperature of water added thereto.

2,079,650
HOT WATER SUPPLY REGULATOR
Lyle Beeman, Milwaukee, Wis.
Application April 14, 1934, Serial No. 720,590
5 Claims. (Cl. 236—20)



1. In a hot water supply system the combination of a water storage tank, a gas burning water heater therefor, and means controlled by the temperature of the water in the supply of gas to said system for controlling said heater to thereby normally maintain the water in said tank at a predetermined temperature, an element adjustable to regulate the temperature thus maintained, and a second element independently adjustable to temporarily increase the temperature of the water in said tank.

2,079,651
WEB AND SHEET CONTROLLING MEANS
Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application August 1, 1935, Serial No. 34,189
2 Claims. (Cl. 164—68)

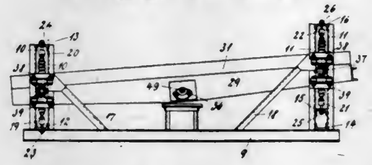


2. A web cutting and folding mechanism including in combination rotary cutters, a cylinder having sheet taking devices, a rotatable bar for pressing the sheet head against said cylinder at the instant of sheet taking, and sheet guiding means including a guide member extending from the cutting locus beyond said sheet taking locus, said bar being recessed to pass said guide member during the taking of the sheet.

2,079,652
MANUFACTURE OF ESTERS FROM OLEFINES
Harold S. Davis and Alfred W. Francis, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 9, 1934, Serial No. 714,821. Renewed September 27, 1935
10 Claims. (Cl. 260—106)

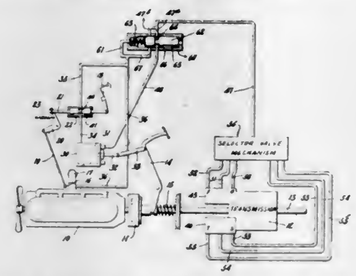
1. In the method of making an alkyl fatty acid ester by the chemical interaction of an olefine with a fatty acid in intimate contact with a strong non-volatile inorganic acid and separating the ester from the reaction products thus formed, the steps which comprise maintaining said intimate contact until a substantial proportion of the olefine is converted into the corresponding alkyl fatty acid ester and then separating the alkyl ester from the reaction mixture at substantially atmospheric pressure by distillation in contact with an added olefine gas, the temperature and pressure of the reaction mixture during said interaction being sufficiently elevated to produce a substantial rate or speed of said chemical interaction but the temperature being less than that at which substantial reversal of the interaction takes place, and the temperature of the reaction mixture during distillation being sufficiently elevated to produce a substantial rate of evaporation of the alkyl ester from the reaction mixture but less than that at which substantial dissociation of the alkyl ester occurs, and separating the ester from the olefine gas.

2,079,653
VIBRATING MECHANISM
Hans Heymann, Darmstadt, Germany, assignor to Carl Schenck Eisengiesserei & Maschinenfabrik Darmstadt, G. m. b. H., Darmstadt, Germany
Application November 18, 1932, Serial No. 643,239
In Germany December 3, 1931
5 Claims. (Cl. 74—26)



1. In a vibrating mechanism composed of a stationary support and a vibrating part suspended in springs and excited to periodic oscillations by rotating unbalanced weights, a plurality of stops rigidly connected with said vibrating part, each arranged near the suspension springs, resilient stops rigidly connected with the stationary support, and arranged two by two so as to provide between each pair of them and each of the first-named stops a space somewhat greater than the normal oscillation amplitude of the vibrating part.

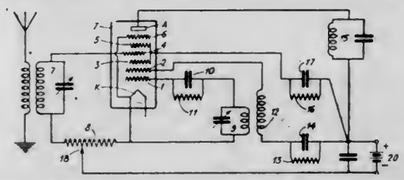
2,079,654
FLUID PRESSURE OPERATED GEAR SHIFTING DEVICE
Douglas F. Linsley, Old Greenwich, Conn., assignor to Vaco Products, Inc., a corporation of Delaware
Application March 25, 1935, Serial No. 12,961
8 Claims. (Cl. 192—.01)



1. In a vacuum operated gear shifter system, the combination of an internal combustion engine, a vacuum operated clutch operated by said engine, a shiftable gear transmission, a vacuum operated gear shifter therefor, auxiliary means for operating said clutch and means for creating vacuum by operation of said auxiliary means and for applying the vacuum to the vacuum operated gear shifter.

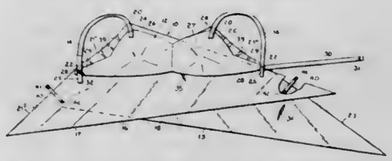
2,079,655
RADIO RECEIVER
Nolke Sieds Markus and Maximiliaan Julius Otto Strutt, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application May 14, 1935, Serial No. 21,352
In Germany June 6, 1934
4 Claims. (Cl. 250—20)

1. In a combined oscillator and detector device, the combination of an electron discharge tube having a cathode, an oscillator grid, an oscillator anode, a signal grid and a plate arranged in the order named, an input circuit including a coil shunted by a condenser and tunable to the signal frequency, a resistor having one end connected to the lower end of said coil and its other end to said cathode, the upper end of said coil being directly connected to said signal grid; a second coil shunted by a condenser and resonant to a local oscillation frequency, a direct connection between one end of said second coil and said cathode, a circuit including a series resistor connecting the



other end of said second coil and said oscillator grid, a condenser shunted across said resistor, a source of positive potential, a circuit including the series connection of a third coil and a resistor connecting the positive terminal of said potential source and said oscillator anode, said third coil being inductively coupled to said second coil, a circuit connecting the negative terminal of said potential source to said cathode and a circuit connecting the positive terminal of said potential source and said plate and including a portion resonant to the intermediate frequency.

2,079,656
LADY'S GARMENT
Florence M. Mirsky, New York, N. Y.
Application December 27, 1935, Serial No. 56,388
3 Claims. (Cl. 2—42)

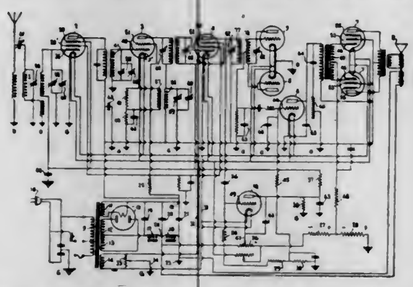


1. A garment of the class described comprising a combined brassière and waist, said brassière comprising a front portion for confining the bust of the wearer, and said waist comprising separate triangular shaped portions each attached adjacent an upper apex portion thereof to said front portion of the brassière at the upper edge of the latter, the base of one triangular portion intersecting the base of the other triangular portion when the garment is in flat condition, and when said garment is worn each of said waist portions extending in opposition directions in overlapping relation from one side across the front and back of the wearer to the opposite side of the latter and releasably secured in said relation.

2,079,657
AUTOMATIC VOLUME CONTROL
Garrard Mountjoy and Stuart W. Seeley, Jackson, Mich., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 21, 1933, Serial No. 676,783
12 Claims. (Cl. 250—20)

1. In receiving sets, a vacuum tube amplifier, a circuit having means to render it selective to any-

one of a plurality of modulated frequencies, means to produce a negative bias on the control electrode of said tube that varies directly with the intensity of the carrier frequency of the signal



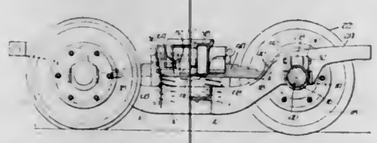
being received, and means to cause the second mentioned means to increase the bias as the first mentioned means is rendered selective for either side band frequency of said signal.

2,079,658

TRUCK

Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application July 29, 1932, Serial No. 625,733
4 Claims. (Cl. 105—182)



1. In an inboard truck, the combination of spaced wheel and axle assemblies, a side frame extending therebetween and comprising a rigid member having seats adjacent said assemblies, a spring extending between and supported on said seats, a load carrying member supported by said spring and having a yoke provided with inner and outer jaws embracing said spring, said load carrying member having a side bearing disposed above said yoke and extending outwardly beyond said spring, said outwardly extending portion of said side bearing being reinforced by said outer jaw.

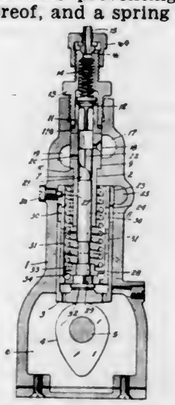
2,079,659

FUEL INJECTION PUMP

Robert E. Olin, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application January 31, 1935, Serial No. 4,215
4 Claims. (Cl. 103—41)

1. A fuel injection pump comprising a housing, a cylinder therein, a plunger reciprocable in said cylinder and projecting therebelow, a tappet cup slidably mounted in said housing concentric with said plunger and cooperating with the lower end thereof, a tappet for actuating said tappet cup, a sleeve rotatably mounted in said housing concentric with said plunger with its lower end extending into said tappet cup, means for oscillating said sleeve, a plunger cup mounted in said tappet cup, said sleeve and said plunger cup having cooperating portions permitting relative axial movement but preventing relative rotary movement, said plunger cup and said plunger having cooperating portions preventing relative rotary movement thereof, and a spring mounted in said



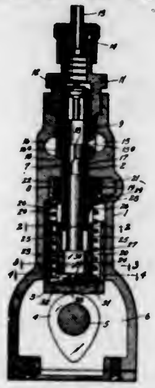
sleeve and said plunger cup for retracting said plunger, said tappet cup and said plunger cup.

2,079,660

FUEL INJECTION PUMP

Robert E. Olin, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application April 22, 1935, Serial No. 17,637
4 Claims. (Cl. 103—41)



1. A fuel injection pump comprising a cylinder, a piston reciprocable in said cylinder and projecting from one end thereof, a sleeve rotatably supported throughout its entire length on said cylinder, and a member fixed to the projecting end of said piston and having a portion overlapping and supported on said end of said cylinder and having a connection with said sleeve permitting relative axial movement but preventing relative rotary movement of said sleeve and said member.

2,079,661

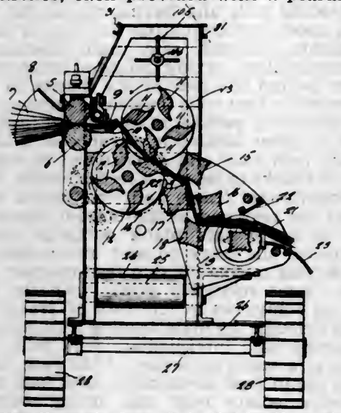
FIBER SEPARATING MACHINE

David E. Patterson, Philadelphia, Pa.

Application February 19, 1932, Serial No. 594,070
6 Claims. (Cl. 19—30)

1. A machine for separating the material in plant stems comprising feed rollers, and vibratory means for bending the stems at intervals to break open the outside part thereof, supplemental means for removing the pithy interior parts of the stems from the outside fibrous parts, said

last-mentioned means comprising a pair of rotary assemblies, each provided with a plurality of



longitudinally spiral and individually rotatable blades.

2,079,662

BRAKE CONTROL MECHANISM

Frederick W. Pooley, Brooklyn, N. Y.

Application January 28, 1935, Serial No. 3,683
10 Claims. (Cl. 188—196)



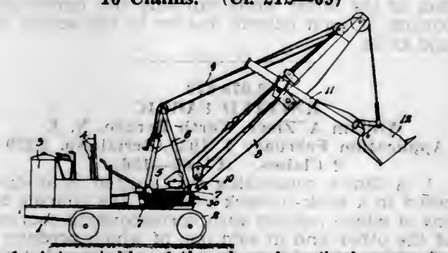
1. An apparatus of the class described comprising a take-up device including two pivotally mounted levers for transmitting the braking force, a rotatably mounted screw threaded rod joining said levers, a yieldably positioned housing member, a rotatable ratchet mechanism and cam follower associated with said housing, said rod being retained in slidable engagement with the housing, a cam actuator located on the rod meshing with the cam follower, the cam actuator in its forward movement with the rod rotating the follower so that when the movement exceeds a predetermined maximum limit the follower cam is locked in an advanced position through means of the ratchet mechanism, the cam actuator rotating the rod as the meshing cams completely engage during the return movement of the device.

2,079,663

BALL BEARING TURNTABLE

Alvin C. Rasmussen, Indianapolis, Ind., assignor, by mesne assignments, to Insley Manufacturing Corporation, a corporation of Indiana

Application September 17, 1934, Serial No. 744,461
16 Claims. (Cl. 212—69)



1. A turntable of the class described, comprising a stationary member having a raceway in the outer periphery thereof, a rotatable member superimposed thereon in overhanging relation thereto, the latter member having a raceway in the inner periphery adapted to register with the raceway in the stationary member, balls received in said raceways and serving to secure said members together so as to prevent relative vertical movement therebetween incident to the application of a force couple to one of said members, and means for sealing the lower extremity of the overhanging sides of the rotatable member with respect to the stationary member.

2,079,664

METHOD OF MAKING LIGHTWEIGHT ARTICLES

William R. Seigle, Mamaroneck, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application July 23, 1932, Serial No. 624,292
4 Claims. (Cl. 25—154)



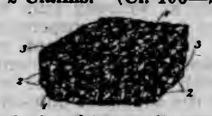
1. In making an article of manufacture including a binder and collapsible particles containing voids, the method which comprises providing the voids in the said particles with a filling of a warm, mobile mixture of starch and water, allowing the particles with the filled voids to cool to convert the mobile liquid to a stiff paste, forming a mixture of a binder composition with the thus filled particles, shaping and compressing the mixture, and then hardening and drying the shaped product.

2,079,665

LIGHTWEIGHT CERAMIC COMPOSITION

William R. Seigle, Mamaroneck, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application July 23, 1932, Serial No. 624,293
2 Claims. (Cl. 106—21)



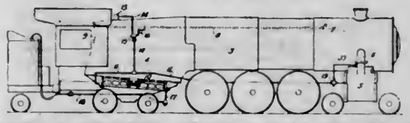
1. A sound-absorbing unit comprising exfoliated micaceous material in the form of particles of size of the order of 4 to 10-mesh and a binder of ceramic material in fired condition adhering the particles into a unit, the voids in the exfoliated micaceous material being in communication with an exterior surface of the unit.

2,079,666

FLUID PRESSURE CONTROL MEANS

Herbert W. Snyder, Lima, Ohio

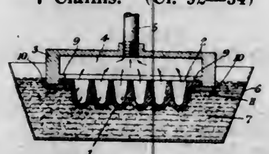
Application June 9, 1934, Serial No. 729,758
9 Claims. (Cl. 110—57)



1. For a locomotive fire-box air preheater incorporating heat exchange elements, a pipe for supplying locomotive cylinder exhaust steam to said elements for heating purposes, a check valve in said pipe arranged so that flow of exhaust

steam tends to open the valve, a fluid pressure actuated device for opening the valve, and means for supplying steam from the locomotive boiler to said device.

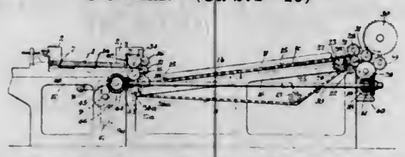
2,079,667
PULP MOLDING
George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey
Application March 13, 1935, Serial No. 10,789
7 Claims. (Cl. 92—54)



1. An apparatus for forming wet pulp articles of irregular contour, having a receptacle containing a thin pulp suspension in water of the character described, a housing having a vacuum chamber, a mold of porous stone-like material forming part of the walls defining said chamber and having one of its faces exposed to said chamber, and its other face recessed to conform to the shape of the article to be formed, said mold having pores of finer size adjacent certain recessed portions thereof, the last mentioned face of the mold being immersed in said liquid suspension of the pulp, whereby pulp will be progressively drawn from the suspension and deposited in sheet form on the last mentioned face of the mold, by the vacuum action of the chamber, with relatively reduced deposit of pulp on said last above mentioned portions of the mold.

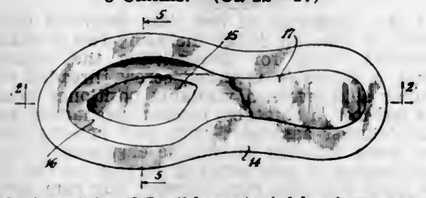
3. The method of forming wet pulp articles of irregular contour from a thin liquid suspension of the pulp of the order of 98% water and 2% pulp, which comprises immersing an irregular face of a porous body of stone-like material in a supply of said suspension, and simultaneously exposing another face of such body to the action of a vacuum whereby pulp will be progressively drawn from the suspension and progressively built up in a sheet of substantially uniform thickness on the first mentioned face of the mold, with the outer face of the sheet in contact with the supply of pulp-in-water suspension, in accordance with the amount of water drawn through the mold by the aforesaid vacuum action.

2,079,668
BLANK FEEDING MECHANISM FOR PRINTER-SLOTTERS
George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey
Application June 1, 1935, Serial No. 24,463
5 Claims. (Cl. 271—10)



1. A mechanism for feeding blanks to a corrugated paper board printer-slotter machine having frictional main blank feeding rolls, means for driving said rolls in timed relation to the parts of the machine which perform the desired operations on the blank, a chain feed mechanism for the blanks located immediately in advance of said feeding rolls and having means for driving it at a speed approximating the rate of travel of the blanks through said main feeding rolls, said mechanism having pushers constructed to engage behind the rear of the blanks to be fed, intermediate feed rolls located in advance of the blank-receiving portion of said chain feed mechanism, a frame located in advance of said intermediate feed rolls and constructed to support a stack of blanks to be fed, a feed member working underneath said frame and constructed to push against the rear end of the bottom blank of the stack to move said blank partially out from underneath the stack to said intermediate feed rolls, driving means for said feed member engaging the same relatively slowly with the bottom blank as compared to the rate of travel of the blanks through the main feeding rolls, and means for driving said intermediate feed rolls to feed blanks at a speed in excess of the rate of travel of said chain feed mechanism, said feed member and intermediate feed rolls being coordinated to feed the blanks to points on the chain feed mechanism which are somewhat in advance of said pushers.

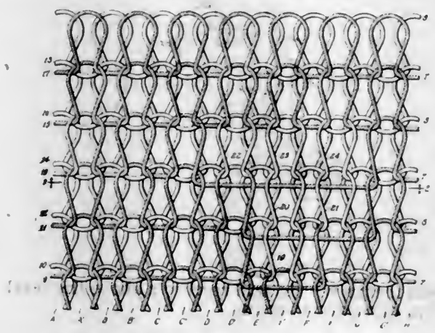
2,079,669
DEVICE FOR MAKING COMPOSITE SHOE SOLES
Harvey V. Weil, Glendale, Long Island, N. Y., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application February 26, 1935, Serial No. 8,275
5 Claims. (Cl. 12—17)



1. A matrix of flexible material having a recess in its upper surface adapted to receive and hold a flat piece of outsole leather rounded to outsole size, said matrix being adapted to be passed with such outsole leather through a splitting machine having a straight splitting knife and having a flat upper surface adapted to pass beneath such knife and a flat bottom substantially parallel with such upper surface, said recess having its shank and heel portions and the margin of its forepart portion of a depth less than the thickness of the outsole leather and the center of its forepart portion of a depth of at least the thickness of the outsole leather, and which supports said outsole leather so as to permit maximum inward flexing of the center forepart portion of the latter while exposing the remaining portion of such outsole leather to the action of said knife.

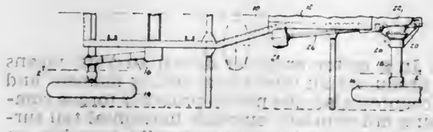
2,079,670
KNITTED FABRIC
William A. Zieve, North Bergen, N. J.
Application February 7, 1935, Serial No. 5,339
2 Claims. (Cl. 66—196)

1. A fabric comprising two knitted webs disposed in a back-to-back relation, the courses of one of which register with corresponding courses of the other and in said one of which predetermined lengths of loop-forming yarns peculiar to predetermined courses are floated at predetermined wale-locations so that a portion of said one web is devoid of loops and so that a portion of the other web appears in the form of a predetermined design through the loop-devoid portion of said one web, certain marginal loops of said design portion being interlooped with certain



loops of said one web adjacent said design portion and certain portions of said lengths of loop-forming yarns being confined intermediate said webs and other portions of said lengths being confined intermediate the interknitted loops of said design portion.

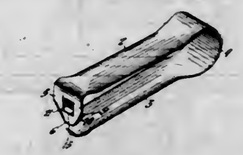
2,079,671
AUTOMOBILE CHASSIS SUSPENSION CONSTRUCTION
Joseph Zubaty, Plzen, Czechoslovakia
Application November 5, 1934, Serial No. 751,473
11 Claims. (Cl. 180—73)



1. A motor vehicle having drive gearing, a housing forming a sealed enclosure for the gearing, a pair of half axle assemblies each including a half axle member pivotally articulated with the gearing within the housing and an axle tube having a forked end partially encompassing the housing and pivotally supported externally thereof for swinging movement, a torsion member secured to each axle tube extending lengthwise of the vehicle in prolongation of the pivotal axis of the tube to rotate upon swinging movement thereof, and means engaging each torsion member at a point spaced from the half axle assembly to yieldingly resist rotation of the torsion member.

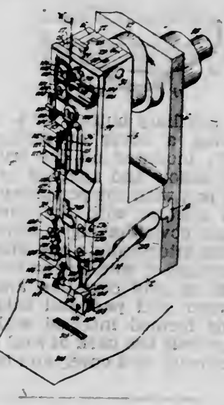
2,079,672
STAPLE-EXTRACTOR
Howard G. Allen, Edgewood, and Herbert A. Bickford, Warwick, R. I., assignors to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine.
Application December 28, 1934, Serial No. 759,528
7 Claims. (Cl. 254—28)

1. A staple-remover of the type indicated comprising a strip of resilient material folded to form opposed arms, inwardly directed cooperating members at the ends of the arms adapted for lateral movement with respect to each other, one of said members having a tapered backing face and a cam projecting at an angle to the plane of the backing face, and a prying element on the other of said members, the backing face being adapted



for insertion under the crossbar of a clinched staple to a position where the tapered sides engage the legs and the opposite prying member being adapted to move the crossbar on the cam to withdraw the staple by bending the legs about the edges of the backing plate.

2,079,673
STAPLING OR WIRE-STITCHING MACHINE
Howard G. Allen, Edgewood, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine
Application May 31, 1935, Serial No. 24,288
49 Claims. (Cl. 1—2)

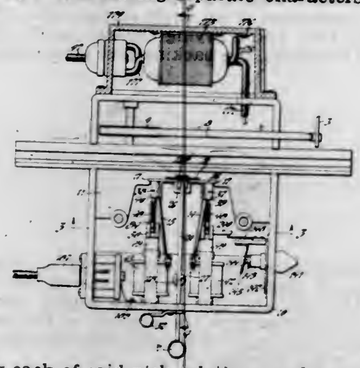


1. In a stapling or wire-stitching machine, a frame, a head, means for mounting the head on the frame, means at the front of the head for feeding a length of wire to be formed into a staple, means at one side of the head for bending the wire adjacent one end thereof, parallel to the front of the head, means acting after the first-mentioned bending means for bending the length of wire adjacent its opposite end to form a staple in a plane parallel to the front of the head, and means operable in the same direction as the feeding means for driving the formed staple into the work.

2,079,674
MACHINE FOR RECORDING TEXTILE CONSTRUCTIONS OR DESIGNS
Gilbert Bell, Lonsdale, R. I.
Application December 21, 1933, Serial No. 703,398
6 Claims. (Cl. 197—1)

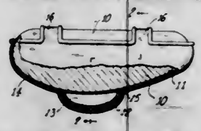
1. An apparatus for recording cloth construction in which the record consists of a representation in aligned sequence of the over and under pick relation of the weft to the warp threads of

a fabric comprising mechanically-operative recording means having separate characters indi-



cating each of said pick relations, and means for operating said characters to form the record.

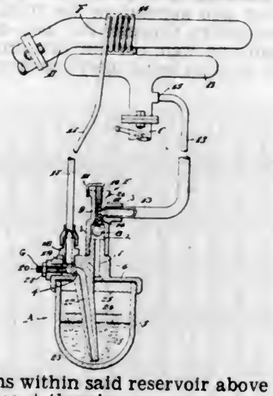
2,079,675
RUPTURE PAD COVER
Elias C. Bishelany, Brooklyn, N. Y.
Application September 28, 1935, Serial No. 42,631
1 Claim. (Cl. 128—95)



A snap-on auxiliary button for a rupture truss pad comprising a cover of resilient material adapted to be mounted on the truss pad, said button being hollow and adapted to be mounted on said truss pad with the periphery of said button lying in contact with the surface of said truss pad, said cover having a convex elevation formed therein intermediate one side of said pad, the convex surface of said button being affixed to the underside of said elevation and registering therein between said pad and said cover, and endless bands formed integral with said cover adapted to encircle the back of said truss pad for releasably securing said cover and button to said truss pad.

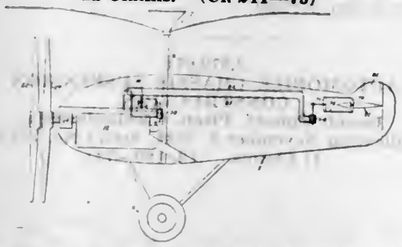
2,079,676
CYLINDER OILER FOR INTERNAL COMBUSTION ENGINES
Henry A. Carson, Burbank, Calif.
Application April 7, 1936, Serial No. 73,132
1 Claim. (Cl. 123—196)

In an oiler for internal combustion engines, a liquid lubricant reservoir, a pipe line connected with the intake manifold of such an engine, a fitting connecting said pipe line with the upper side of said reservoir and having a valve chamber therein, a ball valve normally closing the opening in the lower side of said chamber and which is moved by suction in said pipe line towards the upper side of said chamber, a spring against the action of which the ball valve moves to close off communication of the chamber with said pipe line, means for varying the tension of said spring, a by-pass permitting a flow of lubricant past said valve when the latter is closed, a coil of tubing around the exhaust manifold of said engine and having one end open to the atmosphere, means for conducting heated air from the tubing to a point below the level of the lubricant within the reservoir, and valve means for controlling the flow of heated air into said chamber; a baffle



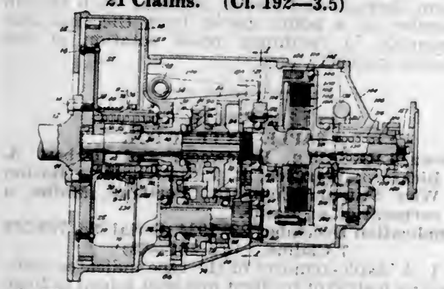
screen means within said reservoir above the level of the lubricant therein.

2,079,677
AIRPLANE
Dudley B. W. Brown, Dobbs Ferry, N. Y.
Application July 23, 1936, Serial No. 92,090
11 Claims. (Cl. 244—75)



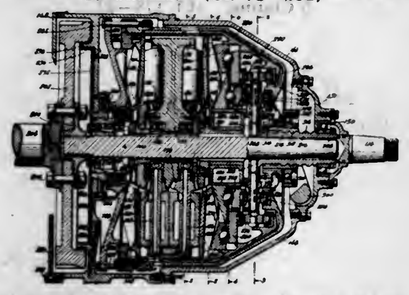
1. In a motor-propeller driven aircraft, means for producing an intentional rolling moment and for counterbalancing motor-propeller torque comprising differentially operable horizontal tail surfaces, and control means manually operable, on the one hand, for effecting differential movement of said tail surfaces, and responsive, on the other hand, to motor-propeller torque for automatically effecting differential movement of said tail surfaces.

2,079,678
TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Application May 4, 1934, Serial No. 723,889
21 Claims. (Cl. 192—3.5)



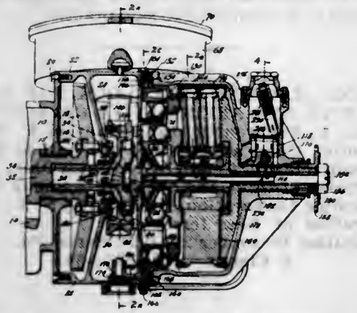
1. The combination with a gear shift transmission, of a coil clutch adapted to engage and disengage the transmission from a power means, and a permanently frictionally engaged clutch adapted for slippage when the engagement of the first said clutch would otherwise produce excessive acceleration.

2,079,679
TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Application May 29, 1934, Serial No. 728,058
40 Claims. (Cl. 74—281)



1. A transmission including in combination, a driving bevel gear, a reaction bevel gear, planetary pinions having different fixed ratios of driving engagement with respective gears, rollers secured to respective pinions, and driven means engageable with said rollers at variable drive ratios, said rollers being drivably connected together.

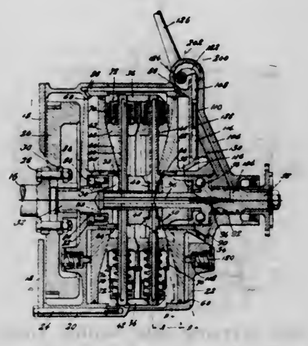
2,079,680
TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Application September 5, 1934, Serial No. 742,751
42 Claims. (Cl. 74—281)



1. In a transmission, in combination, rollers mounted for planetization about an axis, three members concentric with said axis, said members having roller driving contacts subtending respectively large, small and adjustable radii from said axis, one said member comprising member parts hydraulically restrained against relative rotational creepage, and another said member being axially opposed to the other two.

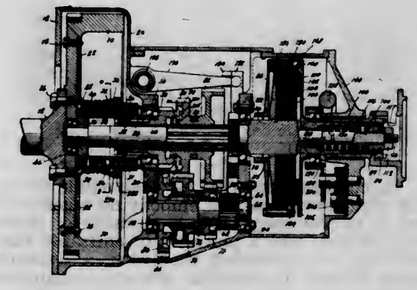
2,079,681
TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Application September 17, 1935, Serial No. 40,919
12 Claims. (Cl. 74—281)

1. A transmission including, in combination, mutually contacting disc and roller members movable along intersecting axes to vary the transmission ratio, hydraulic pistons associated with the respective members, hydraulic systems serv-



ing respective pistons, a control valve for one system, and a seat for said valve subject to movement by a member of the other system.

2,079,682
TRANSMISSION CONTROL
Roland Chilton, Ridgewood, N. J.
Original application May 4, 1934, Serial No. 723,889. Divided and this application December 31, 1935, Serial No. 56,901
5 Claims. (Cl. 74—336.5)

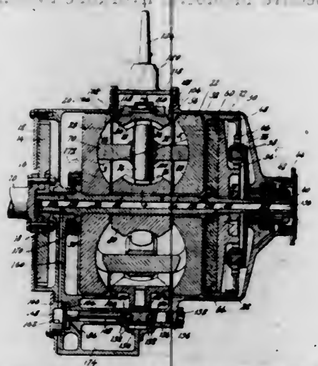


2. The combination with a transmission affording various gear ratios between driving and driven shafts, of a fluid pressure pump driven from one of said shafts, a piston movable by pressure from said pump, a spring means operatively connected to said piston to urge the piston to opposite movement, and gear shifting means operated by said piston movements into high and low gear ratios respectively, said gear shifting means including a cam and means connecting the cam to the piston for rotation thereby.

2,079,683
TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Application February 27, 1936, Serial No. 65,973
12 Claims. (Cl. 74—285)

1. In anti-friction contact loading devices for transmission members subject to relative rotation, hydraulic piston and cylinder means asso-

ciated with respective transmission members, sealing rings for said piston and cylinder means,



and a disc carrying said sealing rings and rotatably contacting one of said means.

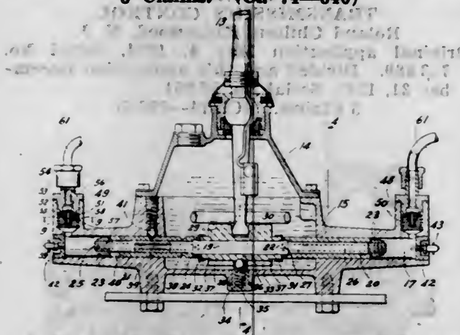
2,079,684

HYDRAULIC REMOTE CONTROL

Harold D. Church, Cleveland Heights, Ohio

Application December 2, 1935, Serial No. 52,467

3 Claims. (Cl. 74—346)



1. In combination with an automobile change speed gearing mechanism embodying a gear shift lever, a transmission case, a plurality of sliding gears therein, and a plurality of shiftable yokes operatively co-ordinated therewith, a hydraulic remote control mechanism therefor comprising a housing adapted to support said gear shift lever therein, the walls of said housing defining a reservoir, an incompressible fluid therein, a plurality of coaxially disposed cylinders in said housing, pistons in said cylinders, rods uniting the pistons in each pair of coaxially aligned cylinders, sleeves on said rods formed with slots adapted to receive the free end of said gear shift lever, fluid passages in said rods communicating with said reservoir and each cylinder respectively, a plurality of coaxially disposed cylinders in said transmission case, a rod constituting pistons extending within each pair of the coaxially disposed cylinders in said transmission case, said yokes being mounted on the central portion of said rods, conduits interconnecting respectively each pair of coaxially disposed cylinders in said housing with a pair of coaxially disposed cylinders in said transmission case, means co-ordinated with said sleeves in said first named pistons for sealing said fluid passages therein while the pistons are shifted to fluid ejecting position in their cylinders, and means to effect fluid communication between said reservoir and said cylinder after said pistons are adjusted to fluid ejecting position in their cylinders.

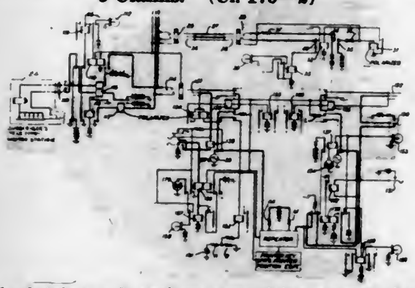
2,079,685

TELEGRAPH EXCHANGE SYSTEM

Karl E. Fitch, Chatham, and Fullerton S. Kinkead, Ridgefield Park, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 27, 1934, Serial No. 732,588

5 Claims. (Cl. 178—2)



1. A telegraph system comprising a central station, a plurality of subscribers' stations connected thereto, switch means at said central station for interconnecting said subscribers' stations, a practice circuit, means for connecting said practice circuit to any of said subscribers' stations to enable said subscribers to transmit practice signals, said practice circuit including means for preventing said subscriber's station testing busy at said central station, signal means for signaling the operator when said subscriber has finished practicing, and means for automatically interrupting said practicing circuit when another station is connected to a practicing subscriber's station so that the subscriber may receive messages during the time he is connected to said practice circuit.

2,079,686

VOTING MACHINE INTERLOCK FOR NEGATIVE AND AFFIRMATIVE BALLOTS

Arthur F. Foehrenbach and Ransom F. Shoup, Canton, Ohio, assignors of one-half to Berger Manufacturing Company, Canton, Ohio, a corporation of Ohio, and one-half to Shoup Voting Machine Corporation, Union City, N. J., a corporation of New Jersey

Application December 20, 1934, Serial No. 758,365

2 Claims. (Cl. 235—54)



1. A voting machine embodying an affirmative and negative voting unit, an interlock therefor for restraining the rotative movement of one of the voting lever shafts of said affirmative and negative voting units after operation of the other, said interlock comprising a pair of parallel shafts, a pair of arms mounted in spaced relation upon each of said shafts, pins mounted on said arms and disposed parallel said shafts, shoulders in said shafts intermediate their ends, plates mounted on said shafts, recesses in said plates engaged with said shoulders in said pins, peripheral cam faces in said plates, said shoulders being disposed in a common plane whereby said plates are retained in aligned position on said shafts and perpendicular thereto with the peripheral cam face of one of said plates disposed for engagement with the peripheral edge of the other of said plates upon operative adjustment of either of said shafts.

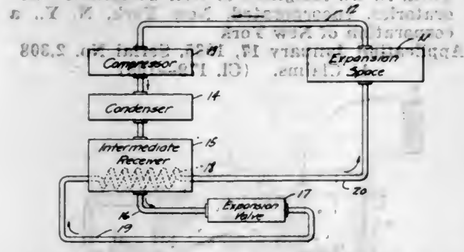
2,079,687

REFRIGERATING SYSTEM

Wilfred Fourness, Oakland, Calif., assignor, by mesne assignments, to Fourness Development Corporation, Ltd.

Application April 4, 1932, Serial No. 602,968

10 Claims. (Cl. 62—115)



1. In a refrigerating system utilizing a refrigerant that is cyclically liquefied, evaporated, and compressed by the aid of a compressor, the process which comprises condensing the refrigerant after it is compressed, passing the refrigerant after it is condensed, to a region at a temperature slightly below that of the space where the liquid is condensed, and retaining the refrigerant in that region until it is passed to an evaporating space.

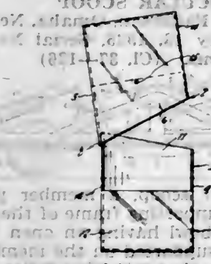
2,079,688

CONTAINER OR RECEPTACLE

Manuel boy Frank, Port Richmond, Staten Island, N. Y.

Application April 24, 1935, Serial No. 17,919

3 Claims. (Cl. 229—43)



3. A case comprising an open box and a telescoping cover therefor, one end of the box being narrower than the sides, the resulting exposed corners of the sides at the narrow end being cut off for facilitating the aligning, seating and closing of the cover upon the box.

2,079,689

REPEATING STATION FOR OCEAN CABLES

William S. Gorton, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 12, 1933, Serial No. 651,250

16 Claims. (Cl. 179—170)



2. A submerged sea repeater station comprising a water-tight casing, repeating apparatus therein and means for supporting said casing from the surface of the sea and for maintaining said casing in a floating condition submerged at approximately a fixed distance below the surface of the sea and substantially free from surface motions.

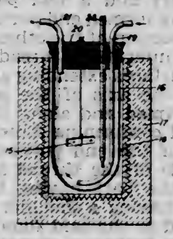
2,079,690

METHOD OF MAKING RESISTANCE DEVICES

Richard O. Grisdale, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 2, 1936, Serial No. 57,180

6 Claims. (Cl. 91—70)



3. A method of producing resistor units having a large negative temperature coefficient of resistance for use in electrical circuits which comprises subjecting a support to a bath of a solution of complex sulphur bearing silver salts in combination with alkali hydroxide, and heat treating the coated support in an atmosphere of pure dry nitrogen.

2,079,691

TRANSMISSION

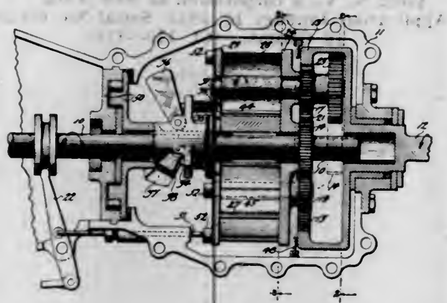
Francis J. Joyce, Keyport, N. J.

Application October 26, 1934, Serial No. 750,094

20 Claims. (Cl. 74—294)

1. In apparatus of the class described, the combination with a driving and a driven member, of an axially shiftable sun gear between the driving and driven members, a plurality of fluid pressure

chambers, a plurality of planet pinions co-axial with said chambers and having rotationally effective pressure elements extending into said chambers, said pinions constituting an intermediate variable ratio drive between said driving and driven members, centrifugal means, and valve means governed by the centrifugal means to control the displacement of a fluid from said chambers by said pressure elements.



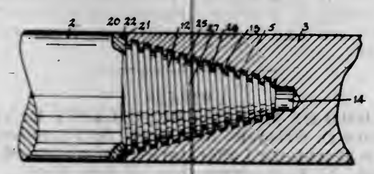
2,079,692

BROACH SHANK CONNECTER

Francis J. Lapointe, Ann Arbor, Mich.

Application October 16, 1933, Serial No. 693,728

3 Claims. (Cl. 287—125)



1. A joint for tools and the like and comprising a shank part and a tool part, each part having a conically formed end portion interfitting the conical end portion of the other part, the said portions having interfitting threads, each thread having helical surfaces extending substantially at right angles to the axis of the parts in which the thread is formed and along the axis of the joined parts and conforming directionally to the conical shapes of the end portions and located on the same side of the thread as the body of the said part, the part having the male cone shaped portions having a shoulder and an annular recess formed in the said shoulder, the other of the said parts having a concave conical surface located in opposed relation to the surfaces of the recess, a metal washer disposed between the said surfaces of the recess and the said concave conical surface and clamped by the conical surface into the recess and the said helical surfaces against each other by rotation of one threaded part relative to the other threaded part.

2,079,693

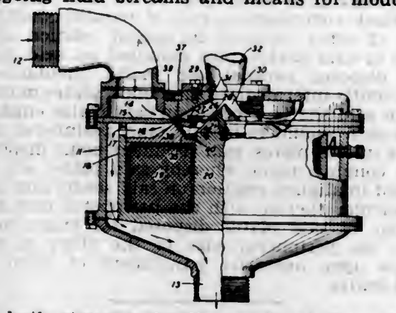
SOUND REPRODUCER

Clarence A. Lovell, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 17, 1935, Serial No. 2,307

9 Claims. (Cl. 179—108)

1. In a sound amplifying device, an outlet chamber having a sound radiating opening, orifices in the chamber for continuous incoming and outgoing fluid streams and means for modulating both streams simultaneously at the orifices in accordance with sound to be produced.



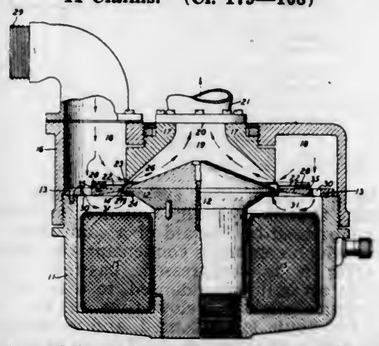
2,079,694

ACOUSTIC AMPLIFIER

Clarence A. Lovell and Raymond L. Wegel, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New New York

Application January 17, 1935, Serial No. 2,308

11 Claims. (Cl. 179—108)



6. A modulator for an acoustic amplifier comprising an annular diaphragm, a coil mounted on the diaphragm and a curved extension piece having a modulating edge on each side of the diaphragm, said extension pieces having substantially equal projections on the plane of the diaphragm.

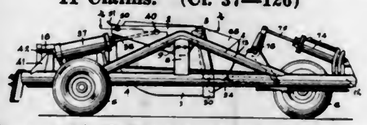
2,079,695

VEHICULAR SCOOP

Julius Wesley Patterson, Omaha, Nebr.

Application January 13, 1936, Serial No. 58,787

11 Claims. (Cl. 37—126)



5. In a vehicular scoop, a member pivotally supported on the supporting frame of the vehicular scoop, a scoop bowl having an open forward end and pivotally supported on the member at a point spaced from the axis of rotation of the member, a draw bar connected to the lower forward edge of the scoop bowl, means for oscillating the member to raise and lower the scoop bowl, a material gathering plate and means for forcing the plate into the scoop bowl through its open end to push gathered material inwardly into the bowl and for withdrawing the plate from the scoop bowl.

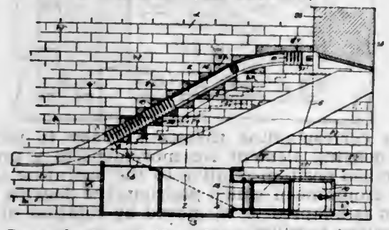
2,079,696

STOKER FURNACE

Herbert E. Preston, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 18, 1931, Serial No. 581,948

5 Claims. (Cl. 110—75)



1. In a device of the character described, the combination with a furnace wall having a relatively narrow passage therein extending below the points of maximum clinker formation, and terminating in the inner surface of said wall, of a plurality of nozzle elements detachably mounted in said terminal end in side-by-side relation, and lugs on the sides of said nozzle elements to retain them in spaced relation, said nozzles having their oppositely arranged faces beveled and forming therebetween nozzle openings inclined to the face of the wall through which a gaseous medium may be ejected from the passage over the inner surface of said wall embracing the points of maximum clinker formation.

2,079,697

LOADING COIL CASE

John E. Ranges, East Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 15, 1935, Serial No. 21,593

8 Claims. (Cl. 178—46)



1. A loading coil casing having a cylindrical casing means, a head recessed within the case and secured thereto in a metallic joint as by solder, a rigid metal head supported from within the casing and spaced from the outer head closure, and a fibrous washer arranged between the two heads to prevent molten solder from entering the casing.

2,079,698

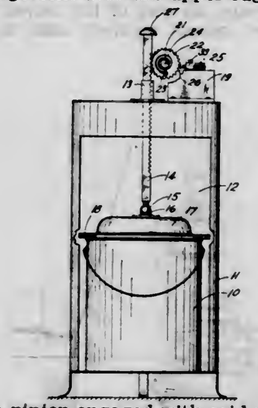
CONTAINER LID

Herbert Roesinger, Cleveland, Ohio

Application December 8, 1936, Serial No. 114,783

5 Claims. (Cl. 248—147)

1. In combination with a container, a cover actuating mechanism therefor comprising a supporting frame having an opening in the side wall thereof for the admission of a container, a reciprocative rack supported by said frame, a container cover mounted on said rack and adapted for engagement with the upper edge of said container, a pinion engaged with said rack, a helical spring mounted on said pinion and adapted to be wound upon rotation of said pinion and a ratchet engaged with said pinion for retaining said rack in cover-closing position upon said container.



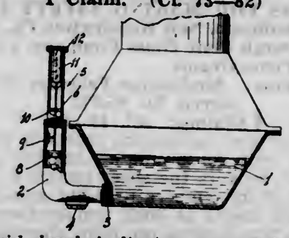
2,079,699

FLUID INDICATOR

George E. Thomas, Long Beach, Calif.

Application August 21, 1934, Serial No. 740,779

1 Claim. (Cl. 73—82)



A liquid level indicator comprising a float chamber adapted to be placed in communication with the liquid the level of which is to be measured, a fitting mounted on the float chamber, said fitting comprising a vertical tube, and a substantially horizontal tube intersecting the vertical tube and integrally formed therewith, a float in said chamber, a transparent indicating plate carried by the float and adapted to move vertically with movement of said float, said indicating plate extending into the vertical tube, a light bulb in the horizontal tube, a focusing lens in said horizontal tube, said light and lens being arranged on opposite sides of the indicating plate and a remote screen upon which the lens directly focuses the image of the indicating plate.

2,079,700

MACHINE TOOL ORGANIZATION

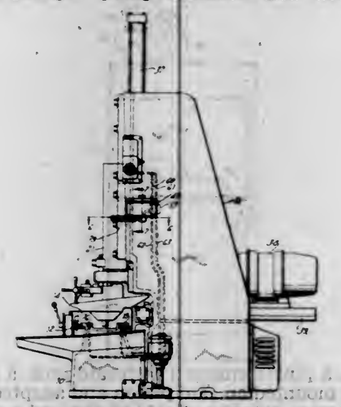
Walter D. Archea, Norwood, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application May 31, 1934, Serial No. 728,327

6 Claims. (Cl. 184—6)

1. In a broaching machine or the like having ways and a member reciprocable on the ways,

said member having a lubricant receiving recess formed therein and the ways having a lubricant discharged aperture disposed to aline with the recess during a portion of the stroke of the member, of means for intermittently effecting lubrication of the ways by way of the recess, including a plunger pump member and actuating



means therefor including a shiftable rod, and a cam dog carried by the member in position to engage the rod for actuation of the pump when the recess of the member is substantially aligned with the discharge port of the ways whereby automatic periodic injection of lubricant into the recess is effected.

2,079,701
PROCESS FOR MAKING SAFETY GLASS

Brook J. Dennison, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

No Drawing. Application February 25, 1936, Serial No. 65,733

4 Claims. (Cl. 49—81)

1. A process of laminating sheets of glass with a sheet of resin containing an amount of plasticizer which renders the sheet relatively soft and flexible at room temperatures but non-adherent to the glass sheets at such temperatures, which consists in first cooling the resin sheet to a temperature below room temperatures to stiffen and harden it and to facilitate the matching of the assembly and avoid the entrapping of air therein, placing the resin sheet between a pair of glass sheets and completing the lamination by applying heat and pressure to the assembly to cause the resin sheet to adhere to the glass sheets.

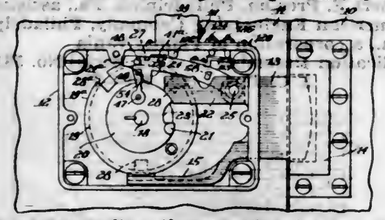
2,079,702
LOCK MECHANISM

William F. Diesel, Rochester, N. Y., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y., a corporation of New York

Application May 15, 1934, Serial No. 725,754

17 Claims. (Cl. 70—269)

1. In lock mechanism, a combination lock including a set of tumblers one of which comprises an operating tumbler, one or more of the tumblers being of greater diameter than the remaining tumblers, said set of tumblers corresponding to and operable according to one combination, the operating tumbler and the tumblers of increased diameter corresponding to and operable according to a different combination, a bolt dogging element associated with the operating tumbler for operation thereby when in a predetermined position relative thereto, and fence means associated with said dogging element adapted to prevent its movement to said position upon destroying either of said combinations, said fence means upon the successful operation of either of the combinations cooperating with the tum-



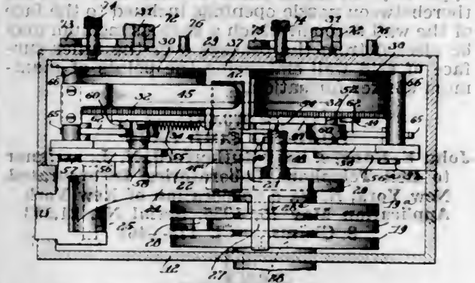
blers corresponding thereto whereby to release the dogging element for movement to a predetermined position relative to the operating tumbler from one of which positions the dogging element is adapted to be moved by rotation of the operating tumbler.

2,079,703
LOCK MECHANISM

William F. Diesel, Rochester, N. Y., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y., a corporation of New York

Application August 27, 1936, Serial No. 98,821

15 Claims. (Cl. 70—269)



1. In lock mechanism, a combination lock including tumblers having operating means, fence means associated with the tumblers, timing mechanism, and means controlled by the fence means normally holding the timing mechanism in check and serving to release the timing mechanism upon setting up one combination and to hold the timing mechanism against effective release upon setting up another combination in advance of the setting up of the first combination.

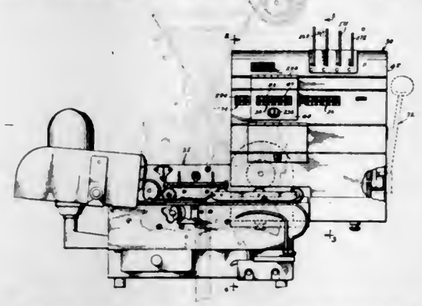
2,079,704
LOCKING SYSTEM FOR A SELECTIVE DENOMINATION REGISTERING AND PRINTING MACHINE

John Q. Finfrock, Los Angeles, and Frank P. Sager, Alhambra, Calif., assignors to National Postal Meter Company, Los Angeles, Calif., a corporation of California

Application June 13, 1934, Serial No. 730,402

10 Claims. (Cl. 235—101)

10. In a locking system for a selective denomination registering machine, a denomination selector means, a register for registering in money values the selected denomination each time the machine is operated, a normally inactive control counter arranged when set into operation to count in units each operation of the machine, a drive means for the machine, a mechanism operatively associated with the drive means but normally retained ineffective and when released operable for positively reducing to a predetermined lesser amount the maximum denomination which may be selected for registration during a single operation of the machine, means operatively responsive to the register when the amount registered therein passes a predetermined value for



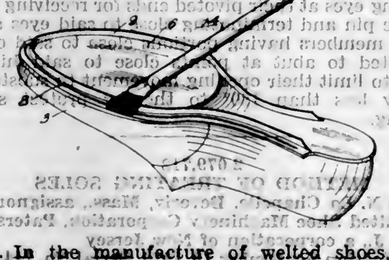
rendering the control counter operative and releasing said mechanism, means for preventing the selector means from being actuated to register a value greater than said predetermined lesser amount after said selector reducing means has functioned, and a locking means operatively responsive to the control counter for locking the machine against further use when the counter has operated a predetermined number of units.

2,079,705
METHOD OF LAYING CHANNEL FLAPS

Hiram Gordon, Columbus, Ohio, assignor to The Walker T. Dickerson Company, Columbus, Ohio, a corporation of Ohio

Application July 3, 1933, Serial No. 678,802

3 Claims. (Cl. 12—142)



1. In the manufacture of welted shoes, the steps which comprise slitting an outsole edgewise around its marginal edge to produce an integral channel strip, raising the strip initially from a natural flat position to an angular position, stitching the outsole around its marginal edges to an adjoining welt connected with the insole and upper of a shoe, smoothing said channel back into its natural position, lightly raising it again to avoid creasing, brushing a rapid drying pyroxylin base cement to the adjoining surfaces of said strip and outsole, immediately relaying said strip into place on said sole, and then subjecting said shoe to a uniform pressure to permanently bond said strip in engagement with said outsole, while the latter is in substantially the same state of temper as when slit and stitched.

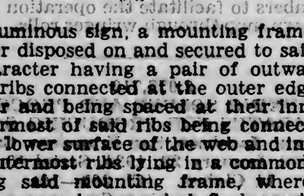
3. In the manufacture of shoes having channeled outsoles wherein the channel flaps are adhesively secured to the marginal portions of the shoe outsoles to conceal stitching, the steps which consist in applying a pyroxylin cement having the characteristics of a composition composed of toluol 40.9%, butyl acetate 17.6% alcohol 30.1%, nitrated cotton 7.4%, resin 3% and plasticizer 1% between the channel flap and outsole and then subjecting the flap to pressure to bond the same to the outsole.

2,079,706
METHOD OF LAYING CHANNEL FLAPS

Hiram Gordon, Columbus, Ohio, assignor to The Walker T. Dickerson Company, Columbus, Ohio, a corporation of Ohio

Application November 8, 1934, Serial No. 752,087

7 Claims. (Cl. 12—142)



1. As a new article of manufacture, a shoe having a stitched channeled outsole with the flap thereof permanently united to the sole margin under ordinary conditions of wear and service with a pyroxylin cement composed approximately of toluol 40.9%, butyl acetate 17.6%, alcohol 30.1%, nitrated cotton 7.4%, resin 3.0% and plasticizer 1.0%.

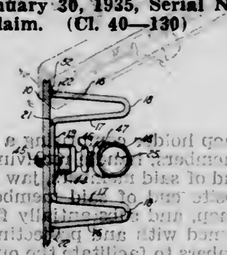
7. In the laying of channel flaps in shoes, the steps of applying a pyroxylin cement effective in the presence of moisture to said flap while the same is in a condition of temper, and then joining the flap to a shoe outsole.

2,079,707
LUMINOUS SIGN AND METHOD OF MOUNTING THE SAME

William Gordon, Raymond Nauth, and Karl Henry Kniep, Buffalo, N. Y., assignors, by mesne assignments, to Flexlume Corporation, Buffalo, N. Y., a corporation of New York

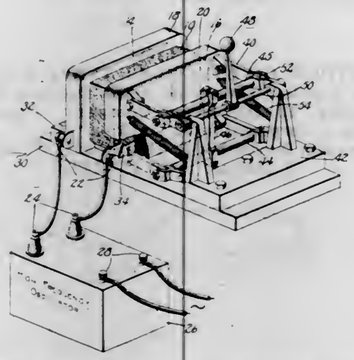
Application January 30, 1935, Serial No. 4,102

1 Claim. (Cl. 40—130)



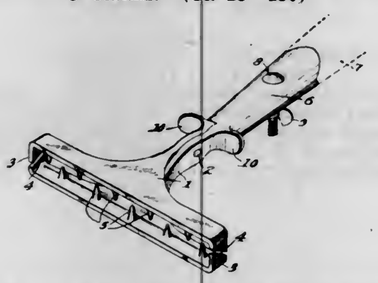
In a luminous sign, a mounting frame, a sign character disposed on and secured to said frame, said character having a pair of outwardly extending ribs connected at the outer edge of the character and being spaced at their inner ends, the innermost of said ribs being connected by a web, the lower surface of the web and inner ends of the outermost ribs lying in a common surface including said mounting frame, whereby said character may be mounted flush against said frame, a luminous tube disposed over said web and following the outline of said character, and means for mounting said tube to said web and said web to said frame.

2,079,708
DRYING SPONGES
George T. Hart, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 31, 1935, Serial No. 56,951
7 Claims. (Cl. 219—47)



1. The method of drying compressible material such as sponges or the like liable to shrinkage when dried, which consists in compressing the material an amount substantially equal to the shrinkage resulting from the drying operation, and in applying heat to dry the material while thus compressed.

2,079,709
MOP HOLDER
James L. Heider, Columbus, Ohio
Application March 18, 1935, Serial No. 11,539
3 Claims. (Cl. 15—150)

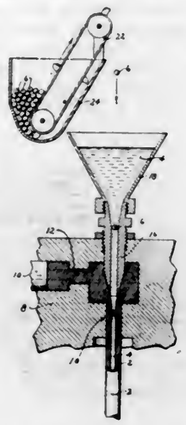


1. A mop holder comprising a pair of pivotally united members, handle receiving means formed at one end of said members, jaw means formed at the opposite end of said members for receiving a yarn mop, and substantially flat finger extensions formed with and projecting laterally from said members to facilitate the operation of drawing the yarn mop through wringer rolls.

2,079,710
SELF-FLUXING SOLDER AND PROCESS AND APPARATUS FOR PRODUCING SAME
Eugene Jacobson, San Francisco, Calif.
Application January 23, 1934, Serial No. 707,889
11 Claims. (Cl. 207—10)

1. A process of making flux-core solder including the steps of consecutively introducing flux and a plug into the bore of a solder tube.

11. Self-fluxing solder including in combination, a tube of solder, a flux core in said tube, and a series of plugs separate and distinct from

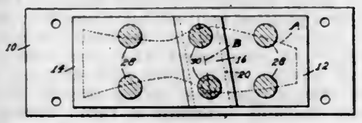


said tube in the bore thereof to prevent leakage of flux.

2,079,711
JEWELRY HINGE
Emil L. Johnson and Olof Lundsten, Attleboro, Mass.
Application April 22, 1935, Serial No. 17,680
3 Claims. (Cl. 24—253)

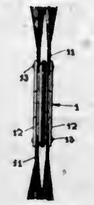
1. A jewelry finding comprising a pair of hinge members pivotally related by a hinge pin adjacent their inner ends and having a light spring to force the free ends together, said members having eyes at their pivoted ends for receiving the hinge pin and terminating close to said eyes and both members having portions close to said eyes adapted to abut at points close to said hinge axis to limit their opening movement to substantially less than 180° to thereby protect said spring.

2,079,712
METHOD OF TREATING SOLES
Fred N. La Chapelle, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 19, 1934, Serial No. 744,697
21 Claims. (Cl. 12—146)



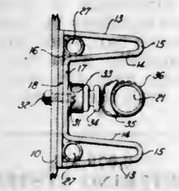
1. That step is preparing an unattached sole for incorporation in a shoe which consists in stressing the substance of the sole throughout the full width of the sole in a direction edgewise of the sole and in that portion which is in the immediate vicinity of the junction of the shank and forepart of the sole, while constraining the other portions of the sole against such treatment.

2,079,713
ROTARY BRUSH
Robert G. Mertes, Catonsville, Md., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application July 13, 1934, Serial No. 734,981
4 Claims. (Cl. 15—179)



1. A brush comprising a core formed of a plurality of elements, pins of crank shape secured between such elements and projecting to each side thereof through openings provided in said elements, tufts of bristles disposed directly upon the pins and plates secured to the pins whereby the bristle tufts are retained in operative position.

2,079,714
ILLUMINATED SIGN
Raymond Nauth, Buffalo, N. Y., assignor, by mesne assignments, to Flexlume Corporation, Buffalo, N. Y., a corporation of New York
Application January 30, 1935, Serial No. 4,103
8 Claims. (Cl. 40—130)

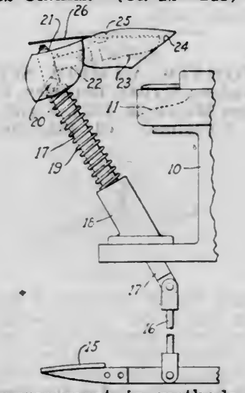


2. In a luminous sign, a sign character formed of light-transmitting material having its marginal portion defined by a pair of conjoined outstanding ribs spaced at the base of the character, a luminous tube disposed in the base between said ribs, and a second luminous tube disposed between said ribs and within said marginal portion.

2,079,715
PROCESS AND BATCH FOR MAKING CERAMIC BODIES
Gordon R. Pole, Creighton, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
No Drawing. Application May 9, 1933, Serial No. 670,214
6 Claims. (Cl. 106—9)

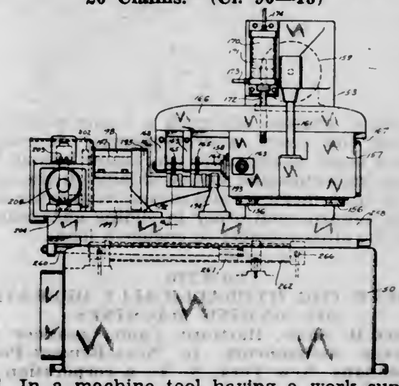
1. A batch mixture for a ceramic body which is highly resistant to molten glass attack, comprising a dense burned homogeneous mullite grog made from a raw mineral of the sillimanite group having a high expansion on burning and fine enough to pass through a sieve of about 100 mesh, and a dense burning refractory clay, and a raw bonding material for the grog of substantially the same physical and chemical composition as the material from which the grog is made.

2,079,716
METHOD OF MAKING SHOES
Joseph Prosper, South Norwalk, Conn., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 12, 1934, Serial No. 734,748
12 Claims. (Cl. 12—145)



7. That improvement in methods of making shoes which consists in applying cement to predetermined portions of the upper blank and/or the inner sole which are intended to be united to form the shoe, placing the unformed toe portion of the upper blank in contact with a toe form relatively to which the toe is to be wiped in order that it may assume the contour of said toe form, placing the toe portion of the inner sole on the toe form, then wiping the toe over the form and the inner sole and maintaining pressure between the sole and wiped portion sufficiently long to permit permanent union of the toe and sole, then manually pressing the side portions of the upper against the inner sole following along the line of the joining of the toe portion to the inner sole, and then applying the upper to a last relatively to which the heel is lasted.

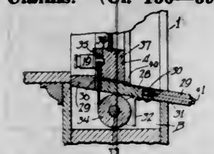
2,079,717
MACHINE FOR MILLING TURBINE BLADES
Erwin G. Roehm and Walter D. Archea, Norwood, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application January 22, 1935, Serial No. 2,908
20 Claims. (Cl. 90—15)



1. In a machine tool having a work support and a tool support, the combination of means for rotatably supporting a work piece on the work support for movement relative thereto, power

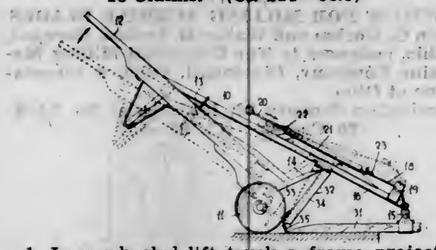
operable means for effecting relative movement between the tool support and the work piece along a rectilinear path and a curvilinear path in continuous succession whereby an irregular shaped surface may be formed on the work, and means to effect a relative translation between the tool and work during relative movement along said curvilinear path.

2,079,718
AUTOMATIC WINDOW SCREEN
Gaudenz Sgritta, Berkeley, Calif.
Application March 30, 1935, Serial No. 13,935
2 Claims. (Cl. 156—39)



1. A window frame including a sill which is so embodied in the frame as to partly define and cover a roller screen compartment, said sill having an opening which comes within the confines of the compartment, roller screen-carrying means comprising a base situated in the opening to complete the compartment but being narrower than the opening, brackets pendent from the base and a roller mounted on the brackets and having a screen wound thereon, means by which the base is attached to the sill so as to define a slot adjacent to the room side of the sill, the free end of the screen passing through the slot, means swiveled on the weather side of the sill and detachably connected to the adjacent side of the base by which to pull the confronting edges of the sill and base into weather-tight abutment, and a sash guided by the frame to which sash the free end of the screen is attached.

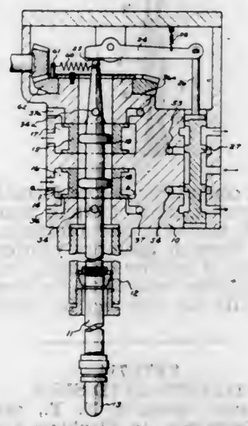
2,079,719
HAND TRUCK
Otto Schuetze, Tacoma, Wash.
Application November 2, 1935, Serial No. 48,013
15 Claims. (Cl. 214—65.5)



1. In a wheeled lift truck a frame projecting beyond the wheel, a cross-member depending from a point on the projecting frame beyond the wheel, load-engaging hooks slidable in the ends of the cross-member, and means for moving said hooks toward each other in sliding engagement with the cross-member to engage a load.

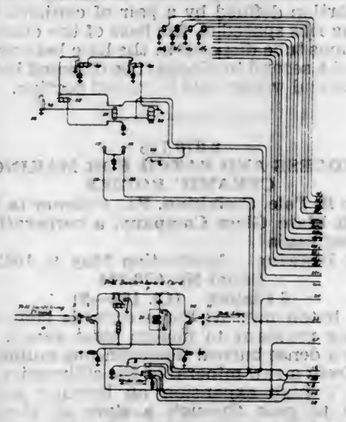
2,079,720
TRACER FOR HYDRAULICALLY OPERATED DIE SINKING MACHINES
Robert D. Shaw, Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, New York, N. Y., a corporation of New Jersey
Application January 28, 1936, Serial No. 61,211
9 Claims. (Cl. 90—62)

9. A combination contouring and profiling tracer for hydraulically operated die sinking machines comprising in combination, a body member, a universally oscillatory and longitudinally movable tracer bar therein, valve members laterally movable within said body member to open and close fluid supply and exhaust conduits of a hydraulic operating system controlling movements of members of said die sinking machine at right angles to each other by oscillatory movements of said tracer bar, and a valve member



movable axially relative to said body member to open and close fluid supply and exhaust conduits of said hydraulic system controlling movements of a member of said die sinking machine at right angles to the directions of movement of said above-mentioned members by longitudinal movement of said tracer bar, said valve members being movable laterally with the tracer rod in any axial position, and said valve member being movable axially with the tracer rod in any oscillated position.

2,079,721
METERING SYSTEM
Judson O'D. Shepherd, Atlanta, Ga.
Application July 23, 1932, Serial No. 624,257
22 Claims. (Cl. 179—7.1)



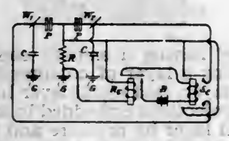
1. In combination, measuring apparatus, means for operating said measuring apparatus, means for controlling the operation of said measuring apparatus, as desired, automatic printing mechanism adapted to print the reading of said measuring apparatus, a plurality of conductors connecting said measuring apparatus and said printing mechanism, and means for electrically transmitting said reading to said printing mechanism by a single impulse comprising a combination of current individual to said reading flowing through a plurality of said conductors to cause said printing mechanism to print said reading.

2,079,722
METHOD OF MAKING SEPARABLE FASTENER SLIDERS
Gideon Sundback, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application July 15, 1933, Serial No. 680,575
3 Claims. (Cl. 18—59)



1. The method of making sliders of non-metallic material for separable fasteners of the class described comprising preparing a blank of generally keystone-shape, milling a Y-shaped groove in one side of the blank and sticking two of the milled parts together with the grooves facing each other to form a Y-shaped channel.

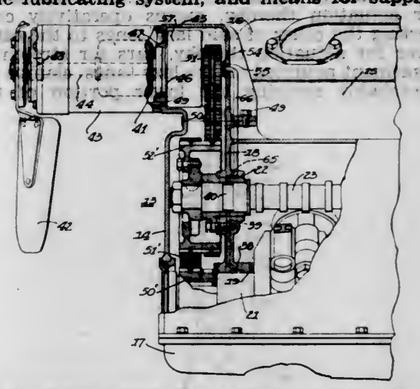
2,079,723
ELECTRICAL PROTECTIVE SYSTEM
Leland Kasson Swart, Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 13, 1934, Serial No. 730,498
9 Claims. (Cl. 179—78)



1. The combination of a line transmitting signaling currents, a circuit having a protector block, said protector block forming the only interrupter of said circuit, said circuit being permanently connected between the line and ground for by-passing currents induced in the said line on account of its exposure to extraneous sources, and a separate circuit coupled to said line for by-passing lightning discharges.

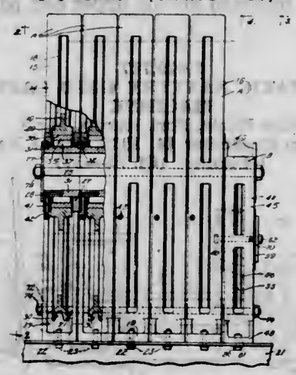
2,079,724
TRANSMISSION
Cornelius W. Van Ranst, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application August 28, 1934, Serial No. 741,791
5 Claims. (Cl. 192—58)

1. In an engine, the combination of an accessory drive mechanism including a clutch having relatively movable telescoping hubs and perforated clutch discs arranged in parallel relation, every other disc being fixed to rotate with one of the telescoping hubs and the other discs being fixed to rotate with the other hub, an engine lubricating system, and means for supply-



ing the space occupied by said discs with oil from said lubricating system.

2,079,725
CROWN BLOCK
Harry P. Wickersham, Huntington Park, and Erwin Burns, Los Angeles, Calif.
Application November 6, 1935, Serial No. 48,513
6 Claims. (Cl. 254—190)



1. A crown block including an assembly of a plurality of sections arranged in side by side relation, each section comprising a frame, and a sheave carried by the frame, and a section at one end of the assembly comprising a frame, and two sheaves carried by the frame.

2,079,726
GARMENT STRETCHER
Frank L. Wilson, Raymondville, Tex.
Application May 28, 1936, Serial No. 82,360
1 Claim. (Cl. 223—70)

A garment stretcher of the class described, comprising, in combination, a base, a supporting structure mounted on said base, a casing mounted on said supporting structure, a pair of foot levers pivotally mounted on the supporting structure, the casing having a vertical opening therein accommodating the foot levers, means on the casing engageable by the foot levers for releasably securing said foot levers in adjusted position, a vertical post mounted on the supporting structure, a horizontal frame adjustably mounted on the post, a flexible conduit extending between said frame and the casing, lazy tongs

mounted on the post, means operatively connecting certain of the lazy tongs to one of the levers for actuation thereby, means operatively connecting the other of said lazy tongs to the other lever for actuation thereby, bars for stretching a garment mounted on the lazy tongs, clamps for detachably securing the lower portion of the



garment to the frame, means in the casing for discharging steam upwardly through the flexible conduit into the garment, a steam drum mounted in the casing for heating and drying the garment, and a slidable hanger for the garment yieldingly mounted on the upper end portion of the post.

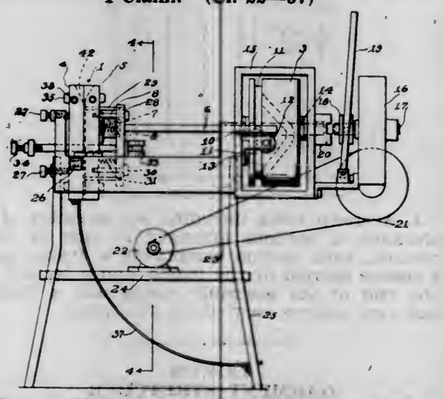
2,079,727

AUTOMATIC BATTERY GRID CASTING MACHINE

John Wirtz, Port Huron, Mich.

Application December 14, 1935, Serial No. 54,499

1 Claim. (Cl. 22—57)



In a casting machine of the class described, a bed having spaced horizontal brackets, a mold mounted on and supported between said spaced brackets and extending below the surface thereof said bed plate and comprising two members one of said mold members being movable and the other mold member being stationary, said movable member having lugs fixed to the sides thereof for slidably supporting the same upon said spaced brackets, a rod for operating said movable member, a movable plate in front of said movable mold member, an arm hinged to said movable plate, said arm bent in a U-shaped formation to clear the said mold, the rear of said arm being opposite a portion of said bed plate and serving as a stop to regulate the extreme movement of said movable plate, an adjusting bolt at the rear of said arm, means for discharging a molded object from said mold comprising a set of ejecting pins embedded in said plate and slidingly passing through said movable mold members, a set of compression springs interposed between said movable mold member and said movable plate, said movable plate adapted to move under the influence of the pressure of said springs exerted by said movable mold member, a chute for conveying ejected objects away from said mold and a set of bolts embedded in said movable mold member and passing through said movable plate to regulate the extreme distance between said movable mold member and movable plate.

2,079,728

TOOTH BRUSH MASSAGER

Harold G. Arnold, Wooster, Ohio

Application July 29, 1936, Serial No. 93,251

4 Claims. (Cl. 128—62)



1. In a massaging device that is associated with a tooth brush by being slipped onto the handle of the brush, the combination of a soft rubber exterior having an opening for the reception of a tooth brush handle, a thin under part, a plurality of projections dependent therefrom, a gradually increasing thickness opposite the thin part, a pointed termination opposite the open end, and a small separate group of projections near the point.

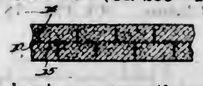
2,079,729

GASKET

George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich., a corporation of Michigan

Application April 10, 1933, Serial No. 665,457

2 Claims. (Cl. 288—1)



1. A gasket having a smooth contact surface and comprising a layer of compressible material and a metal layer, said metal layer having closely compacted projections embedded in said compressible material layer by pressure and having their ends terminating below and covered by the exposed surface of the compressible material layer to provide a continuous plane of compressible material devoid of projections to fill and seal irregularities in the joint surface, the compressible material being of a density and the portion beyond the projections being of a thickness that upon application of pressure when the gasket is confined between plane joint surfaces, the compressible material will be compacted and densified and the projections will be forced through to the outer surface of the gasket forming barriers throughout the thickness of the gasket to forces acting transversely thereof.

2,079,730

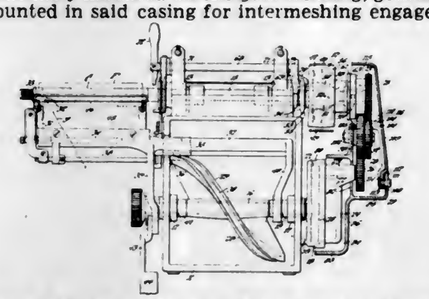
GAINER MECHANISM FOR WINDING MACHINES

Harry R. Blair, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts

Application April 18, 1935, Serial No. 17,122

4 Claims. (Cl. 74—421)

1. In a winding machine of the type having a winding-spindle and a cam-shaft with a gear-housing at one end of the latter in which a driven shaft is journaled, a gainer mechanism for driving the driven shaft from the spindle comprising gears on the spindle and driven shaft, a casing detachably mounted on the gear-housing, gearing mounted in said casing for intermeshing engage-



ment with the gears on the spindle and driven shaft whereby the winding machine may be quickly altered to change from a belt-driven gainer mechanism to a positive gear-driven gainer mechanism, and means for mounting said gearing in the casing whereby to permit the gears thereof to be changed to alter the speed ratio between the spindle and driven shaft.

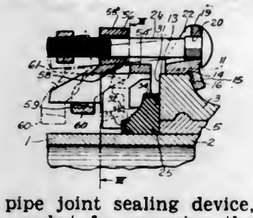
2,079,731

JOINT SEALING DEVICE

Eldon S. Clark, Detroit, Mich., assignor, by mesne assignments, to The Timken-Detroit Axle Company, a corporation of Ohio

Application June 19, 1933, Serial No. 676,588

21 Claims. (Cl. 285—119)



1. In a pipe joint sealing device, an anchor member, a gasket for engaging the pipe joint, and a follower for compressing said gasket, said follower comprising a plurality of arcuate sections having portions at the ends thereof with inclined faces, a clamping dog having means for initially engaging said faces, means for advancing said dogs to draw together the ends of said sections, and means for securing said sections intermediate their ends to said anchor member.

2,079,732

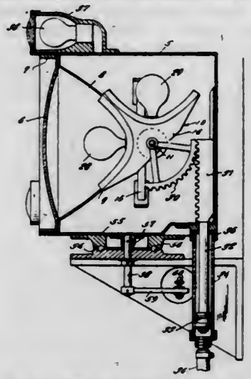
HEADLIGHT

Joseph S. Conley, Pine Bluff, Ark.

Application October 19, 1935, Serial No. 45,820

2 Claims. (Cl. 240—7.1)

1. In a headlight of the class described, a casing, a stationary reflector in the front end of the casing, said reflector being provided with a slot in the rear end of the latter, a member rotatably mounted in the casing behind the reflector, a pair of arcuate reflector members carried by said rotatable member and adapted to be selectively placed within said slot, an electric lamp associated with each of said arcuate reflectors, one of said lamps being colored, means for rotating said rotatable member, an electric circuit including said lamps, means arranged in said circuit to close the circuit of each lamp when its associated reflector is brought into position within said slot, a beacon lamp casing mounted on the first named casing, an electric lamp mounted in the beacon lamp casing, said beacon lamp being also arranged in the electrical circuit, and



means for closing the circuit through the beacon lamp when the colored lamp and its associated arcuate reflector is brought into operative position.

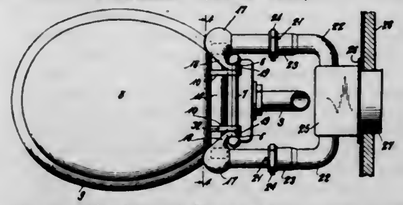
2,079,733

VENTILATING MECHANISM FOR TOILET BOWLS

William C. Cummings, Deadwood, S. Dak.

Application April 11, 1936, Serial No. 73,919

5 Claims. (Cl. 4—213)



1. In an attachment for a water closet bowl, a channeled seat communicating with the interior of the bowl, a motor housing adapted to be mounted on and communicate with a space behind a wall located rearwardly of the bowl, pipe connections between the motor housing and seat embracing a pivotal mounting for the seat, and telescopic connections in said pipe connections for adjusting the position of the motor housing in relation to the seat.

2,079,734

JOURNAL BOX LUBRICATING PAD

George W. Ditmore, Albany, N. Y.

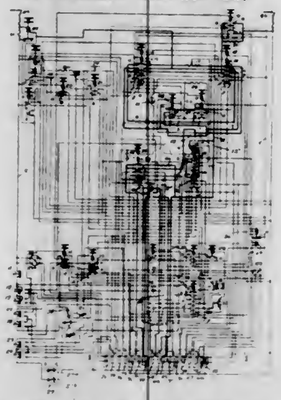
Application April 26, 1935, Serial No. 18,442

9 Claims. (Cl. 308—88)



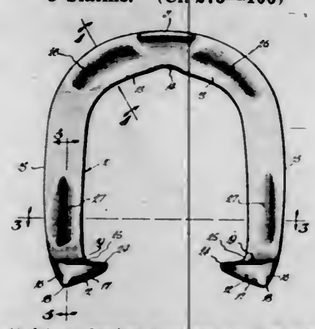
1. A pad adapted for use in a railroad car truck journal box for supplying lubricant to the journal of an axle, said pad comprising a single curved sheet of springy oil conducting material, longitudinally extending portions thereof remote from the ends being secured together, and the end portions being confined within the tube thus formed.

2,079,735
CONTROL MECHANISM FOR MILLING PLANERS OR OTHER MACHINES
John E. Doran, Cincinnati, Ohio, assignor to The G. A. Gray Company, Cincinnati, Ohio
Application April 5, 1935, Serial No. 14,947
20 Claims. (Cl. 29—30)



18. In a machine tool, a plurality of motors each adapted to actuate certain elements of the machine total in a predetermined manner, a plurality of push button switches, connections between said switches and terminals of said motors, a selector having a plurality of terminals and movable contacts, circuits for connecting said switches with terminals of said selector, a plurality of pilot members, connections between elements of said pilot members and selected terminals of said selector, said pilot members being positioned to be operated upon predetermined actuation of said machine tool, and means for moving said movable contacts of said selector into predetermined positions to arrange the circuits between the terminals of said selector into any one of a plurality of predetermined circuit arrangements whereby the control actions of said pilot members and said switches on said motors may be changed to operate the machine tool to do predetermined work depending upon the predetermined circuit arrangement selected by said selector.

2,079,736
PITCHING HORSESHOE
William D. Frazier, Hamilton, Ohio
Application November 19, 1935, Serial No. 50,557
5 Claims. (Cl. 273—106)



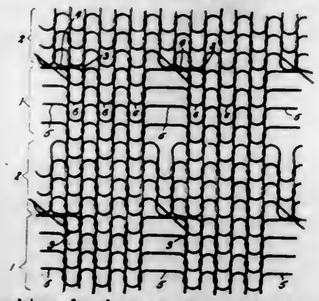
1. A pitching device formed in the shape of a horseshoe including calks at its toe and heel ends, the curved portion including thickened shoulders, elongated depressions formed in the under side surfaces of the shoe medially of the width of the shoulder portions and following the curvature of the shoulder, said depressions providing comfortable contact spots for finger holds used by the player in gripping the shoe for pitching.

2,079,737
TABLE
Lewis M. Greenway, Lansdowne, Pa.
Application May 25, 1935, Serial No. 23,494
1 Claim. (Cl. 311—35)



In a table and in combination, an open frame, a reversible top swingable in the open frame, aligned bushings disposed in opposite portions of the frame with their inner ends flush with the inner sides of said frame portions, a sleeve disposed in the reversible top in alignment with and abutting at its ends against said bushings, a rod extending through said bushings and sleeve and having threaded ends and nuts disposed in the outer sides of said opposite frame portions and on the threaded ends of the rods and abutting the outer ends of the bushings.

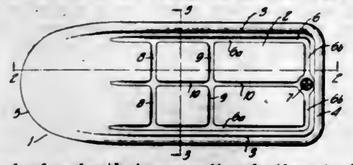
2,079,738
STOCKING HAVING STRAIN ABSORBING ZONE WITH IMPROVED CAPACITY TO STRETCH
Leroy B. Herb, Wyomissing, Pa., assignor to Vanity Fair Silk Mills, Reading, Pa., a corporation of Pennsylvania
Application December 23, 1936, Serial No. 117,400
5 Claims. (Cl. 66—172)



1. Stocking having an integrally knit strain absorbing zone above the knee, formed of fine gauge covered rubber yarn having transverse rows of dropped stitches at circumferential intervals, the fullness of the loops of the dropped stitches being absorbed by the stitches in the intervening rows, the latter stitches being thus relieved from tension, thereby increasing the stretching capacity of the fabric in the strain absorbing zone.

2,079,739
BATHTUB
William A. Houseweller, Albany, N. Y.
Application July 3, 1935, Serial No. 29,691
8 Claims. (Cl. 4—173)

1. A bath tub of the character described comprising a base having a substantially smooth surface upon which a bather may sit and stand and said base being provided with a groove extending longitudinally of the tub and substantially adjacent a side thereof; said groove being of a width slightly less than the width of the average adult



foot and of a depth to permit a bather to insert his foot sidewise therein to prevent slipping while entering said tub.

2,079,740
FASTENING DEVICE FOR FOLDERS
David E. Hunter and Russell G. Bourdon, Muskegon, Mich., assignors to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application March 22, 1935, Serial No. 12,402
3 Claims. (Cl. 24—153)



3. A metal paper fastener consisting initially of a substantially flat T-shaped stamping forming a single large prong and a transverse base integral therewith, said prong and base being offset in parallel planes along a relatively abrupt shoulder at the junction thereof and said base having small prongs on either side of the basal portion of said first mentioned prong with spaces therebetween with the tip ends thereof offset to lie substantially in the plane of said first mentioned prong.

2,079,741
CALF WEANER
Josef N. Janda, Wilber, Nebr., assignor of one-half to Mary Marcella Dvorak, Wilber, Nebr.
Application May 7, 1935, Serial No. 20,270
2 Claims. (Cl. 119—130)



1. A calf weaner comprising a substantially U-shaped nose piece, means for securing said nose piece in position on an animal's head, a substantially U-shaped plate mounted for swinging movement on said nose piece, a rod secured on said plate, and prongs projecting from said rod, said plate resting by gravity on the nose piece when in operative position.

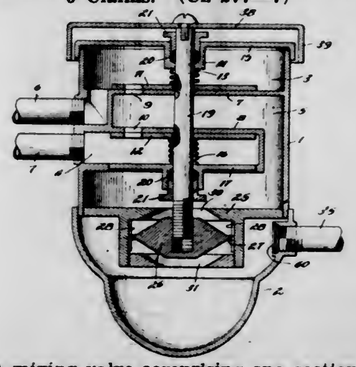
2,079,742
ATTACHING MEANS FOR TAGS
Harry Frank Kocher, Detroit, Mich.
Application September 9, 1935, Serial No. 39,866
3 Claims. (Cl. 40—25)

3. An attaching device comprising a rounded head, a pointed member and a washer member, the said rounded head having its edge turned over to form an annular recess, the said washer member being flared at its edge, and the said flared edge of the washer adapted to fit into the annular recess in the rounded head, the washer



member having an aperture for holding the pointed member, and the washer member having a depending cylindrical portion.

2,079,743
MIXING VALVE
Joseph Krieger, Chicago, Ill.
Application July 3, 1935, Serial No. 29,633
5 Claims. (Cl. 277—7)

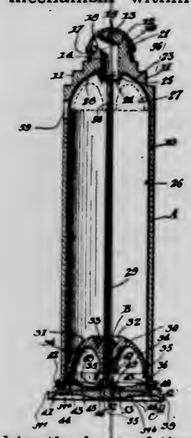


1. A mixing valve comprising one section having hot and cold water compartments and a mixing compartment, valves for controlling the flow of water from the two first mentioned compartments into the mixing compartment, a single actuator for said valves, said valves including means for producing relatively adjustable openings so that the proportions of hot and cold water may each be varied from 0 to 100% of the total by a continuous actuation of the single actuator, said valve having a second section removably secured to the first section and communicating with the mixing compartment thereof, and separate valve means controlling said last mentioned communication, said separate valve means being closed by the first mentioned actuator in opposite extreme positions of the first mentioned actuator.

2,079,744
DISPENSER
Garnet Adam Maguire, St. John, New Brunswick, Canada
Application August 9, 1935, Serial No. 35,521
12 Claims. (Cl. 221—79)

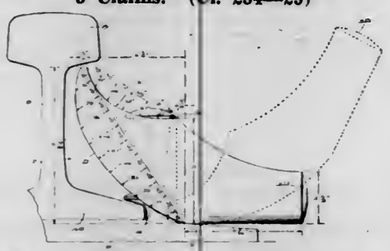
1. A dispenser comprising an elongated container having a restricted dispensing opening at its upper end, a refill cartridge adapted to fit within the container and a base at the opposite end of the container, means for retaining the refill cartridge against movement within the container, said refill cartridge being formed with a closed end having a centrally located opening therein, the end of said refill cartridge abutting the interior surface of the upper end of the container, said opening in the refill cartridge registering with the restricted dispensing opening in the container, means for preventing seepage between the refill cartridge and container including an extension surrounding the dispensing opening and projecting from the upper end of the container into the interior thereof and through the opening in said refill cartridge, said extension joining with the end of the container, the defining edges of said opening in the refill cartridge fitting against

the extension and the end of the container at their point of juncture, said refill cartridge carrying ejecting means including a screw threaded rod and an ejector having a screw threaded bore in engagement with said rod, said ejector being in frictional nonrotational engagement with said cartridge, means for retaining the ejecting mechanism within the cartridge,



means carried by the base of the container connecting with the end of said rod in driving engagement and an operating member mounted on the base of the container connecting with said latter means for rotating said rod whereby upon rotation of said rod said ejector is caused to move upwardly ejecting material through the dispensing opening of the container.

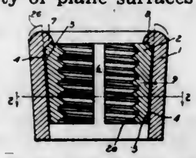
2,079,745
MEANS FOR DRAWING RAILWAY SPIKES
Thomas Maney, Louisville, Ky.
Application July 12, 1935, Serial No. 31,110
5 Claims. (Cl. 254—25)



1. A tool of the character described in the nature of a claw, and in the general form of a wedge having non-parallel curvatures on opposite edges, the lower of which guides and determines the path of movement, and the upper forms a spike engaging portion and is in position to slide beneath the spike-head while the latter is maintained tangentially with respect thereto.

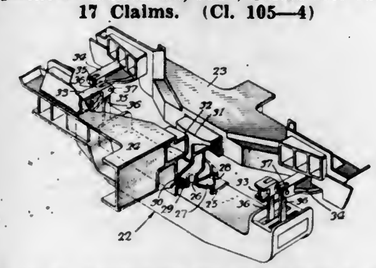
2,079,746
SELF-LOCKING NUT AND METHOD OF MAKING SAME
Mathew B. Morgan, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application February 26, 1934, Serial No. 713,027
9 Claims. (Cl. 10—86)

4. The method of making a lock nut which comprises stamping a disc blank into a shell-like member having an internal periphery comprising a plurality of plane surfaces inclined to the axis of said member, upsetting a second member to form thereon an external periphery comprising a plurality of plane surfaces inclined to the



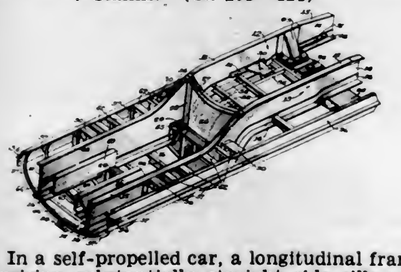
axis of said second member, inserting said second member into said first member and peening over at least a portion of one edge of said first member to limit the relative axial movement of said members.

2,079,747
ARTICULATED CAR
William H. Mussey and Martin P. Blomberg, Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 26, 1934, Serial No. 717,419
17 Claims. (Cl. 105—4)



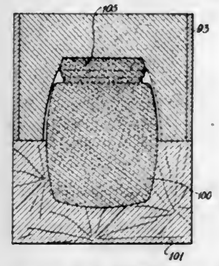
17. In an articulated car comprising a leading section, an intermediate section, and a trailer section, articulated trucks joining the adjacent ends of said sections, and lateral support stabilizers on the intermediate section for maintaining the body in upright position on the two articulated trucks which support it, said stabilizers being arranged so that at one end of the section, the lateral support is relatively rigid, and at the other end, the lateral support is relatively resilient.

2,079,748
MOTORCAR
Martin P. Blomberg, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application October 18, 1934, Serial No. 748,877
7 Claims. (Cl. 105—414)



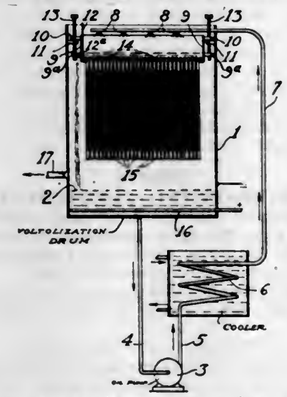
1. In a self-propelled car, a longitudinal frame comprising substantially straight side sills and intermediate sills, the latter being depressed between ends, a power plant borne by the intermediate sills on the depressed portions thereof, and a house body normally enclosing the power plant and detachable from the side sills to expose the plant for service and repair.

2,079,749
APPARATUS FOR MAKING A CASTING
John Schmeller, Sr., Lakewood, Ohio
Application July 5, 1933, Serial No. 679,030
3 Claims. (Cl. 22—1)



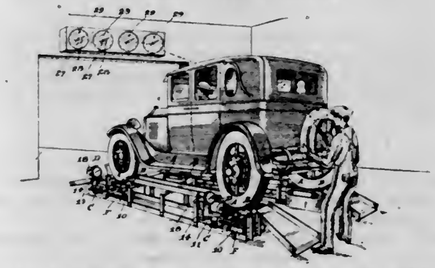
1. An apparatus for producing metal castings with sand cores and molds which comprises a core box having a lower half-section and an upper member formed of two quarter-sections adapted to form a core in inverted position with a print projecting above an annular recess in the upper portion thereof, a drag section of a mold formed with substantially one half the casting cavity having a print-receiving recess adapted to be engaged, after the removal of the upper core box quarter-sections, in supporting relation to the print of said core and a cope section formed with gates and runner cavities wholly in said cope section at the parting plane between the cope and drag sections and with a sprue passageway extending through said cope section from said runner cavity and engageable after the removal of the lower core box half-section over the remaining portion of said core to complete the casting cavity.

2,079,750
APPARATUS FOR VOLTOLIZATION
William J. Sweeney and Roger W. Richardson, Baton Rouge, La., and Eger V. Murphree, New York, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware
Application May 14, 1935, Serial No. 21,434
6 Claims. (Cl. 204—31)



1. In an apparatus for subjecting liquid to the action of silent electric discharges, the improved means for distributing the liquid to be treated on to the surfaces of the electrodes which comprises a plurality of electrode plates disposed substantially vertically and parallel to each other, a trough disposed above the plates and adapted to be supplied with liquid and means associated with the trough for directing a stream of liquid in substantially equal amounts against each surface of the electrodes.

2,079,751
MOTOR VEHICLE BRAKE TESTING DEVICE
Sydney G. Tilden, Stewart Manor, Long Island, N. Y.
Application November 30, 1934, Serial No. 755,290
1 Claim. (Cl. 177—351)

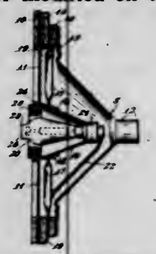


In a brake-testing device for motor vehicles having a brake-testing means for each wheel, consisting of a pair of rollers for supporting each wheel, a dynamometer mechanism for driving the same and having a spring scale shaft and indicator means thereon in proximity to each of said wheels, said indicator means being disposed to indicate the retarding force of the brake controlling said wheel under test, the combination therewith of self-synchronous generators each having an armature shaft connected with each spring scale shaft, the angular displacement of the spring scale shaft acting to angularly displace the armature shaft, motors each having a shaft and an indicator means disposed in a group and located remotely from the generators to enable all indications thereof to be read simultaneously with the reading of each of the individual indicator means at each wheel under test, and electric connections between the generators and the motors for effecting angular displacement of the motor shafts in synchronization with the angular displacement of the generator shafts, whereby the mechanic adjusting each separate brake is provided with a central group of indicator means of all of the brakes visible from his position at any wheel enabling him in one operation at each wheel brake to determine the effect of readjustment of each brake upon the other brakes by reading the indicator of the wheel under test and simultaneously therewith reading the grouped indicator means at the motors, to determine the single readjustment with respect to all of the wheel brakes, said readjustment being carried out during continuous operation of the brake-testing device.

2,079,752
RADIO RECEIVING APPARATUS
Emerick Toth, Flushing, N. Y., and William H. Cooper, Passaic, N. J., assignors to Pilot Radio Corporation, Long Island City, N. Y., a corporation of New York
Application November 12, 1935, Serial No. 49,334
4 Claims. (Cl. 250—16)

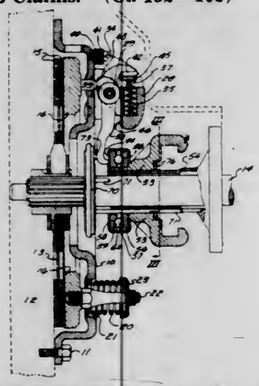
1. In a device of the class described, in combination with a cabinet incorporating a loud speaker

assembly mounted on the panel thereof, a visual resonance indicator disposed within the cone of the loud speaker assembly and projecting through the panel, and a supporting casing for said visual resonance indicator mounted on the panel and



having a wall formation extending at an angle different from that of the cone of the loudspeaker to provide a change in the distribution for certain ranges of the high frequency response of the speaker.

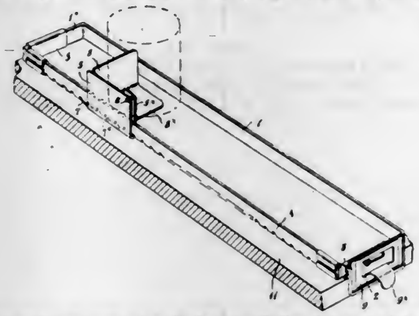
2,079,753
AUTOMATIC CLUTCH
Elmer V. J. Tower, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application December 20, 1934, Serial No. 758,465
13 Claims. (Cl. 192—105)



1. In a clutch, a driving member, a driven member, levers arranged to effect engagement and disengagement of said members, a release collar adapted to operate upon said levers to effect disengagement only of said members, a retracting spring yieldably holding said collar in its inoperative retracted position, converter mechanism adapted to engage said levers, and means for interlocking said converter mechanism with said collar whereby said retracting spring may be employed to effect engagement of said driving and driven members.

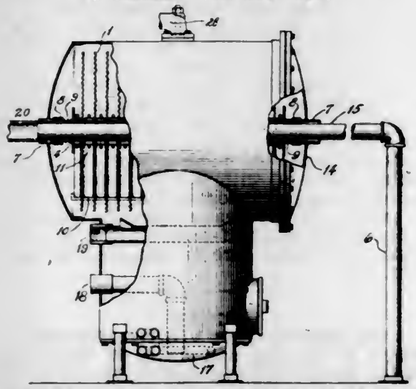
2,079,754
ARTICLE PROJECTION APPARATUS FOR SHELVES
William V. Waxgiser, Brooklyn, N. Y.
Application July 17, 1935, Serial No. 31,751
4 Claims. (Cl. 312—71)

1. Article projection apparatus for a shelf, comprising parallel spaced frame members having rack elements, forward and rearward means connecting the frame members whereby a row of articles may be received between the frame members for forward projection, a projector receiving support independent of the frame members and having a pawl engaging said rack elements and a contact face for engaging the rearmost of said row of articles, the pawl and rack being so formed that forward movement of the frame members will transmit movement to the projector and will



project the row of articles until the foremost article is carried beyond the shelf, and rearward movement of the frame members will not affect the position of the projector.

2,079,755
FILTER
Floyd J. Wood, Niles, Mich.
Application August 3, 1935, Serial No. 34,571
4 Claims. (Cl. 210—201)



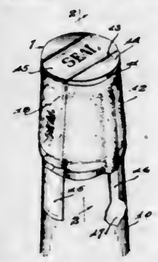
1. A filter comprising a closed vessel having its ends provided with coaxial sleeves, one of said ends being removable, an outlet pipe secured to and communicating with one of said sleeves, an outlet tube within said vessel provided with filter means and having its ends rotatably mounted in said sleeves, a member mounted in the other of said sleeves, and a device rotatably mounted in said member and which interengages inside the sleeve with the end of the outlet tube and which has outside the filter means for turning it to rotate the outlet tube.

2,079,756
ACID RESISTING COMPOSITION
Charles Rutland Barsby, Liverpool, and Harvey Richard Lyle Streight, Runcorn, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 23, 1936, Serial No. 60,545. In Great Britain January 18, 1935
3 Claims. (Cl. 106—23)

1. An adherent, thermoplastic, acid-resistant composition possessing some flexibility and freedom from tendency to crack adapted for luting and jointing comprising highly stable chlorinated

rubber, chlorinated paraffin wax and chlorinated naphthalene, the chlorinated rubber being highly chlorinated such as that containing 65% chlorine, the chlorinated paraffin having a chlorine content in the range of 45% to 52%, the chlorinated rubber constituting about 20% to 60% of the total amount of the chlorinated rubber and chlorinated paraffin, the chlorinated naphthalene being present in an amount sufficient to give the composition the desired stiffness and plasticity, the amount of chlorinated naphthalene not exceeding the amount of chlorinated paraffin wax when the chlorinated rubber comprises more than about 35% of the composition.

2,079,757
TEAR-OFF CAP
Sol K. Berk, Brookline, Mass.
Application December 18, 1936, Serial No. 116,458
4 Claims. (Cl. 215—46)



3. In combination, a container having a neck portion, a closure for sealing said container, said closure having a projecting portion extending axially of the neck and of a diameter substantially equal to that of the adjacent neck portion, a cap formed of thin sheet metal enclosing at least a portion of the outer end of said closure, said cap comprising a circular top portion having a transverse slot therein and a depending skirt formed about the margin of said top portion, a tear-strip formed integrally with said skirt extending lengthwise of the neck of the bottle and having an enlarged finger-piece formed at the lower end thereof, and a "cellulose" band superimposed over the bottle neck and cap above the finger-piece for holding said cap and strip against accidental removal, whereby removal of said band is accomplished by pulling said strip outwardly and upwardly to tear the band.

2,079,758
UNSATURATED ETHERS AND PROCESS FOR PRODUCING SAME
Gerard Jean Berchet, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 28, 1936, Serial No. 82,261
20 Claims. (Cl. 260—150)

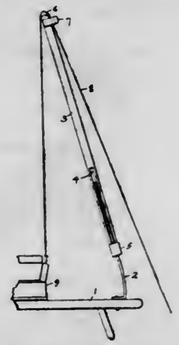
1. A compound of the general formula:

$$CH_3—CX=CH—CH_2OR$$

in which R is a radical obtainable by removing a hydroxyl group from a compound of the group consisting of alcohols and phenols and X is a halogen atom.

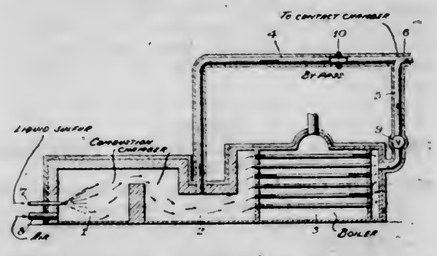
2,079,759
APPARATUS FOR CONTROLLING AN IRON CORD
Frank J. Burns, Youngstown, Ohio
Application December 12, 1934, Serial No. 757,146
1 Claim. (Cl. 248—51)

A cord adjusting device comprising a rod having a longitudinal slot in one end thereof, a flat spring adapted to be secured to a support and having an upwardly extending portion the end of which portion extends within said longitudinal slot, a ferrule disposed about the slotted end of the rod, said rod being movable in a vertical



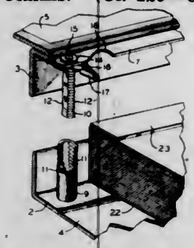
plane against the tension of the flat spring, a spring clamp carried by the free end of the rod, and a clamp for holding an electric cord secured to the rod and slidable longitudinally thereof.

2,079,760
MANUFACTURE OF SULPHURIC ACID BY THE CONTACT PROCESS
Fred Carl, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 26, 1935, Serial No. 3,564
1 Claim. (Cl. 23—176)



In combination with apparatus for the manufacture of sulphuric acid by the contact process, a combustion chamber for burning liquid sulphur to produce sulphur dioxide gases of high concentration and temperature, a tubular steam boiler of the type commonly used in the power industry for generating steam from water by thermal contact with hot combustion gases, means for conveying the aforementioned sulphur dioxide gases through certain passages within said boiler normally adapted for receiving said combustion gases, and a by-pass associated with said boiler for shunting a controllable part of the hot sulphur dioxide gases and for mixing them further with the cooled gases issuing from said boiler whereby to produce a mixture of gases at an optional predetermined temperature, the by-pass being constructed so as to have greater resistance to flow of gases than the boiler tubes, and the conduit line at the discharge end of the boiler tubes being provided with a valve, whereby to control the relative flow of gases through the boiler tubes and by-pass.

2,079,761
LOOSE LEAF BINDER
George H. Dawson, Chicago, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application May 17, 1935, Serial No. 21,923
6 Claims. (Cl. 129—8)



1. In a loose leaf binder, a cover member, a bar secured to said cover member, a locking post rotatably secured to said bar, a lever secured to said post for rotating the same, and means projecting from said bar and engaging said lever to limit the rotation of said post.

2,079,762
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application August 21, 1936, Serial No. 97,217
8 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising an estolide derived from a blown oil, said blown oil being obtained from an unsaturated fatty glyceride as the parent material.

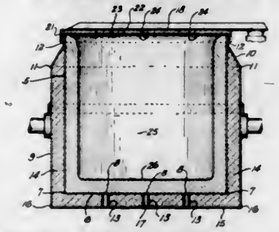
2,079,763
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application August 21, 1936, Serial No. 97,218
9 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a blown oil body which has been treated with a non-acidic additive reagent, free from gaseous oxygen.

2,079,764
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application August 21, 1936, Serial No. 97,220
8 Claims. (Cl. 196—4)

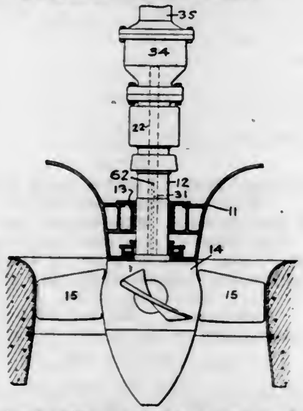
1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a product obtained by ammonolysis of an estolide derived from a blown oil, said blown oil being obtained from an unsaturated fatty glyceride as the parent material.

2,079,765
ART OF MANUFACTURING LADLES
Max W. Goldberg, Port Washington, Wis., assignor to Modern Equipment Company, Port Washington, Wis., a corporation of Wisconsin
Application October 31, 1935, Serial No. 47,560
4 Claims. (Cl. 22—81)



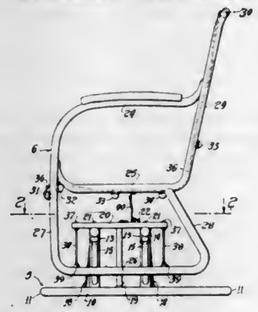
1. A foundry ladle comprising an inner metallic bowl portion and an outer metallic bowl portion, each of said portions comprising a surrounding side wall and a bottom welded thereto, insulation between said bowl portions, a lining of refractory material within said bowl and tubular means between said inner and outer bowl portions, said inner and outer bowl portions being formed with apertures registering with said tubular means so that the latter form outlet ducts for moisture.

2,079,766
HYDRAULIC MACHINE
George A. Jessop and Torleif Norbom, York, Pa., assignors to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application January 4, 1937, Serial No. 118,950
2 Claims. (Cl. 253—117)



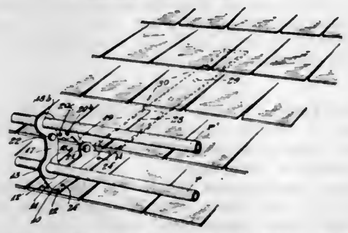
1. In a hydraulic machine, a runner having a hollow hub with a sump in the bottom thereof, a plurality of blades rotatably mounted in said hub, mechanism within the hub for rotating the blades, a hollow shaft connected to the hub, an operating rod reciprocatably mounted in said shaft and connected to said blade operating mechanism for operating the same, said operating rod extending downwardly into said sump, an opening formed longitudinally in said operating rod and terminating at a distance from the top thereof, a hollow extensible member mounted in said runner shaft at a point near the upper end of said operating rod opening, a valve mounted in said extensible member and normally closing communication therethrough, a lateral bore formed in the operating rod and leading from the longitudinal opening in said rod, a nut threadedly mounted in said runner shaft and operatively connected with said extensible member for moving said member inwardly and outwardly with respect to said operating shaft, and a retainer threadedly mounted on said nut and having an internally threaded central opening formed therein for the reception of a nipple having an inwardly projecting element adapted to engage said valve to unseat the same when the extensible member is connected to said operating rod.

2,079,767
GLIDER SWING
Lewis Larsen, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass., a corporation of Massachusetts
Application February 1, 1936, Serial No. 61,843
11 Claims. (Cl. 155—61)



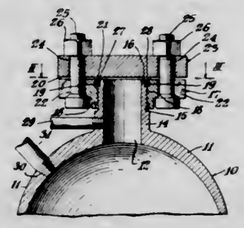
9. A glider swing embodying therein a base, pairs of parallel motion arms, means on said base providing vertical pivot axes for one end of the arm of each pair on said base, a bar pivoted to and connecting the other end of the arms of each pair thereof at points spaced substantially equal distances from said axes, motion transmitting means between one arm of one pair and the other arm of the other pair, a seat, and pivoted links for pendently supporting each side of the seat from an associated bar.

2,079,768
SNOW GUARD
David Levow, New York, N. Y.
Application June 27, 1935, Serial No. 28,623
2 Claims. (Cl. 108—27)



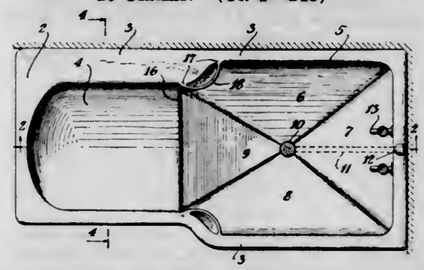
2. In a snowguard assembly, a base disposed on a shingle or slate, said base being of relatively thin material and narrow width, a support carried thereon, a bracket apertured at one end, a guard bar passing through said bracket aperture and said support to form a pivot for the bracket on said support, an aperture at the free end of said bracket for carrying a second guard, a longitudinal slot intermediate of the ends of said bracket, a plurality of spaced apertures at varying levels formed on each support and means passing through the longitudinal slot of said bracket and one of the apertures on said support for disposing the bracket at varying angles with respect to said support, and an integral elongation of said base disposed under the adjacent banks of shingles and slates for firmly supporting the snowguard with respect to the roof.

2,079,769
DRY ICE CONVERTER
Paul C. McAbee, New York, N. Y.
Application July 27, 1933, Serial No. 682,404
2 Claims. (Cl. 220—3)



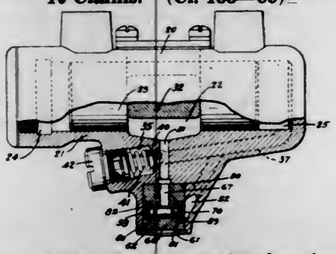
2. A carbon dioxide converter comprising a forged cylinder having a reduced end merging into a nipple formed with external threads and having an opening communicating with the interior of the cylinder, a collar formed with internal threads and screwed onto said nipple, adjacent portions of said nipple and collar defining an annular recess adjacent the end of said threads, an annular washer seated in said recess, a cap, means for securing said cap in position closing said nipple, and an annular projection formed on said cap and entering said recess to compress said washer against the sides of said recess for sealing the joint between said cap and said cylinder.

2,079,770
COMBINATION BATHTUB AND SHOWER
James Macomber Robinson, New York, N. Y.
Application March 31, 1936, Serial No. 71,843
10 Claims. (Cl. 4—148)



1. A bathroom device comprising a receptacle with a portion thereof defining a shower bath base formed of a plurality of sector-like surfaces which incline to a drain point, said shower bath base having an extension therefrom and cooperating therewith to define a bathtub, said extension sloping toward said shower bath base for complete drainage into said shower bath base.

2,079,771
VALVE FOR SHOCK ABSORBERS
Edwin F. Rossman, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 24, 1936, Serial No. 60,647
10 Claims. (Cl. 188—88)



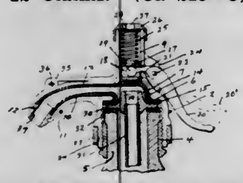
1. In a hydraulic shock absorber having a fluid reservoir and two fluid displacement chambers, the combination with a spring-loaded valve adapted to control the flow of fluid from each displacement chamber; of means normally closing each of said chambers from the reservoir but adapted to be actuated by a slight fluid pressure in one chamber to open the other chamber only to the reservoir.

2,079,772
AQUEOUS GERMICIDAL COMPOSITION CONTAINING ALKYL PHENOLS
Reuben Schuler, Elizabeth, N. J., assignor to Stanco Incorporated
No Drawing. Application June 29, 1933, Serial No. 678,191
4 Claims. (Cl. 167—31)

1. Germicidal and antiseptic composition comprising a solution in a water-soluble solvent of an alkyl phenol and an oil-soluble sulfonate derived from petroleum oils, said solution being miscible in water without appreciable formation of a separate phase.

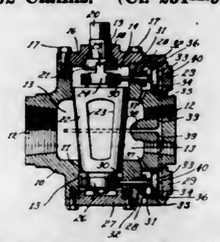
2. Germicidal and antiseptic composition miscible with large proportions of water without appreciable formation of a separate phase, comprising isopropyl alcohol containing in solution an oil soluble sulfonate derived from petroleum oils and an alkyl phenol having 4 to 10 carbon atoms in alkyl groups.

2,079,773
SIPHON BOTTLE HEAD
Harry J. Scott, San Francisco, Calif.
Application June 13, 1936, Serial No. 85,103
12 Claims. (Cl. 215—5)



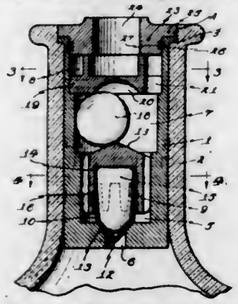
1. A siphon bottle head comprising a body divided into two parts each similarly recessed on their adjacent sides to coact for forming a bore through the body and the body at one end of bore being adapted for securement to the neck of a siphon bottle and the opposite end of the bore opening outwardly at a side of the body, means for removably securing the parts together, and a tubular liquid conduit comprising a tube of flexible material removably fitted within said bore for passing liquid therethrough to the outwardly opening end of the bore and means for distorting a portion of the walls of the tube to close the same to the flow of liquid therethrough.

2,079,774
BALANCED PLUG VALVE
Marion R. Shipley, Hermosa Beach, Calif., assignor to A. H. Shipley, Fresno, Calif.
Application October 14, 1930, Serial No. 488,608
Renewed October 7, 1936
32 Claims. (Cl. 251—98)



26. In a balanced plug valve, a housing provided with inlet and outlet openings, a plug arranged for rotation within said housing for controlling the flow of fluid therethrough, mechanically operated means actuated by the pressure of the fluid thus controlled to counteroppose the forces creating side thrust against said plug.

2,079,775
NONREFILLABLE CLOSURE
Raymond S. Simons, Highland Park, Ill.
Application August 21, 1936, Serial No. 97,186
16 Claims. (Cl. 215—22)

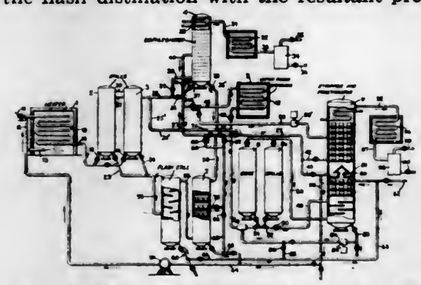


10. In a device of the class described, the combination with a body member having a passageway therethrough for fluid and an inlet opening having a valve seat, of a hollow air-filled expansive valve member disposed in said passageway and axially shiftable therein to open and close said inlet opening, means to limit the opening movement of said valve member, said valve member being arranged to expand axially upon reduction of the atmospheric pressure in said passageway and close said inlet opening, and means to lock said valve member in its expanded position.

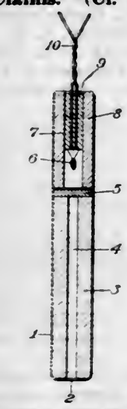
2,079,776
CONVERSION OF HYDROCARBON OILS
Le Roy G. Story, Bronxville, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Original application April 21, 1931, Serial No. 531,693. Divided and this application September 28, 1934, Serial No. 745,887
5 Claims. (Cl. 196—49)

1. The method for conversion of hydrocarbon oils by a series of continuous steps which comprises subjecting hydrocarbon oil to conversion

temperatures in a cracking zone, directing resultant cracked products into a separating zone wherein separation of vapors from liquid residue takes place, passing vapors thus separated into a fractionating zone and subjecting the vapors therein to fractionation to form a vapor fraction and a reflux condensate, subjecting said reflux condensate, while retaining heat from its previous treatment and free from added products, to conversion temperatures in the vapor phase in a second cracking zone, flash distilling said liquid residue and commingling resultant residue of the flash distillation with the resultant products of the vapor phase conversion, passing the resultant mixture to a coking zone separate from said separating zone, subjecting the mixture therein to coking, withdrawing vapors from the coking zone and conducting the vapors to a stripping zone, introducing fresh charging stock into said stripping zone, passing unvaporized oil from the stripping zone into the coking zone, passing vapors liberated in the stripping zone to a fractionating zone separate from the first-mentioned fractionating zone and subjecting the vapors therein to fractionation to form a reflux condensate and introducing reflux condensate so formed into one of said cracking zones for conversion.

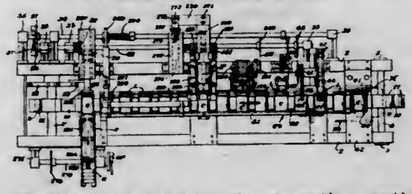


2,079,777
SAFETY IGNITER FOR BLASTING EXPLOSIVE DEVICES
James Taylor and William Young, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application April 5, 1935, Serial No. 14,932
In Great Britain April 7, 1934
9 Claims. (Cl. 102—10)



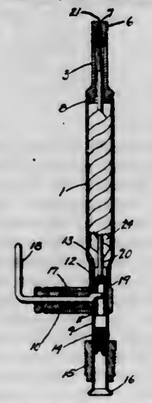
1. A safety igniter suitable for use, in the presence of fire-damp, with non-detonating safety blasting cartridges or borehole charges, said igniter comprising a base charge of low-temperature-reactive material capable of initiating said non-detonating safety charge but incapable of igniting fire-damp, means for initiating said base charge, and means for preventing the combustion products of said initiating means from igniting fire-damp.

2,079,778
APPARATUS FOR INSERTING ARTICLES IN CONTAINERS
James C. Thom, Chicago, Ill., assignor to United States Tobacco Company, New York, N. Y., a corporation of New Jersey
Application August 7, 1934, Serial No. 738,879
19 Claims. (Cl. 226—2)



1. Packaging apparatus for inserting articles or packages in containers of the hinged cover type, comprising a support, a carrier movable along said support and having means for engaging and advancing containers along said support, with the cover hinge at the bottom of the container end, means for intermittently operating the carrier to move said containers to a plurality of successive stations on the support, for successive operations on the containers, means located at one station to feed the containers successively to the carrier with their covers closed and projecting beyond a side of the carrier, means located at another station and operating transversely to the direction of movement of the carrier and container and movable downwardly and longitudinally of the containers to engage and open the covers of the containers while on the carrier, means to prevent movement of the containers during the opening of the covers, means located at a third station to insert the articles or packages in the containers while the covers are open, and subsequently operating means located adjacent the path of movement of the carrier to close the covers of the containers while on the carrier.

2,079,779
VAPORIZING GENERATOR
Boyd W. Tullis, Wichita, Kans.
Application May 18, 1934, Serial No. 726,308
1 Claim. (Cl. 158—53)



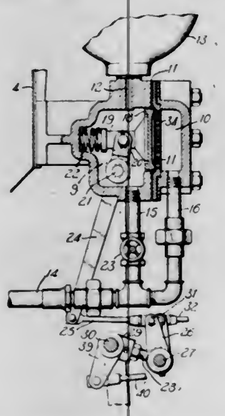
A vaporizing generator including a metallic

tube; and a porous liner formed of a strip of material having inherent expansibility and spirally wound to cause it to expand outwardly against the inner wall of the tube to closely engage the said wall.

2,079,780
WASHABLE PAPER
Robert A. Voet, Oak Park, Ill., assignor to United Wall Paper Factories, Inc., Jersey City, N. J., a corporation of Delaware
No Drawing. Application July 27, 1934, Serial No. 737,207
2 Claims. (Cl. 91—67.9)

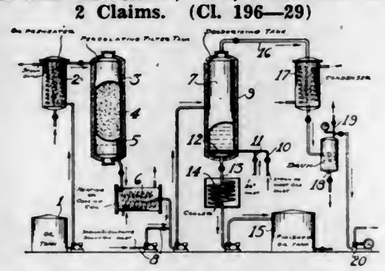
1. A method of preparing an article of the class described, comprising treating a paper web with a coating containing solubilized casein as a potentially water resistant binder, at least partially drying the paper web, printing upon said web with an ink also containing a potentially water resistant casein binder, and treating said web to fix said binders and render the surface of the paper water resistant by means of a solution of a formic acid salt of a member of the group consisting of alkali and alkaline earth metals, ammonium and aluminum, said solution having been adjusted to a pH value between the approximate limits of 4.8 and 5.5.

2,079,781
PRESSURE CONTROL MECHANISM
Hubert Walker, Elmira, N. Y., assignor, by mesne assignments, to American-La France-Foamite Corporation, a corporation of New York,
Application December 26, 1934, Serial No. 759,207
4 Claims. (Cl. 103—16)



1. In an automotive fire pumper having an engine, a fire pump driven thereby and adapted to supply a plurality of hose lines, means for automatically maintaining predetermined operation of the pump by the engine comprising an element constantly urged in one direction by the pressure of the water discharged by the pump, a dome having a body of air and water confined therein and, by its pressure, opposing movement of said element, a valve-controlled conduit for conducting pump discharge water to the dome to compress the air therein and thereby determine the resistance to movement of said element, and engine speed control means adapted for operation by said element.

2,079,782
PROCESS OF DEODORIZING LUBRICATING OILS
Alfred A. Wells, Roselle Park, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 27, 1934, Serial No. 717,541
2 Claims. (Cl. 196—29)

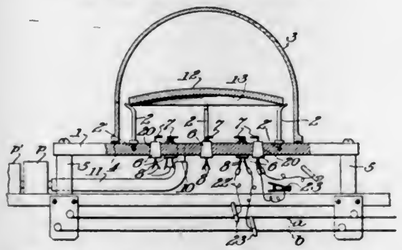


1. An improved process for refining mineral lubricating oils and removing objectionable odors therefrom, comprising the separate steps of treating the oil with clay at a temperature of the order of 200° F. and higher, separating the clay and then agitating the oil with moist sulfur dioxide at a temperature below 200° F. and then removing any excess thereof.

2,079,783
LUBRICANT
Peter J. Wiezevich, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 16, 1933, Serial No. 685,493
9 Claims. (Cl. 87—9)

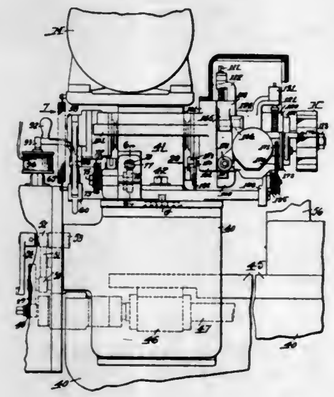
1. A lubricant comprising essentially a relatively pure aromatic compound selected from the group consisting of hydrocarbons and oxide, hydroxyl, halogen, and condensation derivatives thereof, boiling above 400° F. and a high molecular weight soluble aliphatic linear polymer of a monomeric compound having a single double bond capable of improving the viscosity characteristics of said compound.

2,079,784
PLATING BY THERMAL EVAPORATION
Robley C. Williams, Rockefeller Hall, Cornell University, N. Y.
Application January 19, 1933, Serial No. 652,529
Renewed August 8, 1936
10 Claims. (Cl. 91—12.2)



1. Apparatus for coating a surface of an object with a solid by thermal evaporation of the latter at low absolute pressure which comprises an evacuable enclosure provided with means giving access to the interior thereof, means cooperating with the enclosure for evacuating the latter, means within the enclosure for removably supporting an object a surface of which is to be coated, a plurality of filaments within the enclosure each of said filaments carrying in contacting relation a solid to be vaporized, means for removably supporting the filaments within the enclosure, and means for supplying electric current to any one of said filaments, said apparatus being additionally characterized in that that portion of the surface of said enclosure which is opposite to the object whose surface is to be coated is provided with a plurality of openings closed by removable and interchangeable plugs a plurality of which carry insulated conductors whose inwardly projecting ends support ends of said filaments.

2,079,785
HOB GRINDING MACHINE
Ervin L. Ackley, Worcester, Mass., assignor to John Bath & Company, Worcester, Mass., a corporation of Massachusetts
Application July 13, 1934, Serial No. 735,019
12 Claims. (Cl. 51—37)

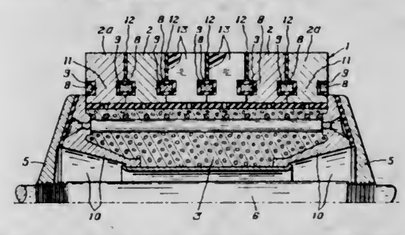


1. A hob grinding machine comprising a grinding wheel, a supporting member for a hob, a ratchet wheel on said supporting member, means to relatively adjust said wheel and hob axially, said supporting member being mounted to swing about a fixed axis eccentric to the axis of said hob but parallel thereto, means to oscillate said supporting member about said fixed axis, and relatively fixed pawl means engaged by said ratchet wheel on the return swing of said supporting member and ratchet wheel and thereby effective to angularly advance said hob relative to its supporting member.

2,079,786
CONTAINER HAVING A HIGH RESISTANCE TO CORROSION BY ALKALINE AND SODA ASH SOLUTIONS
Adolf Beck, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 1, 1931, Serial No. 541,518. In Germany June 16, 1930
3 Claims. (Cl. 206—2)

1. A container for use in conjunction with alkaline and soda ash solutions composed of an alloy containing between about 6 and 15 percent of magnesium, the balance being aluminium.

2,079,787
PULPSTONE
Hugo W. H. Beth, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application August 12, 1936, Serial No. 95,503
4 Claims. (Cl. 51—207)



1. In a pulpstone construction, a shaft having right and left-hand threads, flanges mounted on the shaft in threaded engagement with said threads, an inner portion to the stone extending around the shaft and radially smaller than the flanges so that the pressure of the flanges may be exerted beyond the inner portion, sectors arranged in the form of an annulus and around the inner portion, reinforcing rings embedded in the sectors, the sectors abutting each other in an axial direction inside of the rings and at that portion receiving the thrust of the flanges, and fillers of material which will deform under pressure between the sectors, from end to end of the stone, outside of the rings.

2,079,788
PROCESS AND COMPOSITION FOR PRINTING TEXTILE FIBER
Ivan Fleming Chambers, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 10, 1935, Serial No. 35,667
10 Claims. (Cl. 8—6)

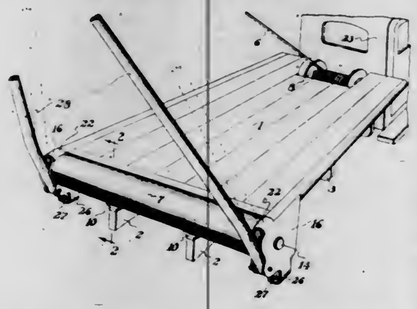
1. The process of printing textile fabric with vat dyestuffs which comprises applying thereto a printing composition containing in addition to the dyeing ingredients a water-soluble sulfate of an alcohol containing a total of not less than 6 and not more than 12 carbon atoms, the carbon atoms being so arranged that the radical next to the sulfate group does not form a straight chain of more than 6 CH_2 groups.

2,079,789
TREATMENT OF AQUEOUS SOLUTIONS OF ACETIC ACID
Ernest André Charles, Clamecy, France, assignor to Société des Produits Chimiques de Clamecy, Clamecy, France, and Etablissements Lambiotte Frères, Premery, France, corporations of France
No Drawing. Application July 22, 1935, Serial No. 32,572. In France July 10, 1935
6 Claims. (Cl. 260—122)

1. A process for concentrating a dilute aqueous solution of acetic acid which comprises distilling said acid in the presence of an entraining liquid to partially dehydrate the same azeotropically, subjecting the partially dehydrated acid to an extraction treatment in a liquid state with a solvent for acetic acid, and evaporating the extraction solvent at least partially by the heat evolved in the condensation of the vapor of the azeotropic distillation, the extracting solvent having a boil-

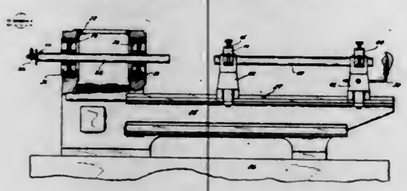
ing point low enough so that it can be vaporized by said heat and also being one which forms an azeotropic mixture with water.

2,079,790
TRUCK BODY ATTACHMENT
Vincent L. Colorigh, Tulsa, Okla.
Application September 23, 1936, Serial No. 102,234
5 Claims. (Cl. 214—84)



1. The combination with the rear end of a truck body, of a rotatable cable guide roller carried thereby, said roller having its upper side in the plane of the truck body surface and means cooperating with the roller for preventing rotation of the roller in either direction when not in use.

2,079,791
METHOD AND DEVICE FOR LOCATING AND MACHINING PARTS OF APPARATUS
Hal L. Cook, Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application February 5, 1935, Serial No. 5,088
10 Claims. (Cl. 82—1)



1. The method of constructing a machine tool having parts in exact predetermined relationship which comprises forming said machine tool with the parts substantially in said relationship, checking the parts by an optical system to determine the degree of error existing therein from said relationship, and then machining the parts to effect the said exact relationship.

10. An optical system adapted to be used with a machine tool having a bed provided with ways and a head provided with bearings for a spindle the axis of which should be in exact predetermined relationship with respect to the ways and comprising an optical device carried by said ways in predetermined relationship therewith and an optical device arranged in said head and supported by one of the bearings therein and extending through another of the bearings and having a radial movement in said last named bearing, and a steady rest secured to said head and including slides adjustable radially with respect to said spindle and forming a support for the end thereof.

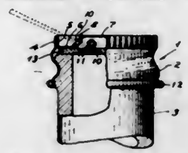
2,079,792
EXPLOSIVE MIXTURE CONTAINING TETRAACETATE OF PENTAERYTHRITE
Paolo Parodi-Delfino, Rome, Italy
No Drawing. Application August 14, 1935, Serial No. 36,089. In Italy August 18, 1934
7 Claims. (Cl. 52—20)

1. A blasting explosive, comprising a mixture of tetraacetate of pentaerythrite and a nitro-compound.

2,079,793
DETERGENT COMPOSITION
Theodore R. Donlan, Irvington, N. J., assignor to Stanco Incorporated
No Drawing. Application May 13, 1933, Serial No. 671,002
3 Claims. (Cl. 87—5)

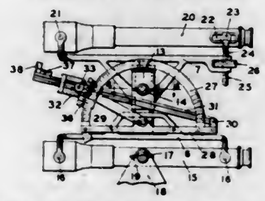
1. A non-corrosive detergent composition comprising about 20–50% of isopropyl alcohol, about 0.1% of an oil-soluble sulfonate derived from petroleum oil and about 50–80% of water, with such small amounts of minor ingredients as dyes, perfumes, and the like as may be desired.

2,079,794
BOTTLE CAP
Sergius A. Erastoff, San Francisco, Calif.
Application April 1, 1936, Serial No. 72,072
12 Claims. (Cl. 215—46)



3. A bottle cap comprising a top including a rim section and a threaded flange, the top being shaped to permit a prying tool to be applied for exerting centerwise lifting pull on the rim section.

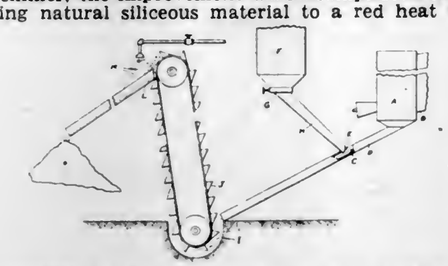
2,079,795
SURVEYING INSTRUMENT
Edwin L. Estel, St. Louis, Mo.
Application May 6, 1936, Serial No. 78,167
4 Claims. (Cl. 33—65)



1. In a device of the class described, the combination with a two-part frame, of a sighting device carried by one part of said frame in fixed relation thereto, a second sighting device pivoted to the other part of the frame, means including a measuring device for swinging said second named sighting device on its pivot, and means also including a measuring device for moving one part of the frame relative to the other, the calibrations of the two measuring devices being the same.

2,079,796
METHOD OF MAKING HIGH SILICA CEMENT
Fritz A. B. Finkeldey, Santa Cruz, Calif.
Application June 21, 1935, Serial No. 27,651
5 Claims. (Cl. 106—25)

1. In the manufacture of high-silica Portland-type cements by grinding of additional siliceous materials with finished Portland cement or clinker, the improvement which comprises heating natural siliceous material to a red heat to



increase its activity to reaction with lime and suddenly chilling the hot material before adding it to the cement or clinker, and grinding therewith.

2,079,797
PROCESS OF PRODUCING PROTEIN-IODINE COMPOUNDS
William P. Fitzgerald, Easton, Pa., assignor to J. T. Baker Chemical Company, Phillipsburg, N. J., a corporation of New Jersey
No Drawing. Application November 29, 1933, Serial No. 700,357
2 Claims. (Cl. 167—53)

1. The process of producing protein-iodine compounds which consists in bringing together an air-dry material carrying protein, and solid iodine, and grinding the two ingredients together in a closed chamber until the iodine has combined chemically with the protein.

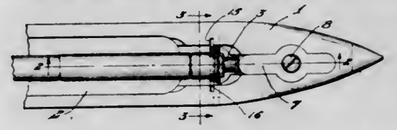
2,079,798
RESILIENT MOUNTING UNIT
Harvey D. Geyer, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 26, 1933, Serial No. 695,274
5 Claims. (Cl. 248—358)



5. A yieldable mounting unit for connecting two members, comprising: a pressed metal cup having an opening at one end thereof and having means for fixing said cup to one of said members, a metal head located within said cup in spaced relation thereto and having means exposed by said opening for fixing said head to the other connected member, and a resilient rubber block isolating said head and cup and surface-bonded by vulcanization in situ to both said head and cup, said cup having an inturned lip bent down upon and axially compressing said rubber block between said lip and the bottom wall of said cup.

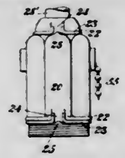
2,079,799
LOOM SHUTTLE
Harold E. Goff, Woonsocket, R. I., assignor to Shambow Shuttle Company, Woonsocket, R. I., a corporation of Rhode Island
Application January 30, 1936, Serial No. 61,451
1 Claim. (Cl. 139—208)

A loom shuttle structure comprising a pivotally mounted spindle member for supporting a bobbin in normal operating position within the shuttle or in doffing position relative thereto, and means permitting the application of and for retaining against substantial longitudinal movement on the spindle a bobbin provided with a narrow base flange having its outwardly extending sides substantially at right angles to the axis of the spindle comprising a holding member carried by the shuttle body and having spaced arms provided wtih outwardly inclined portions defining a two-diametered recess therebetween the inner portion of which recess is of substan-



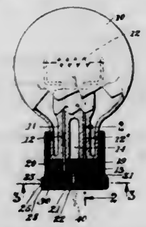
tially the same diameter as the bobbin at a point adjacent to the base flange and the outer portion of which recess is of a diameter intermediate the diameter of the bobbin adjacent to the base flange and the diameter of said base flange, whereby the base flange of said bobbin may pass angularly through the enlarged portion of the recess in the doffing position of the spindle and be in substantial engagement with that portion of the holding member adjacent to the inner portion of the recess in the operating position of the spindle.

2,079,800
LAMP SOCKET
Albert E. Grant, New York, N. Y.
Application July 22, 1933, Serial No. 681,797
5 Claims. (Cl. 173—346)



3. A lamp socket comprising a switch and a casing therefor, said casing having interior wall portions formed to support switch acuators of different types in operative relation to the switch, exterior wall sections of the casing adjacent the actuator supporting portions thereof being formed thin whereby they are adapted for selective removal to accommodate a chosen actuator.

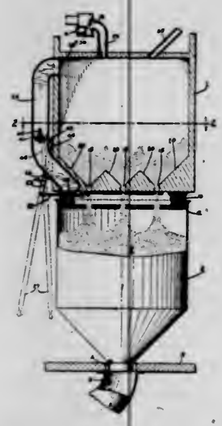
2,079,801
ELECTRIC LAMP
Albert E. Grant, New York, N. Y.,
Application February 25, 1935, Serial No. 8,032
2 Claims. (Cl. 176—32)



2. An electric lamp consisting entirely of a glass bulb having an integral heavy walled neck

portion, a filament in the bulb and a stiff wire conductor extending from each end of the filament exteriorly thru said neck portion, the exteriorly extending portions of said conductors forming a pair of parallel prongs.

2,079,802
GRAIN WEIGHING APPARATUS
Leo G. Hauk, Minneapolis, Minn.
Application April 27, 1936, Serial No. 76,626
5 Claims. (Cl. 249—1)



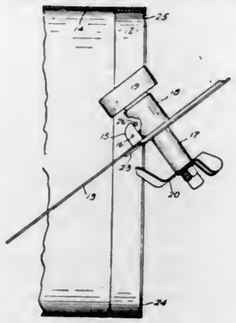
1. In a grain weighing apparatus, the combination with a supply garner and a weighing hopper therefor, an air pressure relief passage for the hopper, a supply valve for controlling delivery of material from garner to hopper, a valve for said relief passage, and means controlling both valves to move the relief valve sufficiently to relieve the pressure of the displaced air when the supply valve moves to delivery position.

2,079,803
SOLUBLE OIL
John B. Holtzclaw, Roselle, and Carl Winning, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 18, 1934, Serial No. 740,454
9 Claims. (Cl. 87—9)

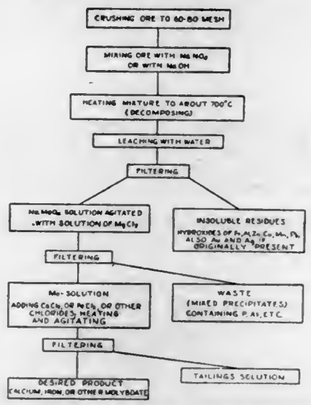
1. A non-gelling emulsifiable textile oil composition consisting of at least 80% of a mineral oil, an oil soluble sulfonate emulsifier, a lower aliphatic alcohol amine having less than 7 carbon atoms, and a carboxylic acid having more than 6 carbon atoms.

2,079,804
DRAFT REGULATOR
Don Jones, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application September 28, 1934, Serial No. 745,969
3 Claims. (Cl. 236—45)

3. An automatic draft regulator comprising a damper valve with an opening therein, a sleeve secured to the valve around said opening, a helical channel formed interiorly of said sleeve, said channel extending substantially the entire length of said sleeve but only part way around the sleeve, and a shaft slidably and rotatably mounted in said sleeve with a projection extending into said channel, one end of said shaft being weighted.

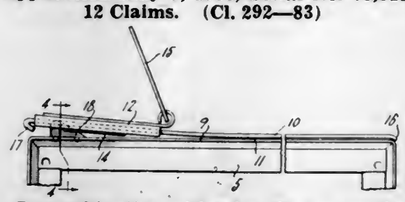


2,079,805
PROCESS FOR EXTRACTING MOLYBDENUM FROM WULFENITE ORE
Edward K. Judd, Palisade, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application June 9, 1934, Serial No. 729,766
4 Claims. (Cl. 23—18)



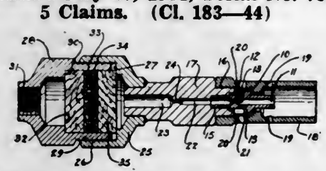
1. Process for extracting molybdenum from wulfenite ore which comprises comminuting and roasting the ore; mixing said roasted ore with a sodium compound selected from the group consisting of sodium nitrate and sodium hydroxide, said sodium compound being present in sufficient proportion to combine with substantially all of the molybdenum contained in the ore to form a water soluble compound of molybdenum; heating said mixture to an elevated reaction temperature; leaching the resultant mass with water to dissolve sodium molybdate therefrom; filtering off the clear impure solution of sodium molybdate; neutralizing said solution; adding thereto a quantity of magnesium chloride, sufficient to precipitate magnesium phosphate and arsenate; filtering off the purified sodium molybdate solution; and precipitating a substantially pure molybdate compound by adding to the solution a quantity of a water-soluble chloride of a metal which forms an insoluble molybdate, sufficient to precipitate substantially all of the molybdenum contained in said solution.

2,079,806
LATCH MEANS FOR HANDBAG FRAMES
David Karron, Brooklyn, N. Y.
Application May 9, 1936, Serial No. 78,844
12 Claims. (Cl. 292—83)



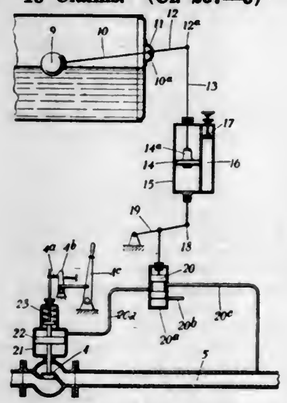
1. In combination with a bag frame member, a latch member mounted upon the top of said frame member for longitudinal sliding movement and having a part to coact with a complementary frame member and retain the same in closed position relative to said first frame member, and means fixed to one frame member, and positively coacting with said latch member in its sliding movement in one direction, to move said latch member relative to the frame members and position said part whereby the frame members may be relatively moved to open position.

2,079,807
FLUID FILTER
Robert J. Kehl, Bayside, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application July 27, 1934, Serial No. 737,173
5 Claims. (Cl. 183—44)



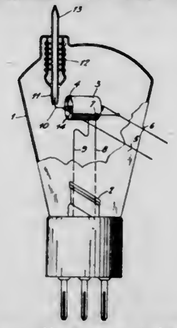
1. A filter for removing carbon particles from acetylene gas, including filtering material comprising a block of balsa wood.

2,079,808
HEATING SYSTEM
Ernst August Julius Koch, London, England
Application October 13, 1934, Serial No. 748,271
In Great Britain October 19, 1933
18 Claims. (Cl. 237—8)



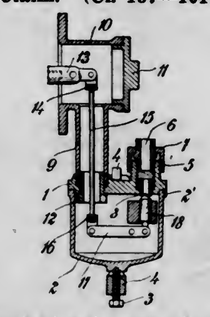
1. In a closed heating system of the type set forth the combination of a normally open isolating valve for the whole or part of the system, a control device for said valve, said control device being influenced in a direction to close the valve by increases in the rate of reduction of volume of heat carrier in the system, and means acting on said control device to maintain the valve open when the rate of reduction in volume is less than a predetermined value.

2,079,809
ELECTRON DISCHARGE TUBE
Wilhelm Eberhard Kuhle, Dietrich Prinz, and Felix Herriger, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 29, 1934, Serial No. 732,960
In Germany February 6, 1933
2 Claims. (Cl. 250—27.5)



1. An electron discharge tube comprising an envelope, a plurality of electrodes including a spiral grid electrode contained therein, a support member rigidly connected to one end of the grid, a flexible member connected to the other end of the grid, and grid adjusting means connected to said last mentioned grid end and extending through the envelope whereby the grid electrode may be adjusted in an axial direction from the outside of the envelope.

2,079,810
AUTOMATIC FEED WATER VALVE FOR BOILERS
Robert Mahler, Vienna, Austria
Application June 5, 1936, Serial No. 83,709
In Austria August 21, 1935
1 Claim. (Cl. 137—101)



An automatic feed water valve for boilers comprising, in combination, a float in the boiler, a casing directly connected to the boiler below water level, a tube leading substantially vertically downward from said casing, an enlarged

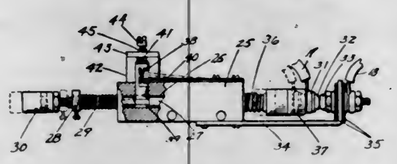
chamber connected to said tube and having a considerably larger diameter than said tube, a feed water valve in said enlarged chamber, the vertical tube as well as the seat of the feed water valve ending in the cover of said enlarged chamber, an easily detachable bottom to said enlarged chamber and a lever connection leading directly from the float through said vertical connecting tube to the feed water valve, the valve seat being arranged so that the stream of water from the water pipe line through the valve is directed downwardly, the valve seat being located at the side of the tube and above the bottom of the chamber.

2,079,811
BOW FOR STRINGED INSTRUMENTS
Albert Matha, Chicago, Ill.
Application November 7, 1935, Serial No. 48,709
6 Claims. (Cl. 84—282)



1. In a bow for string instruments, bow-strings whose opposite ends are fixedly secured to thin metallic plates, the plate at one end being provided at opposite edges with bow-tip encircling extensions whose free ends are formed to have interengaging relation; a flat member adapted to extend flush with the bottom of the frog of the bow and formed to provide an exposed smooth surface and provided with an open-ended pocket adapted to receive the plate secured to the rear ends of the strings while the strings extend through the open end of the pocket; and means pivotally secured to the member whereby the latter is removably secured to the frog.

2,079,812
CIRCUIT BREAKER
Ambrose D. Olds, Wichita, Kans.
Application June 4, 1934, Serial No. 728,844
1 Claim. (Cl. 200—138)



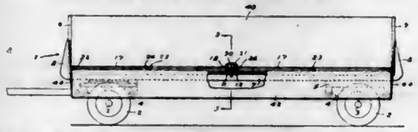
A circuit breaker comprising a block, an elongated longitudinally movable contact carrier in the block, a collar on the longitudinally movable member, a spring between the end of the block and the collar, a longitudinally yielding contact on the end of the longitudinally movable member distant from the spring, a spring weaker than the first spring between the contact and the block, a contact in line with the first named contact, a transversely movable detent in the block to engage a notch in the longitudinally movable member, and a thermostatic blade for moving the detent so that the first named spring can impart movement to the longitudinally movable member to cause the first named contact to move away from the second.

2,079,813
SEALED PACKAGE AND METHOD OF SEALING
Abraham Podel, Bronx, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application February 27, 1931, Serial No. 518,605
11 Claims. (Cl. 226—82)



4. The method of hermetically sealing a closure cap having a gasket in the skirt thereof to a glass container having a side wall sealing surface, which method comprises forcing downwardly a cap containing a gasket in the skirt thereof onto the container while the cap and container are subjected to a partial vacuum, the gasket in the closure being smaller than the sealing zone of the container to wedge the gasket between the side wall of the container and the skirt of the cap thereby to compress the gasket against the side wall of the container to provide a temporary hermetic seal readily formed with a partial vacuum within the container and thereafter reforming the skirt of the cap under atmospheric conditions to form a permanent hermetic seal.

2,079,814
VEHICLE
Jean C. Renault, Salinas, Calif., assignor to Farmers Merchantile Company, Salinas, Calif.
Application March 23, 1936, Serial No. 70,258
7 Claims. (Cl. 214—83)

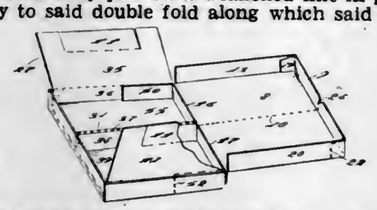


1. A vehicle having an endless conveyor as a floor to receive objects thereon, means for moving the conveyor whereby the objects are discharged over the end thereof, the said means including a pair of sprocket shafts, adjustable supporting means for one of the shafts whereby the tension of the conveyor may be adjusted, and a plate pivoted relative to the conveyor for movement between vertical and angular positions to serve as a stop for the objects or as a receiving platform for the same, the plate being pivoted to the adjustable shaft supporting means so as to partake of any shaft adjustment and to retain the same relative position to the conveyor.

2,079,815
DUPLEX CONTAINER
William A. Ringler, Wayne, Pa., assignor to Carton Container Company, Philadelphia, Pa., a corporation of Delaware
Application September 28, 1932, Serial No. 635,180
5 Claims. (Cl. 229—15)

2. In a duplex container, an outer box comprising a body portion with closed side walls and a cover with closed side walls, and an insert adapted to be received in the bottom of said body portion and having a double fold contributing to form two compartments, said insert being adapted to be folded into box formation, and said cover having

with said body portion a weakened line in proximity to said double fold along which said body



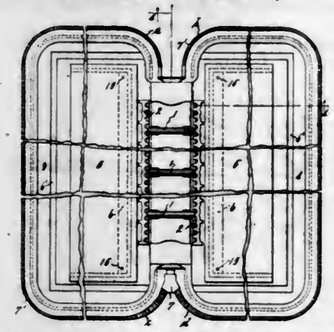
portion and cover are separated and also said double fold to form two separate and independent containers.

2,079,816
ADJUSTABLE CURTAIN BRACKET
Lawrence J. Rose, St. Louis, Mo.
Application May 24, 1935, Serial No. 23,228
2 Claims. (Cl. 248—265)



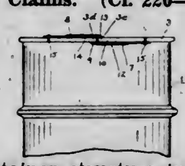
1. A curtain bracket comprising a housing having a longitudinal slot in one of its walls and a row of ratchet teeth on an opposing wall, an adjustable retaining member mounted in said housing having a ratchet at one end for cooperation with said teeth and said member having an under-curved opposite end, said member having its intermediate portion mounted in the longitudinal slot, and a leaf spring interposed between the ratchet end of said member and the slotted wall of the housing.

2,079,817
LOOSE LEAF BOOK
John Schade and Frank S. Schade, Holyoke, Mass., assignors to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application November 2, 1931, Serial No. 572,558
9 Claims. (Cl. 129—1)



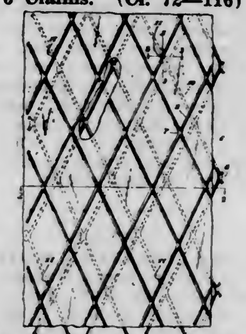
9. In a loose-leaf binder for fillings composed of superposed layers of material having free outer edges, a pair of covers having resilient flexible marginal portions, a binder frame having means for securing a filling between said covers, the said flexible marginal portions of the covers being provided with rows of cooperating fastening devices in interlocking relation to draw the said covers into uniform pressure contact with the edge portions of the superposed layers of material to hold the same flatly together, said flexible marginal portions being extended beyond the free edges of the superposed layers of material to provide for the accommodation of fillings of different thicknesses.

2,079,818
KEEPER RING
Charles H. Schnorr, New Kensington, Pa., assignor, by mesne assignments, to Cornell Securities Corporation, Cleveland, Ohio, a corporation of Delaware
Application December 29, 1934, Serial No. 759,674
12 Claims. (Cl. 220—61)



1. In a container structure including a container body having an opening provided with a peripheral bead, a cover for said opening, said cover having a marginal flange for cooperation with said bead, and an adjustable keeper ring of interrupted continuity, said keeper ring being of V-shaped cross section and adapted to engage said cover flange from above and said bead from below, the combination of means organized with the ends of the ring provided by the interruption in its continuity, said means comprising a cooperating pair of levers severally swingable in opposite directions for adjusting said ring and thereby, by the action of said ring on said cover flange and said bead, securing said cover in position in the opening of said container body, said levers being connected to said ring ends and extending outwardly in opposite directions from the region of the interruption.

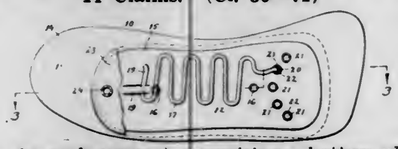
2,079,819
METHOD OF MAKING PLASTER BASES AND THE PRODUCT THEREOF
Walter F. Schulz, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application October 7, 1935, Serial No. 43,963
6 Claims. (Cl. 72—116)



3. The method of securing metal fabric to the opposite sides of a foundation sheet of dielectric

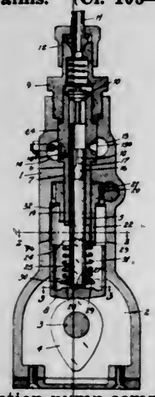
material which consists in welding the fabric together through the sheets and forming the openings for the welds by said welding action.

2,079,820
ARCH SUPPORT
Everett H. Scott, Akron, Ohio, assignor of one-half to Thomas J. Seibert, Akron, Ohio
Application October 31, 1935, Serial No. 47,566
14 Claims. (Cl. 36—71)



1. An arch support comprising a bottom plate, a flexible arched upper body slidable on one end of said bottom plate to spread or allow contraction of the arch by the varying weight of the user applied thereto, and fixed on the other end of said bottom plate, and an intervening, extensible spring member connected at its ends to the upper body and arranged as a chord thereon.

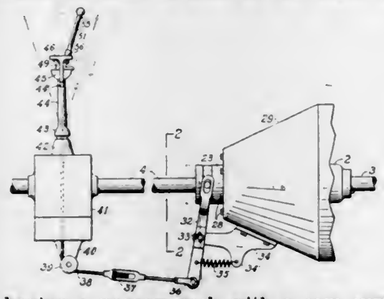
2,079,821
FUEL INJECTION PUMP
William L. Scribner, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application March 21, 1935, Serial No. 12,160
5 Claims. (Cl. 103—154)



1. A fuel injection pump comprising a housing, a cylinder therein, a piston reciprocable in said cylinder and having a flat-sided portion projecting therebelow, and a sleeve rotatably mounted in said housing concentric with said cylinder and terminating therebelow in an end wall having a notch therein adapted to slidably but non-rotatably receive the flatsided portion of said piston, said sleeve having a portion of its side wall cut away between the end wall thereof and said cylinder, and said notch opening toward the cutaway portion of said sleeve.

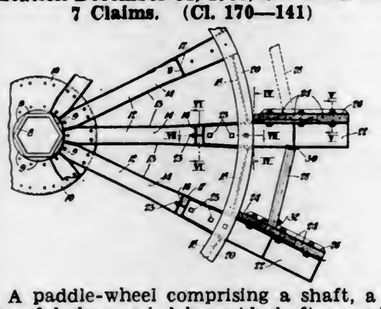
2,079,822
FRICTION CLUTCH FOR MOTOR CARS
Manuel Aurelio Serra, Habana, Cuba
Application May 20, 1936, Serial No. 80,866
In Cuba April 27, 1936
2 Claims. (Cl. 192—3.5)

1. A friction clutch for a motor having a fly-wheel, said clutch comprising a casing, a main shaft, a friction disk fixed on said fly-wheel and a plate having a hub non-revolubly but slidably mounted on said main shaft arranged in alignment with the axis of the fly-wheel, a second friction disk fixed on the plate in juxtaposition to said first disk, a ball-bearing for said plate, a spring wound around said shaft mounted between said ball-bearing and the fly-wheel adapted to hold the disks apart, a second spring wound around the hub of said plate, a second hub slidably mounted on the fly-wheel and provided with an annular flange, said second spring being mounted between said plate and said flange of the second hub to hold them apart, a sleeve fixed on said shaft within the second hub, pivoted levers on said sleeve having ends bevelled in one direction, springs tending to press said beveled ends against said flange of the second hub, the opposite ends of said levers carrying rollers, a slide-muff mounted to slide on the main shaft



and having a narrow neck with a cam surface, spring-actuated radially directed bolts normally tending to engage in said neck, said bolts being slidably mounted in said clutch casing, cam elements projecting sideways from said radial bolts, rollers mounted on said second hub and adapted to engage with said cam elements, cam surfaces formed on the end of said neck of the slide-muff in cooperative connection with the rollers of the pivoted levers, a double-armed lever adapted to effect the engagement and disengagement of the disks through the intermediary of the movement of said slide-muff due to the cooperation of the radial bolts and of the rollers and beveled ends of the pivoted levers, the cam surfaces on the neck of the slide-muff and the flange of the second hub respectively; and hand-operated means for securing the clutch in inoperative position through the cooperation with said double-armed lever.

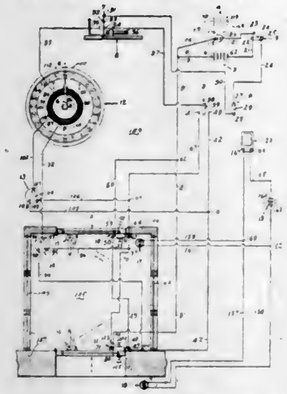
2,079,823
PADDLE WHEEL
Harry Frederick Shaw and Walter G. Swartz, McKeesport, Pa.
Application December 31, 1936, Serial No. 118,648
7 Claims. (Cl. 170—141)



1. A paddle-wheel comprising a shaft, a plurality of hubs carried by said shaft, a radially

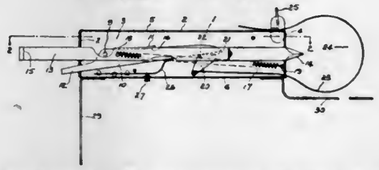
extending plate associated with each of said hubs, a plurality of radially extending metal spokes welded to each of the units formed by said hubs and plates, corresponding spokes on said units being constructed and arranged to lie in a plane, means associated with and extending between the ends of said spokes for distributing a force exerted on one of said spokes, spoke inserts detachably secured to said spokes adjacent the ends thereof, and material adapted to form paddles extending between and carried by corresponding spoke inserts.

2,079,824
UNIT FOR BANK PROTECTION
Clarence G. Smeaton and Andrew M. De Voursney, Milwaukee, Wis.; said De Voursney assignor to said Smeaton
Application May 6, 1932, Serial No. 609,586
23 Claims. (Cl. 20—1.01)



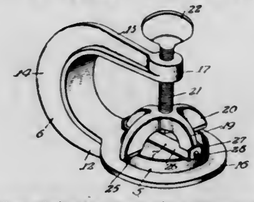
5. The combination with a chamber and a vault having a door accessible solely through said chamber, of a door for said chamber and a plurality of separate means alternatively operable for controlling the opening thereof, and mechanism for rendering one of said means operable and the other inoperable in accordance with the status of said vault door as to whether it be unlocked or locked.

2,079,825
ANIMAL TRAP
Adam Urquhart, Vancouver, British Columbia, Canada, assignor to Walter Holloway, Grahamvale, Canada
Application September 21, 1936, Serial No. 101,745
7 Claims. (Cl. 43—79)



1. An animal trap comprising a body, a spear head projectable from the body by spring means, means for holding the spear head in retracted position and a noose normally projecting beyond the body adapted on being strained by an animal entering said noose to release the holding means and release the spear for projection beyond the body.

2,079,826
VULCANIZING APPARATUS
Noah Van Cleef, Chicago, Ill., assignor to Van Cleef Bros., Chicago, Ill., a partnership consisting of Noah Van Cleef, Felix Van Cleef, Maxime Van Cleef, and Paul Van Cleef
Application December 9, 1935, Serial No. 53,492
2 Claims. (Cl. 18—18)



1. A vulcanizing apparatus comprising in combination a clamp having a part for supporting a tire tube and also having a clamping spider disposed above, and movable to and from, said part and embodying a long leg and a short leg, a fuel retaining platen adapted to clamp a patch against the portion of the tube on said supporting part and having an upstanding side wall adapted to be engaged by, and receive clamping pressure from, the long leg of the spider, and an adapter having a part thereof positioned beneath the short leg of the spider and arranged and adapted to engage the side wall of the platen and to transmit clamping pressure from said short leg to said side wall of the platen and having another part extending upwards from the first mentioned part and both interlocked with and fastened to said short leg of the spider so that the adapter forms a part of said short leg and is connected for conjoint movement with the spider.

2,079,827
WEED KILLING COMPOSITIONS
William Hunter Volck, Watsonville, Calif., assignor to California Spray-Chemical Corporation, Berkeley, Calif., a corporation of Delaware
No Drawing. Application July 5, 1932, Serial No. 620,984
7 Claims. (Cl. 167—45)

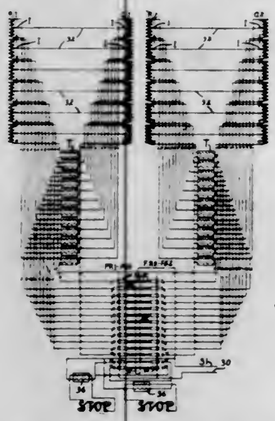
1. A weed killing composition comprising uncombined sulphur dissolved in a petroleum oil base containing unsaturated constituents, the sulphur being in amount sufficient to make a substantially saturated solution.

4. A weed killing composition comprising uncombined sulphur dissolved substantially to the point of saturation in a mixture of approximately 75% by weight of Diesel oil 27 plus and 25% of liquid sulphur dioxide extract of petroleum oil.

2,079,828
TRAFFIC CONTROL SIGNAL
Charles B. Watson, Omaha, Nebr., assignor of fifty-one per cent to Fay G. Johnson, Omaha, Nebr.
Application April 3, 1936, Serial No. 72,542
3 Claims. (Cl. 177—327)

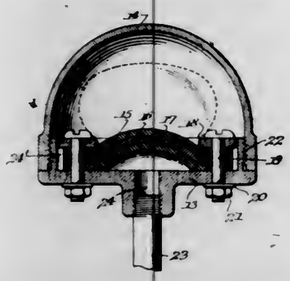
3. In a traffic control signal, the combination, a set of electrically illuminable gaseous discharge indicators, each indicator comprising a plurality of spirally coiled gaseous discharge tube sections arranged in superposed relations, each indicator section being provided with an electrode adjacent each end and an intermediate electrode, the respective intermediate electrodes of the respective indicators being electrically connected together,

a transformer for each portion of each tube section, said transformers supplying current to the respective tube portions from their secondary coils, one side of the secondary for each tube portion being connected to an end electrode of a tube section of an indicator and the other side being connected to the corresponding end elec-



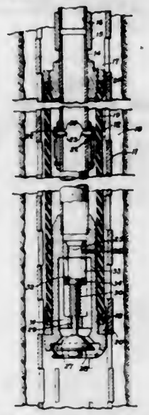
trode of the other indicator, and means for supplying electric current to the transformer primaries in such manner that the indicators will be first fully illuminated and then progressively darkened, a portion of a section at a time, from one end until the entire length of the indicators will be extinguished, said indicators being operated simultaneously.

2,079,829
PRESSURE HAMMER ABSORBER
Anton J. Zoeller, West New York, N. J.
Application June 29, 1936, Serial No. 88,053
6 Claims. (Cl. 138—30)



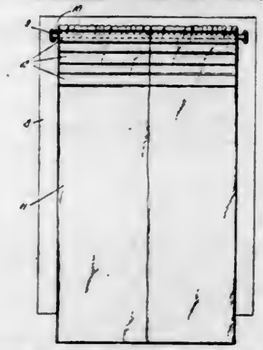
1. A pressure hammer absorber for pressure supply pipes, comprising a diaphragm-supporting base, a pressure connection to said base, a flexible diaphragm mounted on said base and enclosing said pressure connection, means for securing said diaphragm to said base in fluid-tight relation, a cap enclosing said diaphragm and its securing means, and independent means for securing said cap to said base, said means forming a substantially tight joint to prevent flooding but being of sufficient looseness to permit seepage of air and water to indicate rupture of the diaphragm.

2,079,830
APPARATUS FOR BLANKING AND CEMENTING OFF PERFORATED WELL CASINGS IN A WELL BORE
Reuben C. Baker, Coalinga, and Clarence E. Burt, Los Angeles, Calif., assignors to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California
Application November 23, 1935, Serial No. 51,283
8 Claims. (Cl. 166—13)



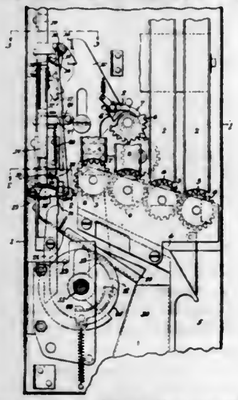
1. An apparatus of the character described comprising an elongated hollow body adapted to be connected at its upper end to a string of running in tubing, an expansible packing sleeve concentrically arranged about said body and connected in a fluid-tight manner at its ends to said body, check valve means in said body at a point intermediate the ends of said sleeve to enable fluid to be forced from said body between said body and said sleeve, means in said body below said check valve means preventing the passage of fluid downwardly through said body, said latter-named means being capable of being rendered ineffective by fluid pressure within the body above that required to open said check valve means.

2,079,831
CURTAIN
Andrew Bauer, Jr., Forest Hills, N. Y., and Robert Whewell, New Bedford, Mass., assignors to United Merchants & Manufacturers, Inc., New York, N. Y., a corporation of New York
Application November 20, 1935, Serial No. 50,646
1 Claim. (Cl. 139—389)



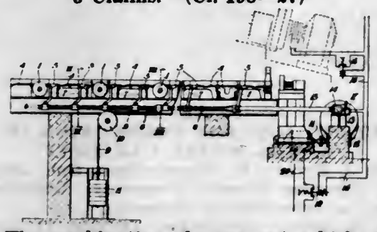
As a new article of manufacture a curtain or drape comprising a woven fabric of single thickness throughout a major portion thereof and having adjacent one end and at fixed distances from the other end a plurality of zones of double thickness arranged in parallel spaced relation relative to each other and spaced apart by areas of single thickness, said zones of double thickness extending transversely across the curtain and constituting tunnels, any one of which may receive a rod or the like to hang the curtain.

2,079,832
COIN CONTROLLED MECHANISM
Harry S. Benjamin, Utica, N. Y.
Original application July 12, 1935, Serial No. 31,068. Divided and this application February 10, 1936, Serial No. 63,183
10 Claims. (Cl. 194—1)



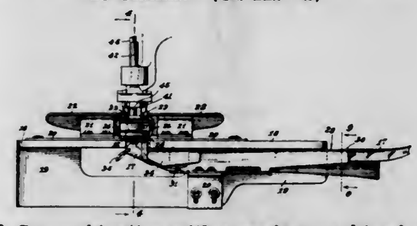
1. In a vending machine, the combination with merchandise delivery mechanism; of coin controlled mechanism for controlling the operation of said delivery mechanism and including a coin chute, a trip member projecting into said chute to be operated by a coin passing down said chute to release said coin controlled mechanism, a coin deflector, and means operated by said trip member to release said coin controlled mechanism and to project said deflector into said coin chute in timed relation to the operation of said trip member to deflect a second coin inserted in said chute.

2,079,833
KICK-OFF OPERATING MECHANISMS
Herbert G. R. Bennett, Duquesne, Pa.
Application December 8, 1934, Serial No. 756,695
3 Claims. (Cl. 198—27)



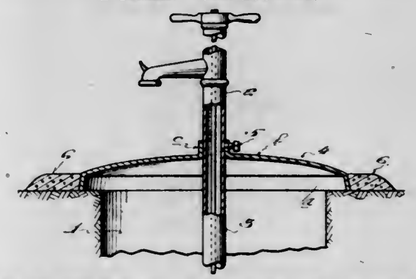
2. The combination of a run-out, a kick-off for said run-out, means for continuously urging said kick-off to its inoperative position, a motor, releasable means for connecting said motor to said kick-off so that operation of the former forces the latter to its work-discharging position and means responsive to the arrival of said kick-off at its second named position for effecting releasal of the second named means.

2,079,834
SEWING MACHINE AND METHOD
Max Blumenkrants, New York, N. Y.
Application July 11, 1935, Serial No. 30,807
13 Claims. (Cl. 112—2)



6. In combination with a sewing machine having a plurality of needles, means for guiding a garment part having a slitted opening so as to produce one line of stitching on each side of said opening, means for guiding a slide fastener having two fabric strips to a position below the garment part so that each of its fabric strips will be engaged by one of said lines of stitching, and means for guiding a liner to a position below the slide fastener so that the liner will be engaged by said stitching along only one of its edges.

2,079,835
COVER FOR WELLS AND CISTERNS
Isaac F. Bradley, Dallas, Tex.
Application January 20, 1936, Serial No. 59,846
1 Claim. (Cl. 166—14)

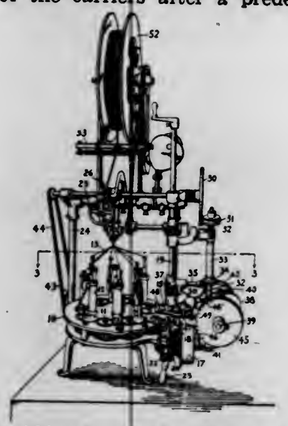


As a new article of manufacture, a cover for wells and cisterns comprising the combination of a plurality of associated castings, each consisting of a segment of a circle having boundary flanges, the outer peripheral flange being disposed at an acute angle relative to the base plane of said casting, the inner peripheral flange being disposed above and normal to said plane, and means for securing the radial flanges of said sections together.

2,079,836
BRAIDING MACHINE CONTROL
Lawrence F. Brown and Paul A. Allen, Cortland, N. Y., assignors to Cortland Line Company, Inc., Cortland, N. Y., a corporation of New York
Application March 11, 1936, Serial No. 68,166
15 Claims. (Cl. 96—11)

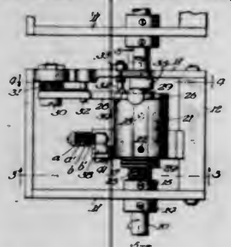
1. In a braider machine, means for braiding strands of material and which means include a plurality of bobbin carriers, power driven means for bodily rotating the carriers about a common axis, a centralized stop mechanism commanding the power driven means and serving to bring the carriers to rest, movably mounted pattern means also actuated by said power driven means and which pattern while operative is continuously moved in unison with the carriers, said pattern

being interconnected to control the stop mechanism and serving to automatically shut down the rotation of the carriers after a predetermined



length of braid has been laid, and means for automatically changing the pick of such braid in a proportionate relation to the laid length thereof.

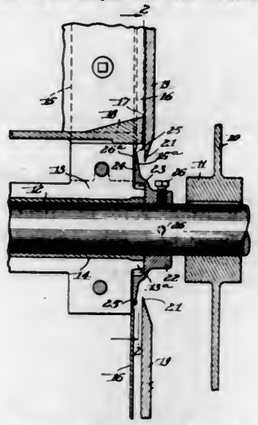
2,079,837
POWER OPERATED MECHANISM
Arthur H. Buckley, Chicago, Ill.
Application April 5, 1935, Serial No. 14,813
15 Claims. (Cl. 192—142)



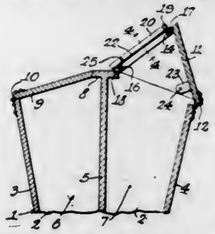
1. In mechanism for producing operations for predetermined periods, the combination of a power-shaft, a clutch comprising rotatable drive and driven members, spring-means for coupling the clutch, positively-acting means for stopping the driven member at predetermined intervals, measured in exact relation to the rotary movement of the shaft, comprising a movable stop member and a coacting member rotating with the driven clutch member, and a key for controlling the stop means and rendering the driven member operative, electrically connected to shift the shiftable stop member momentarily, and then release it so it is movable independently of the key.

2,079,838
ENSILAGE CUTTER
Fred J. Bullock, deceased, late of Shortsville, N. Y., by Violet V. Bullock, administratrix, Rochester, N. Y., assignor to Papec Machine Company, Shortsville, N. Y., a corporation of New York
Application February 13, 1936, Serial No. 63,772
5 Claims. (Cl. 146—116)

1. In an ensilage cutter, a frame having a shear plate, a bearing carried by the frame, a shaft mounted in said bearing, a cutting wheel on the shaft having a plurality of knives for cooperation with the shear plate, and a collar fixed on the shaft adjacent the bearing and having an outwardly extending flange overlapping the inner ends of the knives and spaced rearwardly therefrom adjacent the frame.



2,079,839
GRAIN DRILL SCREEN
Wesley Mead Byers, Miami, Tex.
Application April 6, 1936, Serial No. 73,009
2 Claims. (Cl. 209—370)

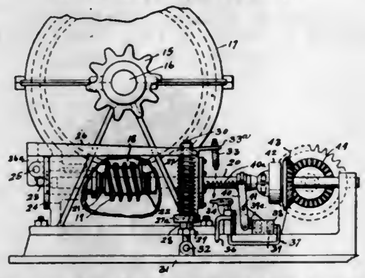


1. In a device of the class described, a box comprising first and second walls, a lid, a hinge connecting the outer end of the lid to the first wall, a screen frame hinged to the inner end of the lid and foldable toward the lid hinge to lie against the under surface of the lid, a screen carried by the screen frame, and means for holding the screen frame folded as aforesaid, the screen frame having a free end engageable with a part of the second wall, the lid then constituting a prop which holds the screen and the screen frame in inclined position, with the screen above the box.

2,079,840
METHOD FOR THE PRODUCTION OF A NOBLE METAL CATALYST
Rollin J. Byrkit, Jr., Marshallton, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 11, 1933, Serial No. 693,157
7 Claims. (Cl. 204—1)

1. The process of making a catalyst which includes forming by electrolysis of an alkaline solution containing platinum upon a suitable base employed as the anode an adherent coating of a complex platinum oxide, converting the complex oxide to a simple platinum oxide, and reducing the simple oxide to metallic platinum.

2,079,841
ROTARY RIG DRILLING CONTROL
Amon H. Carson, Rexford O. Anderson, and Clarence D. Davenport, Oklahoma City, Okla.
Application December 7, 1935, Serial No. 53,314
4 Claims. (Cl. 255—19)



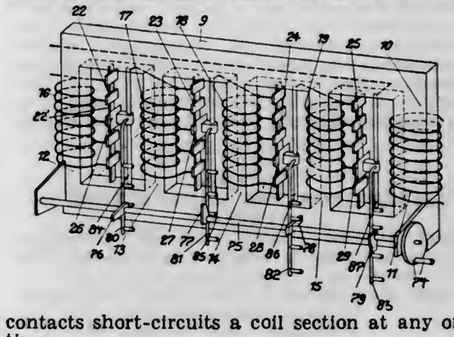
1. In a rotary drilling rig having a rotatable drum and a flexible line wound thereon and connected to, and supporting a drill stem in a well; a gear operatively connected with the drum, a worm in mesh with the gear and arranged to normally hold said gear and drum against rotation, a driving member, means arranged to be actuated by the line, through said gear and worm, upon an increase in tension of the line, and effective to operatively connect the driving member with the worm whereby the worm will be rotated to release said gear and to allow the gear and drum to turn only to unwind the line and permit the drill stem to descend.

2,079,842
ELECTROPLATING BATH COMPOSITION AND METHOD OF PRODUCING THE SAME
Lionel Cinamon, New York, N. Y.
No Drawing. Application November 16, 1935, Serial No. 50,157
4 Claims. (Cl. 204—2)

1. As a composition of matter for the electrodeposition of copper-zinc-tin alloys, the reaction product of copper cyanide; sodium cyanide; sodium bisulfite; zinc oxide; zinc sulfate; sodium stannate; tri-sodium phosphate in the monohydrate form, said product being characterized by its ability to produce brilliant white electro-deposited alloy plates from solution.

2,079,843
TRANSFORMER
Walter Dällenbach, Berlin-Charlottenburg, and Georg Leischner, Berlin-Schmockwitz, Germany, assignors to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands
Application May 17, 1935, Serial No. 22,068
In Germany May 18, 1934
19 Claims. (Cl. 171—119)

1. A transformer, comprising an iron core having a plurality of pole pieces, at least one pole piece of said core consisting of a plurality of magnetically parallel partial pole pieces, at least one coil encompassing the entire iron cross section of one pole piece, and a plurality of coils each encompassing one of said partial pole pieces, taps subdividing said last coils, groups of contacts connected to said taps, cooperating contacts movable along said groups, the dimensions of said movable contacts being such that contact at any point is broken only after contact has been closed at the next succeeding point, and means for moving the individual movable contacts at separate times so that no more than one of the movable



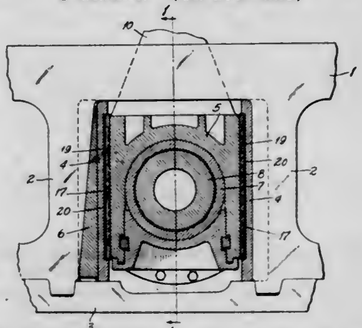
contacts short-circuits a coil section at any one time.

2,079,844
VEHICLE
Elmer L. De Vore and Raymond E. De Vore, Meadville, Pa.
Application May 10, 1935, Serial No. 20,837
11 Claims. (Cl. 280—104)



1. In a vehicle, a frame, wheels associated with the frame and having axles, springs extending longitudinally along the sides of the frame, means connecting the terminal portions of the springs to the frame for movement of the springs longitudinally with respect to the frame, levers pivotally connected to the intermediate portions of the spring, shackles pivotally connecting the levers to the frame, a second set of levers pivotally connected at the meeting portions thereof with each other, means pivotally connecting the intermediate portions of the first-named levers to the second-named levers, and cranks connecting the axles to said second-named levers.

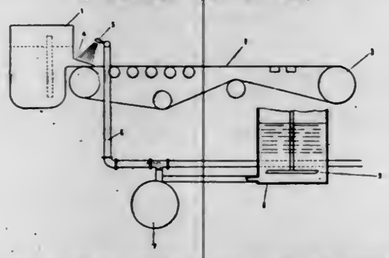
2,079,845
TRUCK
Clifford L. Eastburg, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application March 2, 1936, Serial No. 66,625
6 Claims. (Cl. 105—225)



1. A truck comprising a pedestal, a box lo-

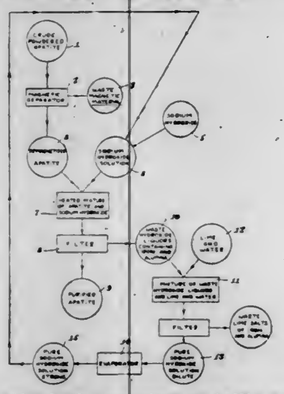
cated in the jaw of said pedestal, guide shoes interposed between the opposing sides of said pedestal and said box, the box opposing sides of said shoes being provided with recesses, and wear plates seated in said recesses and adapted to engage the adjacent sides of said box, the box opposing sides of said shoes having openings therein extending from one edge of said shoes through the adjacent walls of the recess therein.

2,079,846
MACHINE FOR THE MANUFACTURE OF PAPER
Albert Edward Harold Fair, St. Catharines, Ontario, Canada, assignor to Economy Filler Processes, Inc., Niagara Falls, N. Y.
Application March 7, 1934, Serial No. 714,492
In Canada June 16, 1933
2 Claims. (Cl. 92—40)



1. In a paper making machine the combination of a flow box, a Fourdrinier part, means including a lip on the flow box for feeding fibre suspension on to the Fourdrinier part, the fibre suspension being fed below said lip, a series of nozzles adapted to spray a filler suspension on said lip whereby to flow therefrom on to the fibre suspension.

2,079,847
PURIFICATION OF PHOSPHATE SOURCE FOR ACID MANUFACTURE
Augustus H. Fiske, Warren, R. I., assignor to Rumford Chemical Works, Rumford, R. I., a corporation of Rhode Island
Application May 27, 1936, Serial No. 82,005
8 Claims. (Cl. 23—108)



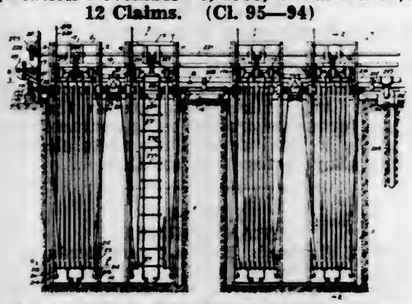
1. The method of removing metallic and non-metallic impurities from a natural calcium phosphate source consisting first in physically separating from the dry powdered non-magnetic phosphate material by magnetic separation those particles including magnetic and combinations of magnetic and non-magnetic impurities, in then dissolving the remaining impurities with an alkali metal hydroxide and in filtering the insoluble phosphates from the solution.

2,079,848
MAKING STEEL
Charles B. Francis, Pittsburgh, Pa.
Application November 7, 1935, Serial No. 48,746
5 Claims. (Cl. 75—46)



1. The process of treating pig iron containing at least 0.04 per cent phosphorus which includes blowing said pig iron in an acid Bessemer converter, separating substantially all of the slag formed thereby from the blown metal, and mixing the substantially slag-free blown metal with a dephosphorizing agent comprising a solid reaction product obtained by heat treating a mixture of limestone and iron oxide at a temperature sufficient to calcine the limestone and combine part of the resulting lime with the iron oxide.

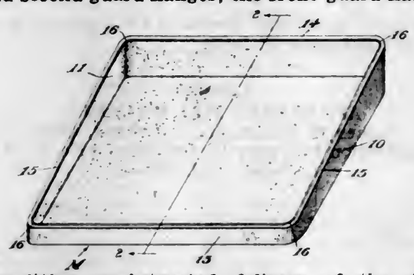
2,079,849
FILM DEVELOPING MACHINE
Robert Lewis Geib, Los Angeles, Calif., assignor to Warner Brothers Pictures, Inc., New York, N. Y., a corporation of Delaware
Application November 25, 1935, Serial No. 51,417
12 Claims. (Cl. 95—94)



1. In a photographic film treating apparatus, the combination of a drive shaft, a clutch on said shaft, a plurality of film rollers on said shaft, means for engaging and disengaging said rollers with said shaft, and means for varying the degree of engagement of said rollers with said shaft and with each other.

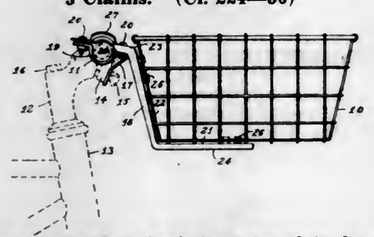
2,079,850
DICE MAT
Samuel Gessler, Chicago, Ill., assignor to Rubini Cigar Company, Inc., Chicago, Ill., a corporation of Illinois
Application April 20, 1936, Serial No. 75,455
2 Claims. (Cl. 273—148)

1. A dice mat for receiving dice discharged from a point externally thereof, comprising a horizontal dice supporting base, a rear guard flange of substantial height upstanding from one edge of said base, a front guard flange of substantially less height upstanding from the opposite edge of said base, and side guard flanges upstanding from the other oppositely disposed edges of said base and having the upper edges thereof merging into the upper edges of said first and second guard flanges; the front guard flange



permitting unobstructed delivery of the dice thereover and onto said horizontal base, the rear guard flange together with adjacent portions of the side guard flanges arresting the movement of the dice and positively confining same within the mat, and the space within said guard flanges being completely open to said horizontal base for unobstructed delivery of the dice onto said horizontal base throughout the extent thereof.

2,079,851
BICYCLE BASKET
Clarence S. Glenny, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass., a corporation of Massachusetts
Application February 17, 1936, Serial No. 64,201
3 Claims. (Cl. 224—36)

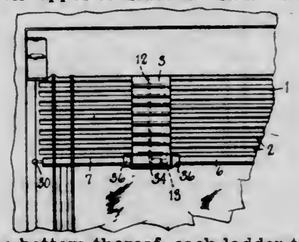


1. In a bicycle, a basket arranged to be supported on the handle-bar thereof, the bicycle having a handle-bar and a member supporting said bar on a clevis equipped with a fastening bolt the head of which projects for engagement by a wrench in the tightening thereof, clamping means carried on the basket and engaging the handle-bar on opposite sides of the clevis to attach the basket to said bar frictionally, and a brace member for said basket held in place under the head of the aforesaid bolt and serving positively to prevent rotation of the basket with the clamping means about the handle-bar as an axis.

2,079,852
BOTTOM RAIL FOR VENETIAN BLINDS
George A. Grassby, Jr., Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application June 22, 1936, Serial No. 86,594
11 Claims. (Cl. 156—17)

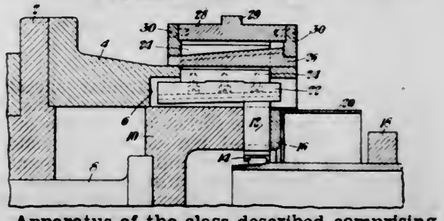
1. In a Venetian blind, the combination of a bottom rail having its bottom formed of a strip of sheet metal, said strip having its sides bent up and recurved and spaced from one another to form the sides of the bottom rail, and a central channel therein for concealing lift cord fixtures

or the like, the edges of the recurved portion of said strip being spaced from the bottom of the rail, a lift cord fixture having a base fitted in the space between the bottom of said rail and said edges and having a lift cord engaging portion extending into and concealed by said channel, said lift cord fixture being fixed in place by indentations in the recurved portion of the strip, a ladder tape having front and rear portions extending on opposite sides of said bottom slat



and to the bottom thereof, each ladder tape having its end folded over and fastened on itself, a clip having a recess to receive and hold the folded ends of said ladder tape, said clip being fastened on the bottom of said bottom slat and clamping said ladder tapes thereagainst with the unfolded portions extending from said clip and up the sides of the rail, said clip having arms embracing the sides of said bottom rail and holding said clip in position on the bottom thereof.

2,079,853
THREADING APPARATUS
George C. Greenwood and Richard Scholz, Lorain, Ohio, assignors to National Tube Company, a corporation of New Jersey
Application October 26, 1936, Serial No. 107,706
9 Claims. (Cl. 10—95)

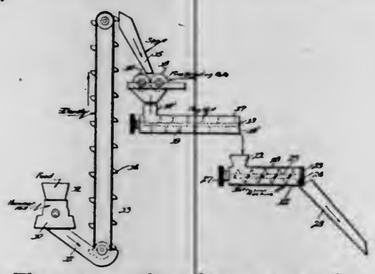


1. Apparatus of the class described comprising a spindle, a hollow die body secured to said spindle, a lead screw rotated at the same speed as said spindle, means slidably received in said die body and engage with said lead screw, chasers associated with said means and provided with thread cutting means in combination with chaser control bars held in said die body for movement perpendicular to the axis of said spindle and connected to said chasers by sliding interlocks, a wedge mounted on one side of each of said chaser control bars by a tapered sliding interlock, and means positioning said wedges for limited longitudinal movement on said die body.

2,079,854
PROCESS FOR TREATING NATURALLY ACTIVE EARTH AND PRODUCT THEREOF
Frank W. K. Hartshorne, Quincy, Fla., assignor to Floridin Company, Warren, Pa., a corporation of Delaware
Application August 27, 1936, Serial No. 98,232
20 Claims. (Cl. 252—2)

11. The improved process of treating a naturally active earthy decolorizer, such as

fuller's earth, which consists in subjecting the same in plastic form and while retaining combined moisture in excess of 2% to flow under pressure of approximately 500 pounds per square inch.



12. The process of producing an earthy cellular decolorizer which consists in subjecting a naturally active cellular decolorizer, such as fuller's earth, having a combined moisture content of not less than 2% and a free moisture conten in excess of 40% to extrusion under pressure effective to increase its adsorptive capacity in excess of 10% as compared to the same earth which has not been extruded.

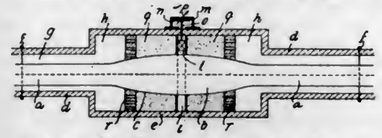
2,079,855
LINGERIE CLASP
Horthensia Hirsch, West Los Angeles, Calif.
Application October 21, 1935, Serial No. 45,922
Renewed March 26, 1937
2 Claims. (Cl. 24—162)



2. A clasp comprising a circular sheath or shank which is open or cut away at one side, said shank having a socket at one side of said opening, a segmental pin or fastener slidably mounted in said socket and having means for its manual operation, a spring mounted in said socket and tending to extrude said pin therefrom, and suspending means attached to the socket portion of said sheath, said pin being pointed and said shank having an end portion externally tapered to an edge and surrounding a seat positioned to receive and shaped to fit smoothly around the pointed portion of said pin without contacting with the extremity thereof.

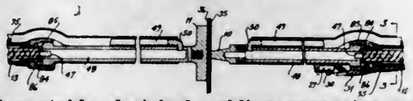
2,079,856
ELECTRIC CABLE INSTALLATION
Martin Hochstadter, Brussels, Belgium, and Wilhelm Vogel, Cologne-Mulheim, Germany, assignors, by mesne assignments, to Protona A. G., Basel, Switzerland
Application May 27, 1931, Serial No. 540,472
In Germany June 3, 1930
9 Claims. (Cl. 247—3)

1. An underground electric cable installation having a channel for a pressure gas, means arranged at suitable places along the cable capable of allowing the passage of the pressure gas through the said channel, but artificially increasing the resistance to its passage, shut-off members, and devices, which in the case of fault, are capable of actuating the said shut-off members at both ends of the defective section, as a result of the abnormal difference of pressure aris-



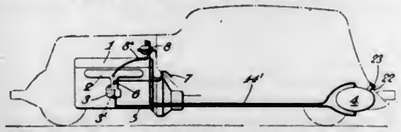
ing at the artificially increased resistance to flow, for the purposes set forth.

2,079,857
APPARATUS FOR WELDING
James H. Holan, Jr., Lakewood, Ohio
Application February 17, 1936, Serial No. 64,284
1 Claim. (Cl. 219—4)



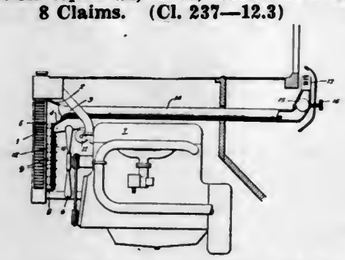
A portable electrical welding apparatus comprising in combination a transformer, two flexible current carrying cables extending from the transformer, a rigid hollow electrode attached to the end of each cable, each cable having a fluid conducting passageway communicating with the hollow portion of one of the electrodes, and each electrode comprising a handle of such size that it may be grasped by an operator and thrust endwise against the work for imparting pressure thereagainst during the welding operation, each electrode being movable with relation to the work and independently of the other electrode, and each having a work contacting area that is different in size from the other, and a source of current supply for the transformer.

2,079,858
FUEL FEEDING SYSTEM FOR MOTOR VEHICLES
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application February 2, 1933, Serial No. 654,948
9 Claims. (Cl. 158—36.4)



1. The combination with a motor vehicle power plant of the internal combustion type having an intake manifold, throttle means therefor, fuel feeding means including a pump casing having a chamber, a piston in the chamber dividing the latter into a pump chamber and a motor chamber, means for urging movement of the piston to ensmall the pump chamber, a constantly open passage connecting the motor chamber to the intake manifold at the engine side of said throttle means, said passage constituting the sole passage by which fluid may enter or leave the motor chamber and being unobstructed for the ebb and flow of fluid between the motor chamber and the manifold to effect equalization of the pressure in the motor chamber with that of the intake manifold as the pressure influence of the latter varies with the operation of said throttle means, said means for urging movement of the piston being counteractable by a predetermined low pressure in the motor chamber, as when the throttle means is closed, sufficient to move the piston to enlarge the pump chamber.

2,079,859
AUTOMOBILE HEATER
Henry Hueber, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application April 24, 1930, Serial No. 446,927
8 Claims. (Cl. 237—12.3)

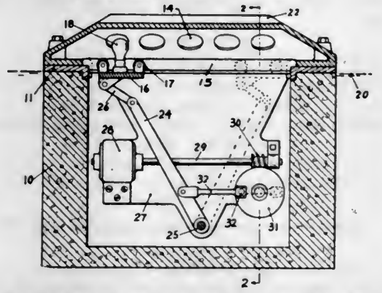


1. In a combined engine cooling and car heating system comprising, in combination with the radiator and internal combustion engine of the vehicle power plant, a collector disposed immediately adjacent the rear surface of the radiator at the upper portion thereof, a warm air distributor arranged within the automobile, a delivery conduit leading from the collector to the distributor, a control valve for controlling the flow of air to the distributor, a shutter arranged between the engine and the radiator and beneath the collector, said shutter being spaced from the radiator and when closed constituting a wall depending from the collector, and means for opening and closing the shutter, the shutter when closed defining with the radiator a vertical channel opening into the collector and when opened admitting air to the engine for cooling the same.

2,079,860
CARROTING FUR
Hans O. Kauffmann, Buffalo, N. Y., assignor to Buffalo Electro-Chemical Company, Inc.
No Drawing. Application November 23, 1934, Serial No. 754,541
10 Claims. (Cl. 8—21)

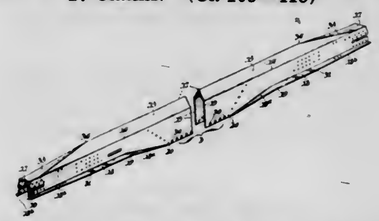
6. A carroting solution comprising an aqueous solution of a carroting metal salt, a reducing agent containing an amino group and nitric acid.

2,079,861
WIGWAG SIGNAL MEANS
John D. Keith, Gettysburg, Pa., assignor to Seco Manufacturing Company, a corporation of Pennsylvania
Application June 10, 1935, Serial No. 25,781
9 Claims. (Cl. 177—329)



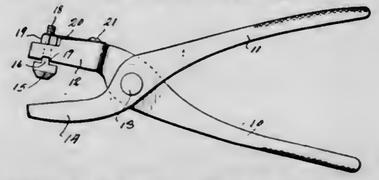
1. A wigwag signal comprising a planular wall having a row of lenses disposed therethrough in abreast alignment to constitute a rectilinear lens course, guideway means carried by said wall and extending in substantial parallelism with said lens course, a reciprocative carriage running in said guideway means, a lamp bulb conveyed by said carriage into successive registration with the lenses of such course, and actuated rocker arm means of which the fulcrum is fixedly mounted by said wall and the free end of which arm is operatively connected to said carriage.

2,079,862
CENTER SILL
William F. Kiesel, Jr., Hollidaysburg, Pa.
Application July 16, 1935, Serial No. 31,576
17 Claims. (Cl. 105—418)



1. A center sill comprising counterpart continuous components shaped to define substantially paralleling webs with an intervening ridge and an opposed continuous opening, and said components also embodying lateral flanges extending inwardly from the ends to a predetermined extent and therefrom merging into the paralleling webs.

2,079,863
COMBINED PLIERS AND SCREW DRIVER
Andrew G. Koon, Redlands, Calif.
Application July 16, 1935, Serial No. 31,667
1 Claim. (Cl. 81—5.1)

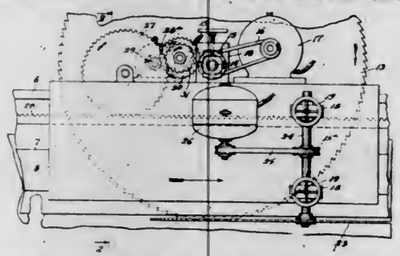


A device as set forth, comprising a pair of jaws, a pair of pivoted handles secured to the jaws, a flat screw driver blade between the jaws, a reduced round stem secured to the blade, one of said jaws having an opening transversely therethrough in which said stem is slidably and rotatably mounted, said stem having a threaded outer end portion, a nut threaded on to the stem for limiting the inward movement of the blade, a spring having a stem receiving slot engaging the nut to constantly urge the blade inwardly, said one jaw having a recess in the inner face thereof to receive an end of the blade for holding the blade against rotation and said spring normally urging said blade out of said recess and said one jaw having a recess on the face opposite from said first face in which said nut engages, said latter recess being of a depth substantially equal to the thickness of the nut whereby said spring will hold the nut in said latter recess when the blade is in released position.

2,079,864
STONE QUARRYING MACHINE
Charles B. Lansing, Gates Mills, Ohio
Application August 10, 1936, Serial No. 95,248
8 Claims. (Cl. 125—14)

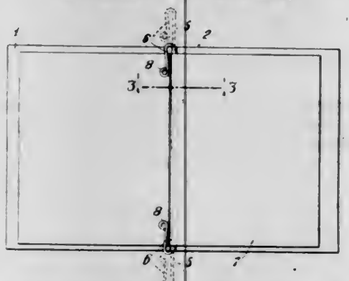
4. In a stone quarrying machine, in combination, a bed plate comprising a horizontal member

and a vertical member connected thereto, a track member on the horizontal member of the bed plate, a track member on the vertical member of



the bed plate, a carriage slidably mounted on said track members of the bed plate, and vertical and horizontal cutting members carried by the carriage and adapted to be fed to work thereby.

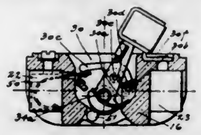
2,079,865
LOOSE LEAF BINDER
Frank Madle, Berwyn, Ill., assignor to Cruver Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 3, 1936, Serial No. 62,010
3 Claims. (Cl. 129—40)



3. A loose leaf binder comprising a pair of cover leaves equipped along meeting edges thereof with staggered tubular hinge formations aligned with each other to provide a continuous tube, a pair of opposed hinge pins engaged in opposite end portions of said tube and each of a length greater than one of said hinge formations for cooperation with the latter to provide hinge connections for said cover leaves, and resilient hook formations at the outer ends of said respective hinge-pins arranged for cooperation with the body portions of the latter to engage yieldingly the wall portions of certain hinge formations and adapted to receive and engage edge portions of a loose-leaf insert between said covers for clamping the latter against said tube.

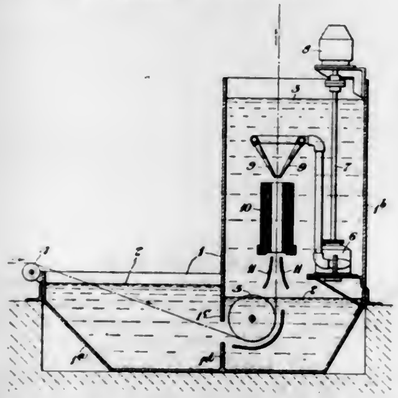
2,079,866
AUTOMATIC INTERCHANGEABLE CIRCUIT INTERRUPTER OR CIRCUIT BREAKER
Walter S. Mayer, Philadelphia, Pa.
Application September 24, 1934, Serial No. 745,232
9 Claims. (Cl. 200—116)

7. In a circuit breaker, a housing enclosing said circuit breaker, a movable contact member and a stationary contact member within said housing, a thermal element, a roller mounted upon the movable contact member, a trigger pivotally mounted within the chamber of said movable contact member, said trigger including a latch whereby the roller will interfit with said latch when the contact member is in closed circuit position, and said thermal strip being adapted to engage said pivotally mounted trigger to disengage said trigger from said roller upon the



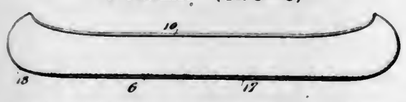
occurrence of predetermined circuit conditions, thereby releasing the contact member, and means on said movable contact member to close the circuit, said means being accessible only when the circuit breaker is removed from the circuit.

2,079,867
WIRE OR STRIP TINNING MACHINE
Charles W. Meyers, Shaker Heights, Cleveland, Ohio
Application September 27, 1934, Serial No. 745,826
3 Claims. (Cl. 91—12.2)



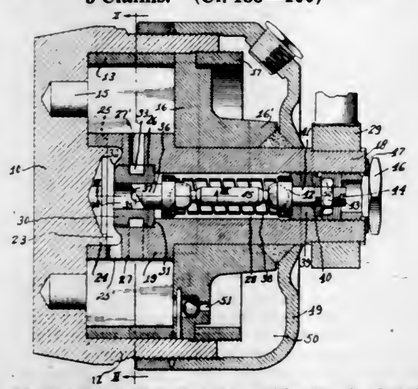
2. A wire or strip tinning machine including the combination of means for holding molten tin with palm oil floating thereon, means for guiding continuously moving wire or strip through said molten tin and upwardly through said palm oil, means for wiping said wire or strip with a flow of palm oil after it has left said molten tin and at such a height as to avoid material disturbance of the latter, and means for heating said wire or strip after it has left said molten tin and before it is wiped by the third named means.

2,079,868
BOAT AND METHOD OF MANUFACTURE
Allen J. Patch, Ripon, Wis.
Application April 26, 1932, Serial No. 607,617
5 Claims. (Cl. 9—6)



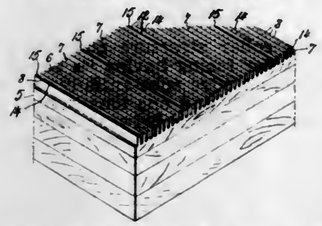
1. The method of forming the curved parts of a canoe body comprising a core of wood and outer and inner sheets of fiber which consists in bending the body material under heat and pressure and causing said fiber sheet material to flow at curved surfaces to take a permanent set.

2,079,869
THERMOSTATIC VALVE ASSEMBLY
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application September 21, 1935, Serial No. 41,550
5 Claims. (Cl. 188—100)



1. A thermostat valve assembly for hydraulic shock absorbers comprising a seat member having a bore and a port leading thereto, a valve in said bore for cooperating with said port, a head in axial alignment with said valve, a thermostat coil secured at its ends to said valve and head respectively, an anchorage member for said head on which said head is rotatable whereby it may be manually turned for rotational setting of said valve relative to said port, and means for causing axial shift of said anchorage member for manual longitudinal setting of said valve relative to said port, said thermostat coil responding to temperature change to rotatably adjust said valve automatically.

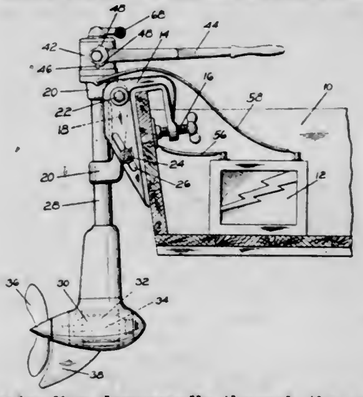
2,079,870
PRINT BLOCK
Thomas Pesci, Raritan, N. J.
Application May 28, 1936, Serial No. 82,196
5 Claims. (Cl. 101—401.1)



5. A print block for block printing machines, comprising a printing surface upon the block, said printing surface having parallel kerfs formed therein, parallel scratch lines upon said surface and intersecting the kerfs, contrasting material upon said scratch lines for making the latter visible, and certain of said scratch lines located at spaced intervals having a relatively greater amount of said material thereon than the intervening scratch lines.

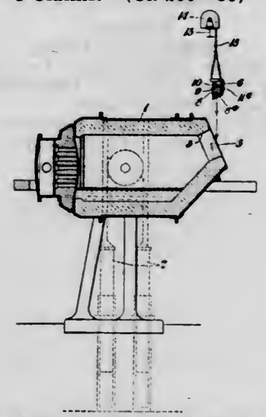
2,079,871
OUTBOARD MOTOR
Harold W. Price, South Bend, Ind.
Application July 3, 1935, Serial No. 29,631
7 Claims. (Cl. 115—18)

1. An outboard motor comprising a vertically-arranged casing having a support adapted to be detachably secured to a boat and arranged to be swiveled relatively to said support to steer the boat, an electric motor in a water-tight housing secured to the lower end of said casing and having its armature shaft extending rearwardly through the housing and having a propeller directly mounted thereon, a control device at the upper end of the casing having electrical connec-



tions extending downwardly through the casing to said motor, and electrical connections to said control device including slidably engaging parts carried respectively by the casing and said support in such a manner as to remain in electrical contact when the casing is swiveled on the support, and said casing and support being formed to provide an inclosed space housing said parts well above the water line.

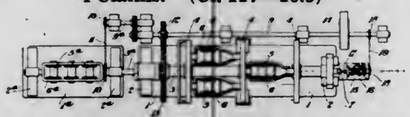
2,079,872
APPARATUS FOR THE CONVERSION OF METAL
Robert S. Quinn, Steubenville, Ohio
Application July 25, 1936, Serial No. 92,668
3 Claims. (Cl. 266—36)



1. The combination of a Bessemer converter vessel, a slag-skimmer for the mouth of said vessel, means for fastening said skimmer in skimming association with the mouth of said vessel and which fastens or unfastens upon vertical movement of said skimmer respecting said vessel when the latter is tilted, and raising and lowering means for suspending said skimmer, the last named means being adapted to bring said skimmer into said association with said mouth by ver-

tical movement so that the first named means can function, and including a horizontally swinging mount which functions to permit said skimmer to be swung out of the way when it is not in use.

2,079,873
WIRE ROPE MANUFACTURE
Malcolm W. Reed, Cleveland, Ohio
Application October 5, 1933, Serial No. 692,323
4 Claims. (Cl. 117—16.5)



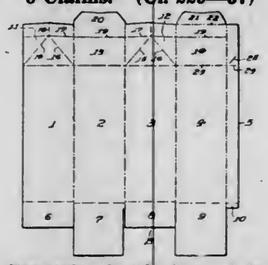
1. In a stranding machine, the combination of a revoluble frame, a die mounted by said frame with its center line offset from the latter's axis, a plurality of roller-sets mounted by said frame behind said die, means for intergearing said roller-sets and a stationary gear mounted adjacent said frame, said means for intergearing said roller-sets including a gearing element which engages said stationary gear.

2,079,874
ROPE STRUCTURE
Malcolm W. Reed, Shaker Heights, Ohio, and Eugene J. Reardon, Worcester, Mass.
Application September 4, 1936, Serial No. 99,466
7 Claims. (Cl. 96—25)



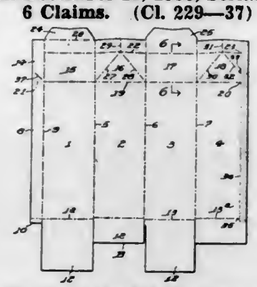
1. An elongated flexible body comprising a plurality of rope elements, each of said rope elements being composed of a plurality of strands, some of said strands being common to all of said elements and extending therebetween to bind said elements together, said common strands complementing the strand structure of each of said elements and constituting a substantial portion thereof.

2,079,875
PAPER CONTAINER
Henry J. Reiter, Philadelphia, Pa., assignor to Brown & Bailey Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 18, 1936, Serial No. 91,353
8 Claims. (Cl. 229—37)



1. In a disposable bottle formed from a single unitary blank comprising integral sides, a bottom and extensions carried by the sides adapted to be folded along predetermined lines to form a top closure, a glue lap integral with one of the sides and its extension secured to a second side and its extension and having a transverse knife score aligned with the juncture therebetween, and an angular cut extending in alignment with one angular line of fold in the second extension.

2,079,876
PAPER CONTAINER
Henry J. Reiter, Philadelphia, Pa., assignor to Brown & Bailey Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 11, 1936, Serial No. 115,295
6 Claims. (Cl. 229—37)



1. A bottle formed of foldable sheet material comprising a plurality of integral side panels each having a bottom flap on one of its ends and an extension on its opposite end respectively defined therefrom by transverse scores, the transverse scores defining one panel from its extension and bottom flap terminating short of one of its longitudinal edges, said extension having an angular score directed toward a point on said edge aligned with the score extended defining the extension from the panel but terminating short of said edge in alignment with the corresponding ends of said transverse scores, an adhesive film coating the entire length of said panel and extension between said edge and the adjacent ends of said scores, and a glue lap integral with another panel and its extension engaging said adhesive film throughout its length.

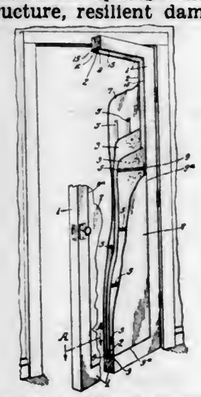
2,079,877
COAT COLLAR
Myer Rosenwasser, Kansas City, Mo.
Application December 6, 1935, Serial No. 53,199
5 Claims. (Cl. 2—98)



1. A coat collar structure comprising a top panel; an under facing having its two ends and one longitudinal edge substantially co-extensive with the two ends and one longitudinal edge of the top panel; a lining between said top panel and under facing; a stay between the said lining and said top panel and between the lining and under facing along the ends of the same; and a lock stitch along the two ends and the said one longitudinal edge of the said under facing, securing together the said top panel, lining, and under facing along the said longitudinal edge of the under facing, and securing together the said lining, under facing and stay along the ends of said under facing, said top panel having an inturned margin at the ends respectively separately stitched to the proximal stay, said inturned margins being between the stays and under side of the top panel.

2,079,878
SOUND INSULATING STRUCTURE
Paul E. Sabine, Geneva, Ill., assignor of one-half to Riverbank Laboratories, Geneva, Ill., a corporation of Illinois
Application May 8, 1935, Serial No. 20,330
9 Claims. (Cl. 20—35)

1. In a sound insulating structure, the combination of a circumferential supporting framework, an interior lighter framework secured thereto, one or more sheets of light, impervious, highly damped material attached and cemented at their edges to said interior framework so as to enclose lamellar air spaces within said sound insulating structure, resilient damping material



carried in grooves in said supporting framework, and outer facing panels having peripheral portions mounted in channels in said resilient material, said damping material being so shaped as to close completely the joint between the supporting framework and the outer panel, whereby to damp any motion of the facing panel relative to the supporting framework.

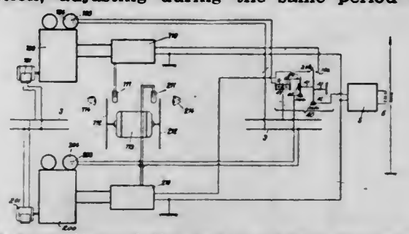
2,079,879
HAND BLOCKING TOOL FOR SUGAR BEETS
William Schluter, Brighton, Colo.
Application July 27, 1936, Serial No. 92,828
2 Claims. (Cl. 97—68)



1. A plant blocking tool comprising a relatively narrow straight blade, a resilient U-shaped yoke disposed over said blade with its ends spaced from each other a distance at variance with the length of the blade, a handle projecting from said yoke, said blade having L-shaped slots leading from its ends and having inner end portions extending transversely of the blade and enlarged to form seats, and depending upwardly tapered wedge-shaped lugs at ends of said yoke entering said slots and engaged in the seats at the inner ends thereof, resilience of said yoke maintaining said lugs in the slots.

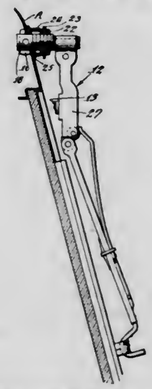
2,079,880
TELEVISION TRANSMISSION METHOD
Georg Schubert, Berlin, Germany, assignor to firm Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany
Application June 27, 1933, Serial No. 677,932
In Germany June 30, 1932
6 Claims. (Cl. 178—69.5)

1. In a television method, employing a motion picture film, the steps of successively subjecting a plurality of motion picture films to a scanning operation while the films are in motion, starting each succeeding film while the preceding film is still in motion so that both films then move simultaneously, transmitting the images on the films by electrical currents representative of said scanning, synchronizing the movement of the two films during this period of simultaneous motion, adjusting during the same period the



phase position of the image of the succeeding film to be in the same phase as the image of the preceding film, and discontinuing transmission of the preceding film and simultaneously taking up transmission of the succeeding film as soon as synchronism and phase equalization has been established.

2,079,881
WINDSHIELD CLEANER FASTENING DEVICE
Theodore J. Smulski, Gary, Ind., assignor to The Anderson Company, Gary, Ind., a corporation of Indiana
Application May 16, 1934, Serial No. 725,833
1 Claim. (Cl. 85—3)

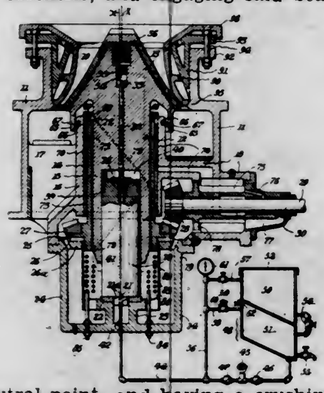


A bearing for auxiliary windshield cleaner arms, comprising a stud for engaging a bore through a vehicle body, pivotal means on said stud for limiting the longitudinal movement thereof in one direction, and a compensating collar on said stud for limiting the longitudinal movement of said stud in the other direction, said pivotal means presenting an inclined surface co-operating with an inclined bearing face of said compensating collar to clampingly engage therebetween the material of the vehicle body adjacent the bore for holding said stud in a position angular with respect to the surface to which it is attached.

2,079,882
CRUSHER AND PRESSURE-EXERTING MACHINERY
Samuel William Traylor, Jr., Allentown, Pa., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa., a corporation of Delaware
Application September 30, 1931, Serial No. 566,051
21 Claims. (Cl. 83—10)

1. A gyratory crusher comprising a frame with

a crushing shell, a hub, and a subjacent bearing; a rotary eccentric in said hub with the axes of its external and internal surfaces intersecting in a neutral point of no-throw at said bearing; a substantially inflexible gyratory member engaged in said eccentric, and engaging said bearing at



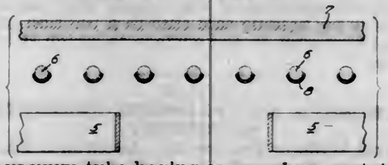
said neutral point, and having a crushing head in said shell above said eccentric and hub; and annular sealing means coacting with said hub and said gyratory member to exclude dust from said eccentric while permitting gyration and vertical adjustment of the head.

2,079,883
WEEDLESS GUARD FOR FISH LURES, ETC.
Otakar Valasek, Chicago, Ill.
Application March 9, 1934, Serial No. 714,783
9 Claims. (Cl. 43—39)



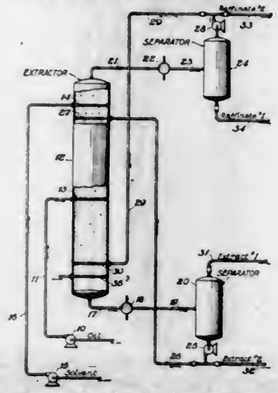
1. A device of the kind described comprising a fish lure provided with a slot extending substantially longitudinally with respect to said lure, and a weed guard pivoted to said lure, said weed guard having a portion extending through and movable in said slot, a second portion to which a fish line may be secured, and a third portion extending between the first two mentioned portions and disposed in front of said lure when said lure is drawn through water by said fish line.

2,079,884
PROTECTED GRID
Russell H. Varian, San Francisco, Calif., assignor to Farnsworth Television Incorporated, a corporation of California
Application March 13, 1935, Serial No. 10,886
1 Claim. (Cl. 250—27.5)



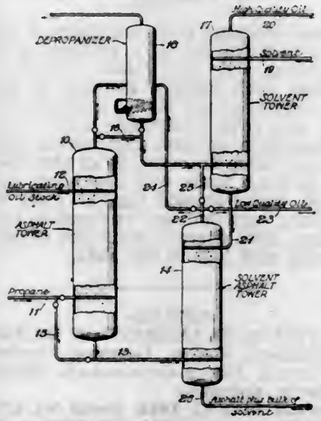
A vacuum tube having an envelope containing a cathode, anode, and interposed grid, a layer of finely divided adherent willemite covering substantially all of the grid surface facing said cathode, the surface facing said anode being uncovered.

2,079,885
PROCESS FOR PREPARING LUBRICATING OILS
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 14, 1934, Serial No. 757,439
11 Claims. (Cl. 196—13)



1. The method of refining a hydrocarbon oil containing a plurality of components of varying degrees of paraffinicity and naphthenicity which comprises countercurrently extracting said oil with a selective solvent to give a raffinate and an extract, separating the raffinate into highly paraffinic and less paraffinic fractions, and returning the highly paraffinic fraction to the countercurrent extraction system for recovering less paraffinic materials which would otherwise be lost in the extract.

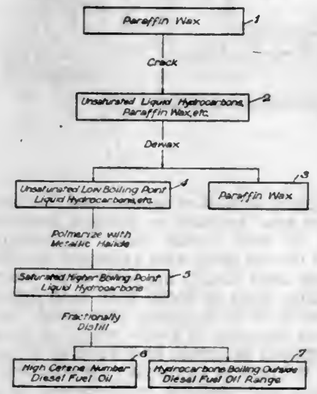
2,079,886
OIL REFINING PROCESS
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 29, 1934, Serial No. 759,723
2 Claims. (Cl. 196—13)



1. The method of refining a mineral oil containing paraffinic components, naphthenic components and asphalt which comprises treating said oil with a liquefied normally gaseous hydrocarbon selected from the group consisting of ethane, propane and butane under conditions adapted to cause separation of asphalt, extracting the

liquefied-hydrocarbon-soluble fraction with a selective solvent, and countercurrently treating the asphalt from the first step with extract material from the second step in the presence of a liquefied normally gaseous hydrocarbon selected from the group consisting of ethane, propane and butane to recover paraffinic components which would otherwise be discarded with asphalt and extract.

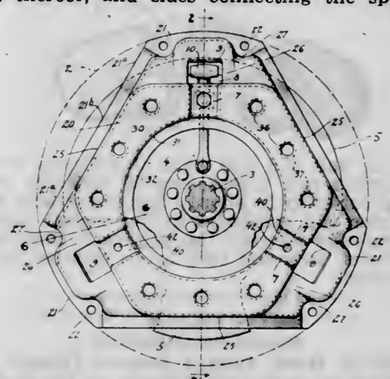
2,079,887
PRODUCTION OF HIGH CETENE NUMBER DIESEL FUEL OIL
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 1, 1935, Serial No. 47,812
4 Claims. (Cl. 196—78)



1. The process of producing an improved Diesel fuel oil of high cetene number which comprises subjecting a hydrocarbon wax to cracking conditions whereby the saturated paraffin hydrocarbons of said wax are partially converted into unsaturated hydrocarbons and are partially unconverted, treating the conversion products of the cracking reaction with a metallic halide polymerizing catalyst to convert said unsaturated hydrocarbons into saturated hydrocarbons, fractionally distilling the saturated hydrocarbons thus produced to remove therefrom a fraction having the desired volatility characteristics of fuel oils for high speed Diesel engines, said fraction being exemplified by a product having a 10% distillation point of about 440° F., a 90% distillation point of about 620° F. and an end distillation point of about 720° F., and, at some stage in the foregoing process subsequent to the cracking step, chilling to precipitate unchanged paraffin wax and removing said unchanged paraffin wax, to produce a Diesel fuel having a pour point below about 10° F.

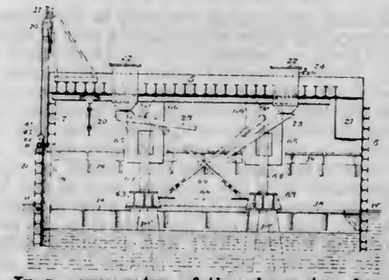
2,079,888
CLUTCH COVER PLATE
Ernest E. Wemp, Detroit, Mich.
Application August 13, 1934, Serial No. 739,517
14 Claims. (Cl. 192—112)

1. For use with a clutch having a driving member, a second driving member, a driven member between the driving members, spring packing means acting upon the second driving member to pack the driving and driven members together, and means for releasing the clutch against the action of the spring means: a clutch cover plate comprising, a sheet metal body member fashioned to provide depth and having frontal portions for attachment to the first driving member and a rear portion against which the spring means reacts, the plate having a substantially polygonal shape such as to uniformly space the frontal portions, with the rear portion axially spaced from the frontal portions and having a wall disposed substantially in the plane of rotation thereof, and sides connecting the spaced



frontal portions and each positioned substantially on a chordal line of a circle described by said frontal portions, said sides each comprising a wall extending forwardly from the rear portion, the forward edge portions of said walls having parts extending angularly from said frontal portions toward the rear portion whereby to bridge, on chordal lines, some of the clutch members.

2,079,889
APPARATUS FOR MARINE CONSTRUCTION
Ernest M. Wichert, Wilkinsburg, Pa., assignor to The Wichert Continuous Bridge Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 27, 1934, Serial No. 750,375
11 Claims. (Cl. 61—82)

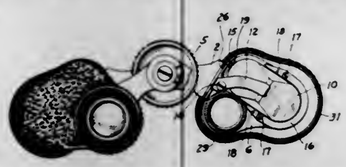


1. In an apparatus of the character described and having a chamber with an opening in a wall thereof, a sliding door having a transverse sealing ledge, and a cross member having a sealing face adapted to cooperate with the ledge, the cross member being movable with the door but adapted to be held in fixed position for effecting sealing engagement with the door when it is in closed position.

2,079,890
PRISM BINOCULAR
Andrew Wollensak and Gustav F. Pirwitz, Rochester, N. Y., assignors to Wollensak Optical Company, Rochester, N. Y., a corporation of New York
Application January 16, 1936, Serial No. 59,431
2 Claims. (Cl. 88—33)

2. In a prism binocular, the combination with

a body including an integral central portion having guideways along two sides and one end thereof, integral hinge portions at the ends, an oppositely extending integral prism support intermediate said ends, prisms secured on opposite sides of the prism support, and a housing having



an end wall and side walls of sufficient length to enclose said prisms, one of said side walls being cut-away to afford edges engageable with the aforesaid guideways in the central portion of the body whereby the housing is removably associated with said body by an endwise sliding movement.

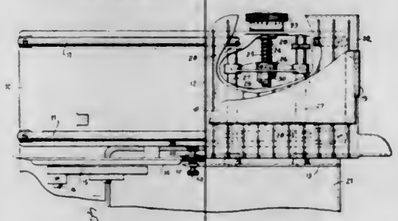
2,079,891

KNIFE SHARPENER

George R. Wood, Toronto, Ontario, Canada, assignor, by mesne assignments, to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio

Application June 6, 1934, Serial No. 729,254

8 Claims. (Cl. 146—102)



1. A knife sharpening assembly to be mounted on a supporting plate, comprising a pair of sharpening wheels, a common hub to which they are rigidly fixed in axially spaced relationship, a hollow shaft passing through the hub for journaling the latter for rotation and provided with a flange to engage one end of the hub, the hollow shaft being internally threaded at one end to receive a flanged screw, the flange of which is engageable with the opposite end of the hub, both flanges coacting to limit the axial movement of the hub, and a screw threaded into the other end of the hollow shaft and provided with a shoulder coacting with the flange on the shaft to clamp the sides of said supporting plate between them.

2,079,892

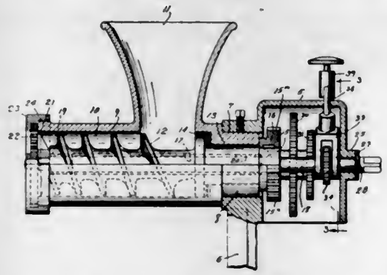
MEAT CHOPPING MACHINE

Jean R. Yotta, Los Angeles, Calif.

Application May 23, 1936, Serial No. 81,343

4 Claims. (Cl. 146—182)

1. A food chopper comprising a stationary support including a gear housing, a stationary casing provided with a food hopper in communication with the interior thereof removably mounted at one end in said support, a feed worm rotatably mounted within said stationary casing to extend lengthwise thereof having one end projecting into the gear housing and its other end terminating at a distance from the other end of the stationary casing, a cutter shaft rotatably mounted within said worm, centrally thereof and concentric therewith, one of the ends of said shaft extending across said gear housing and having its end rotatably mounted in the side wall thereof, a cutting knife removably mounted upon the other end of said shaft in front of said worm, an extrusion cutter in front of said knife, a drive shaft mounted in said gear housing parallel with said cutter shaft but spaced therefrom, a pair of gears connecting said drive shaft and said worm whereby rotation of said drive shaft will rotate said worm, a plurality of spur gears rigidly mounted on said drive shaft in spaced relation, a driven



gear slidably mounted upon said cutter shaft within the gear housing, a shifting lever slidably mounted on said cutter shaft in juxtaposition with said driven gear and arranged to slide said gear along said shaft, an idler gear carried by said shifting lever in mesh with said driven gear and adapted to be brought into mesh with any one of said plurality of gears, whereby said cutter shaft is caused to rotate in a reverse direction to said feed worm and at varying speeds, and means for locking said shifting lever in any of its adjusted positions.

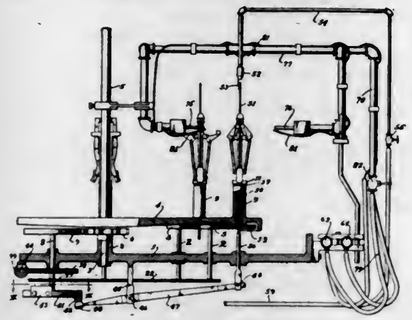
2,079,893

METHOD OF MAKING LAMPS AND TUBES

George W. Bain and William Stanley Brian, Owensboro, Ky., assignors, by mesne assignments, to Ken-Rad Tube & Lamp Corporation, Owensboro, Ky., a corporation of Delaware

Application April 1, 1935, Serial No. 14,014

7 Claims. (Cl. 250—27.5)



5. The method of manufacturing double ended tubes which comprises the steps of assembling a mount including a press at each end, attaching an exhaust pipe to one of the presses, inserting the mount in a glass bulb, supporting the bulb by means positioned between its ends, and heating and simultaneously die pressing the ends of the bulb into sealing contact with said presses to seal the bulb.

2,079,894

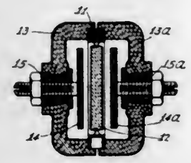
PIEZOELECTRIC CRYSTAL HOLDER

Rudolf Bechmann and Wilhelm Schneider, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application August 4, 1934, Serial No. 738,454

In Germany August 29, 1933

6 Claims. (Cl. 171—327)



1. A piezo-electric crystal holder comprising an insulating enclosing chamber formed in two parts and joined together at substantially the center, two metallic threaded bushings secured to the ends of said enclosing chamber, a piezo-electric crystal secured within said chamber, adjustable electrodes located each side of said crystal, said adjustable electrodes having a threaded stud cooperating with said threaded bushings to change the spacing between the crystal and said electrodes.

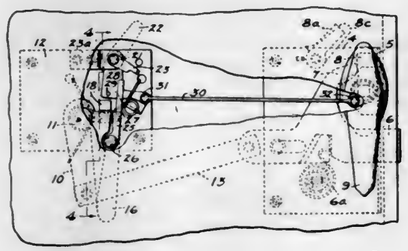
2,079,895

SUPPLEMENTAL CATCH MECHANISM FOR LOCKS

Irene G. Brooks, Cleveland, Ohio

Application February 10, 1933, Serial No. 656,107

18 Claims. (Cl. 292—164)



1. In a locking device, the combination with a vehicle door latch having outside and inside operating mechanism, of means operated independently of an inside handle that forms a part of said inside operating mechanism and accessible only from the inside for locking the inside operating mechanism against operation from the inside and said inside handle being free to operate consecutively to open a door when said independent locking means is not in engaged position, and means actuated by the outside latch operating mechanism for releasing said locking means.

2,079,896

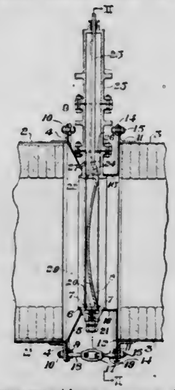
VALVE

Edgar E. Brosius, Pittsburgh, Pa.

Application August 5, 1930, Serial No. 473,134

15 Claims. (Cl. 251—51)

1. A valve structure comprising a valve housing, a valve within and peripherally enclosed by said housing, flexible supporting means for said housing, and means carried by said flexible supporting means and removable bodily therewith



for flexing said supporting means to permit bodily removal of the housing and supporting means.

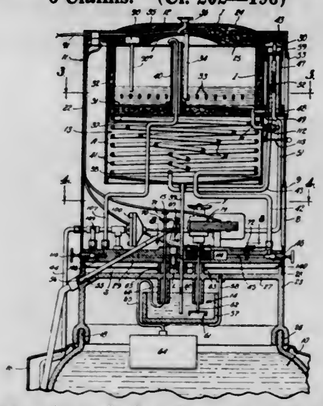
2,079,897

APPARATUS FOR DISTILLING WATER

Robert E. Brown, Los Angeles, Calif., assignor of one-half to Jacob B. Parker, Pasadena, Calif.

Application October 12, 1934, Serial No. 748,058

6 Claims. (Cl. 202—196)



2. Apparatus of the character described including a boiler, heating means in the boiler, a condenser for condensing the vapor from the boiler, means for aerating the distilled water from the condenser, a valve for governing the feed of water to the boiler, a receptacle for receiving the distilled water from the aerating means, a float control for actuating the aerating means when the water in the receptacle falls below a given level, and means actuated by the aerating means for energizing the heating means and controlling the valve.

2,079,898

DISPENSING AND MEASURING APPARATUS

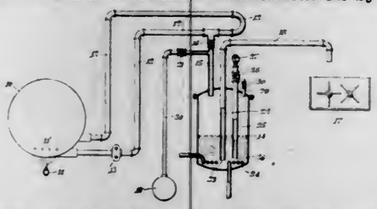
William Burchenal, Glendale, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio

Application April 10, 1934, Serial No. 719,845

6 Claims. (Cl. 221—100)

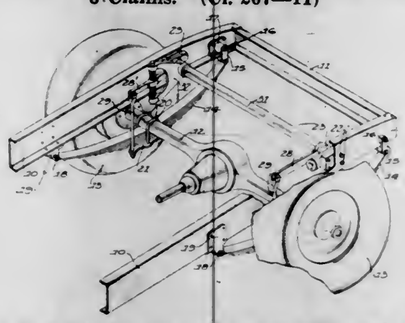
1. Apparatus for dispensing and measuring melted bituminous material which comprises a reservoir adapted to maintain bituminous ma-

terial in a melted condition, a continuous line for taking off melted bituminous material from said reservoir and returning same to said reservoir, means for circulating melted bituminous material through said line, a tank, by-pass means for introducing melted bituminous material from said line into said tank, valve means adapted to establish and disestablish communication by said



by-pass means between said continuous line and said tank, means for dispensing responsive to air under pressure from said tank the portion of melted bituminous material above a predetermined level in said tank, and means for indicating the quantity of melted bituminous material introduced into said tank above said predetermined level from said reservoir.

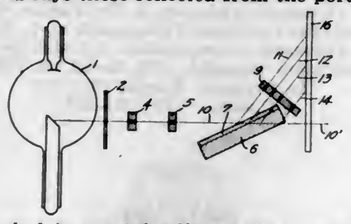
2,079,899
MOTOR VEHICLE
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 26, 1934, Serial No. 754,728
8 Claims. (Cl. 267—11)



1. In a vehicle, the combination with load supporting means and two opposite road wheels suspended from the load supporting means, of stabilizer mechanism comprising a shock absorber means between each wheel and the frame, and connecting means between the shock absorber means and the frame, said connecting means maintaining said shock absorber means in a substantially similar relation during the application of force below a predetermined magnitude tending to change the vertical relation of the wheels and the load supporting means and restricting the relative movement of said shock absorber means while the application of such force is above said predetermined magnitude.

2,079,900
METHOD OF TESTING MATERIALS
Willi M. Cohn, Berkeley, Calif.
Application November 1, 1933, Serial No. 696,218
3 Claims. (Cl. 250—34)

1. The method of predetermining the resistance to corrosion of an underlying metal having a protective coating which comprises the steps of directing a pencil of X-rays obliquely against said metal through said coating, segregating from the reflected rays those reflected from the portion of



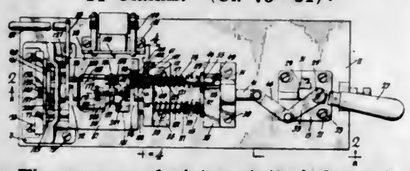
the underlying metal adjacent the coated surface, and obtaining a diffraction pattern from the segregated rays.

2,079,901
METALLURGICAL ADDITION AGENT AND PROCESS
Arthur C. Davidson, Canton, Conn., assignor of one-third to Burtner Fleeger, Tulsa, Okla.
No Drawing. Application July 5, 1934, Serial No. 733,859
5 Claims. (Cl. 75—93)

4. An addition agent for treating molten metal comprising

		Percent
Lime	10	to 50
Silicon	35	to 75
Aluminum	.50	to 25.00
Carbon	.50	to 10.00
Sodium bichromate	.00001	to 10.00
Ammonia	.00001	to 10.00
Iron	maximum	5.00

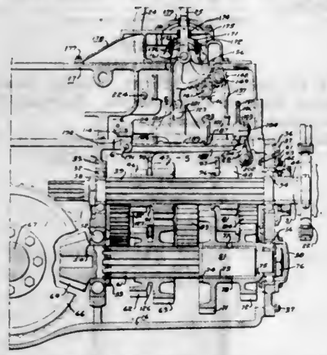
2,079,902
SPEED CUP BALANCING MACHINE
Reinhold De Witt, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 1, 1935, Serial No. 47,754
14 Claims. (Cl. 73—51).



1. The process of giving static balance to an unbalanced element consisting in mounting said element for free rotation to localize its unbalanced weight in its vertical axis, removing material from one side of said axis, permitting the element to swing to a new position of rest and removing material to balance the element, the region of removal being determined by the mass of material first removed and the extent of rotation resulting from such first removal.

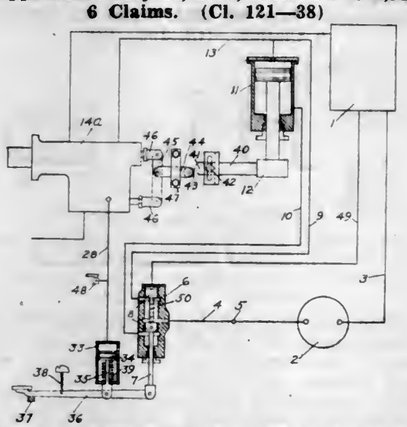
2,079,903
TRANSMISSION
Harmon S. Eberhard, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application January 17, 1934, Serial No. 706,921
25 Claims. (Cl. 74—342)

1. In a transmission, driving and driven transmission shafts; a third shaft; a plurality of gears spaced in fixed relation on said third shaft; a plurality of sets of gears slidably and non-rotatably mounted on one of said first-named shafts, said sets of gears being shiftable selectively to engage associated gears on said third shaft; and a plurality of sets of gears mounted on the other of said first-named shafts, one of said last-named sets being rotatably and non-shiftably mounted, and another of said last-



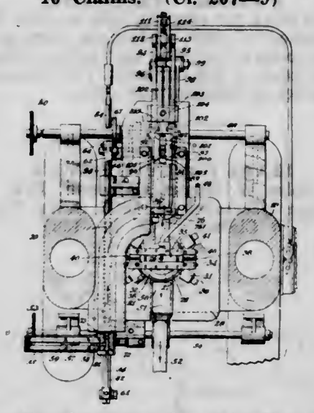
named sets being shiftably and non-rotatably mounted; said one of said last-named sets including a gear constantly meshed with one of said third shaft gears; and a second gear positioned for engagement by one of said first-named sets of gears; said another of said last-named sets being shiftable selectively to engage associated gears on said third shaft.

2,079,904
AUTOMATIC MINIMUM PRESSURE CONTROL FOR OPERATING MACHINERY
Walter Ernst, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application July 11, 1932, Serial No. 621,945
6 Claims. (Cl. 121—38)



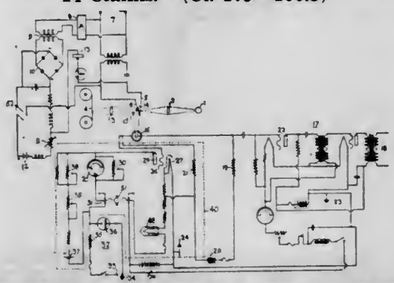
1. An operating unit for regulating the supply of pressure fluid to a hydraulically operated device associated with a hydraulic machine, said operating unit comprising a hydraulic piston, a valve member for valving the pressure fluid used in operating said device, a connecting member mechanically joining said piston and said valve member, and a valve-actuating member mounted upon said connecting member and adapted by its engagement with a moving part of said machine to shift said valve member, said connecting member serving as a floating fulcrum for said valve-actuating member, said valve-actuating member being arranged to be automatically drawn by said hydraulic piston into a position where it is unengageable by said moving part when said piston is acted upon by a predetermined pressure in said press.

2,079,905
EXTRUSION APPARATUS
John H. Fridén, East Orange, N. J., assignor to The Sun Tube Corporation, Hillside, N. J., a corporation of New Jersey
Application April 22, 1933, Serial No. 667,372
16 Claims. (Cl. 207—9)



1. An extrusion press for extruding substantially flat disc-like slugs into hollow articles comprising guides arranged to form a passage for said slugs, means for delivering the slugs to said passage, reciprocating means for advancing the slugs through said passage, an oven surrounding a portion of said passage, a die for receiving the slugs upon discharge from said passage, means for transferring a slug to said die upon each cycle of the press and depositing said slug in said die by gravity, and a punch cooperating with the slugs in the die to extrude hollow articles.

2,079,906
LIGHT VALVE REGULATION
Lloyd T. Goldsmith, Hollywood, Calif., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application August 15, 1933, Serial No. 685,241
14 Claims. (Cl. 179—100.3)



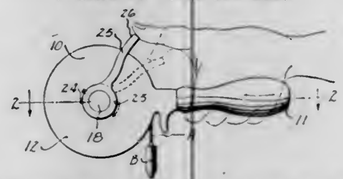
1. In sound recording wherein a light valve is employed for modulating a beam of light in accordance with sound waves, the method of visu-

ally indicating the opening of said valve caused by biasing currents, which method comprises translating a portion of said beam of light into an electrical impulse, and translating said impulse into a direct visual indication of the extent of the opening of said valve in units of length caused by said biasing currents.

2,079,907
NEEDLE WIRE
Leslie D. Hawkridge, Newton Center, Mass., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 11, 1935, Serial No. 20,990
8 Claims. (Cl. 29—180)

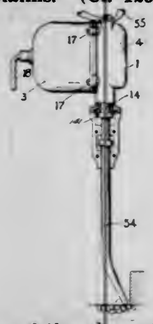
1. Wire stock for swaging into needles, the wire being formed of steel containing from about 0.6 to 1.3 per cent of carbon, and sulfur from about 0.025 per cent to 0.5 per cent, the remainder of the steel being substantially iron.

2,079,908
LEVEL GAUGING DEVICE
John W. House, Cameron, Tex.
Application December 26, 1935, Serial No. 56,175
7 Claims. (Cl. 33—138)



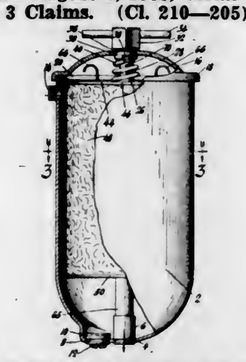
1. In combination in a level gauging device, a support having a handle, a reel journaled on the support for carrying a measuring tape line and movable into braking engagement with the support, resilient means for yieldably pressing said reel in its engagement with the support, and means for positively moving said reel out of braking engagement with said support.

2,079,909
VIBRATING MOTOR
Corwill Jackson, Ludington, Mich.
Original application September 26, 1934, Serial No. 745,563. Divided and this application February 9, 1935, Serial No. 5,741
3 Claims. (Cl. 125—33)



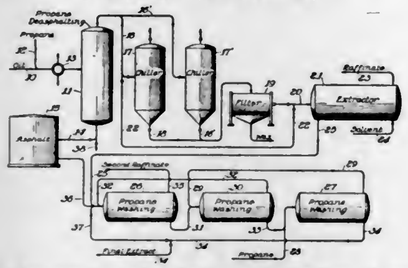
1. In a device of the character set forth, the combination with a casing, and a central shaft fixed at its ends to the ends of said casing, of a laminated stator keyed to said shaft medially of its ends and having winding coils, a laminated rotor adapted to rotate between said casing and stator and having end conductor rings and longitudinal conductor bars, end members on said rotor having internal bearing recesses surrounding said shaft, and bearings disposed on the shaft within said recesses, one of said end members being conformed to provide a carrier around its bearing, and impact members mounted on said carrier.

2,079,910
OIL FILTER
Herbert G. Kamrath, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 5, 1935, Serial No. 34,757
3 Claims. (Cl. 210—205)



1. A cylindrical filtering element comprising a hard porous mass of mineral wool mixed with silicate of soda.

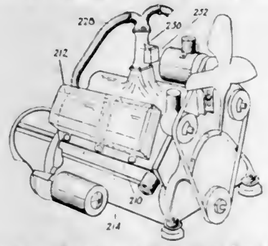
2,079,911
LUBRICATING OIL REFINING
Percy C. Keith, Jr., Peapack, and Henry, O. Forrest, Teaneck, N. J., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 28, 1934, Serial No. 732,918
9 Claims. (Cl. 196—13)



1. The method of refining a lubricating oil containing naphthenic, paraffinic and asphaltic components which comprises treating said oil with liquid propane under pressure to separate asphaltic components from a propane solution of paraffinic and naphthenic components, countercurrently extracting said solution with a naphthenic solvent to separate paraffinic components from naphthenic components, and separately washing the extract from the countercurrent extraction step with propane in the presence of asphaltic material precipitated in the first step of the process whereby a second grade paraffinic lubricating oil is produced.

7. The method of refining a lubricating oil containing naphthenic components, paraffinic components and asphalt which comprises treating said oil with liquid propane to separate asphalt from the mixture of naphthenic and paraffinic components, extracting said mixture of paraffinic and naphthenic components with a selective solvent for removing naphthenic components from paraffinic components, removing said solvent which contains naphthenic components together with a small amount of paraffinic components from the separated paraffinic components, adding asphalt to said solvent mixture to cause a further separation of paraffinic components from naphthenic components, removing said separated paraffinic components from the solvent-asphalt-naphthenic component mixture and recovering solvent from each of said paraffinic components and from the asphalt-naphthenic component mixture.

2,079,912
ENGINE
Victor W. Kliesrath, South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill., a corporation of New York
Application April 6, 1934, Serial No. 719,315
9 Claims. (Cl. 123—122)



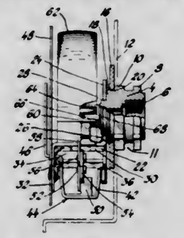
1. An engine having a cylinder head, a cleaner unit adapted to clean air passing therethrough from top to bottom and mounted on said cylinder head but spaced therefrom, a cover peripherally sealing against the cylinder head and having a cleaner compartment formed with air intake means and fitting over and peripherally sealing against said cleaner unit, whereby air entering through the air intake means is forced to pass through the cleaner unit and through the space between the cleaner unit and the cylinder head into the interior of said cover, and means for conveying cleaned air to the engine from the interior of said cover.

2,079,913
PRESSURE GAUGE
Charles W. McKinley, Elbridge F. Bacon, and Ragnar F. Clason, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 17, 1936, Serial No. 59,504
1 Claim. (Cl. 73—109)



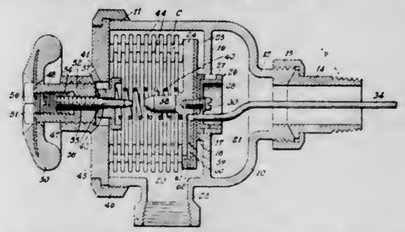
In a Bourdon tube gauge having a dial, a frame comprising a plate, a dial support, and two legs connecting the plate and dial support, a bent edge on the plate to reinforce the same, a finger integral with the frame and projecting from between the legs in a plane parallel to the support, a pointer turnably mounted between the finger and the support, a socket mounted in the plate, and a Bourdon tube mounted in the socket between the dial and plate.

2,079,914
BOURDON TUBE GAUGE
Charles W. McKinley, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 23, 1936, Serial No. 81,416
1 Claim. (Cl. 73—109)



In a Bourdon tube gauge having a pointer swinging mechanism adapted to move a pointer over a dial, a socket having stepped annular shoulders closely positioned one above the other, an extension on said socket projecting beyond said shoulders, a Bourdon tube mounted in said extension, a frame having its base secured to one of the shoulders on the socket, said pointer swinging mechanism mounted on said frame, a plate secured to the other of said shoulders immediately adjacent and below said frame, said plate being independent of said frame and being adapted to have the casing of the gauge attached thereto, said shoulders and base and plate being positioned between the Bourdon tube and the bottom of the casing.

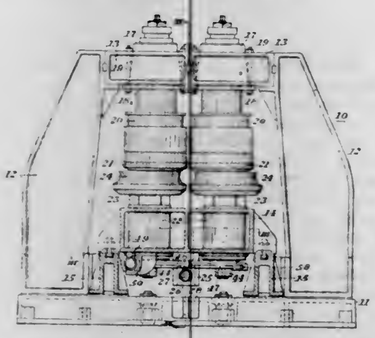
2,079,915
STEAM HEATING CONTROL APPARATUS
John T. Midyette, Jr., Scarsdale, N. Y.
Application August 15, 1936, Serial No. 96,193
13 Claims. (Cl. 137—153)



1. For use in association with a radiator of a two-pipe steam heating system, a control unit comprising a housing having an internal wall provided with a valve port and affording a valve seat and dividing such housing into high pressure and low pressure chambers, said chambers being adapted to communicate respectively with a source of steam supply and the steam inlet end of a radiator a pressure differential-actuated valve disposed within said high pressure chamber and including a valve member, a spring tending to maintain said valve member in seated position on said seat, collapsible means adapted to yield incident to movement of said valve member in a di-

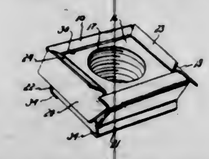
rection away from said seat and forming a collapsible chamber sealed against atmosphere and with relation to said high pressure chamber and adapted under all conditions to communicate with said low pressure chamber, and an orifice unit carried by and movable with said valve member and including a pair of ported and relatively adjustable orifice members disposed within said valve port and forming with each other a variable orifice the effective area of which may be predetermined to proportion according to radiator requirements the rate of steam flowing to the radiator from said high pressure chamber by way of said low pressure chamber incident to movement of said valve member away from said seat.

2,079,916
WELDING APPARATUS
George E. Mirfield, Youngstown, Ohio, assignor, by mesne assignments, to Direct Current Welding Company, a corporation of Delaware
Application February 26, 1934, Serial No. 712,917
13 Claims. (Cl. 219—6)



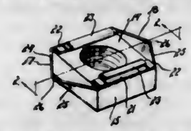
1. In an electric welder, the combination with welding electrodes and pressure rolls cooperating therewith for welding plate edges together, of means providing a movable mounting for said rolls, means for so moving said rolls as to cause advancing edges to pass the electrodes out of contact therewith, and means actuated by movement of the work for controlling the roll-moving means.

2,079,917
NUT SECURING DEVICE
Edward W. Mitchel, Detroit, Mich.
Application January 2, 1937, Serial No. 118,803
7 Claims. (Cl. 85—32)



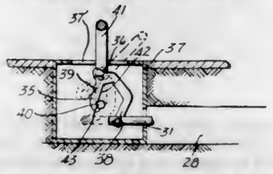
1. A device of the class described, comprising: a nut supporting cage having an opening formed therein; a nut mounted fixedly in said cage with its opening in registration with the opening in said cage; a pair of tongues mounted on said cage and projecting outwardly from the back thereof; and means on said cage projecting forwardly from the back thereof for effecting a further spreading apart of said tongues.

2,079,918
NUT SECURING DEVICE
Edward W. Mitchel, Detroit, Mich.
Application January 27, 1936, Serial No. 60,894
15 Claims. (Cl. 85—32)



1. A nut securing device of the class described, adapted for mounting on a supporting body having an opening formed therein, comprising: a body adapted for embracing a nut and having oppositely disposed side walls; a pair of spaced hooks on said body adapted for projecting through an opening formed in a supporting member and engaging the same; and a permanently distortable bulged portion on said body adapted upon being flattened for effecting a permanent spreading apart of said hooks and retaining the same in such position.

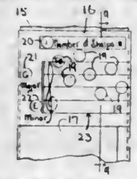
2,079,919
MEANS FOR AUTOMATICALLY OPERATING GARAGE DOORS AND THE LIKE
Osmyn Mowers and Paul Fred Piepenbrook, Dallas, Tex.
Application February 4, 1935, Serial No. 4,778
3 Claims. (Cl. 268—35)



1. A mechanism for opening and closing swinging doors including, means attached to the doors for swinging said doors, a single operating member attached to said means for actuating the same to swing the doors, and an actuator spaced from the doors for operating said member, said actuator comprising a pivotally mounted member, a counter weight on the bottom end of said member adapted to swing said member to a vertical position after actuation, a substantially U-shaped yoke pivotally mounted on the shaft and adapted to be actuated by said member, one end of said yoke being secured to the single operating member whereby the movement of the member carrying the counter weight will effect an actuation of the single operating member to open or close the doors, said actuator being normally disconnected from the member and arranged to engage said member when actuated, the arrangement of the swinging means, member and actuator being such that manual opening and closing of the doors is not interfered with.

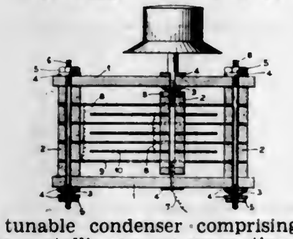
2,079,920
MUSIC SIGNATURE CHART
Thomas J. Orzada, Chicago, Ill.
Application October 15, 1934, Serial No. 748,294
1 Claim. (Cl. 84—473)

A device of the type described, comprising in combination two members formed of sheet material each having a single strip portion at one end and a tubular portion at the opposite end arranged for insertion of the single strip portion of each member into the tubular portion of the other member, each of the tubular portions having a staff thereon and having openings therethrough corresponding in position substantially to the positions of the indicating signs of a key signature, and each of said single strip portions having a series of signature indicating signs thereon in position to show through the open-



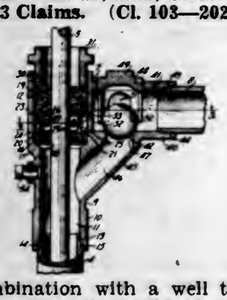
ings in the other and arranged so that when said two members are moved longitudinally with respect to each other the number of such indicating signs showing through said openings and the relative positions of said indicating signs so showing are varied to correspond to the several key signatures of the ordinary music notation.

2,079,921
VARIABLE CONDENSER
Mendel Osnos, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 18, 1932, Serial No. 629,333
In Germany December 17, 1931
5 Claims. (Cl. 175—41.5)



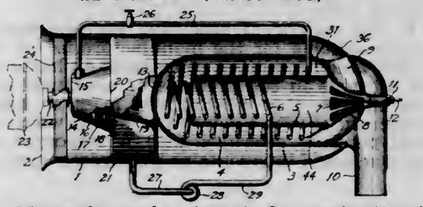
1. A tunable condenser comprising two sets of plates, metallic spacers separating the plates of one set, insulating spacers having a different coefficient of expansion from the first mentioned spacers, separating the plates of the second set, and means permitting normal expansion of said spacers of said second set.

2,079,922
DEVICE FOR CAPPING PUMP TUBING
Frank M. Owen, Oklahoma City, Okla., assignor of one-half to American Iron and Machine Works Company, Oklahoma City, Okla.
Application June 28, 1935, Serial No. 28,867
3 Claims. (Cl. 103—202)



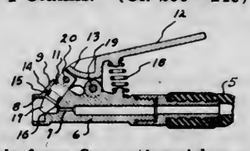
1. In combination with a well tubing and a pipe line, a capping device for the upper end of the well tubing including a body member having a flow passage and a packing chamber aligning with the flow passage, a packing in said chamber, a lateral extension on the body member having a flow passage communicating with the packing chamber to supply lubricant to said packing, said body member having a flow connection between the flow passage in said body member and the flow passage in the lateral extension, and means on the body member and said extension for respectively connecting the well tubing and pipe line.

2,079,923
THERMAL POWER PLANT
John Pavlecka, Detroit, Mich.
Application January 4, 1935, Serial No. 398
21 Claims. (Cl. 60—108)



1. Means for preheating air for combustion in elastic fluid power plants consisting of a number of thermal units by utilizing the heat by both convection and radiation from said units comprising, a shell having a receiving extremity for air and a discharge extremity for feeding said air into said power plant for combustion therein, said shell enclosing substantially the whole of said power plant between said extremities thereof.

2,079,924
FIRE EXTINGUISHER APPARATUS
Albert B. Phister, Fort Thomas, Ky., assignor to The Phister Mfg. Co., Cincinnati, Ohio, a corporation of Delaware
Application August 23, 1934, Serial No. 741,131
4 Claims. (Cl. 299—149)



1. A nozzle for a fire extinguisher comprising a casing having a restricted discharge passage therethrough, an enlarged opening in the discharge end of said nozzle, and a conical member having a seat portion in said nozzle and being movable transversely between said restricted discharge passage and said enlarged opening.

2,079,925
PROCESS OF TESTING THE TIGHTNESS OF PROTECTIVE COATINGS
Hans Reichert, Leverkusen-Wiesdorf, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 16, 1934, Serial No. 720,914. In Germany April 19, 1933
12 Claims. (Cl. 23—230)

1. A process of testing the tightness of protective coatings which comprises coating the protective coating with a solution of a chemical compound being able to yield a color with another chemical compound, removing the solution from

the surface of the protective coating after some time and coating the surface of the protective coating with a solution of a chemical compound yielding a color with the first chemical compound.

2,079,926

ARTIFICIAL RESIN AND METHOD OF PRODUCING SAME

Isreal Rosenblum, Jackson Heights, N. Y.

No Drawing. Application January 2, 1930 Serial No. 418,162. Renewed December 12, 1935

13 Claims. (Cl. 260—4)

1. The method which comprises condensing a phenol, an aldehyde, an organic salt of zinc, and a polyhydric alcohol which has been partially esterified with a fatty acid, in the presence of a natural resin.

6. The method of producing resinous compositions suitable for the manufacture of oil varnishes which comprises condensing a phenol and an aldehyde in the presence of a natural resin and then further heating the mass at higher temperatures with a polyhydric alcohol which has been partially esterified with a carboxylic organic acid and thus contains free hydroxyl groups.

2,079,927

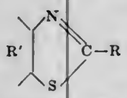
THIAZOLE COMPOUNDS

Gerhard Schrader, Opladen, near Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 6, 1932, Serial No. 646,031. In Germany December 11, 1931

3 Claims. (Cl. 260—44)

3. Thiazole compounds of the following formula:



wherein R stands for a radical of the alkyl or benzene series and



is a member of the group consisting of a phenylene nucleus bearing as substituents a hydroxy group and a carboxylic acid aryl amide group ortho thereto and a 1,2-naphthylene nucleus bearing as substituents in 6 and 7 positions a hydroxy group and a carboxylic acid aryl amide group, the aryl group in each case being an aryl group of the benzene and naphthalene series, being generally yellowish water-insoluble substances, soluble in organic solvents and being valuable intermediate products in the manufacture of dyestuffs.

2,079,928

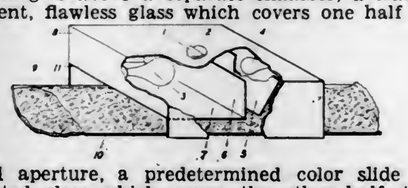
APPARATUS FOR THE MAINTAINING OF UNIFORMITY IN THE PRODUCTION OF MIXTURE OF TWO OR MORE INGREDIENTS

Harry Comer Wolf, Indianapolis, Ind., assignor to E. C. Shireman, Martinsville, Ind.

Application February 28, 1936, Serial No. 66,244

3 Claims. (Cl. 88—14)

1. In an apparatus for the control of uniformity of mixtures of two or more ingredients, a bottomless box adapted to be placed over a sample of the mixture, a central partition in said box dividing it into two chambers, a source of illumination in one of the chambers formed by said partition, a second source of illumination in the other chamber for illuminating the sample, said box having a circular aperture leading to said chambers in the center of its top above said partition so that each half of the opening is above a separate chamber, a transparent, flawless glass which covers one half of



said aperture, a predetermined color slide of frosted glass which covers the other half, the first light source being for the half provided with the color slide, and so housed that none of the direct light rays emanating from it shall impinge on the sample under observation, but are redirected to the transparent glass whereby the color characteristics of the sample mixture may be compared with the color slide.

2,079,929

CAR LOADING DEVICE

Samuel D. Butterworth, Detroit, Mich., assignor, by mesne assignments, of ninety-nine per cent to The Worth Company, a corporation of Michigan

Application September 25, 1931, Serial No. 565,004

31 Claims. (Cl. 105—368)

11. The method of loading a vehicle in a freight car which comprises moving the vehicle into the car and into a position longitudinally thereof, and then swinging the vehicle longitudinally of the car and into an elevated position by a combined rectilinear and rotary movement with the vehicle entirely spaced from the floor.

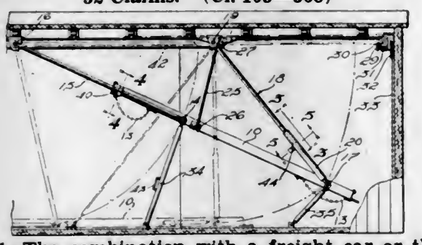
2,079,930

CAR LOADING DEVICE

Samuel D. Butterworth, Detroit, Mich., assignor, by mesne assignments, of ninety-nine per cent to The Worth Company, a corporation of Michigan

Application December 12, 1932, Serial No. 646,830

52 Claims. (Cl. 105—368)



1. The combination with a freight car or the like, of a frame for supporting an object, means for holding the object on the frame, and means for raising the frame from a substantially horizontal position on the floor of the car including means for automatically directing it into a position inclined to the vertical with the entire frame spaced from the floor.

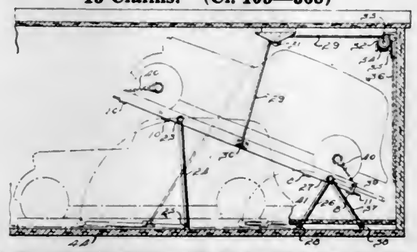
2,079,931

CAR LOADING DEVICE

Samuel D. Butterworth, Detroit, Mich., assignor, by mesne assignments, of ninety-nine per cent to The Worth Company, a corporation of Mich.

Application July 29, 1933, Serial No. 682,742

13 Claims. (Cl. 105—368)



9. In combination with a freight car having a floor therein, means for engaging and supporting a longitudinally extending automobile in the car, link means connecting said automobile engaging and supporting means to the freight car adjacent the floor thereof and so constructed and arranged that the entire automobile supported thereby is guided for movement in a fixed and longitudinally and upwardly extending path from a position adjacent and substantially parallel to the floor to an elevated decking position in which both ends of the automobile are raised above the floor, and means for effecting such movement of the supporting means and the automobile.

11. In combination with a freight car having a floor therein, a longitudinally extending frame for supporting a longitudinally extending automobile thereon, means connecting said frame to the car adjacent the floor thereof and so constructed and arranged that said entire frame is supported and guided for movement in a fixed and longitudinally and upwardly extending path from a position adjacent and substantially parallel to the floor to an elevated decking position in which both ends of the frame are raised above the floor, and means for raising said frame along said path.

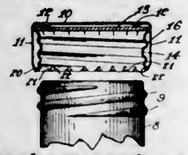
2,079,932

CLOSURE CAP FOR RECEPTACLES

Alan R. Fergusson, New York, N. Y., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia

Application July 30, 1932, Serial No. 626,273

9 Claims. (Cl. 215—43)



9. In a screw closure cap for receptacles, a cup member having a top and a smooth skirt, and an inner member comprising a split band provided with thread engaging means, the body of the inner member being of less diameter than that of the cup member and normally spaced therefrom, the split band and the spacing permitting the inner member to be expanded and contracted, a liner supported between the upper end of the inner member and the top of the cup member, and means for locking the inner member and the cup member together.

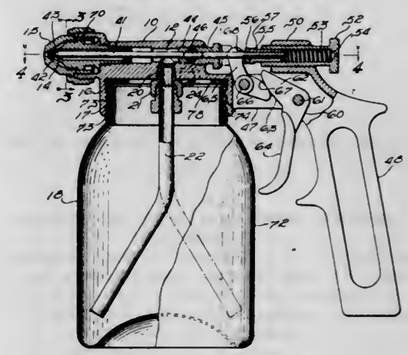
2,079,933

SPRAY GUN

Charles S. Fisher, Detroit, Mich., assignor to Saylor-Beall Manufacturing Company, a corporation of Michigan

Application April 21, 1932, Serial No. 606,558

2 Claims. (Cl. 299—89)



1. A spraying device comprising a body member provided with material and air passages therein, valve means for closing said material passage, means for operating said valve to regulate the flow of material through said material passage, a pressure cup removably secured to said body member, a conduit member secured to said body member and communicating between said material passage and the interior of said pressure cup, said body member being provided with other passages, one passage communicating between said air passage and the interior of the pressure cup and another passage communicating between the exterior of said body member and the interior of the pressure cup, and means for closing either of said two last-named passages for selectively converting the spraying device from a syphon type to a pressure type of spraying device.

2,079,934

PROCESS FOR THE CATALYTIC TREATMENT OF GASOLINE

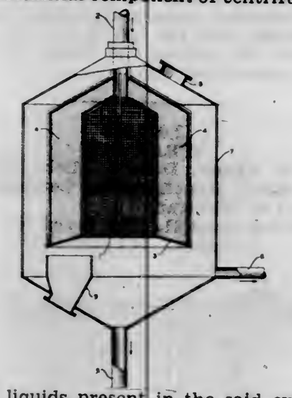
Louis H. Fitch, Jr., and Frederick E. Frey, Bartlesville, Okla.; The First National Bank in Bartlesville, administrator of said Louis H. Fitch, Jr., deceased, assignors to Phillips Petroleum Company, a corporation of Delaware

Application October 8, 1934, Serial No. 747,458

2 Claims. (Cl. 196—96)

2. The process of treating normally liquid petroleum distillates to improve the color and lower the gum-forming tendency thereof, which comprises passing the said distillates, partly in the form of vapor, outwardly in substantially radial direction through a cylindrical bed of solid adsorbent catalytic material into a substantially vapor tight shell surrounding but not contiguous to the said cylindrical bed, withdrawing the aforesaid distillates from the said shell, and maintaining the cylindrical bed of catalyst in rotary motion about an axis concentric with the axis

of said cylindrical bed, at such a rate as to exert a substantial component of centrifugal force



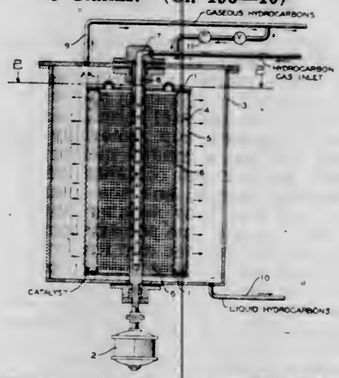
upon any liquids present in the said cylindrical bed.

2,079,935

PROCESS FOR CONVERTING HYDROCARBONS

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

Application September 17, 1934, Serial No. 744,431
5 Claims. (Cl. 196—10)



1. In processes in which normally gaseous olefin containing hydrocarbons are contacted with a pervious body of solid catalytic material to convert them to normally liquid hydrocarbons of relatively low molecular weight predominantly of gasoline boiling range, the method of reducing further polymerization of said liquid polymers to higher boiling hydrocarbons than of gasoline range which comprises imparting movement to said body in such a manner as to subject said liquid polymers, upon the formation thereof, to a component of centrifugal force sufficient to rapidly remove said polymers from said body.

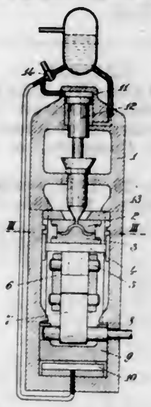
2,079,936

DIE CASTING MACHINE

Hans Gastrow, Zerbst in Anhalt, Germany, assignor to Firma Franz Braun Akt.-Ges., Zerbst in Anhalt, Germany

Application May 22, 1935, Serial No. 22,893
In Germany May 25, 1934
2 Claims. (Cl. 18—30)

1. A die casting machine comprising two mould halves one of which is movable relative to the other, a mechanical closing device for moving the movable mould half against the other mould half, a movable counter bearing connected to the closing device, and a hydraulic pressure device for exerting the injecting pressure for the



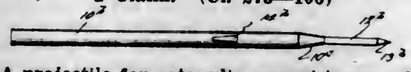
material to be die cast in the mould halves and also exerting pressure on the counter bearing, the closing pressure for the mould halves exceeding the injecting pressure for the material to prevent opening of the mould halves and the formation of burrs on the casting.

2,079,937

PROJECTILE

John H. Harris, Peterboro, N. Y.

Application October 22, 1934, Serial No. 749,458
1 Claim. (Cl. 273—106)



A projectile for catapults comprising an elongated rod-like body, and a force receiving saddle provided at its center point of gravity, said saddle projecting laterally from each side of said body, the opposed sides of said saddle converging rearwardly and the front edges converging forwardly.

2,079,938

SEAL FOR STRING, RIBBON, OR THE LIKE

Salomon Hoornstra, Brussels, Belgium

Application November 27, 1935, Serial No. 51,808
In Belgium December 8, 1934
3 Claims. (Cl. 292—325)



1. A sealing device for string, ribbon, and like material, comprising a metallic body blank bent to form a body having means for permanently fastening one end of the string, ribbon, and like material thereto, and a channel provided with teeth formed on the edge of the body blank, these teeth allowing the free end of the string, ribbon, and like material to pass in one direction only.

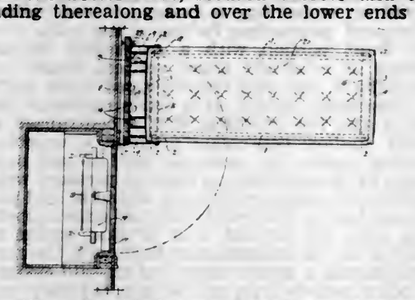
2,079,939

DISAPPEARING BED

Louis Koefoed, East Rockaway, N. Y.

Application November 21, 1934, Serial No. 754,053
2 Claims. (Cl. 5—171)

1. A support for a disappearing bed of the type adapted to be mounted upon a hinged door having a bottom rail and stiles adjacent to said rail at their lower ends; said support being characterized by a flat plate substantially coextensive with the bottom rail, secured thereto and extending therealong and over the lower ends of



the stiles of said door and having spaced integral end portions perpendicular to the plane thereof, and a bed frame having one end pivotally supported by said plate on said end portions permitting said bed frame to be raised parallel to said door.

2,079,940

PYRIDINO ACYLAMINO ANTHRAQUINONES

Max Albert Kunz, Mannheim, and Karl Koeberle and Gerd Kochendoerfer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 27, 1934, Serial No. 759,428. In Germany September 10, 1931
17 Claims. (Cl. 260—39)

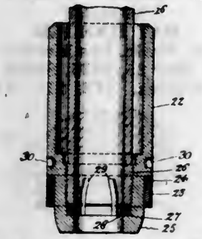
1. Pyridino - acylaminoanthraquinones which contain at least once the radical of an aromatic compound containing up to three condensed isocyclic rings condensed with at least one pyridine ring, the said radical being attached to at least one radical of a vattable compound of the anthraquinone series by means of a —CO.NH— bridge, the —CO— being attached to the component containing the pyridine ring.

2,079,941

CORE CATCHER RETAINER AND SEAT FOR A CORE BARREL

Gustave J. Labarre, Paincourtville, La.

Application November 21, 1935, Serial No. 50,941
3 Claims. (Cl. 255—72)



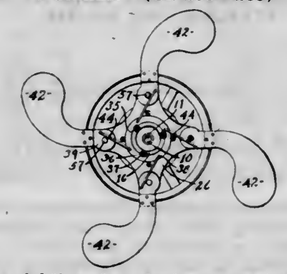
1. An integral core barrel attachment, comprising a cylindrical body portion having an integral inwardly extending flange at its lower end for supporting a core catcher and provided above said flange with an integral socket portion to receive the lower end of a core barrel and hold the same above the core catcher for confining the latter between the core barrel and the flange, said cylindrical body also having an exterior gasket supporting portion in the zone of said internal flange adapted to carry a sealing gasket to engage the seat in a drill bit, said cylindrical body further having a downwardly tapering portion below said gasket supporting portion for engagement in the drill bit below the seat thereof.

2,079,942

FOLDING ELECTRIC FAN

Clarence W. Le Velle, Wichita, Kans.

Application May 13, 1935, Serial No. 21,104
7 Claims. (Cl. 230—259)



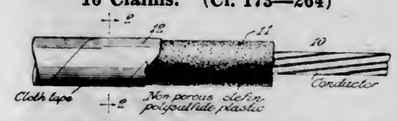
1. In a folding fan device, a motor having a rotor therein, a hub carried on said rotor and a spider element carried on said hub, fan blades carried on said spider and pivotally mounted thereon, spring means in the pivotal mounting of each blade functioning to cause the fan blade to fold in a forward direction toward the center of the motor; a synchronizing ring, said synchronizing ring being revolvably mounted on the hub; and connecting rods, one for each fan blade, each fan blade being linked to the synchronizing ring by a connecting rod.

2,079,943

INSULATED ELECTRICAL CONDUCTOR

George Spencer Lobdell, Rome, N. Y., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey

Application October 26, 1932, Serial No. 639,594
Renewed June 1, 1936
16 Claims. (Cl. 173—264)



1. An insulated electrical conductor comprising in combination a conductor, a sheath of rubber, and a relatively thinner outer sheath of substantially non-porous olefin polysulfide reaction product which has been heat treated in the presence of a gas formation retarding substance selected from the classes of aromatic amines, napthol and phenols containing respectively the group NH_2 and the group OH combined with radicals which so limit the activity of the groups as to cause the reduction of gas formation in the product under curing conditions

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2,079,944

PLASTIC AND METHOD OF CURING

George Spencer Lobdell, Rome, N. Y., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey

No Drawing. Application October 26, 1932, Serial No. 639,733
15 Claims. (Cl. 106—22)

11. A substantially non-porous plastic substance comprising an olefin polysulfide reaction

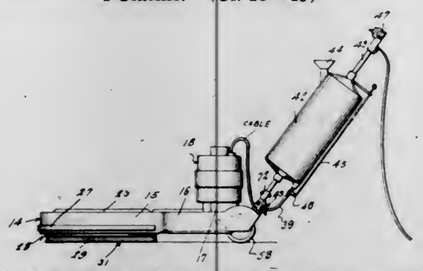
product which has been heat treated in the presence of a reagent from the group consisting of orthotoluidine, beta-napthylamine and beta-napthol capable of combining with a gaseous product formed in the olefin polysulfide reaction product during heating to yield a condensation product.

2,079,945
LAWN MOWER
William H. Manning, Pontiac, Mich.
Application April 27, 1933, Serial No. 668,150
27 Claims. (Cl. 56—244)



1. A mower comprising a stationary cutter bar element having entry teeth, an endless cutter band element having teeth adapted to cooperate with the teeth in the bar for cutting grass entering between teeth in the bar, one element in a length corresponding to the length of the bar having one more tooth than the number of teeth in the other element, and means for driving the endless cutter band whereby during operation of the mower a substantially even torque condition will be obtained at all times which enables operating the mower by exercise of a substantially minimum constant force.

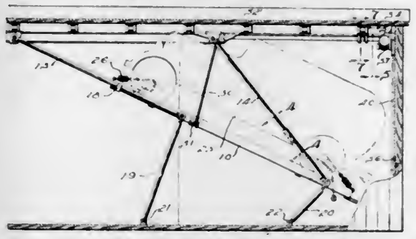
2,079,946
FLOOR SCRUBBING, BRUSHING, AND POLISHING MACHINE
Harry L. Myers, Toledo, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio
Application September 11, 1935, Serial No. 40,148
4 Claims. (Cl. 15—49)



1. A machine of the class described embodying a casing and a steering handle attached to said casing, said casing being provided with a bearing, a vertically disposed headed journal pin supported in said bearing, a rotary brush holder arranged in said casing within the vicinity of said bearing and said pin, said holder including an adaptor plate provided with a hub receiving the headed end of the pin and a self-alining bearing seated in said hub and surrounding the pin adjacent the headed end, an abutment washer fixedly attached to the casing and surrounding the pin between the casing and self-alining bearing, and a companion washer attached to said adaptor plate and surrounding the first named washer in concentric relation, the adjacent edge portions of said washers being beveled and spaced apart to permit a limited tilting motion of said adaptor plate in relation to the casing.

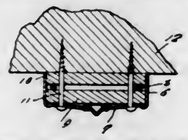
3. A low built machine especially constructed for scrubbing, brushing and polishing beneath furniture embodying a casing of longitudinally elongated dimensions having a low-lying circular front portion with a depending marginal flange of relatively short vertical height constituting a rim, said rim-equipped front portion of the casing serving as a brush enclosure, having a flat top provided with a centralized circular shallow depression defining a weight-receiving pocket, the marginal wall of said pocket being of beveled form, a flat-top pressure weight of disk-like design removably seated in said pocket and having a beveled marginal edge cooperating with the beveled wall of said pocket and having its top substantially flush with the top of said casing, a motor supported on said casing at a point remote from the weight, a rotary brush mounted in said enclosure, and an operating connection between the brush and the motor.

2,079,947
CAR LOADING MECHANISM
Sulo Michael Nampa, Detroit, Mich., assignor, by mesne assignments, to The Worth Company, a corporation of Michigan
Application November 2, 1932, Serial No. 640,798
17 Claims. (Cl. 105—368)



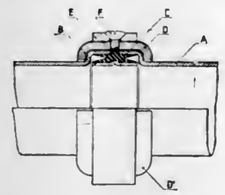
1. In combination with a freight car or the like, vertically movable means for supporting an object in the car, means connected to the car and first means for raising the latter, transportable power means, means for releasably and drivingly connecting the power means and raising means, and means on a wall of the car for anchoring the connection between the power means and raising means.

2,079,948
HAT HANGER
Alvin R. Neale, Des Moines, Iowa
Application May 25, 1936, Serial No. 81,740
2 Claims. (Cl. 211—31)



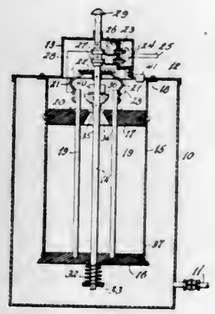
1. A hat hanger comprising a shell, a pair of clamp blocks in the shell, a frame member disposed between the clamp blocks and having an off-set intermediate portion, the ends of said frame projecting outwardly from the shell, screws disposed through the shell and the clamp blocks adjacent said off-set portion of the frame and adapted to be driven into a supporting structure, and a U-shaped hat receiving structure on the outer end of each frame.

2,079,949
COUPLING FOR PIPES AND THE LIKE
Mario Novati, Milan, Italy
Application March 13, 1935, Serial No. 10,924
In Italy April 20, 1934
4 Claims. (Cl. 285—194)



1. A flexible coupling of the character described including in combination with a pair of pipe sections having enlarged ends forming an internal coupling chamber, a flexible packing ring arranged within the chamber and provided with a peripheral rib which projects between the opposed lips of the pipe sections, a metallic ring also arranged within the chamber and shaped so as to adhere to the inner surface of the packing ring and acting to support the packing ring, the opposed edges of the packing ring being provided with grooves so that the portions adjacent the grooves are held tightly sealed against the adjacent parts by the pressure of the liquid or gaseous medium which is adapted to pass through the pipe sections, a cover composed of two semi-circular sections fitted externally about the outer enlarged ends of the pipe sections, another ring encircling the cover and removably fixed thereto.

2,079,950
ELECTRICAL WATER PURIFIER
Frank G. Negus, Halifax, Nova Scotia, Canada, assignor of one-half to H. Borden Clarke, Montreal, Quebec, Canada
Application August 19, 1936, Serial No. 96,878
6 Claims. (Cl. 204—25)

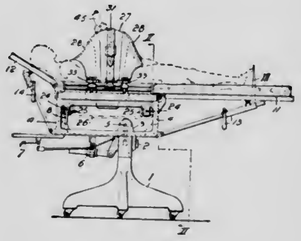


2. A water purifier of the character described comprising, in combination, a tank; and an electrical purifying unit suspended in said tank including a pair of electrodes; a sludge trapping chamber near the upper portion of the tank having openings through which the liquid normally circulates; and associated switch and valve means connected to cut off the supply of current and simultaneously close the openings in said sludge chamber to trap the sludge therein.

2,079,951
BINDING AGENT FOR PAINTS, LACQUERS, AND VARNISHES
Jacobus Rinse, Overveen, Netherlands, assignor to Naamlooze Vennootschap tot voortzetting der zaken van Pieter Schoen & Zoon, Zaandam, Netherlands, a corporation of the Netherlands
No Drawing. Application May 10, 1935, Serial No. 20,890. In the Netherlands May 15, 1934
2 Claims. (Cl. 134—26)

1. A binding agent for paints, lacquers and varnishes, consisting of a mixture of raw drying oil, phthalate resin and chlorinated rubber, dissolved in a solvent adapted to dissolve all three constituents, the chlorinated rubber being in an amount up to about 33 per cent of the total amount of the non-volatile constituents of the solution.

2,079,952
APPARATUS FOR PRODUCING ARTIFICIAL RESPIRATION
Bo Carl Henrik Sahlin, Lund, Sweden
Application September 22, 1934, Serial No. 745,111
In Sweden September 27, 1933
8 Claims. (Cl. 128—30)

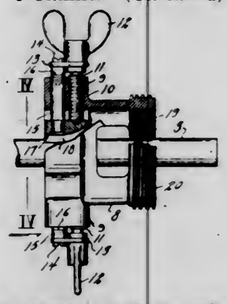


1. In an apparatus for producing artificial respiration with the aid of a casing which is adapted to enclose a part of the body of the patient but to leave uncovered the head, neck, limbs and the anal- and urogenital-parts and in the interior of which rhythmical changes of the pressure are effected, for instance by means of a pump, the combination of a support for the back of the patient, which support is adjustable with respect to its width, a substantially U-shaped hood, which by means of resilient shanks can straddle the said support and fit tightly to the same, independent of the adjusted width of the support, cloths adapted to fit closely to the body and to the said support and slides carrying the support and consisting of frames which are provided with jam devices, by means of which the shanks of the hood may be jammed to the support.

2,079,953
CUPRIC MIXTURES FOR AGRICULTURAL PURPOSES AND METHOD FOR PREPARING SAME
Pierre Francois Joseph Souviron, Tarbes, France
No Drawing. Application June 10, 1935, Serial No. 25,962. In France June 18, 1934
3 Claims. (Cl. 167—16)

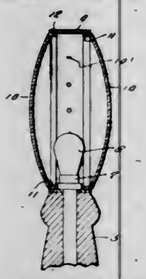
2. A cupric anticryptogamic composition consisting of a cupric oxychloride having the formula $4Cu(OH)_2CuCl_2$ and a free soluble barium salt, said composition having with reference to litmus, a slightly acid to neutral reaction.

2,079,954
TURNING, FACING, AND THREADING TOOL
William W. Vosper, Toledo, Ohio, assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio, a corporation of Ohio
Application February 27, 1936, Serial No. 66,108
6 Claims. (Cl. 82—4)



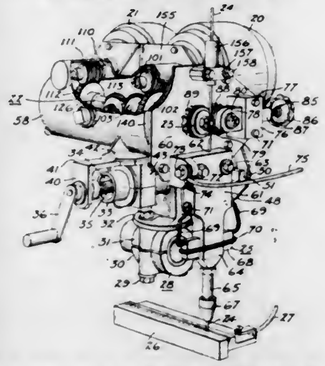
1. In a re-shaping tool for cylindrical metal stock, a primary sleeve, a centering clamp anchor thereon for the stock to be acted upon, said sleeve forming a cylindrical overhanging extension laterally extending from the clamp and providing feed control threads, a secondary relatively telescoping sleeve having a complementary thread, a cutting tool device mounted on the secondary sleeve, an actuator arm, a connection for holding the arm against angular shifting relatively to the secondary sleeve for operating the device relatively to the sleeve, and a ratchet ring drive effective on release of said connection for said arm then to act through the drive and on the secondary sleeve for determining feed position for the device.

2,079,955
BEACON SUNRAY LIGHT
Mary Ellen Woodward, Lexington, Ky.
Application May 7, 1935, Serial No. 20,233
1 Claim. (Cl. 240—25)



The herein described improved lamp comprising essentially a post with a vertical bore therethrough, a circular frame or band superimposed on and corresponding in width with the diameter of the upper end of the post and arranged throughout in the same vertical plane as the upper end of the post and having a vertical central series of minute spaced apertures for the radial emanation of light rays, a lamp socket bearing directly on the lower portion of said circular band or frame and holding the same to the upper end of the post, an incandescent electric lamp bulb carried in said socket, diaphanous disks arranged at opposite sides of said circular band or frame and having inwardly directed flanges fitting snugly within the edge portions of the circular band or frame, and screws threaded in apertures of the circular band or frame and disposed in indentures in the flanges of the diaphanous disks for positively though detachably securing the disks in the circular band or frame.

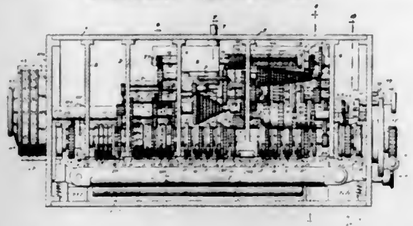
2,079,956
AUTOMATIC WELDING HEAD
Lynn S. Burgett, Euclid, Ohio, assignor to Una Welding, Inc., East Cleveland, Ohio, a corporation of Delaware
Application March 16, 1934, Serial No. 715,869
38 Claims. (Cl. 219—8)



1. In a device of the kind described, a support, a member mounted on said support for reciprocation thereover, and for oscillation therearound, a plate mounted on said member for adjustment thereon, means securing said plate member in adjusted position, and an electrode supporting means on said plate.

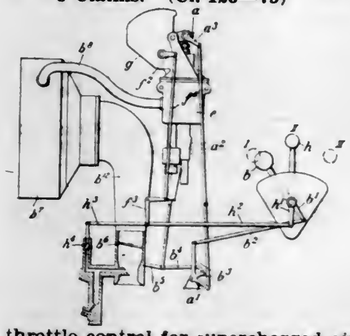
2. In a device of the kind described, a mechanism for feeding wire or wire-like elements, including a driving means delivering constant speed for moving the wire in one direction, and a second motor for moving the wire in the other, and means for placing one motor in circuit after a predetermined movement of the wire by the other motor.

2,079,957
RECORDER
Harry V. Clifton, Erie, Pa.
Application April 19, 1933, Serial No. 666,902
9 Claims. (Cl. 235—61)



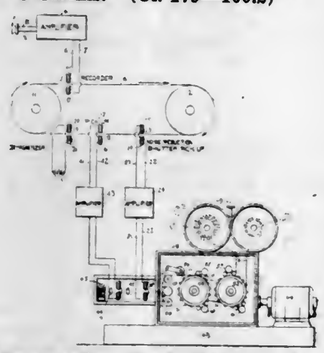
1. A computing and registering device comprising a driving element, a units total registering means, means between said driving element and said units total registering means whereby the latter is driven to register total units, means normally disconnected from said units total registering means and normally operatively connected with said driving element to be driven thereby to absorb motion corresponding to unit fractions, said last named means being releasable to expend its absorbed motion, and means for releasing said motion absorbing means and for simultaneously connecting it with the units total registering means for transfer of its absorbed motion to said units total registering means, thus to cause the latter means to register the total of both the units and the unit fractions.

2,079,958
MEANS FOR CONTROLLING INTERNAL COMBUSTION AIRCRAFT ENGINES
Edward Dodson, Streatham, London, England
Application July 13, 1936, Serial No. 90,428
In Great Britain September 24, 1935
8 Claims. (Cl. 123—75)



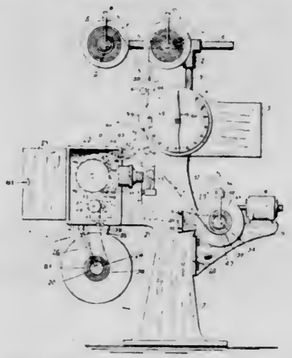
1. A throttle control for supercharged aircraft engines comprising, a pilot's throttle control, an induction throttle valve, means connecting said control to said valve, a boost control connected to said connecting means arranged to vary the position of the said throttle valve relatively to that of the said throttle control according to altitude, means for changing the datum of said boost control, a mixture control adapted to vary the strength of the mixture supplied to the engine, and means for operating said datum changing means by the pilot's throttle control and by the mixture control, whereby a predetermined maximum charging pressure is prevented from being exceeded when said mixture control is in a weak position.

2,079,959
MEANS AND METHOD FOR ELIMINATING BACKGROUND NOISE IN RECORDING SOUND
Ralph Gordon Fear, Los Angeles, Calif.
Application November 17, 1934, Serial No. 753,491
5 Claims. (Cl. 179—100.2)



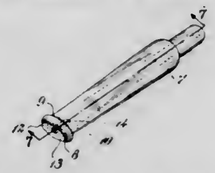
1. In an apparatus of the character described, a moving sound record medium, means for magnetically recording sound on the record medium, an electro-magnetic pickup-amplifier-relay operated shutter cooperative with the record medium and adapted to operate at a predetermined sound intensity, and a second electromagnetic pickup-amplifier-light valve recorder also cooperative with said record medium for re-recording the sound on a second record medium.

2,079,960
COMBINED PRINTING AND RECORDING MACHINE
Ralph Gordon Fear, Los Angeles, Calif.
Application December 10, 1934, Serial No. 756,856
5 Claims. (Cl. 95—75)



1. In a machine of the class described, a vertical support, a film printing mechanism at the upper end of said support, a sound-on-film recording mechanism carried by and at one side of said support below said film printing mechanism, a second support rising from the upper end of the first named support, film rolls carried by said second support, a prime mover carried by and at the opposite side of said support, a drive shaft journaled in said support and connecting the said prime mover directly to the film feed mechanism of the said sound recording mechanism, and a second shaft geared to said second named shaft at one side of said support to transmit power from the prime mover to the film feed mechanism of the said printing mechanism.

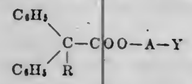
2,079,961
SMOKER'S MOUTHPIECE
Clark Way Harrison, Chester, Pa.
Application January 16, 1936, Serial No. 59,352
6 Claims. (Cl. 131—10)



1. A dry mouthpiece device for smokers consisting of a pair of flexible flaps joined to each other and to a common member adapted to be received centrally within the opening of the conventional slotted mouthpiece thereby to secure said flaps across the face of the mouthpiece and over the portions of said opening on each side of said member.

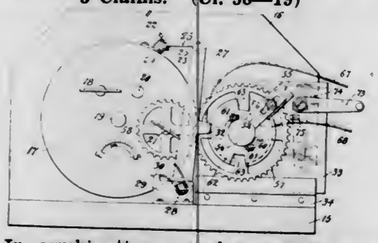
2,079,962
BASIC ESTERS OF POLYARYLACETIC ACIDS AND PROCESS OF MAKING THE SAME
Karl Miescher, Riehen, near Basel, and Karl Hoffmann, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 6, 1935, Serial No. 30,166. In Switzerland July 12, 1934
16 Claims. (Cl. 260—43)

1. The basic esters of the formula



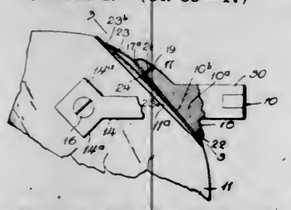
wherein Y represents a member of the group consisting of a dialkylamine, an alkyl-allylamine and a piperidine ring, R represents a member of the group consisting of hydrogen and phenyl, and A represents a member of the group consisting of an unsubstituted alkylene chain and a cyclohexane ring, which substances are soluble in organic solvents and insoluble in water, forming with acids water-soluble salts of strong antispasmodic action.

2,079,963
ELECTRIC SWITCH CLOCK COMBINATION
Sam Moskal, Ambridge, Pa.
Application March 25, 1936, Serial No. 70,772
3 Claims. (Cl. 58—19)



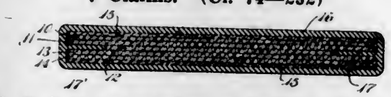
3. In combination, an alarm clock having a striker and a winding key therefor, a gear train driven by said key, a notched disc actuated by said train, a lever spring pressed against said disc, said lever being moved by contact therewith, means associated with said lever to control the movements of said striker, an electric circuit including a lighting means, and a switch in said circuit controlled by said disc.

2,079,964
EYEGLASS CONSTRUCTION
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application October 22, 1934, Serial No. 749,442
3 Claims. (Cl. 88—47)



1. In eyeglass construction, in combination, a lens having a straight edge portion at a substantially acute angle to the transverse axis thereof and inclined inwardly toward the vertical axis of said lens, a fitting mounted on said lens and capable of pivoting about a point on said lens under stress, a strap extending upwardly from said fitting substantially in alinement with said edge portion, the free end of said strap being spaced below a line perpendicular to said edge portion and extending through the pivotal axis of said fitting, a spring member disposed between said strap and said edge portion and secured to said fitting, and resilient means disposed between one end of said strap and said spring member and secured to said strap at a point spaced from the point at which said spring member is secured to said fitting.

2,079,965
BELT
Samuel R. Reimel, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 10, 1936, Serial No. 63,096
Renewed March 11, 1937
7 Claims. (Cl. 74—232)



6. A belt comprising a tension element of superimposed plies of fabric, at least one of the intermediate plies having a lateral edge thereof terminating short of the edges of other of the plies providing a space therebetween, an anchoring body of rubber in said space and united to the plies, and a layer of covering rubber upon the faces and edges of the belt and united with the body of anchoring rubber.

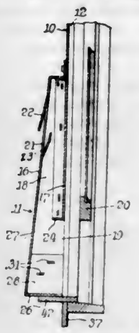
2,079,966
COP AND TUBE THEREFOR
Wilhelm Reiners, Gladbach-Rheydt, and Gustav Kahlisch, Rheydt, Germany, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany, a corporation of Germany
Original application November 7, 1933, Serial No. 697,056, now Patent No. 2,035,721, dated March 31, 1936. Divided and this application December 16, 1935, Serial No. 54,762. In Germany November 22, 1932
1 Claim. (Cl. 242—125)



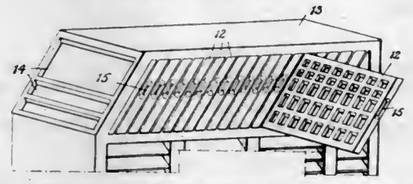
A cop tube comprising a tubular body having at one end a radially opening annular notch formed by the butt of the tube and a plate-shaped member attached thereto, and an elastic ring between said butt and said plate-shaped member.

2,079,967
VENTILATING SHUTTER
Carl J. Rindt, Chicago, Ill.
Application August 30, 1934, Serial No. 742,074
6 Claims. (Cl. 98—88)

1. In a ventilating shutter, a ventilating unit adapted to span and to be secured across a window opening and formed from an opaque relatively rigid and light sheet material to provide spaced inner and outer walls defining an air passage of substantial cross-sectional area therebetween, said outer wall being formed to provide a relatively large air inlet opening adjacent to one edge of said section and said inner wall being formed to provide a relatively large outlet opening adjacent to the opposite side of said section, and an opaque light deflector on the edge of said outlet opening opposite from said inlet opening and adapted to project inwardly from said inner wall to intercept light rays reflected longitudinally through said passage between said openings.

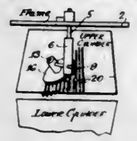


2,079,968
TYPE OR MATRIX CABINET
Samu-El Ish-Shalom and Otto I. Bloom, New York, N. Y.
Application December 19, 1935, Serial No. 55,267
6 Claims. (Cl. 276—44)



1. A type cabinet arrangement consisting of a cabinet, a number of cases standing on edge therein and arranged in a horizontal plane, each of said cases being inclined at an angle of more than zero and less than ninety degrees from vertical.

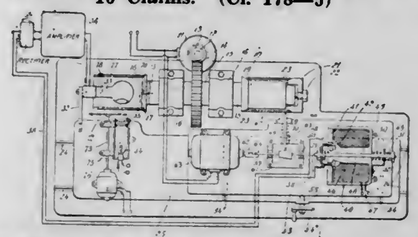
2,079,969
DESIGN WHEEL AND MOUNTING THEREFOR
Charles W. Smith, Philadelphia, Pa., assignor to Charles Peberdy & Son, Germantown, Philadelphia, Pa.
Application November 19, 1935, Serial No. 50,501
14 Claims. (Cl. 66—18)



1. In an assembly of the character described, a circular knitting machine having a rigid frame and a rotatable frusto conical cylinder provided with needle guides and associated jacks, in combination with a wheel adapted to control the longitudinal movement of the needle jacks to produce a predetermined design, and a bracket supporting said wheel for rotation in inclined relation substantially peripherally tangent to the surface of the cylinder and in intermeshing relation to the needle jacks, said bracket being adjustable to vary the inclination of the wheel and to permit of movement of the wheel toward and away from the axis of the cylinder.

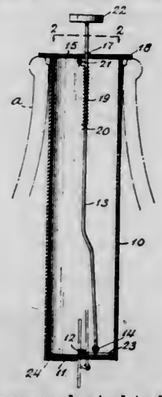
7. A plug insert comprising an elongated blank, one end of which has a raised extension to project into the slot of a design wheel and beyond which extension is a jack lifting abutment of lower elevation.

2,079,970
PROCESS AND APPARATUS FOR PHOTO-ELECTRIC ENGRAVING
William C. Speed, New York, N. Y.
Application January 16, 1933, Serial No. 651,866
16 Claims. (Cl. 178—5)



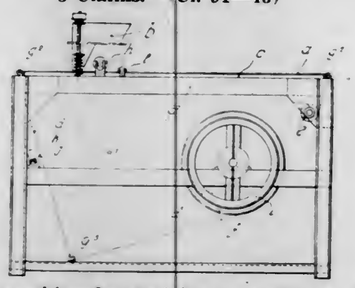
1. In apparatus for reproducing a picture on a plate, the combination of means responsive to graduation in tone of adjacent minute areas of the picture, a gouging tool, means for reciprocating the tool independently of the first means, and connections between the means for varying the depth of gouge of the reciprocating tool to cause it to gouge regularly spaced, independent pits in the surface of the plate of sizes varying in accordance with the graduation in tone of the corresponding minute areas of the picture as determined by the first means.

2,079,971
CREAM REMOVER
Willard B. Stevens, Arlington, N. J.
Application September 23, 1936, Serial No. 102,075
6 Claims. (Cl. 210—51.5)



1. A cream remover adapted to be inserted into a milk receptacle comprising a tubular container having its lower end open, a closure for said open end pivotally connected with said container to swing about an axis coinciding with a diameter of said container, and resilient means for normally maintaining said closure in its closed position and manually operable to pivotally swing said closure to an open position in substantial registry with the longitudinal axis of said container.

2,079,972
APPARATUS FOR MANUFACTURING PHONOGRAPHIC DISKS
Albert Barbier St. Hilaire, Creteil, France, assignor to Societe des Vernis Pyrolac S. A. R. L., Creteil, France
Application November 23, 1934, Serial No. 754,471
In France November 28, 1933
3 Claims. (Cl. 91—43)



3. A machine for applying a varnish on disks, which comprises, in combination, a frame, a conveyer band of paper movable on said frame adapted to carry said disks, guiding means for said band of paper for causing a portion thereof, carrying the disks, to slide in its own plane along a horizontal straight path of travel, a drum carrying one end of said band of paper wound thereon, another drum of larger diameter for winding of the other end of said band of paper thereon, driving means for rotating said second mentioned drum, a hopper for said varnish carried by said frame above said horizontal portion of the band, having its bottom at a small distance above said portion of the band, said bottom being provided with a slot-shaped aperture, parallel to said plane and at right angles to said path of travel, for discharging said varnish in the form of a thin sheet onto said band and the disks carried by it, and means for scraping said conveyer band after its passage under said hopper.

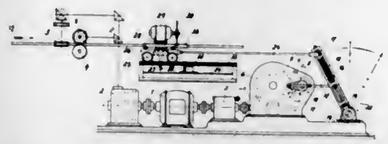
2,079,973
WATER-SOLUBLE SULPHONATION PRODUCTS OF PHOSPHATIDES, AND PROCESS FOR PREPARING SAME
Georg Strauch, Krefeld, Germany, assignor to Chemische Fabrik Stockhausen & Cie, Krefeld, Germany, a German society
No Drawing. Application November 11, 1935, Serial No. 49,258. In Germany November 1, 1933
9 Claims. (Cl. 260—99.20)

1. The process for the manufacture of water-soluble sulphonation products of the phosphatides which comprises treating the phosphatide with a sulphonating agent in quantity at least equal to 60% of the weight of the phosphatide.

9. Washing, wetting, emulsifying, dispersing, cleaning, softening, equalizing, loading, penetrating, reviving and finishing agents consisting essentially of sulphonated phosphatides distinguished by their solubility in water, their high permeation and penetration power, their stability to acid, their insensitiveness to lime and their high protective colloid effect.

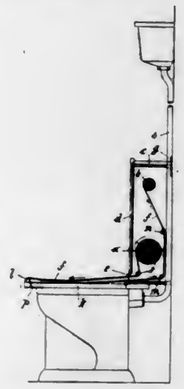
2,079,974
SAWING APPARATUS
Rudolf Traut, Mulheim-Ruhr, Germany
Application November 22, 1933, Serial No. 699,146
In Germany December 24, 1932
5 Claims. (Cl. 29—69)

1. Apparatus for cutting into sections of equal length tubes produced by apparatus such as a rolling mill, comprising a bed extending parallel to the direction of travel of the tube, a carriage adapted for reciprocation upon the said bed, a saw, and means for operating the said saw mounted for movement upon the said carriage in a direction transverse to the direction of travel of the tube, means positioned in the length of the bed for effecting an oscillatory movement of the saw, means for reciprocating the carriage upon the bed, a change speed gear operatively coupled to the drive of the rolling mill, and



variable transmission gear between the said change gear and the means for reciprocating the carriage, said transmission gear including an element that is operated intermittently to transmit an intermittent movement to the means for reciprocating the carriage, the change gear effecting a change in the speed imparted to the transmission gear and the transmission gear varying the travel of the carriage in accordance with the change in length of the sections of tube to be severed and in dependence one on the other.

2,079,975
PROTECTING DEVICE FOR WATER CLOSETS
Willy Volkmann, Halberstadt, and Walter Kleist, Groningen, Germany
Application February 6, 1936, Serial No. 62,584
In Germany February 9, 1935
2 Claims. (Cl. 4—247)

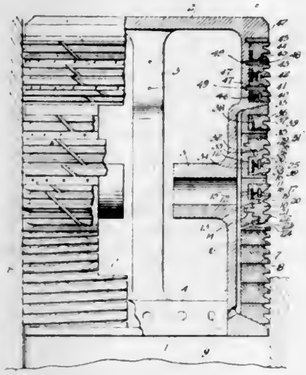


1. A closet protecting device, comprising in combination with the closet seat, a paper web having cut out portions corresponding to the hole in the seat, an unwinding roll above the closet seat, a guide roller at the front end of the seat over which said paper web is moved back over the closet seat below the unwound paper web, a resilient steel band fixed by means of screws to said closet seat and carrying said guide roller, and a winding roll behind the seat above said unwinding roll adapted to wind up the used portion of the paper web.

2,079,976
PRODUCTION OF ACETALDEHYDE FROM ACETYLENE
Frederic van Taack-Trakranen and Gustav Wietzel, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application October 1, 1935, Serial No. 43,056. In Germany October 11, 1934
1 Claim. (Cl. 260—139)

In the catalytic production of acetaldehyde from a gas consisting mainly of hydrogen and containing from about 5 to 20 per cent of acetylene by means of a dilute sulfuric acid solution containing mercuric sulfate the step which consists in keeping the concentration of the mercuric sulfate in the said solution so low that only between 0.3 and 3 grams of mercury are contained in each litre of the solution.

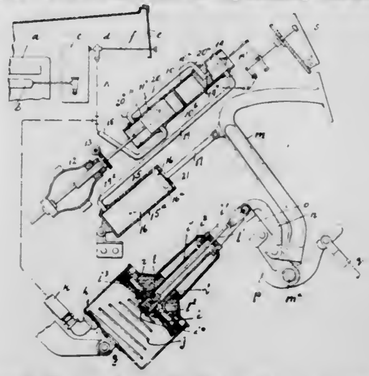
2,079,977
PACKING RING
Albert W. Wenzel, West Orange, N. J.
Application July 6, 1933, Serial No. 679,195
8 Claims. (Cl. 309—45)



1. In combination, a piston having a peripheral ring-receiving groove the end edges whereof taper inwardly, a collar in said groove having its ends correspondingly tapered and having means enabling said collar to lessen in length for compression into said groove more or less as required, said collar also providing ring-receiving grooves therein, and rings in the grooves of the collar tending to expand therein and compressible irrespective of the collar in its groove.

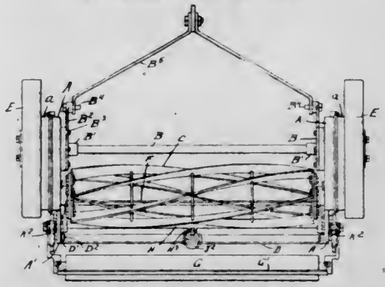
2,079,978
MEANS FOR CONTROLLING THE BRAKES OF MOTOR VEHICLES
Abraham Weiss, New York, N. Y., assignor to Joe Weiss, New York, N. Y.
Application January 30, 1935, Serial No. 3,998
12 Claims. (Cl. 192—3)

11. In a vehicle having brakes, brake operating means, means for setting the vehicle in motion including an accelerator, a power unit adapted to be automatically controlled by the brake operating means, control means for said power unit including means actuated by a driven part of the vehicle and means actuated by said accelerator, both said last named means being adapted to control the power of said power unit so that when said brake operating means are



released the brakes will be locked in operative position until said accelerator is operated.

2,079,979
LAWN MOWER
Edward H. Worthington, Dunfield, N. J.
Application December 20, 1933, Serial No. 703,170
Renewed July 10, 1936
10 Claims. (Cl. 56—294)

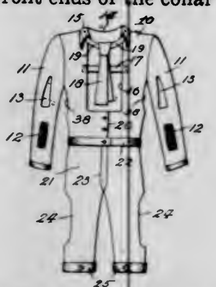


1. In a lawn mower, the combination with a framework comprising side frame members and a cross frame member, of a fly knife journalled at its ends in said side frame members, a co-operating bed knife member pivotally connected at its ends to said side frame members, a worm mounted in said cross frame member to turn about an axis transverse to the length of the latter, and a worm gear part coaxial with the pivotal connections of said side frame members and bed knife member and carried by the latter and in mesh with said worm.

2,079,980
VENTILATED CLOTHING
Rudolph Anders, Los Angeles, Calif.
Application August 23, 1935, Serial No. 37,486
2 Claims. (Cl. 2—115)

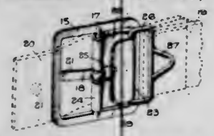
1. In a ventilated garment, a body covering member provided with a neck opening, a collar surrounding said opening, there being an opening formed in the front of said body covering member and extending a substantial distance downwardly from said neck opening, said downwardly extending opening having substantial width, a collar surrounding said neck opening, the folded over front ends of the collar terminating at the sides of said downwardly extending opening, a tie having diverging upper end portions, the ends

of which are inserted beneath and secured to the folded over front ends of the collar and a flexible



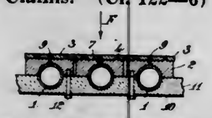
member extending across the downwardly extending opening and connecting the side edges thereof.

2,079,981
STRAP FASTENING
Harry Bednall, Walsall, England, assignor to Ferrand & Suddards, Limited, Bradford, England, a company of Great Britain
Application May 28, 1934, Serial No. 727,900
In Great Britain May 30, 1933
6 Claims. (Cl. 24—77)



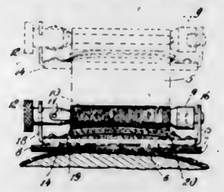
1. A strap fastening comprising a buckle frame having a cross-bar over which one part of the strap is placed, a loop for attachment to the other strap part and a fastening member for releasably connecting said loop to said buckle frame, said fastening member consisting of a plate adapted to be located entirely behind said buckle frame, one edge of said plate being curled over to form an open hooked portion adapted to engage detachably over said cross bar, the projecting edge of the hook being bent outwardly away from the surface of the plate to increase the width of the open mouth of the open hooked portion and to extend towards the strap placed over the cross bar and the opposite edge of said flat plate being bent over in the opposite direction to form a further open hooked portion on the opposite face of the plate to that at which is disposed the first named hooked portion, said further hooked portion being releasably engageable with said loop.

2,079,982
FURNACE WALL, FURNACE-GAS BAFFLE PLATE, AND THE LIKE
Bruno Bělohlávek, Moravska Ostrava, Czechoslovakia
Application December 5, 1935, Serial No. 52,949
In Germany December 7, 1934
6 Claims. (Cl. 122—6)



1. A wall or gas diverting structure for industrial furnaces especially boiler plants comprising in combination a series of cooled tubes, a plurality of metal blocks being carried by these tubes and having tube embracing recesses, holes in the metal blocks, these holes extending through the blocks towards their bearing faces, plugs connecting the blocks with the tubes, these plugs being formed by introducing and welding material into the holes.

2,079,983
METHOD AND APPARATUS FOR WAVING HAIR
Harry Bonat, New York, N. Y.
Application January 8, 1936, Serial No. 58,064
7 Claims. (Cl. 132—33)



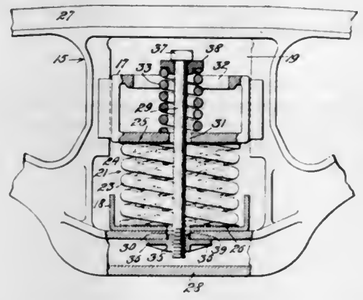
1. The method of waving hair on the human scalp which comprises separating a lock of hair, winding the hair from the free ends spirally onto a winding element, subjecting the hair as it is wound thereon to substantially uniform tension while leaving the portion of the hair between the wound portion and the scalp unrestrained, moistening and wrapping the hair, and applying heat to the wound hair for a period sufficient to fix the wave therein.

2,079,984
HAND BRAKE
Richard W. Burnett, Chicago, Ill.
Application January 13, 1927, Serial No. 160,870
Renewed August 24, 1934
10 Claims. (Cl. 74—516)



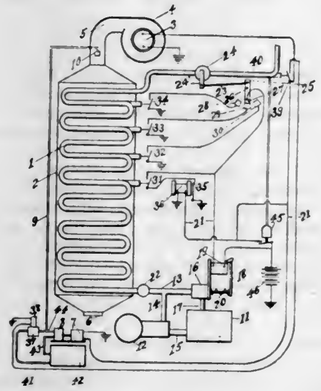
1. In combination with the brake rigging of a railway car, a lever pivoted to the car, a horizontally disposed connector attached at one end to the brake rigging and provided at the other end with a link adapted to be slipped over the free end of said lever into operative position thereon, a power means secured to the car, a connector attached at one end to said power means and provided at the other end with a link adapted to be slipped over the free end of said pivoted lever into operative position thereon.

2,079,985
REBOUND REDUCING MEANS FOR CAR-TRUCK SPRINGS
Charles R. Busch, Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Application November 22, 1933, Serial No. 699,119
10 Claims. (Cl. 105—197)



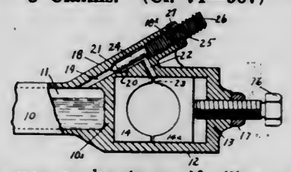
3. In a car truck, the combination of a side frame, a relatively movable bolster, supporting springs on the side frame for the bolster, a bolt resisted against upward movement by the tension member of the side frame at a point approximately midway of the opposite lateral surfaces of the thickness of such member, the bolt extending up into the bolster, a fixed abutment on the bolt, and a rebound reducing spring located between the abutment and bolster and bearing on both in opposition to the supporting springs.

2,079,986
METHOD AND APPARATUS FOR OPERATING STEAM GENERATORS
Osmon B. Campbell, St. Joseph, Mo.
Application August 24, 1936, Serial No. 97,666
7 Claims. (Cl. 122—448)



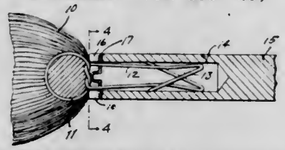
6. The method of operating a series steam generator, which comprises maintaining a certain amount of water in said generator, when operating under light load, maintaining a greater amount of water in said generator, when operating under greater load, and limiting both the minimum and the maximum amounts of water, which may be present in said generator, regardless of the temperature of the steam.

2,079,987
SELF OILING PITMAN
Fred Cooper, Garfield, Kans.
Application October 7, 1935, Serial No. 43,840
3 Claims. (Cl. 74—587)



1. In a non-syphoning self-oiling pitman; a tubular central oil chamber intermediate a pair of bearing housing elements respectively sealing the opposite ends of said chamber; each housing constituting a one piece open cage provided with top and bottom wall elements and an outer end wall element; each end of said pitman having an outwardly and upwardly inclined oil passage opening at its lower end to the central chamber at a distance inwardly from the closing wall of the housing; said oil passage merging into an enlarged oil passage at a needle seat; a transverse oil passage through the upper wall of the housing and communicating to said enlarged oil passage; and a threaded needle closing the enlarged oil passage at its outer end and adjustable therein from or towards said needle seat for regulating the amount and degree of oil discharge from the central chamber through said transverse passage during reciprocating movements of said pitman in operative usage.

2,079,988
CONNECTING DEVICE
Edward S. Cushman, Port Washington, Long Island, and Edward Konik, New York, N. Y., assignors to New York Association for the Blind, New York, N. Y., a corporation of New York
Application April 25, 1936, Serial No. 76,422
8 Claims. (Cl. 306—29)

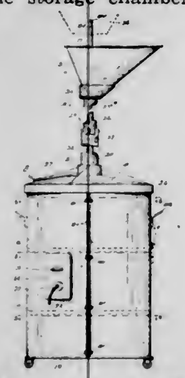


1. An article comprising a connector wire having at least one portion at the end thereof bent back to form an angle with itself of less than 90°, a part connected to said wire at a distance from said end whereby a pull on said part when said end is held will tend to turn said end portion more nearly perpendicular, and a female part having a bore therein of diameter less than the length of the bent back end of the wire and the wall of its bore being in contact with the end of the wire and adapted to be engaged securely by the end of the wire, whereby a pull on said first-named part will cause said wire to jam in the bore and hold against withdrawal.

2,079,989
GEAR-CASE CLEANING APPARATUS
James K. Delano, New York, N. Y.
Application February 9, 1934, Serial No. 710,503
7 Claims. (Cl. 184—1.5)

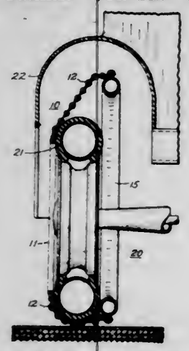
1. In an apparatus for cleaning crank-cases through their drain openings, the combination with a tubular casing divided into an upper liquid

storage and cleaning chamber, and a lower pumping and control chamber and having a liquid heater and a combined telescoping liquid injecting and draining device attached to the top of said casing and adapted to be adjusted in operative relation with the drain opening of the crank-case, of means for conveying the liquid from the storage chamber through the



heater, means for forcing the heated liquid into the crank-case, means for conveying the liquid from the crank-case back to the liquid storage chamber, means for removing sediment and dirt from the liquid during its passage from the drain opening to the heater, and means for heating the liquid before each injection into the crank-case.

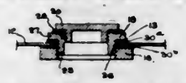
2,079,990
ANTISKID DEVICE
Frank R. Edgarton, Pittsburgh, Pa.
Application December 27, 1935, Serial No. 56,345
10 Claims. (Cl. 152—14)



5. An antiskid device for a vehicle wheel comprising, in combination, a substantially inextensible outside member, an inside endless inflatable circular member, and means interconnecting said members and disposed to extend over the wheel.

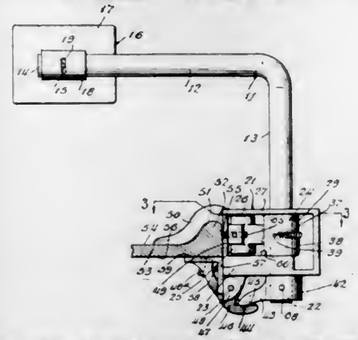
2,079,991
BUSHING FOR DRUMS
Charles E. Farrington, Phoenixville, Pa.
Application June 1, 1935, Serial No. 24,485
4 Claims. (Cl. 285—50)

1. In a reconditioned drum of the character described, having a perforation in a wall thereof, an interiorly threaded split annulus adapted to be manipulated into flatwise engagement with the inner surface of said perforated wall, and an exteriorly threaded bushing engageable with said annulus and having a radial flange adapted to overlie the outer surface of said drum marginally



surrounding said perforation, said flange coacting with said annulus to clamp therebetween the portion of the drum wall marginally surrounding the perforation therein.

2,079,992
LOCKING DEVICE FOR MOTOR VEHICLES
Julio Gonzalez, Jersey City, N. J., assignor of one-half to Matthew A. Greenberg
Application January 21, 1936, Serial No. 60,084
18 Claims. (Cl. 188—32)



1. A locking device, comprising a bent arm having one end adapted to extend across the path of a wheel or other object to stop the same, a curved member carried by said arm at the opposite end thereof and rotatable along with said arm, a locking member adapted to engage said curved member to lock the same, a casing enclosing said curved member and said locking member, and means carried by said casing for attaching the same to a support adapted to carry said object.

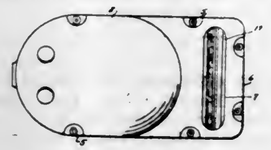
2,079,993
PROCESS OF TREATING PAPER
Thomas Hans, Chicago, Ill.
No Drawing. Application January 11, 1934, Serial No. 706,289. Renewed September 24, 1936
7 Claims. (Cl. 91—68)

4. The method of treating paper to render it water repellent comprising thoroughly mixing together thirty parts by weight of a cellulose pulp paper stock, forty-five parts caustic soda, three hundred parts water and ninety parts of a vegetable oil selected from the group consisting of drying, semi-drying and non-drying oils, cooling and thoroughly mixing thirty parts of carbon bisulphide, letting stand until all fibers of paper pulp disappear, adding sufficient water forming a complete viscose and coating therewith paper to be treated.

2,079,994
VIBRATORY THERAPEUTIC DEVICE
Frederick A. Hickernell, Maricopa County, Ariz.
Application November 20, 1935, Serial No. 50,759
3 Claims. (Cl. 128—49)

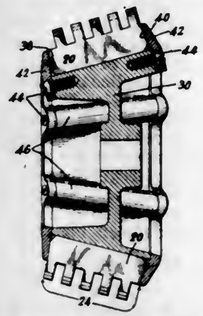
1. A vibratory therapeutic device comprising, in combination, an applicator bar having grooves

adapted to receive and grip the finger tips, toothed rotor disks positioned on opposite lateral sides thereof coacting with portions of said bar to produce lateral reciprocating movement, means for



rotating said rotor disks at a predetermined speed, supporting means including a case having guide ways to confine the motion of said applicator bar to a movement lateral to said grooves therein.

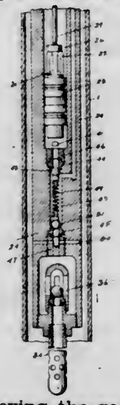
2,079,995
ABRASIVE TOOL
Albert A. Hodgkins, Leonia, N. J., assignor to Surfacing Wheel Corporation, New York, N. Y., a corporation of Delaware
Application January 29, 1934, Serial No. 708,716
2 Claims. (Cl. 29—78)



1. In a rotary tool of the character described, a rotary member provided with a plurality of radially disposed grooves, in combination with a laminated blade seated in each of said grooves, each blade comprising a plurality of flexible laminations, the outer edge of each lamination being castellated to form a plurality of spaced teeth with their working edges in a common line, the corresponding teeth of the several laminations in each blade varying in height and being arranged so that the teeth are progressively shorter in the direction opposite to that of the rotation of the rotary member, and locking means engageable with the ends of the several laminations and with the rotary member, for securing the several blades in operative position in their respective grooves, the ends of the laminations being provided with means for engaging with said locking means.

2,079,996
HYDRAULIC WELL PUMP
Granville A. Humason, Houston, Tex.
Application January 20, 1936, Serial No. 59,872
3 Claims. (Cl. 103—46)

1. A hydraulic pump comprising pumping mechanism shaped to be located in a well, a cylinder, a plunger in the cylinder connected to, and effective to operate, the pumping mechanism, the pump having two conduits, one for a column of operating fluid and the other for a column of pumped liquid, the conduit for the operating fluid being connected into the cylinder beneath the plunger whereby the plunger may be elevated by the pressure of the operating fluid,

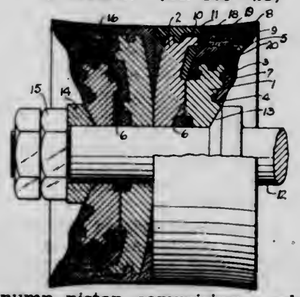


and means for relieving the gas under pressure in the well with the pumped liquid.

2,079,997
PROCESS OF TREATING TOBACCO
Emerson Fletcher Lyford, Newtonville, Mass., assignor to Chemical Extraction Corporation, Elkton, Ky.
No Drawing. Application August 7, 1934, Serial No. 738,828
2 Claims. (Cl. 87—28)

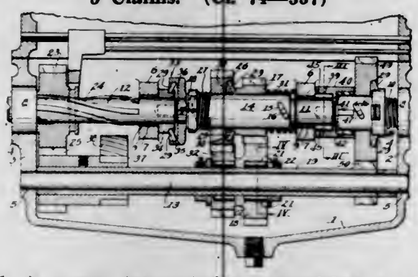
1. A process of treating denicotinized tobacco for removing the organic salts therefrom which comprises subjecting the tobacco to live steam with a temperature high enough to make the vegetable albumen in the tobacco insoluble in water, then subjecting the tobacco to boiling water and then drawing off the water for subsequent processing the steam and boiling water treatment being applied while the tobacco is being agitated.

2,079,998
PUMP PISTON
Herbert William Millmine, Houston, Tex.
Application January 12, 1934, Serial No. 706,345
3 Claims. (Cl. 309—23)



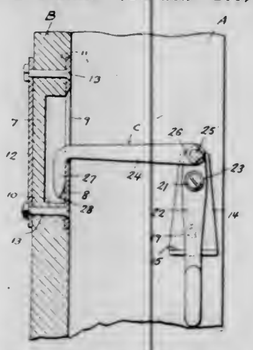
1. A pump piston comprising a plurality of circular plates of rigid material having axial openings to fit upon a piston rod, a body of rubber enclosing said plates and adapted to seal against a cylinder wall, in combination with bands of flexible woven steel embedded in said body and outside said plates to reenforce said rubber and prevent undue expansion thereof, there being a plurality of said bands radially spaced and sequentially axially displaced in overlapping relation, those farthest from the end of said piston being largest in diameter.

2,079,999
MOTOR VEHICLE TRANSMISSION
Bruce D. Woolley, Johnstown, Ohio
Application September 16, 1935, Serial No. 40,663
5 Claims. (Cl. 74—337)



1. A power transmission comprising a plurality of longitudinally aligned shafts, a counter shaft extending parallel to said shafts and spaced therefrom, a spring pressed sleeve carried by one of said shafts, a pin carried by the shaft supporting said sleeve, said pin extending into an angular slot formed in said sleeve whereby relative rotative movement between said sleeve and shaft will cause limited longitudinal movement therebetween, gear members carried by said sleeve and shafts, clutch means coupling one of said gears for rotation with the sleeve supporting it, said clutch being actuated by longitudinal movement of said sleeve in response to spring pressure, and complemental gears carried by said counter shaft in meshing relationship with the gear members carried by said sleeve and shafts.

2,080,000
HOOK LATCH FOR SLIDING DOORS
George W. Apple, Waldron, Ind.
Application May 27, 1935, Serial No. 23,785
1 Claim. (Cl. 292—100)



A door fastener comprising an oblong plate having a flat body portion adapted to be anchored to one face of a door, one edge across the minor dimension of the plate being upturned perpendicular to the flat body portion and notched in the center to provide an integral notched locking flange, the free edges of the flange on each side of the notch declining toward the edges of the major dimension, a straight lever of greater length than the plate and pivoted intermediate its ends to an intermediate portion of the plate so that the sweep of the outer end describes an arc located outwardly of the locking flange on the plate, said outer end of the lever formed with an operating handle and a portion adjacent thereto having wiping engagement with the said declining edges and seating in said notch of the flange in one position, a latch member formed with a hook on one end adapted for engaging a keeper plate and the other end of the latch member pivoted to the inner end of the lever in eccentric relation to the lever pivot.

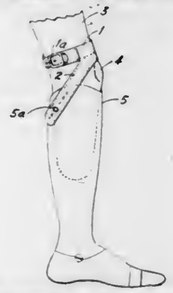
2,080,001
WELDING CHROMIUM ALLOY STEELS
Frederick M. Becket, New York, and Russell Franks, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application July 6, 1935, Serial No. 30,160
10 Claims. (Cl. 113—112)

1. A method of uniting adjacent edges of ferritic steel articles substantially free from columbium and containing about 2% to 30% chromium and up to about 0.3% carbon, which comprises depositing between said edges molten weld filler metal composed of low carbon chromium ferritic steel and introducing columbium into said molten weld filler metal.

2,080,002
REENFORCED RUBBER ARTICLE
John L. Bitter, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 6, 1934, Serial No. 738,690
4 Claims. (Cl. 106—23)

1. A rubber article having embedded therein strengthening threads of an artificial silk of the group consisting of regenerated celluloses, cellulose esters and cellulose ethers, said threads containing from about 10 to 20% of a finely divided carbon black calculated on their cellulose content.

2,080,003
SUPPORT FOR ARTIFICIAL LOWER LEGS
Emmett Blevens, Louisville, Ky.
Application February 21, 1936, Serial No. 65,126
1 Claim. (Cl. 3—11)

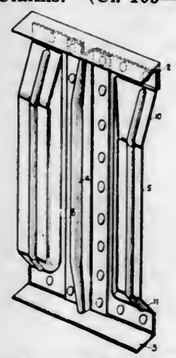


In the adjustment and retention of an artificial lower leg to the stump of a natural leg,—the combination with an artificial lower leg having a socket in its upper end adapted to receive the stump of a leg-amputation and provided with means at its upper back part for the attachment of retaining straps on either side thereof; of a leg-belt adapted to fasten securely around the natural leg just above the knee-joint thereof and provided with two retaining straps designed to be attached to the front part of said belt and to pass downward and backward, fitting smoothly over either side of the natural knee-joint to be fastened to the upper back part of said artificial leg, as described, to prevent it from turning on the stump of the natural leg and to hold the artificial leg otherwise securely in its normal service position to the exclusion of auxiliary attachments.

2,080,004
DOUBLE SALT OF COPPER ARSENITE AND A COPPER SALT OF AN UNSATURATED FATTY ACID AND PROCESS OF MAKING THE SAME
Frederick E. Dearborn, Washington, D. C., dedicated to the free use of the Public
No Drawing. Application May 17, 1933, Serial No. 671,568
8 Claims. (Cl. 260—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370. O. G. 757)

1. A new compound of the general formula $3CuAs_2O_4.CuOR$ in which R is the anhydride of a monocarboxylic acid of the general formula $C_nH_{2n-2}O_2$.

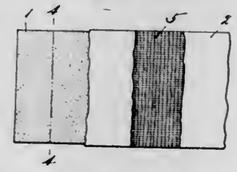
2,080,005
WALL PANEL FOR RAILWAY CARS
Garth G. Gilpin, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware
Application June 3, 1935, Serial No. 24,727
3 Claims. (Cl. 105—409)



1. A wall for an open top railway car of the dumping type comprising an upper chord, a lower chord, spaced apart stakes connecting said chords and a wall sheet having its entire central part positioned in a plane near the outer faces of the stakes connected by flanges to the stakes and chords, said sheet formed with outwardly projecting substantially vertical corrugations with their opposite ends merging into the wall sheet adjacent said upper and lower chords whereby the corrugations stiffen and protect the wall sheet but do not interfere with the discharge of lading from the car.

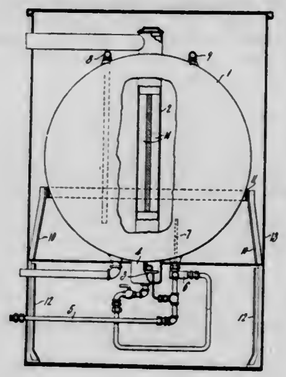
2,080,006
METHOD OF MAKING BOX CORNER STAY STRIPS
Patrick T. Jackson, Cambridge, Mass., assignor to American Reenforced Paper Company, Attleboro, Mass., a corporation of Massachusetts
Refiled for abandoned application Serial No. 703,553, December 22, 1933. This application December 13, 1935, Serial No. 54,187
5 Claims. (Cl. 154—2)

1. That improvement in methods of making composite reenforced material for box corner stay strips, which consists in first shrinking a paper strip before assembling with the other paper strip by applying a gum to one surface of a paper strip and permitting the gum to set or become substantially dry under the application of heat, then assembling therewith an ungummed paper strip and a series of reenforcing elements



adjacent the ungummed surface of the gummed paper strip, and securing the two strips of paper face to face by a waterproof adhesive with the reenforcing elements embedded in the adhesive between the two paper strips.

2,080,007
WATER HEATER
Herbert J. Long, Springfield, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Application April 18, 1936, Serial No. 75,076
2 Claims. (Cl. 122—156)

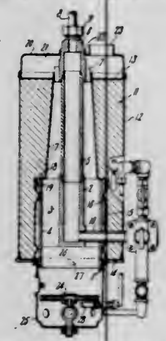


1. In a water heater, a storage tank, a flue extending therethrough and in direct contact with the liquid contents of said tank throughout substantially the length of the tank, means to heat the internal surface of said flue, the upper interior wall of said tank curving outwardly and downwardly from said flue and the lower interior wall of said tank curving outwardly and upwardly from said flue to provide a smooth continuously curving surface free from obstruction to the convection currents set up around said flue.

2,080,008
WATER HEATER
Herbert J. Long, Springfield, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Original application June 27, 1936, Serial No. 87,703. Divided and this application October 10, 1936, Serial No. 104,953
3 Claims. (Cl. 122—322)

1. In a water heater, a heat insulating jacket structure, a heating unit separate from said jacket structure and adapted for detachable insertion within said jacket structure, a burner as-

sembly enclosed in a cup shaped combustion chamber and means for detachably supporting



said combustion chamber from the lower end of said heating unit.

2,080,009

PLASTER WALLBOARD AND METHOD OF MAKING IT

Carlisle K. Roos, Fort Dodge, Iowa, assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

No Drawing. Original application January 19, 1925, Serial No. 3,477, which is a continuation of application Serial No. 733,197, August 20, 1924. Divided and this application October 16, 1926, Serial No. 142,155

18 Claims. (Cl. 154—2)

1. The process of producing cellular cementitious products which comprises making a fine-grained foam from a solution containing foam-producing agents, thereupon stabilizing said formed foam by the addition of organic colloidal stabilizing agents, then adding said stabilized foam to a slurry of gauging fluid and cementitious substance, and then molding the resultant mixture.

2,080,010

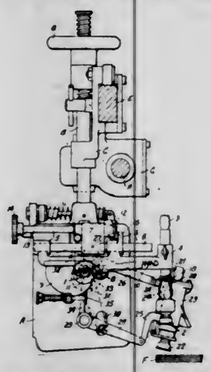
SHEET FEEDING APPARATUS FOR PRINTING MACHINES

Tom Rowlands, Timperley, and John Shuttleworth, Sale, England, assignors to Linotype and Machinery Limited, London, England

Application February 27, 1936, Serial No. 66,094

In Great Britain February 28, 1935

5 Claims. (Cl. 271—26)



1. In apparatus for separating sheets from a pile and advancing each sheet beneath a preceding sheet towards a printing machine, the combination of two sheet-separating suction feet near the rear edge of the pile operable to raise the uppermost sheet of the pile, two sheet-feeding suction feet near the separating feet adapted to take each sheet from the sheet-separating feet, means adapted to reciprocate the sheet-feeding feet above the pile in one horizontal plane from and to the position in which it receives the sheets, and means adapted to vary the extent of reciprocation of at least one sheet-feeding foot independently of the other.

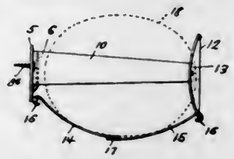
2,080,011

CHEMICAL FIRE EXTINGUISHER HOLDER

James E. Rumfield, Henderson, Tex.

Application June 2, 1936, Serial No. 83,112

3 Claims. (Cl. 169—26)



1. A fire extinguishing bomb holder comprising a wall plate, a struck out portion bent to define a hook on the wall plate, a bomb encircling band having a portion thereof disposed between the hook and plate for supporting the band in substantially horizontal position, and a thermostatically releasable support mounted beneath the band for supporting a bomb within the confines of the band.

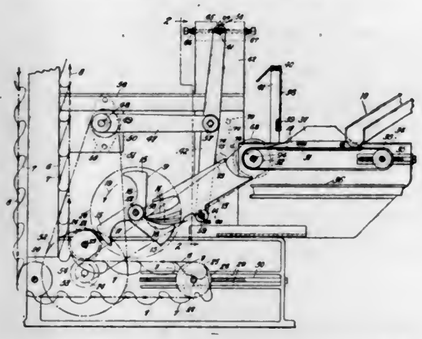
2,080,012

PLASTIC HANDLING MACHINERY

Sigmund Schiff, Cincinnati, Ohio, assignor to The J. H. Day Company, Cincinnati, Ohio, a corporation of Ohio

Application April 1, 1935, Serial No. 14,097

15 Claims. (Cl. 198—26)



2. Plastic handling machinery comprising in combination, a succession of receivers for conveying lumps of plastic, a feeding means for the lumps, and an intermediate pick-up and deposit unit for timing the deposition of fed lumps into successive ones of the receivers, said intermediate unit comprising an oscillating cradle and a basket oscillatable therewith in position to receive the lumps advanced by the feeding means, and means for oscillating the cradle lengthwise of the basket.

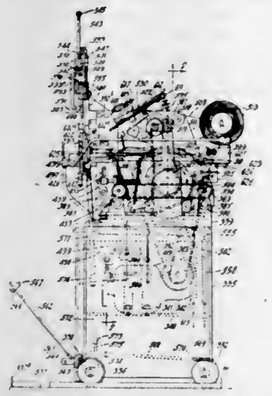
2,080,013

APPARATUS FOR WRAPPING TIRE BEADS

Florain J. Shook, Akron, Ohio, assignor to National-Standard Company, Niles, Mich., a corporation of Michigan

Application June 1, 1934, Serial No. 728,557

43 Claims. (Cl. 117—1)



1. In apparatus for making tire beads consisting of a strand of bead-making material wound to circular form, a wrapping unit comprising means for receiving a tire bead and feeding it longitudinally about its own axis to a determinate angular position with relation to the ends of the strand of material, and means for applying binder tape to the bead after it is so positioned.

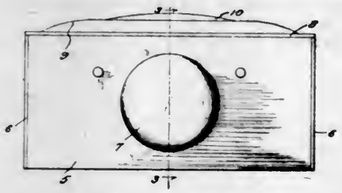
2,080,014

ANNEALING BOX

Burd Reed Smith, Sharon, Pa., assignor to The Petroleum Iron Works Company of Ohio, Sharon, Pa., a corporation of Ohio

Application February 25, 1936, Serial No. 65,693

9 Claims. (Cl. 263—49)



1. An annealing box having a normally outwardly dished top plate, the dish having an outward bilge formed wholly within the marginal limits thereof effective in service as an expansion joint to relieve conditions tending to collapse of the top.

2,080,015

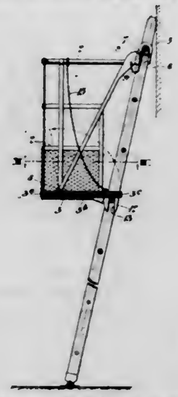
SAFETY DEVICE

John Sneddon, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey

Application January 30, 1936, Serial No. 61,624

1 Claim. (Cl. 304—10)

A safety device comprising an open-sided cage, hooks on the upper and lower ends of the open side of said cage, whereby said cage may be supported by a ladder, a hinged floor in the bottom of said cage, and an extension on said hinged floor, said extension being adapted to rest upon that rung of said ladder which is engaged by the



hooks on the lower ends of the open side of said cage.

2,080,016

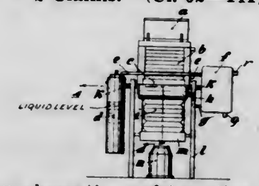
ABSORPTION REFRIGERATING MACHINE

Louis Stark, Vienna, Austria, assignor of one-half to Adolf Pollak-Rudin, Vienna, Austria

Application November 22, 1933, Serial No. 699,244

In Austria December 1, 1932

2 Claims. (Cl. 62—141)



2. In an absorption refrigerating machine for liquids, especially milk, a rigidly mounted pre-cooler, a rotatable unit comprising a boiler-absorber, condenser and evaporator-surface cooler rigidly connected together, means for mounting said unit for rotation between a vertical and a horizontal position, and means for distributing a liquid over the surfaces of the pre-cooler and evaporator-surface cooler when the latter is in its vertical position.

2,080,017

PHOTOGRAPHIC DEVELOPER CONTAINING AN ANTIFOGGING AGENT

Cyril J. Staud and Merle L. Dundon, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application July 5, 1935, Serial No. 29,971

6 Claims. (Cl. 95—88)

1. A photographic developer containing an iodo substituted saturated aliphatic carboxylic acid containing less than nine carbon atoms, in an amount sufficient to decrease fogging during development.

2,080,018

MAGNETIC ROTOR

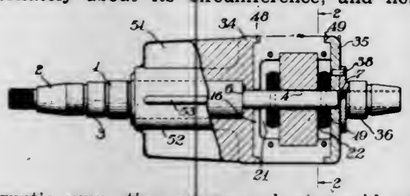
Tullio Tognola, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application February 27, 1936, Serial No. 66,076

7 Claims. (Cl. 171—209)

1. In a magneto rotor a shaft, an integral multi-polar magnet, pole shoes of highly permeable

material formed in pairs embracing said magnet alternately about its circumference, and non-



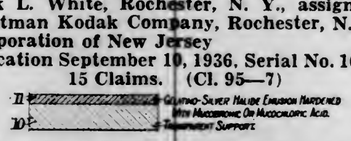
magnetic supporting means anchoring said pole shoes and magnet to said shaft.

2,080,019

HARDENING PHOTOGRAPHIC EMULSION

Frank L. White, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 10, 1936, Serial No. 100,137
15 Claims. (Cl. 95—7)



1. A photographic element comprising a gelatin layer containing as a hardening agent a halogen-substituted aldehyde acid compound.

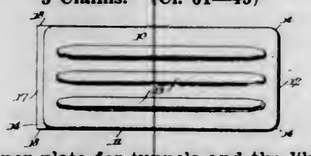
3. A photographic element comprising a gelatino-silver halide emulsion layer containing as a hardening agent a halogen-substituted aldehyde acid compound.

2,080,020

TUNNEL LINING

Arthur E. Wilkoff, Niles, Ohio, assignor to Youngstown Steel Car Corporation, a corporation of Ohio

Application August 21, 1934, Serial No. 740,813
3 Claims. (Cl. 61—45)



1. A liner plate for tunnels and the like comprising a body portion, a continuous integral flange extending along the sides and ends of the body portion, the metal adjoining the side and end flanges being rounded to facilitate the drawing of said flanges, said rounded portions coacting to provide openings at the corner junctures when a plurality of plates are assembled together, means for connecting adjacent flanges of adjoining liner plates together and flange means on one of the end flanges and extending therefrom to underlie the end flange of an adjoining liner plate over the entire width thereof to prevent seepage of material through the openings at the corner junctures between said plates.

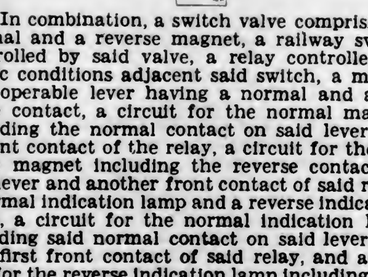
2,080,021

MOTION PICTURE APPARATUS CONTROL MECHANISM

Otto Wittel, Rochester, N. Y., assignor by mesne assignments to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application February 16, 1935, Serial No. 6,860
14 Claims. (Cl. 88—17)

1. In a motion picture apparatus, the combination with a film moving mechanism including a movable member which is adapted to be engaged to stop the operation of said mechanism, blocking means including a stop member movable into engagement with said movable member to stop said film moving mechanism, and a control member for moving said blocking means to move said stop member into and out of engagement with said movable member of the film moving mechanism, of an intermediate means for normally causing movement of said blocking means with said control member and including a resilient element which may be compressed to permit movement of said stop member into engagement with said movable member independently of said control means and to stop said mechanism.



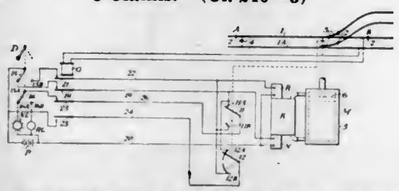
13. In a motion picture camera, the combination with a film magazine provided with an aperture and having a closure member slidably movable to closed and opened positions with respect to said aperture, a casing for containing said film magazine, and a cover for enclosing said magazine within said casing, of a latching means between said cover and said casing, including a bar slidably mounted upon said casing and movable to a locking position and to an unlocking position with respect to said cover, and including a jaw on said bar for detachably engaging the closure member on said magazine only when said magazine is within said casing.

2,080,022

CONTROL AND INDICATION OF RAILWAY SWITCHES

Willard A. Wood, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application March 22, 1935, Serial No. 12,470
5 Claims. (Cl. 246—3)



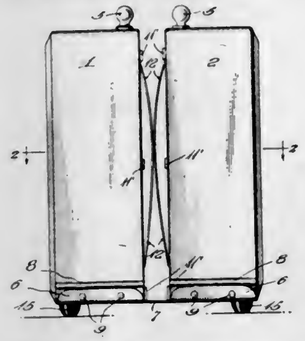
1. In combination, a switch valve comprising a normal and a reverse magnet, a railway switch controlled by said valve, a relay controlled by traffic conditions adjacent said switch, a manually operable lever having a normal and a reverse contact, a circuit for the normal magnet including the normal contact on said lever and a front contact of the relay, a circuit for the reverse magnet including the reverse contact on said lever and another front contact of said relay, a normal indication lamp and a reverse indication lamp, a circuit for the normal indication lamp including said normal contact on said lever and said first front contact of said relay, and a circuit for the reverse indication lamp including said reverse contact on said lever and said other front contact of said relay.

2,080,023

COMBINED NAPKIN DISPENSING CASE AND MENU CARD HOLDER

Evangelos Zakos, Brooklyn, N. Y., assignor to Zakos Menu Holder & Napkin Holder, Inc., New York, N. Y., a corporation

Application December 3, 1936, Serial No. 114,040
3 Claims. (Cl. 312—50)



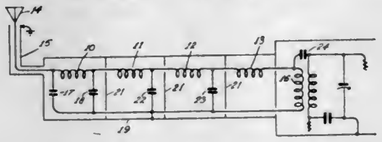
1. A device of the character described comprising a pair of napkin dispensing cases placed back to back in juxtaposition, a unitary bottom for said cases, and resilient means secured to the back of each case, the resilient means of one case cooperating with the resilient means of the other case to form a menu holding means.

2,080,024

FILTER

Raymond S. Yoder and Raymond E. Wood, Chicago, Ill., assignors to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

Application January 22, 1935, Serial No. 2,904
4 Claims. (Cl. 250—20)



2. In a filter unit for radio systems, an enclosing shielding container, an inductance coil insulatingly mounted in said container and comprising a single piece of wire wound in the form of two flat spirals compressed together for mounting in a shallow insulating casing, shunt condensers connected to said coil, and means for connecting said unit into the radio receiver circuit.

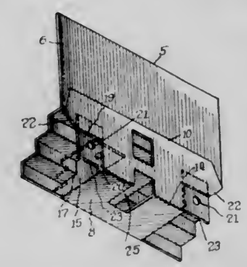
2,080,025

FOLDING DISPLAY

Henry A. Ziemmerman, Chicago, Ill., assignor to Chicago Cardboard Company, Chicago, Ill., a corporation of Illinois

Application May 6, 1935, Serial No. 19,908
11 Claims. (Cl. 248—174)

1. A folding sheet display comprising an upright display plate, connected base, display and back portions, the latter attached at its outer edge to the lower rear portion of the plate, a locking member hinged at the end of the base and movable upwardly to engage below the display portion to hold it distended, and a locking tab hinged at the end of the member and movable at an angle thereto within the back portion



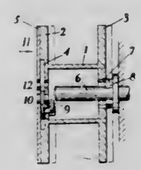
and in the plane of the display plate to hold the member in upright distending position.

2,080,026

ROLL CARRIER FOR PHOTOGRAPHIC STRIP FILM

Hermann Friedrich Albrecht, Berlin-Friedrichshagen, Germany, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application July 17, 1935, Serial No. 31,795
In Germany October 25, 1934
10 Claims. (Cl. 242—71)



1. In a roll carrier for photographic strip film, in combination, a hub upon which the film is wound and having an aperture in at least one end, and means whereby the aperture is automatically obstructed after a hub support in a camera has once been inserted into and withdrawn from the said aperture.

2,080,027

CONVEYER POLE FOR DRYING MACHINES AND THE LIKE

Thomas Allsop and Walter W. Sibson, Philadelphia, Pa., assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 11, 1934, Serial No. 720,028
11 Claims. (Cl. 34—20)



1. A conveyer pole for drying machines and the like comprising a number of cylindric unitary sections of non-metallic material arranged end to end; interengaging collars uniting the several sections in axial alignment; and means to hold the sections assembled against endwise separation.

2,080,028

PROCESS FOR PRODUCING SPONGE IRON

Julian M. Avery, Greenwich, Conn., assignor, by mesne assignments, to Arthur D. Little, Incorporated, Cambridge, Mass., a corporation of Massachusetts

No Drawing. Application October 4, 1934, Serial No. 746,843
6 Claims. (Cl. 75—34)

1. Method of producing sponge iron which comprises mixing lump iron oxide with a substantial proportion of lump inert non-carbonaceous refractory material, and passing a hot reducing gas through the mixture.

2,080,029

AMUSEMENT APPARATUS

John N. Bartlett, Tonawanda, N. Y.

Application December 15, 1934, Serial No. 757,688
12 Claims. (Cl. 104—68)



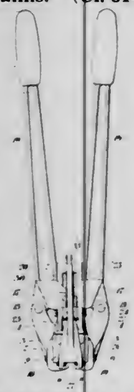
1. An amusement apparatus, comprising a substantially circular, laterally-inclined trackway, and a plurality of dirigible passenger carriers adapted to traverse the trackway and flexibly and resiliently interconnected with one another to form a closed loop to move as a unit about said trackway.

2,080,030

TOOL

Bruce N. Bletso and Clarence O. Carlson, Cleveland Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application January 16, 1936, Serial No. 59,470
2 Claims. (Cl. 81—9.1)



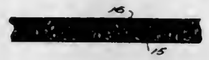
1. A device for applying a U-shaped fastener element having a plurality of apertures, comprising a housing, a pair of jaw members pivotally mounted on said housing, means on the lowermost extremities of said jaw members for causing said fastener element to tightly embrace the object to which it is to be applied, a die secured to the inner face of each of said jaw members, means for operating said jaw members, and means operable by said last named means for positioning the fastener element between said dies.

2,080,031

FIBERBOARD

James N. Devereux, Greenville, Miss.; Margaret Devereux, administratrix of James N. Devereux, deceased, assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Original application January 23, 1933, Serial No. 653,166. Divided and this application August 4, 1933, Serial No. 683,659
5 Claims. (Cl. 92—3)



1. A fiber board comprising a body mass of relatively coarse cellulosic fibers and a thin skin-like surface portion of finer fibers of the same kind of cellulose, said surface portion also containing adhered to and interspersed with said fibers an amount of precipitated size greatly exceeding that adhered to the coarser fibers in the body of the board.

2,080,032

NONALCOHOLIC BEVERAGE

Frederick Lyle Douglas, Barrie, Ontario, Canada

No Drawing. Application August 3, 1935, Serial No. 34,600
3 Claims. (Cl. 99—74)

1. An alkaline reacting natural or preserved fruit juice beverage containing fruit juice, glucose and calcium glycerophosphate in approximately the following proportions:

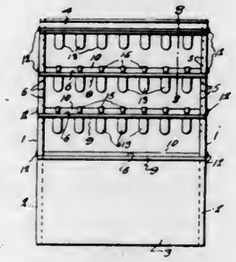
	Parts
Fruit juice	16
Mineralized glucose containing 2% calcium glycerophosphate	12.8

2,080,033

SHOE DISPLAY STAND

Serene M. Durling, El Paso, Tex.

Application July 30, 1936, Serial No. 93,471
4 Claims. (Cl. 211—36)



1. A shoe display stand comprising a pair of vertical side bars, spaced shelves extending between said side bars, said shelves including upstanding members on their rear edges, and substantially rigid fingers mounted beneath the shelves and depending therefrom and engageable in shoes on the subjacent shelves for releasably securing said shoes in position, said fingers including rearwardly offset, upstanding clamps frictionally engaged with the upstanding members on the shelves.

2,080,034

MIXED TERTIARY BUTYL ETHERS

Theodore Evans, Kensington Park, and Karl R. Edlund, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Original application February 9, 1935, Serial No. 5,854. Divided and this application June 20, 1936, Serial No. 86,336
3 Claims. (Cl. 260—151)

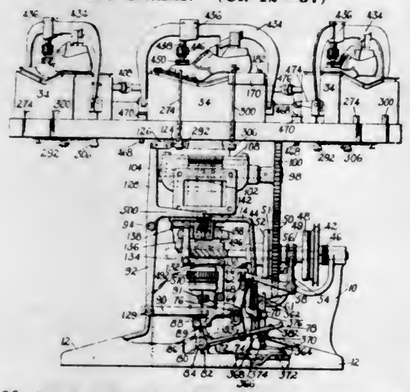
1. The mixed tertiary ether of the formula R—O—R', wherein R represents the tertiary butyl radical and —O—R' represents a branched chain alkoxy radical wherein R' is the alkyl radical of a butyl alcohol of the class consisting of secondary butyl alcohol and isobutyl alcohol.

2,080,035

MACHINE FOR PRESSING SOLES ON SHOES

Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application September 29, 1932, Serial No. 635,397
In Great Britain September 13, 1932
133 Claims. (Cl. 12—37)



129. In a cement sole attaching machine, a rotatable turret, a plurality of pads on the turret, shoe engaging means movable into and out of operative position over the respective pads, shoe and sole locating means movable into and out of operative position with respect to a shoe and sole on each pad, power-operated means for imparting partial rotations to the turret to present the pads in turn at an operating station, power means for relatively operating each pad and shoe engaging means to apply pressure to a shoe, and a treadle constructed and arranged to cause movement of the shoe and sole locating means in turn into operative position, movement of the shoe engaging devices in turn into operative position, to become disconnected therefrom, and then to set said power means in operation to apply pressure to the shoe and to rotate the turret.

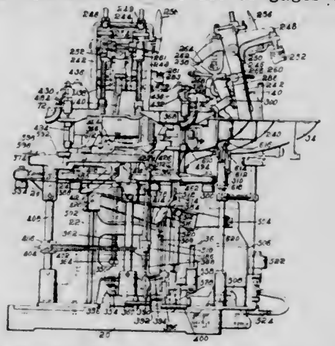
2,080,036

MACHINE FOR APPLYING PRESSURE TO SHOE BOTTOMS

Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application June 14, 1934, Serial No. 730,650
114 Claims. (Cl. 12—37)

111. In a machine for applying pressure to shoe bottoms, the combination of a turret, a plurality of pads on the turret, a set of shoe and sole gages for each of the pads, means for moving each set of gages out of operative position as the pad approaches an operating station, manually controlled means at the operating station for permitting operation of the set of gages at that station, means for controlling rotation of the turret, a swinging stop for preventing operation of said controlling means, and means operated by said manually controlled means for swinging the stop to permit operation of the means for controlling rotation of the turret.

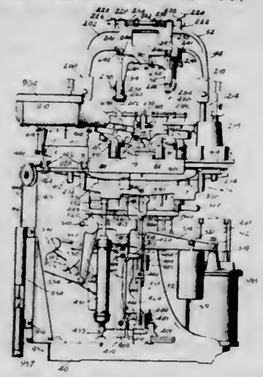


2,080,037

MACHINE FOR APPLYING PRESSURE TO SHOE BOTTOMS

Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application March 23, 1935, Serial No. 12,634
117 Claims. (Cl. 12—37)



1. A machine for applying pressure to shoe bottoms having, in combination, a supporting column, a turret mounted on the column, a plurality of pressure-applying devices carried by the turret, and means acting alternately against and with gravity for rotating the turret intermittently on the column to present the devices successively at an operating station and for actuating the pressure-applying devices.

2,080,038

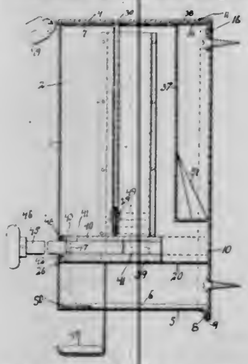
RAZOR BLADE VENDING AND COLLECTING CABINET

Clayton E. Frederickson, Chicago, Ill.

Application June 5, 1935, Serial No. 25,160
1 Claim. (Cl. 312—35)

In a vending cabinet, a metallic housing having a front wall, side walls, a top wall and a bot-

tom wall constituting an integral structure having an open back, an article magazine and an article vending mechanism located in said housing, a mounting plate constituting a closure for the housing, means to secure said plate to a support, said means passing through said mounting plate within the confines of the housing and being ac-



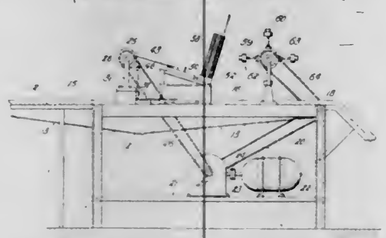
cessible only when the housing is removed, means removably locking the housing to said plate, and an L-partition in said housing adjacent one side thereof and adjacent the back thereof and constituting with said mounting plate a used-article receptacle, said housing having an opening leading to said used-article receptacle, all being arranged substantially as shown and described.

2,080,039

MACHINE FOR FEEDING AND APPLYING INSERTS TO CAN-COVER INSETS

Newton L. Eudaly and Harry Herman Vollner, Cincinnati, Ohio, assignors to The Drackett Company, Cincinnati, Ohio, a corporation of Ohio

Application July 2, 1935, Serial No. 29,540
9 Claims. (Cl. 113—1)



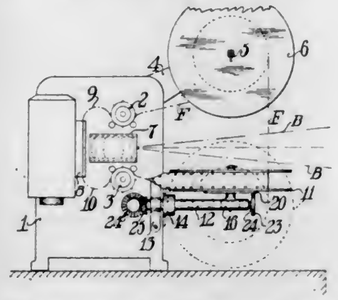
1. A machine for feeding paper inserts into insets in the covers of cans that are being moved by a conveyor, comprising the conveyor having equally spaced lugs between which the cans are seated, a means for actuating the conveyor, a cam synchronized with the conveyor, an intermittent clutch means actuated by the movement of each can, the cam being controlled by the clutch means, a means for stacking the inserts, a reciprocating knife actuated by the cam, the knife being adapted to engage and move the inserts from the bottom of the stack and deposit them upon the insets in the can covers, a rotary inserting means synchronized with the conveyor and comprising a circular hub, a plurality of arms positioned on the hub, an insert engaging means positioned on the extremity of the arms and adapted to align the inserts with the insets and then press the inserts into the insets.

2,080,040

MOUNTING FOR OVERSIZE REELS ON PROJECTORS

Edwin C. Fritts, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application October 12, 1935, Serial No. 44,758
5 Claims. (Cl. 242—55)



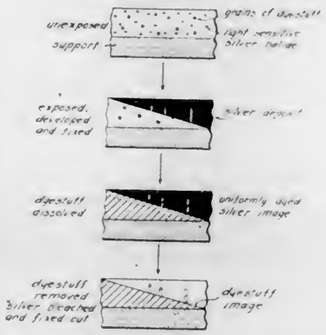
1. In a motion picture projector, a film advancing mechanism, a support for the supply reel of the film in a definite position at which the film can be drawn from the reel thereon by said film advancing mechanism, a support for the take-up reel capable of two positions relative to said definite position, a first position constituting the take-up position and at which the take-up reel thereon is at right angles to the supply reel on said definite positioned support, and a second position for said support at which the takeup reel thereon is in alignment with the reel on said first support for rewinding.

2,080,041

METHOD OF PRODUCING COLOR-PHOTOGRAPHIC IMAGES AND CINEMATOGRAPH FILMS AND LIGHT-SENSITIVE EMULSION THEREFOR

Belá Gáspár, Brussels, Belgium

Application March 21, 1935, Serial No. 12,254
In Germany March 29, 1934
8 Claims. (Cl. 95—6)



1. The method of producing photographic dyestuff images which comprises exposing a light sensitive silver halide emulsion layer, the said layer containing coarse grains of fast dyestuff coarsely dispersed in an emulsion which will transmit light rays for which the coarsely distributed dyestuff possesses absorption properties, fastly dyeing the emulsion layer at a point in the process after exposure by dissolving the coarsely dispersed coarse grains of dyestuff within the layer, developing the latent silver image and destroying the dyestuff locally proportionate to the metallic silver image.

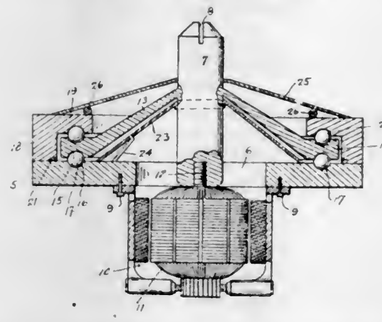
6. A light sensitive photographic material comprising a silver halide emulsion layer and coarsely dispersed coarse grains of fast dyestuff within the said emulsion, the layer being adapted to transmit light of the spectral range in which the dyestuff performs maximal absorption.

2,080,042

CREAM SEPARATOR

Edwin C. Gregory, New Harmony, Ind.

Application March 31, 1936, Serial No. 71,980
1 Claim. (Cl. 308—148)



A driving assembly for separator bowls comprising a substantially circular lubricant retaining chamber and having a peripheral wall formed with an internal groove a spindle extending centrally through said chamber and having intermediate its ends a conical formation terminating at its largest diameter in a flange spaced outwardly from the spindle and working within said groove, anti-friction means interposed between said flange and the top and bottom walls respectively of said groove, a motor support secured to the bottom of said chamber, said chamber at the bottom thereof having an opening to accommodate one end of said spindle, said spindle at the opposite end thereof being provided for the attachment of the bowl of the separator thereto, a motor mounted in said motor support and positively connected with said spindle for revolving the latter, a substantially conical shield disposed within said chamber over said opening and between the bottom of said chamber and the aforementioned conical formation, and a second conical shield disposed over the top of the chamber, and each of said conical shields having an opening in the apex thereof to accommodate said spindle.

2,080,043

FABRIC AND PROCESS OF PREPARING SAME

Winfield Walter Heckert, Ardentown, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 8, 1936, Serial No. 62,993
20 Claims. (Cl. 8—20)

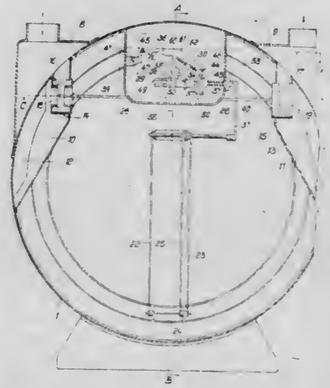
6. The process of making crush resistant pile fabrics which comprises reacting a regenerated cellulose pile of a pile fabric with formaldehyde, said pile fabric having a backing which is substantially non-reactive to formaldehyde.

2,080,044

REVERSING MECHANISM FOR DRY GAS METERS

Waldemar Holm, Furstenwalde-on-the-Spree, Germany, assignor to Julius Pintsch Aktiengesel'schaft, Berlin, Germany

Application August 6, 1936, Serial No. 94,710
In Germany August 22, 1935
2 Claims. (Cl. 73—270)



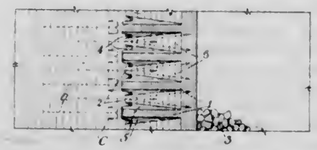
1. In a dry gas meter with one diaphragm adapted to carry out an excessive stroke and with two double seat valves provided with spindles, a reversing mechanism comprising a shaft actuated by the diaphragm, a guide lever on this shaft, a snap member on this guide lever, a second shaft, a tilting lever provided with two legs on said other shaft, a snap member on one of the legs of the tilting lever, adapted to cooperate with the snap member on the guide lever, a further shaft, a suspending lever on this shaft, means for operatively connecting the suspending lever with the guide lever, a reversing spring fastened on one end to the other leg of the tilting lever and on the other end to the suspending lever, means for transmitting the movement of the shaft of the tilting lever to the spindles of the double valves of the gas meter, and means for transmitting the excessive stroke of the diaphragm to the tilting lever.

2,080,045

METHOD OF AND APPARATUS FOR PROTECTING WATER CHANNELS

Grover J. Hornsby, Denver, Colo.

Application January 19, 1935, Serial No. 2,567
10 Claims. (Cl. 61—18)



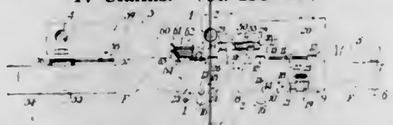
3. In apparatus for the protection of the beds of water channels, a rigid structure extending transversely of the channel and having an upstream portion whose upper surface alines with the adjacent bed of the channel, a plurality of dentils at the downstream portion of said structure, said dentils being spaced apart transversely and having inclined side walls defining a plurality of diffusion chambers which increase in cross-sectional area in the direction of water flow.

2,080,046

FILM SPLICING APPARATUS

Carter J. Hughey, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application November 29, 1935, Serial No. 51,983
17 Claims. (Cl. 154—42)



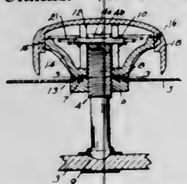
1. A film splicing apparatus comprising a base, a spindle mounted on said base for receiving the rolls of film to be spliced, a stationary film holding table and a movable film holding table mounted on said base in alignment with said spindle said movable table being slidable relative to said stationary table for abutment therewith but normally spring pressed therefrom, a take-up reel mounted on said base in alignment with said film holding tables and said spindle, an electric motor for driving said take-up reel, a switch mounted on said base for controlling said motor, a knife pivotally mounted on said base and co-operating with said film holding tables for simultaneously cutting film strips thereon when the tables are in normal position, means controlled by the position of said knife for sliding said movable table to and from abutting position with said stationary table, spring pressed film holding platens pivotally mounted adjacent said tables for holding film strips thereon, and suitable means for operating said switch to start and stop said motor when the film holding platen on the movable table is swung between its releasing and holding position relative to said movable table respectively.

2,080,047

PRESSURE ADJUSTING SCREW FOR WRINGERS

Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application December 5, 1933, Serial No. 701,003
3 Claims. (Cl. 68—32)



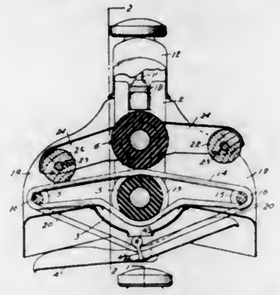
1. In a wringer, the combination of a frame comprising a base, side stiles and a top bar; wringer rolls mounted in the side stiles; a screw device mounted on the top bar, said screw device comprising a rotatable member and a non-rotatable member having co-operating screw threads, one member of the screw device extending through the top bar, the other member of said screw device being mounted on and held axially stationary relative to the top bar, means locking said non-rotatable member against rotation; means communicating pressure from said one member as it is actuated through the reaction of the said other member to the rolls; a handle connected and rotatively locked with the rotatable member; said handle being above the top bar and having means housing and concealing the portion of the screw device below the handle and above the top bar.

2,080,048

WRINGER

Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application December 5, 1933, Serial No. 701,004
11 Claims. (Cl. 68—32)



1. In a wringer, the combination of a frame; rolls mounted in the frame, one only of the rolls having circumferential grooves therein spaced at intervals along the central squeezing portion of the rolls, the rolls being normally in contact at each side of the groove; and a series of spaced belts operating in the grooves and extending through the bite of the rolls in driving relation to the walls of the grooves, said belts being adapted to feed clothes to the bite of the rolls on the face of the belts next the ungrooved roll.

2,080,049

PRODUCTION OF DYES OF THE CYANINE TYPE

John David Kendall, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company

No Drawing. Application April 27, 1936, Serial No. 76,703. In Great Britain August 3, 1934
5 Claims. (Cl. 260—44)

1. The process which comprises heating in the presence of an acid binding substance a heterocyclic nitrogen base of the type used in the production of cyanine dyes having in a position taken from the class consisting of alpha and gamma positions to a ring nitrogen atom an acylic nitrogen atom having at least one free hydrogen atom attached thereto, with an alkyl quaternary salt of a heterocyclic nitrogen base of the type used in the production of cyanine dyes, having a thioether group substituted in a position selected from the class consisting of alpha and gamma positions to the nitrogen atom, the first named heterocyclic nitrogen base being reacted with an alkyl salt at some stage of the process.

2,080,050

SENSITIZATION OF PHOTOGRAPHIC EMULSIONS

John David Kendall, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company

No Drawing. Original application April 27, 1936, Serial No. 76,703. Divided and this application September 9, 1936, Serial No. 99,965. In Great Britain August 3, 1934
7 Claims. (Cl. 95—7)

1. A photographic silver chloride emulsion in which is incorporated as a sensitizer a salt of the class consisting of cyazine, cyadiazine and carbocyazine.

2,080,051

MANUFACTURE OF ARTICLES FROM PLASTIC MATERIALS

Alfred Dominique Germain Landucci, Paris, France, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application March 15, 1935, Serial No. 11,316. In France December 13, 1934
15 Claims. (Cl. 18—57)

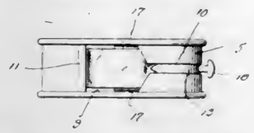
1. In the method of making plastic articles such as films, bands, threads and the like by depositing a solution of plastic material containing a solvent and a non-solvent on a suitable forming surface and coagulating the material by removing the solvent and non-solvent by an extracting agent, the step which comprises accelerating coagulation by bringing about a localization of non-solvent in that portion of the plastic material immediately adjacent to the forming surface by maintaining a wide differential of temperature between the forming surface and the extracting agent.

2,080,052

ADHESIVE TAPE BOX

Hager Lemaster, Bloomingdale, Ill.

Application February 4, 1936, Serial No. 62,348
2 Claims. (Cl. 206—52)



1. In a device of the class described, an annular casing provided with an opening in the wall thereof, and a slot extending from one end of the opening for a portion of the periphery of the casing, a spool removably fitted within said annular casing, a rolled strip upon the spool and adapted to be threaded outwardly of the casing through said opening, a curved knife plate arranged within said casing, a headed manipulating stud for said knife plate working in said slot, said knife plate having at opposite side edges integral flanges accommodated between the flanges of the spool and provided with arcuate edges accommodating the hub of the spool.

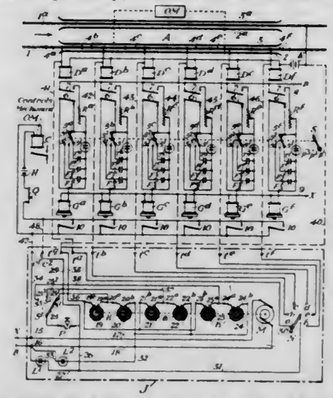
2,080,053

CAR RETARDER CONTROL APPARATUS AND TESTING MEANS THEREFOR

John W. Livingston, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application April 17, 1935, Serial No. 16,829
3 Claims. (Cl. 104—26)

3. In combination, a first relay, a timing relay controlled by said first relay in such manner that said timing relay will operate its contacts at the expiration of an adjustable time interval after said first relay becomes operated, the combination with the aforementioned instrumentalities of a test device comprising a first contact which becomes cyclically closed for a fixed time interval, a second contact which becomes closed simultaneously with said first contact and which subsequently remains closed for a time interval which is slightly shorter than the time interval that said first contact remains closed, a circuit for said first relay controlled by said first contact, two indication lamps, a circuit for one of said indication lamps controlled by a contact of said timing relay, and a circuit for the other



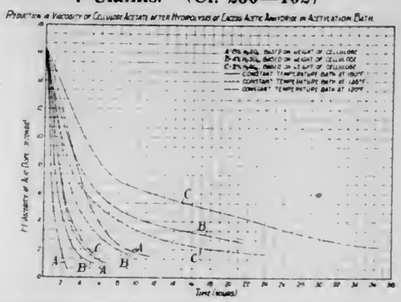
lamp controlled by a contact of said timing relay and said second contact connected in series.

2,080,054

PREPARATION OF ORGANIC ACID ESTERS OF CELLULOSE OF LOWERED VISCOSITY

Carl J. Malm and Howard S. Gardner, Jr., Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application December 7, 1935, Serial No. 53,390
7 Claims. (Cl. 260—102)



1. In the preparation of an organic acid ester of cellulose in which cellulose is esterified in a bath containing an excess of organic acid anhydride, an acylation catalyst and a solvent for the cellulose ester, the steps which comprise adding to the completed reaction mixture approximately just sufficient water to convert the remaining acid anhydride to the corresponding acid and then subjecting the mixture containing the cellulose ester to a temperature of 110–170° F. until the desired viscosity is obtained.

2,080,055

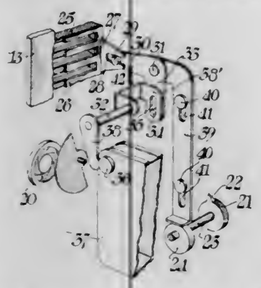
PHOTOMETRIC APPARATUS

Lawrence R. Martin, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application July 6, 1935, Serial No. 30,064
3 Claims. (Cl. 88—16)

1. In a photographic camera in which a light sensitive device determines the diaphragm setting, a light sensitive cell and means to vary the exposed area of the cell in accordance with two independent factors, said means comprising a

fixed grating, a grid movable between the grating and the cell, a pivot, an arm mounted on the pivot and having one end connected to the grid, means for rotating the arm about said pivot in accordance with one of said factors, said last



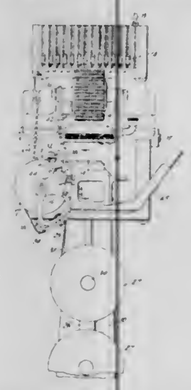
named means including a coupling whose mechanical advantage is dependent upon the position of said pivot, and means for adjusting the position of said pivot in accordance with the other of said factors.

2,080,056

TAPE PRINTING ATTACHMENT FOR LAUNDRY MARKING MACHINES

Charles F. Miller, Cincinnati, Ohio, assignor to The National Marking Machine Company, Cincinnati, Ohio, a corporation of Ohio

Application January 16, 1935, Serial No. 2,013
1 Claim. (Cl. 101—288)



A tape printing attachment for laundry marking machines of the class in which a type bearing head moves toward a platen, comprising a tape feeding roller fixed to the marking machine frame with its top surface approximately in the plane of the top surface of the platen, means for advancing the tape feeding roller a pre-determined distance upon each movement of the type bearing head, and a means for pressing a tape against the roller whereby the movement of the roller will advance the tape, said means comprising a spring fixed at one end to the frame and projected approximately in the plane of the top of the platen to a point spaced above the roller and out of engagement with a tape on the roller, and manually operable means applied to the central portion of the spring for forcing the free end of the spring toward the roller whereby the resiliency of the spring will yieldingly hold a tape into such contact with the roller that a rotation of the roller will advance the tape.

2,080,057

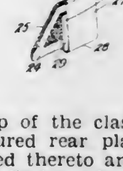
AROMATIC CONDENSATION PRODUCTS

Heinrich Neresheimer and Wilhelm Ruppel, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

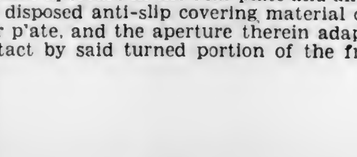
No Drawing. Application December 22, 1933, Serial No. 703,679. In Germany December 24, 1932

10 Claims. (Cl. 260—64)

5. Condensation products obtainable by causing an aromatic component containing one group X selected from the class consisting of the nitro- and nitroso group, the said component corresponding to the general formula



wherein one Y represents a member of the group consisting of hydrogen, halogen and alkoxy groups, the other Y represents a hydrogen atom, and wherein the Z's stand for a member of the group consisting of hydrogen, the grouping



and the grouping

R being CH or N, to react in the presence of an alkaline condensing agent with a compound selected from the class consisting of the aliphatic, aliphatic-aromatic and aromatic series, to one carbon atom of which are attached at least 2 hydrogen atoms, the said compound containing directly connected with the said carbon atom a grouping activating the said hydrogen atoms, the said grouping being selected from the class consisting of the carbonyl group, the nitrile group and the amidated and esterified carboxylic groups.

2,080,058

HOSE SUPPORTING ACCESSORY

Robert D. Parry, Cincinnati, Ohio, assignor of one-third to Wiley W. Osborne, Cincinnati, Ohio

Application June 10, 1935, Serial No. 25,801
2 Claims. (Cl. 241—1)



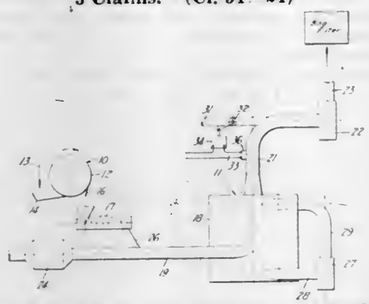
1. A garter clip of the class described comprising an apertured rear plate, a front plate hingedly connected thereto and having a rearwardly and upwardly turned portion providing a way for the reception of a stocking top and associated garter, said turned portion adapted for entry in the aperture in the rear plate and an exteriorly disposed anti-slip covering material over the rear plate, and the aperture therein adapted for contact by said turned portion of the front plate.

2,080,059

DRYING SYSTEM AND METHOD

David D. Peebles, Eureka, Calif.

Application September 24, 1932, Serial No. 634,738
3 Claims. (Cl. 34—24)



3. In a drying method characterized by the use of a desiccating chamber, introducing a stream of drying gas tangentially into said chamber, feeding divided material to be desiccated into said stream of gas and conveying the material by the stream of gas into the chamber, continuously diverting a stream of gas from one end portion of the chamber, adding kinetic energy to the gas so diverted and returning the same back into the other end portion of the chamber, and continuously removing gas together with entrained and desiccated material from a localized region near the central axis of the chamber and in a generally upward direction.

2,080,060

INTERLOCK JEWELRY

Oscar Frank Placco, Cranston, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York

Application December 31, 1935, Serial No. 56,937
8 Claims. (Cl. 63—2)



1. In combination, two ornaments having contiguous linear sides, metal strips on said sides, one strip having a projecting element, and the other strip having an opening for detachably receiving the projecting element, the ornament having said other strip being recessed adjacent said opening to receive the projecting element.

2,080,061

STRIP TENSIONING AND THREADING DEVICE FOR WRITING MACHINES

William A. Pringle, Niagara Falls, N. Y., and Charles J. Manuel, Dover, N. H., assignors to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware

Application May 10, 1935, Serial No. 20,848
19 Claims. (Cl. 282—12)

9. In an apparatus of the character described, in combination, a platen unit mounted upon the apparatus for movement to and from exposed position, strip tensioning and controlling unit movably mounted upon said platen unit for movement from normal operative position thereon into another position for convenient access for threading the strips therein, said strip controlling unit having a plurality of strip engaging, strip controlling elements mounted for movement in strip engaging position or into open position for threading the strips, an actuator plate movably mounted on said strip controlling unit, a crank arm connected to each of said strip controlling elements, an actuator cam for each said crank arm mounted on said actuator plate and cooperating respectively with the crank arms for operating the strip controlling elements, means for moving said actuator plate when said control unit is moved into its normal operative posi-



tion, thus to operate said controlling elements into strip controlling positions, means for moving said actuator plate in the opposite direction when said control unit is moved away from its normal strip controlling position into strip threading position, and operating members on said actuator plate positioned respectively adjacent to said cams and cooperating with the respective crank arms to open said controlling elements when said controlling unit is moved into threading position.

2,080,062

TORSION BALANCE

Henry Rainbow, The Hague, Netherlands, assignor to Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij, The Hague, Netherlands, a Dutch company

Application September 8, 1934, Serial No. 743,203
In the Netherlands September 13, 1933
8 Claims. (Cl. 265—1.5)



1. A torsion balance comprising a balance beam, a torsion suspension for said beam, a couple of weights carried by said beam, a substantially cylindrical housing for said beam, and a cylindrical member carried by said beam, the relation between the outer diameter of the said member and the inner diameter of said housing being such that the cylindrical member is adapted to move with little play in the cylindrical housing.

2,080,063

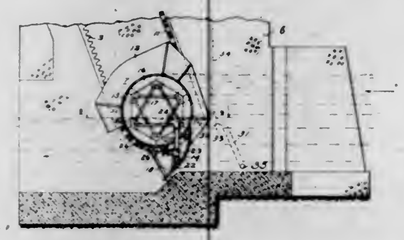
ROLLER GATE CONSTRUCTION

Joseph J. Ring, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application May 27, 1935, Serial No. 23,568
8 Claims. (Cl. 61—22)

1. In a hydraulic installation having a definite channel for the flow of water therethrough under

hydraulic head, water flow directing means extending across the channel, said means being required to be free from flow obstructions, a pipe having the inlet thereof connected with the channel upstream of and extending adjacent said



flow directing means, and a discharge nozzle connected with said pipe to convert the hydraulic head acting in said pipe into velocity to prevent freezing of water about said nozzle, said nozzle being located at a point adjacent said flow directing means to be kept free from ice.

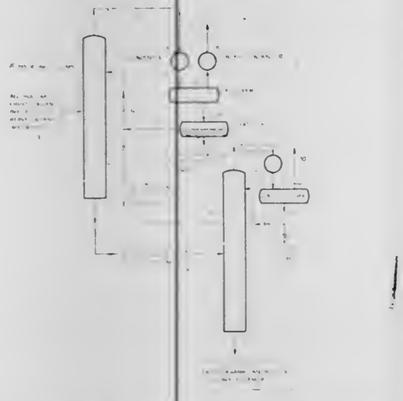
2,080,064

DISTILLATION PROCESS FOR THE PURIFICATION OF ALCOHOLS

Petrus Jurjen Roelfsema, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application October 25, 1935, Serial No. 46,739

14 Claims. (Cl. 202—39)



1. A process of producing a crude secondary alcohol obtained in the manufacture of secondary alcohol by absorption of the corresponding olefine in a mineral acid acting medium and hydrolysis of the resulting absorption product which comprises distilling said crude secondary alcohol to remove therefrom a top product comprising light organic impurities including polymer and substantially all the water contained therein and then distilling the bottom product substantially devoid of said light impurities and said light polymer to recover therefrom secondary alcohol in a substantially pure form but only distilling to that point where the second bottom product essentially consists of a mixture of heavy polymer and said alcohol which is substantially stable toward resinification under said distillation conditions whereby gumming up of the still is substantially avoided.

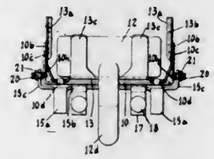
2,080,065

UNIVERSAL RECORDER PEN ASSEMBLY

Raymond W. Ross, Philadelphia, Pa., and Sigurd H. Seberhagen, deceased, late of Philadelphia, Pa., by Sophie Seberhagen, Philadelphia, Pa., executrix.; assignors to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 23, 1935, Serial No. 3,195

8 Claims. (Cl. 234—1)



4. A universal mounting assembly for a marker comprising a frame having an upstanding arm at each end, a substantially U-shaped marker-receiving and retaining clip adapted to be resiliently and detachably supported between said arms, the arms of said U-shaped clip extending beyond the arms of said frame to provide a manual grip for ready detachment, and a supporting member for said frame, said frame and said supporting member having cooperating means adapted to receive means for interconnecting them.

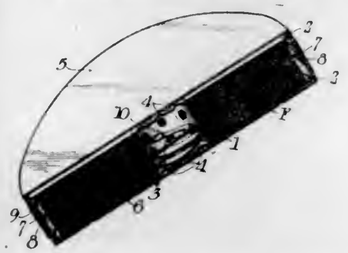
2,080,066

FILM PRESERVING PACKAGE

Samuel E. Sheppard and John J. Schmitt, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application October 31, 1933, Serial No. 696,012

6 Claims. (Cl. 206—62)



1. A photographic film package including photographically light sensitive material enclosed with a moisture stabilizing mineral gel having the properties of giving-up and absorbing moisture.

2,080,067

TRANSMISSION

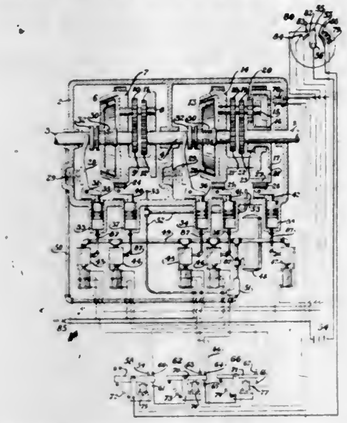
Matthew Stucatur, Philadelphia, Pa.

Application January 30, 1932, Serial No. 589,892

39 Claims. (Cl. 74—260)

1. Power transmitting mechanism comprising driving and driven members, a plurality of trains of transmission gears for operatively connecting the said driving and driven members at any one of a plurality of gear ratios, controlling means for engaging any one of the said plurality of trains of gearing and establishing operative connection between the said driving and driven members, and an electrical governor controlling the said controlling means, the said electrical

governor comprising means for producing a varying electric current and means responsive to the



said varying electric current for controlling the said controlling means.

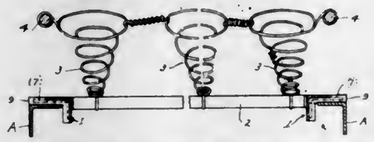
2,080,068

NOISELESS AND ANTISLIPPING PAD FOR BEDSPRINGS

Ralph Weisman, Detroit, Mich.

Application August 18, 1934, Serial No. 740,439

3 Claims. (Cl. 5—208)



1. In combination with a bed spring frame of angle-iron having a vertical side and a horizontal side extending outwardly therefrom and adapted to extend over a bed rail, an extension hook secured to and extending outwardly from the horizontal side of said frame, and a pad of friction and cushioning material fitted beneath said horizontal side and covering the outer end of said hook, said pad having also a recess in its surface receiving said hook.

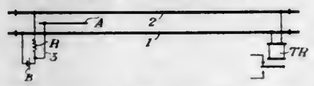
2,080,069

TRACK CIRCUIT APPARATUS

Harold G. Witmer, Pittsburgh, and Claude M. Hines, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 14, 1934, Serial No. 735,210

13 Claims. (Cl. 246—41)



1. In combination, a section of railway track, a source of track circuit current connected across the two rails of said track, a current limiting device connected between said source and one rail of said track, and a conductor in contact with the track ballast and joined electrically with said device at the connection between said device and said source for varying the effectiveness of said device when the resistance of said track ballast changes.

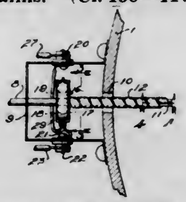
2,080,070

THERMOSTATIC SWITCH

Judson W. Wright and Edgar H. Glinz, Detroit, Mich.

Application March 1, 1935, Serial No. 8,798

2 Claims. (Cl. 158—117.1)



1. In a thermostatic switch, a pilot tube having a diametric slot cut in the end, means for supplying gas to the pilot tube, a thermostatic member wound spirally about the pilot tube, the end of the thermostatic member extending through the diametric slot and the ends of the pilot tube being pinched together to secure the end of the thermostatic member in the slot, the arrangement allowing gas to pass about the anchored end of the thermostatic member and the slot allowing air to mix with the gas to directly heat the thermostat at one end and a mercury switch mounted directly on and turnable to the open or closed position by rotative movement of the thermostatic member.

2,080,071

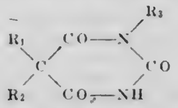
TRI-SUBSTITUTED BARBITURIC ACID

Friedrich Boedecker, Dahlem, near Berlin, and Heinrich Gruber, Schoneberg, near Berlin, Germany, assignors to the firm J. D. Riedel-E. de Haen A.-G., Berlin, Germany

No Drawing. Application July 27, 1933, Serial No. 682,528. In Germany July 4, 1932

13 Claims. (Cl. 260—33)

1. As a product of manufacture, trisubstituted barbituric acids of the formula



in which one of the three radicals R_1, R_2, R_3 represents β-mono-halogen-allyl, whereas both the other radicals denote any aliphatic group containing a maximum of six carbon atoms.

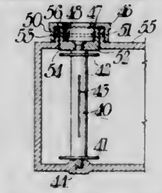
2,080,072

SPOOL FOR WINDING FILM THROUGH CAMERAS

Charles Z. Case, London, England, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application June 8, 1933, Serial No. 674,873

2 Claims. (Cl. 242—71)



1. A photographic film assembly including a spool, said spool comprising a core, spaced

flanges mounted on the core for protecting convolutions of film wound thereon, a handle spaced from one of said flanges and carried by said core, said handle being annular in shape, an annular flange between said handle and said flange, and means carried by said annular flange and carried by said handle adapted to hold said spool in a camera.

2,080,073

OVERFLOW PREVENTING APPARATUS

Walter H. Finley, Nashville, Tenn.

Application December 20, 1935, Serial No. 55,315
10 Claims. (Cl. 4—75)



1. In combination, a receptacle having a drain passage, means to supply the receptacle with liquid to flush the same, a float chamber, communicating with the receptacle, a float in said chamber, and hydraulically operated means actuated by a predetermined raising movement of the float to disable the supply means.

2,080,074

PIECE OF REENFORCED CONCRETE

Eugène Freyssinet, Neuilly-sur-Seine, and Jean Séailles, Paris, France

Application March 8, 1934, Serial No. 714,724
In France October 2, 1928
7 Claims. (Cl. 72—61)



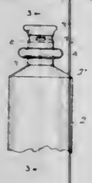
1. A piece of reenforced concrete which comprises set and hardened concrete having undergone shrinkage, and reenforcements of a steel having a high elastic limit in permanent tension anchored in said concrete and adhering thereto along their whole length, whereby said concrete is permanently subjected to compressive stresses.

2,080,075

CLOSURE FOR COLLAPSIBLE TUBES

Sidney L. Gilbert, Marcellus, N. Y.

Application September 3, 1936, Serial No. 99,191
4 Claims. (Cl. 221—60)



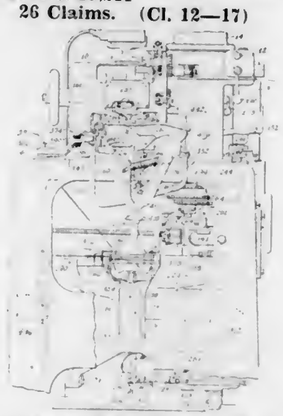
1. The combination with a collapsible tube having a neck portion formed with a closed free end surrounded by an annular flange, and having a circumferential discharge slot between the flange and the body of the tube, of an elastic annular closure whose inner diameter is less than the girth of the neck, adapted to be rolled towards and from the discharge slot, to control the dispensing of the contents of the tube.

2,080,076

SHOE MACHINE

Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Original application March 19, 1932, Serial No. 600,016. Divided and this application May 1, 1935, Serial No. 19,211
26 Claims. (Cl. 12—17)



1. A starting apparatus for power operated machines having, in combination, a continuously rotating driving member, a main driven shaft, a main clutch having driving and driven parts for rotatably connecting said driving member and driven shaft, a braking surface rotating with the shaft, a stationary cooperating braking surface, mechanism actuated by the shaft for separating the clutch parts and forcing the braking surfaces into engagement, an auxiliary shaft, an auxiliary clutch for rotatably connecting said driving member and auxiliary shaft, a manually actuable member for rendering the auxiliary clutch operative, connections actuated by the auxiliary shaft for releasing said main clutch parts and braking surfaces to permit the separation of the braking surfaces and the engagement of the main clutch parts, and means acting automatically thereafter to render the auxiliary clutch inoperative.

2,080,077

MOLDED PRODUCTS AND PROCESS OF MAKING SAME

Guy C. Howard and Lloyd T. Sandborn, Wausau, Wis., assignors to Masonite Corporation, Laurel, Miss., a corporation of Delaware

No Drawing. Application January 26, 1935, Serial No. 3,646
24 Claims. (Cl. 18—55)

1. Process of making molded vitreous-like, highly dense products, which are very dark to black in color, from ligno-cellulose material, which consists in making application of high pressure steam, in a pressure chamber, to such material in such state of coarse subdivision that the steam can penetrate throughout the material, continuing such steam-treatment for such a short time as upon discharge will give relatively coarse tough fiber and solid fines having plastic flow under heat and pressure in the presence of a plasticizer, discharging the steam-treated material from said chamber into a region of lower pressure and thereby causing the material to be explosively disintegrated by the expansion of the steam therein into relatively coarse tough fiber and solid fines having plastic flow under heat and pressure in the presence of a plasticizer, separating said solid fines from the coarse fiber, adjusting the water content of the fines to about 1 to 11% to serve as a plasticizer in the molding operation, and molding the fines into the stated products under heat and pressure with retention of plasticizer.

2,080,078

MOLDING COMPOSITION AND PROCESS OF MAKING SAME

William H. Mason, Robert M. Boehm, and Wilbur Euclid Koonce, Laurel, Miss., assignors to Masonite Corporation, Laurel, Miss., a corporation of Delaware

No Drawing. Application January 26, 1935, Serial No. 3,640
18 Claims. (Cl. 92—1)

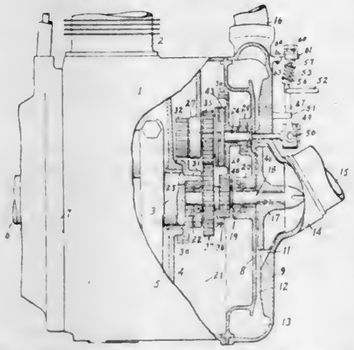
1. Molding composition material made by steaming ligno-cellulose material under pressure at a temperature above the critical temperature of the ligno-cellulose material for a time sufficient to alter the fiber structure throughout the predominant proportion of the material to a state of plastic flowability for hot pressure molding.

2,080,079

SUPERCHARGER

Glenn D. Johnson, Compton, Calif., assignor to J. Warren MacClatchie, doing business as MacClatchie Manufacturing Company, Compton, Calif.

Application November 4, 1933, Serial No. 696,685
6 Claims. (Cl. 74—363)



1. In combination, a pair of shafts, a driving connection for one shaft, gear trains of different speed ratio between the shafts, a gear of each of said gear trains being journaled on one of the shafts, a friction clutch for selectively operatively engaging said gear of the respective gear trains with the last mentioned shaft, means for yieldably tensioning operative engagement of the friction clutch, and means for adjusting the tensioning means while the friction clutch is operatively engaged.

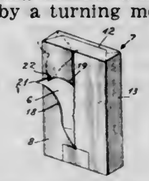
2,080,080

PACKAGE OPENER

Frank H. Lawrence and Frank I. Valentine, San Bruno, Calif.

Application April 10, 1935, Serial No. 15,512
12 Claims. (Cl. 229—51)

2. A device for opening a package, comprising a stiff element in the package, a portion of said element being so formed as to fit an adjacent area of the package, a piercing point at an end of said element adapted to penetrate through a side of the package and protrude from the package when pressure is exerted on said element, an engagement member on said element located at the portion of said element which penetrates said package whereby a turning moment can be exerted on the element to move the same across a side of the package, the edge of said element adjacent said point having a concave, curved cutting edge for cutting said side of the package.

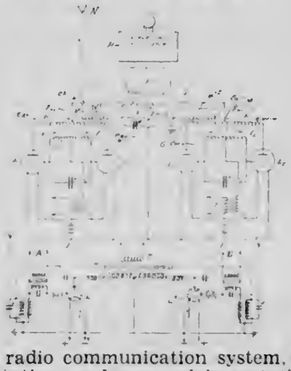


2,080,081

MULTIPLEX RADIO COMMUNICATION

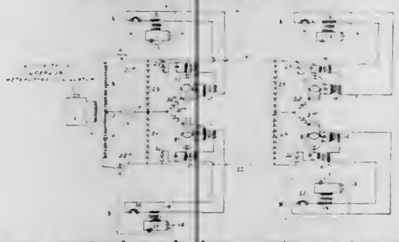
William Arthur Loth and Armand Joseph Givelet, Paris, France

Application January 21, 1932, Serial No. 588,028
In France January 23, 1931
3 Claims. (Cl. 250—9)



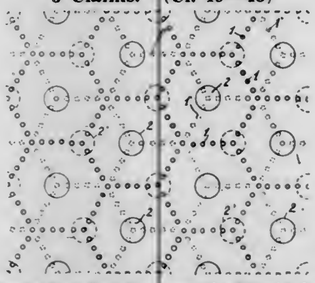
1. In a radio communication system, a transmitting station and a receiving station, said transmitting station comprising a pair of duplicate generating units adapted to generate the same radio frequency, each of said generating units comprising a pair of similar radio-frequency generating tubes and a transmitter plate coil connected between the plates of the two tubes comprised in said unit, a first winding constituting a source of alternating current of supersonic frequency, the point of said first winding of potential mid-way between the potentials of its terminals being connected to the filaments of the tubes of both of said generating units, the terminals of said winding being respectively connected to the respective mid-points of said plate coils, said receiving station comprising a pair of duplicate receiving units, each of said receiving units comprising a pair of similar receiving tubes and a receiver plate coil connected between the plates of the two receiving tubes comprised in said unit, a second winding constituting a second source of alternating current of supersonic frequency, the point of said second winding of potential mid-way between the potentials of its terminals being connected to the filaments of the tubes of both of said receiving units, the terminals of said second winding being respectively connected to the respective mid-points of said receiver plate coils, and means for maintaining the frequency and phase of said second source at said receiving station identical with the frequency and phase of said first mentioned supersonic source at said transmitting station.

2,080,082
COMMUTATING BALANCED MULTIPLEX TELEPHONY
William Arthur Loth and Joseph Armand Givelet, Paris, France
Application December 14, 1934, Serial No. 757,580
In France December 21, 1933
9 Claims. (Cl. 179—15)



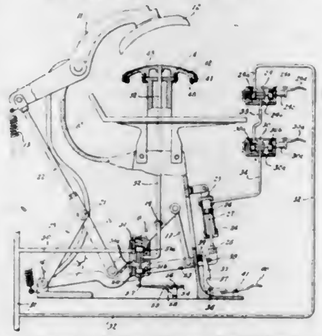
1. In a multiplex telephone system, a two-conductor telephone transmission line, a terminal office at each end of said line, each of said offices comprising a pair of telephone subscriber's stations and a pair of subscriber's lines respectively connected thereto, a pair of electron tubes at each of said offices connected in push-pull balanced relationship with their cathodes interconnected and their plates connected respectively to the conductors of said transmission line, a unilaterally conducting resistance connected between the plate and cathode of each of said tubes, a source of alternating voltage of super-audible frequency, and means for applying said super-audible voltage to the plate circuits of said tubes symmetrically about the cathodes of said tubes, each of said subscriber's lines being coupled to the plate circuit and grid circuit of a corresponding one of said tubes respectively.

2,080,083
MANUFACTURE OF HARDENED OR TEMPERED GLASS PLATES
Raymond Magnien, Paris, France, assignor to Société Assurex "Le Roi des Verres de Sécurité" Magnien, Monnier & Cie., a corporation of France, and Léon Alfred Edouard Petit
Application May 22, 1935, Serial No. 22,904
In France June 8, 1934
3 Claims. (Cl. 49—45)



1. Apparatus for the non-isotropic hardening of glass plates, comprising a casing having one of its walls parallel to and spaced from one surface of the glass plate to be hardened, a pressure chamber and a suction chamber in said casing, a series of nozzles extending from the pressure chamber to the outer surface of the wall and arranged along the sides of contiguous regular polygons, and a second series of nozzles extending from the suction chamber to said surface, these suction nozzles being of larger cross-section than the pressure nozzles and arranged each at the center of one of the said polygons.

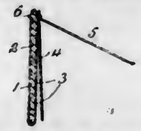
2,080,084
PRESSING MACHINE
Albert Matthews, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application August 6, 1934, Serial No. 738,597
5 Claims. (Cl. 38—25)



1. In a press of the class described, a frame, a head lever pivoted thereon, a head carried by said lever, a buck mounted on said frame and having a fluid distensible pressing face, power means, motion transmitting means between said power means and head lever for closing the press, means having an operative connection with said motion transmitting means for latching said press closed, fluid means for distending the distensible face of said buck, a control valve therefor, and motion increasing means having an operative connection between its point of greater motion and said valve and having another connection between its point of lesser motion and the motion transmitting means, the parts being so arranged that movement of the motion transmitting means to cause engagement of the latching means serves to open said valve.

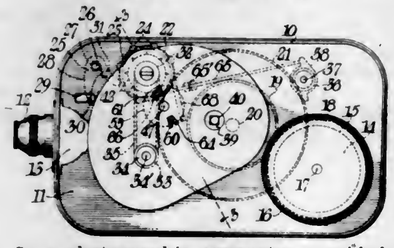
3. A pressing element comprising a base member having a work-supporting portion and depending side portions, a flexible distensible fluid-tight cover extending across said base member and downwardly along the side portions thereof, means securing said cover at its free edges to said base member in fluid-tight relation, and a supporting member secured to said base member and extending upwardly outside said cover along the side portions of said base member and substantially to the plane of said work-supporting portion.

2,080,085
HAIR WAVING PAD
Joe C. May, Kansas City, Mo., assignor to Mary C. Klapmeyer, Kansas City, Mo.
Application May 27, 1935, Serial No. 23,608
1 Claim. (Cl. 132—36.2)



In a hair waving pad adapted to embrace the hair to be waved and comprising a pliable envelope having a perforable side and containing material which when wet will heat and produce steam, and a moistened cloth next to said perforable side, the combination with said envelope, of a flexible porous sheet containing oil disposed against said cloth and adapted to be disposed next to the hair and to have steam pass therethrough from said cloth to said hair, whereby the oil is vaporized and contacts with and protects the hair from damage by the steam, and the steam moistens the hair and sets it in wave form.

2,080,086
FOOTAGE INDICATOR FOR FILM MAGAZINES
Joseph Mihalyi, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application August 31, 1934, Serial No. 742,241
15 Claims. (Cl. 88—16)



1. In a photographic apparatus provided with a film chamber, the combination with a film magazine adapted to contain a supply of film and adapted to be inserted into said film chamber, film moving mechanism for advancing film through said apparatus and magazine, and a stop member connected to and adapted upon being blocked to stop said film driving mechanism, of a control means positioned for movement into and out of engagement with said stop member and controlled by a portion of said film magazine to be moved out of engagement with said stop member when the film magazine is placed within said film chamber.

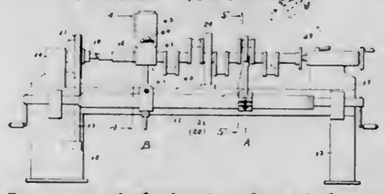
2,080,087
METHOD OF REFINING CRACKED OILS
Masakichi Mizuta, Marunouchi, Kojimachi-ku, Tokyo, and Teiji Yoshimura, Okubo, Kashiwazaki-machi, Kariha-gun, Niigata-ken, Japan, assignors to Nippon Sekiyu Kabushiki Kaisha, Marunouchi, Kojimachi-ku, Tokyo, Japan, a corporation of Japan
No Drawing. Application August 11, 1934, Serial No. 739,500
1 Claim. (Cl. 196—44)

The method of refining cracked oil, which consists in dissolving oil-soluble heavy metallic soap of abietic acid in a volatile organic solvent which will disperse homogeneously in cracked oil; pouring the solution thus obtained slowly into cracked oil while in a cold state to permit same to disperse naturally and homogeneously in the cracked oil whereby same will react with the intermingling mercaptans and precipitate same by double decomposition as insoluble metallic salts; separating the precipitate; and distilling the remaining liquor to separate it from the organic solvent.

2,080,088
METHOD OF LOWERING POUR POINTS OF MINERAL OILS
Franz Rudolf Moser, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 25, 1933, Serial No. 695,161. In the Netherlands November 2, 1932
13 Claims. (Cl. 196—1)

1. In the process of lowering the pour point of a mineral oil, the steps of precipitating asphaltenes from a polymerized extract derived by extracting mineral oil with a selective solvent for non-paraffinic hydrocarbons by adding a liquid precipitant for asphaltenes to said polymerized extract, removing the precipitate and the precipitant from the unprecipitated portion, thereby concentrating active pour point-reducing substances in the unprecipitated portion, and adding the said concentrated pour point-reducing substances to the mineral oil.

2,080,089
GRINDING APPARATUS
Engelbert Mühlbacher, Los Angeles, Calif.
Application March 17, 1934, Serial No. 716,082
6 Claims. (Cl. 51—109)



6. In a control mechanism for grinders of the class described, a control-arm having a pivot support at one end and a contacting means at the opposite end designed to slidingly engage against the sides of a part to be ground, the arm having an actuating pivot intermediate the two ends, and a clamping member adjustably mounted on the second-named end and having contacting means to adjustably co-operate with the first-named contacting means.

2,080,090
CAN OPENER
Clarence L. Mumaugh, Lima, Ohio
Application December 2, 1935, Serial No. 52,605
6 Claims. (Cl. 164—119)

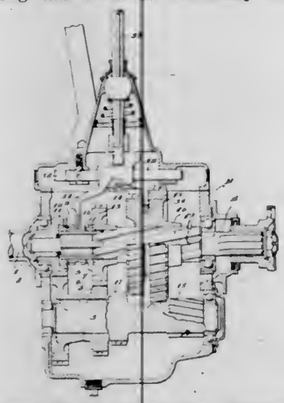


1. An attachment for can openers comprising a substantially cup-shaped member formed of rubber, and provided with a slit parallel with its rim for receiving a portion of the opener.

2,080,091
HELICAL SLIDING GEAR TRANSMISSION
Carl D. Peterson, Toledo, Ohio
Application February 21, 1936, Serial No. 65,099
5 Claims. (Cl. 74—343)

5. A transmission gearing including driving and transmission shafts arranged in axial alinement, a counter shaft, gearing between the driving and counter shafts, and gearing between the counter shaft and the transmission shaft, the latter being helical gears, and the gears on the transmission shaft being splined on the transmission shaft and being shiftable axially into

and out of mesh with gears on the counter shaft, the splines on the transmission shaft having the same direction of spiral as the teeth of the helical gears, a reverse shaft, a helical gear thereon meshing with a gear on the counter shaft, a shiftable helical reverse pinion slidable on the reverse shaft, the shiftable reverse pinion being shiftable into and out of mesh with a helical gear on the transmission shaft, the pinion being mounted to normally rotate idly



on the reverse shaft and having internal splines, and the reverse shaft having splines arranged to interlock with the internal splines, when the reverse pinion is shifted, the direction of spiral of the splines between the reverse pinion and the reverse shaft being the same as that of the helical teeth of the reverse pinion, whereby the shiftable reverse pinion and the shiftable gears on the transmission shaft are automatically held in shifted position against the thrust tending to shift them out of shifted position.

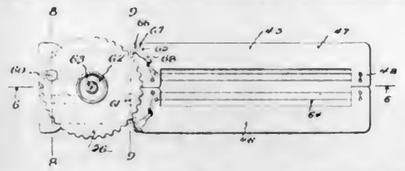
2,080,092
DISPENSABLE DEVICE
Edward H. Philippi, Evanston, Ill.
Application September 13, 1935, Serial No. 40,444
7 Claims. (Cl. 206—57)



7. A dispensable device of the kind described embodying therein a rectangular piece of paper having a lateral extension along one side folded upon a transverse line passing through said extension to form a rear section and a front section which overlaps a part of said rear section to expose a margin thereof at the end opposite the fold line, said margin having at least one opening that communicates with the edge of said margin, that part of the extension associated with the front section being shorter than that part associated with the rear section so as to expose a portion of said part associated with the rear section.

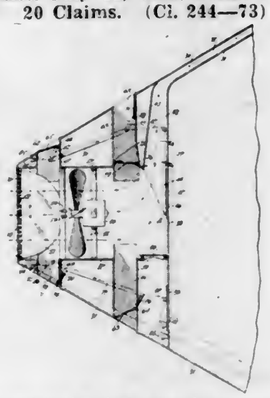
2,080,093
LETTERING GUIDE
Homer C. Rose, Augusta, Wis.
Application July 15, 1935, Serial No. 31,359
2 Claims. (Cl. 33—174)

2. An adjustable lettering guide, comprising a pair of parallel legs having inwardly directed feet, a fine wire connected with the feet of each leg and disposed in parallel relation to its leg, and means operatively connected to said legs at



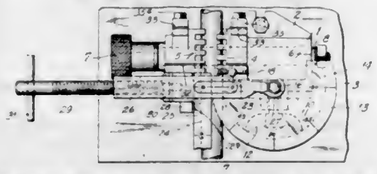
one end for moving the legs in parallel direction toward and away from one another to vary the position of the wires carried by the legs.

2,080,094
AIRSHIP
Henri Rusch, St. Louis, Mo.
Application July 11, 1936, Serial No. 90,078
20 Claims. (Cl. 244—73)



1. An airship having mooring connections extending from its front end, means forming a compartment at the rear end of the airship with passages opening to the outside at the top and at the bottom and at the rear end of the compartment respectively, means for opening and closing said passage that opens to the outside at the rear of said compartment, and mechanism for drawing air through certain of said other passages into said compartment and expelling the air through certain of said passages opening at the opposite side of the airship to stabilize the rear end of the airship with respect to the moored front end.

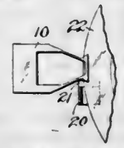
2,080,095
TUBE SHAPING TOOL
Edward H. Sachleben, St. Louis, Mo.
Application September 3, 1935, Serial No. 38,942
18 Claims. (Cl. 153—46)



1. A tube bending tool comprising a main body portion, a tube gripping device, a block mounted on said main body portion and having an arcuate forming groove therein, a quick detachable bending arm mounted for swinging movement about the axis of said arcuate groove, a straight

bending block having a longitudinal groove therein adapted to fit said tube, said block being supported in said bending arm for movement therewith, said forming block having circumferentially spaced graduations thereon indicating bends of different angles and said bending block having longitudinally spaced graduations thereon indicating the length of straight tubing required for making the different bends and adapted during the bending operation to register with the graduations on said forming block to indicate the angle of the bend made.

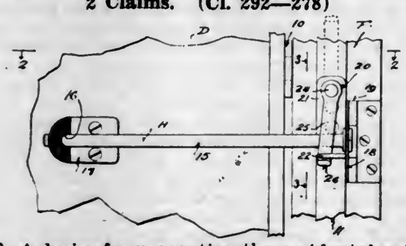
2,080,096
METHOD OF MAKING SHAVING HEADS
Jacob Schick, Stamford, Conn., assignor, by mesne assignments, to Schick Industries Limited, Nassau, Bahama Islands, a corporation of Bahama Islands
Application June 7, 1934, Serial No. 729,439
8 Claims. (Cl. 76—104)



1. A method of making shaving heads which consists in forming a thin shearing plate with overhanging edges, forming teeth on the said edges of the plate, slotting the plate transversely between the bases of the teeth and then tapering the side walls of the slots, the said slotting and tapering being accomplished while using the teeth as guiding means whereby the finished tapered slots are located with precision relative to the teeth.

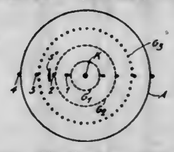
2. A method of making shaving heads which comprises the forming of the outer member of a shaving head of hardened metal with a flat shearing plate and overhanging edges, forming teeth on the overhanging edges said teeth being accurately aligned on the opposite sides, forming slots in the shearing plate between the bases of the teeth to form blades, tapering the walls of the slots, the said slotting and tapering being accomplished while using the teeth as guiding means whereby the finished tapered slots are located with precision relative to the teeth, plating the walls of the slots, and then lapping the inside faces of the blades and the plating to form cutting edges.

2,080,097
GARAGE DOOR HOLDER
Adam Schneider, Milwaukee, Wis.
Application January 9, 1936, Serial No. 58,293
2 Claims. (Cl. 292—278)



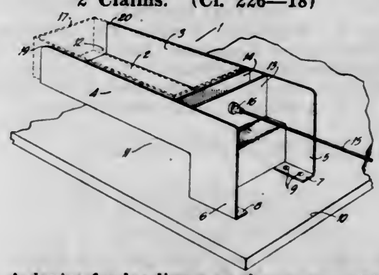
2. A device for preventing the accidental swinging movement of a door on its frame when the door is in an open position comprising a plate hingedly connected to the door frame, and a brace and guide rod for the door rigidly connected to said plate and movable over the door frame when the door is in an open position, a keeper bracket, and a sliding and swinging latch lever carried by the door frame movable over the rod and into engagement with the keeper bracket when the door is in an open position, whereby to prevent movement of said rod.

2,080,098
ELECTRON DISCHARGE TUBE
Karl Steimel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 20, 1933, Serial No. 703,239
In Germany January 9, 1933
6 Claims. (Cl. 250—27.5)



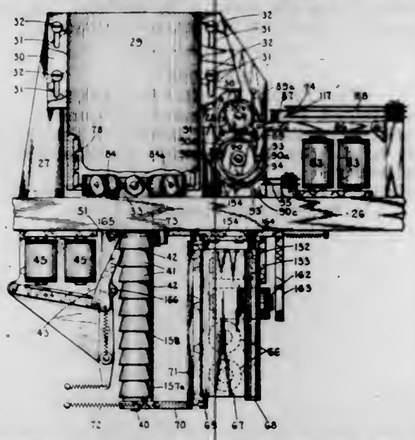
1. An electron discharge tube comprising a cathode, substantially coextensive grid and anode electrodes cooperating therewith and constituting an amplifier of radio frequency oscillations, and a linear probe electrode interposed in the space between cathode and anode, and arranged in parallel relation to and substantially coextensive with the cathode, said probe electrode adapted to cooperate with the cathode and anode to rectify the amplified radio frequency oscillations.

2,080,099
PACKAGING DEVICE
Myron S. Strasser, Albany, N. Y.
Application January 10, 1936, Serial No. 58,584
2 Claims. (Cl. 226—18)



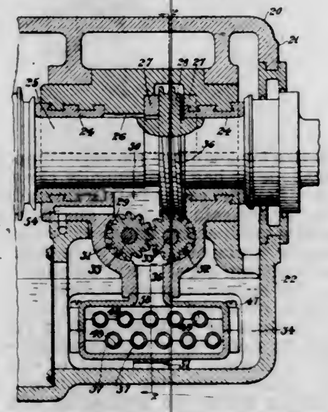
1. A device for loading a package comprising an outer envelope or bag permanently closed at one end, and a flexible, collapsible frame adapted to fit closely within said envelope and to distend it substantially to capacity; said device comprising a substantially horizontal base plate and vertical side plates of thin sheet metal forming a trough or scoop-like structure open at least at one end; said trough or scoop having a vertical depth slightly less than the vertical depth of said frame, and a length and width approximately equal to the length and width, respectively, of said frame; said side plates extending horizontally beyond and vertically below the bottom of said trough at the end opposite the open end thereof and adapted to be secured to a table top or the like, whereby to support said trough as a cantilever over which said envelope may be freely drawn when said frame is positioned in said trough until the end of said frame is substantially contiguous to the permanently closed end of said envelope.

2,080,100
METHOD AND MEANS FOR STORING AND SELECTING RECORDS
Gustav Tauschek, New York, N. Y.
Application March 10, 1933, Serial No. 660,203
22 Claims. (Cl. 179—100.2)



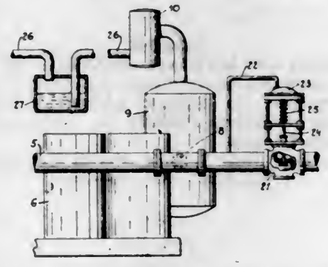
2. The method of registering records and effecting a subsequent representation of such records which consists in subjecting a group of individual magnetic elements each at definitely located points thereof to a magnetic field to simultaneously magnetize said group of elements at one or more of said definitely located points, and then causing the magnetism at the points magnetized to be converted into electrical impulses each to operate related record representing mechanism.

2,080,101
OILING DEVICE
William E. Trumpler, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application March 31, 1934, Serial No. 718,338
3 Claims. (Cl. 308—76)



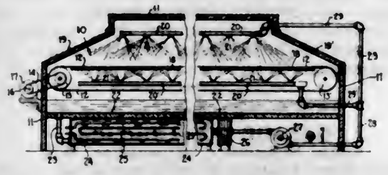
1. An oiling device, comprising a bearing having a pumping chamber and a reservoir for oil, a shaft in the bearing, a thrust collar on the shaft for transmitting the axial thrust of the shaft to the bearing, a pair of intermeshing helical gears in the pump chamber for pumping oil from the reservoir to the cooperating surfaces of the bearing and the shaft, and a thread on the flange intermeshing with the teeth of one gear for driving the gears.

2,080,102
MEANS FOR COLLECTING EXHAUST GASES
Walter J. Willenborg, Weehawken, N. J., assignor to United States Fire Protection Corporation, Hoboken, N. J., a corporation of Delaware
Application May 25, 1931, Serial No. 539,822
4 Claims. (Cl. 23—281)



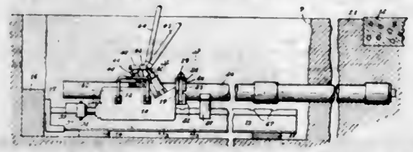
2. In means converting exhaust gases for inert gas use, the combination of the exhaust conduit of an internal combustion engine through which the exploded gases are cyclically,—after they have expanded in said engine,—released to the air from an exhaust port of said engine, with a valve closing said conduit and controlling the release of gases therefrom to the air, with a branch conduit diverting some of said gases for use and issuing from said conduit at a point between said port and said valve, and with a compressor in said branch circuit operatively connected with said engine.

2,080,103
METHOD AND APPARATUS FOR REFRIGERATING FOOD PRODUCTS
Mikail T. Zarotschenzeff, New York, N. Y., assignor, by mesne assignments, to Z Processes Inc., Jersey City, N. J., a corporation of Delaware
Application April 10, 1934, Serial No. 719,839
7 Claims. (Cl. 62—104)



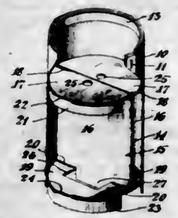
1. A device for quick freezing food products comprising an elongated chamber, means to supply a quick freezing refrigerant under pressure, means positioned within the chamber and communicating with the supply means for directing the refrigerant in spray and finely divided form in a direction to impinge against the exposed surfaces of the products passing through the chamber, whereby the refrigerant will impinge against substantially all portions of the products and transfer heat therefrom by conduction resulting from direct impact contact thereof with all portions of the products, and means to introduce products into the chamber at one end thereof and remove the same at the other end thereof to cause the products to move through the chamber.

2,080,104
PIPE PUSHER
John H. Abramson and Edwin C. Swanson, Rockford, Ill., assignors to Greenlee Bros. & Co., Rockford, Ill., a corporation of Illinois
Application January 6, 1936, Serial No. 57,661
10 Claims. (Cl. 254—29)



1. A pipe pusher comprising in combination a fluid cylinder, a base for supporting said cylinder through a succession of pushing strokes, a piston in said cylinder, means to hold the piston in a succession of pushing positions, means to inject fluid into the cylinder to move the cylinder, and means for moving the piston with respect to the base and the cylinder to the next pushing position at the completion of a stroke.

2,080,105
COLLAPSIBLE DISPLAY CONTAINER
Charles J. Bacon, Brooklyn, N. Y.
Application April 21, 1936, Serial No. 75,544
6 Claims. (Cl. 248—174)



5. A collapsible display container comprising a tubular body member provided with oppositely disposed longitudinally extending score lines whereby said body member is adapted for folding, and a pair of channel shaped bracing members arranged back to back in frictional abutment within the body member, each of said bracing members comprising a vertical panel disposed in alignment with said score lines of the body member and a pair of crescent shaped wings hingedly connected to the upper and lower edges respectively of the panel and hingedly secured to vertically spaced portions of the body member, whereby the bracing members are adapted for folding within the body member, the upper wings of the two bracing members together forming a platform and the lower wings of the two bracing members together forming a bottom for the container, said platform and bottom conforming to the configuration of the body member.

2,080,106
PROCESS FOR THE PREPARATION OF ANTHRAQUINONE COMPOUNDS AND A PRODUCT PRODUCED THEREBY
Earl Edson Beard, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 21, 1935, Serial No. 12,248
9 Claims. (Cl. 260—60)

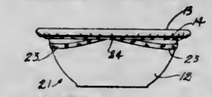
1. The process which comprises condensing only one mol. of a halide of 1-nitro-anthraquinone-6-carboxylic acid with one mol. of 1,5-diamino-anthraquinone and thereafter reducing the nitro group in the condensation product to an amino group.

2,080,107
SHAMPOO GARMENT
Samuel J. Brandstein, Brooklyn, N. Y.
Application February 24, 1936, Serial No. 65,222
2 Claims. (Cl. 2—50)



1. A device including a garment having a portion providing a neck receiving portion, an annular resilient element extending along and connected to said portion, the latter and said element being split so that said portion can be opened upon springing said element to thus receive the neck of the wearer, with said element contracting to maintain the said portion engaged about the neck, and a portion of relatively elastic material extending annularly along the resilient element and continuously engaged with the neck receiving portion substantially from end to end thereof and along one edge of the elastic portion in stretched condition of the latter along said edge, said resilient element maintaining said elastic portion stretched along said edge thereof, and the elastic portion being freely elastically contracted along its other edge so as to flare inward of the neck receiving portion to snugly embrace the wearer's neck.

2,080,108
COVER FOR CONTAINERS OF DIFFERENT SIZES
Samuel J. Brandstein, Brooklyn, N. Y.
Application November 21, 1936, Serial No. 111,983
7 Claims. (Cl. 65—16)

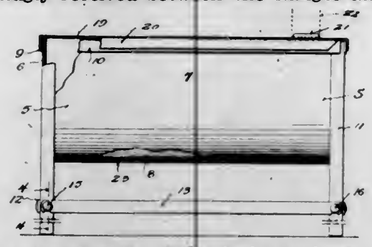


7. A device including a cover comprising a one piece disc member having a flexible elastic normally contracted peripheral portion removably engageable around an article, and a flexible tension element adapted to extend along said peripheral portion and secured thereto at substantially spaced points, the length of the said element in its contracted condition being substantially equal to the length of the said peripheral portion in its contracted condition.

2,080,109
CAMP STOVE
Martin J. Brennan, Milwaukee, Wis.
Application July 10, 1936, Serial No. 89,926
2 Claims. (Cl. 126—29)

2. A camp stove comprising a sheet metal body including longitudinally extending side walls, end walls, and a bottom wall, outwardly and downwardly extending flanges formed on the side and end walls in spaced relation thereto,

angle iron corner standards snugly engaging the corners of the body with the upper ends thereof snugly received between the flanges and the

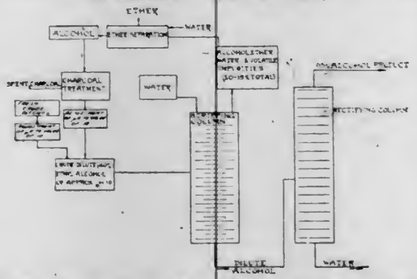


side and end walls of the body, and removable brace bars detachably engaging the legs adjacent to the lower ends thereof.

2,080,110
BRIDGE WIRE
Bert Brenner, Union, N. J., assignor to Sigmund Cohn, New York, N. Y.
No Drawing. Application September 17, 1936, Serial No. 101,269
3 Claims. (Cl. 75—172)

1. An alloy for resistance units comprising rhodium, ruthenium and platinum in the proportions of 2% to 25% rhodium, 2% to 15% ruthenium, and the balance platinum.

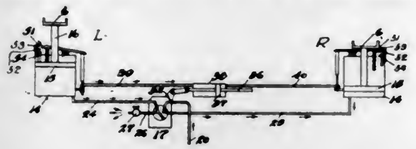
2,080,111
PURIFICATION OF ALCOHOLS OBTAINED FROM OLEFINES
Albert H. Bump, Watertown, Mass., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware
Application May 28, 1934, Serial No. 727,964
12 Claims. (Cl. 202—57)



1. In the method of purifying alcohols selected from the group ethyl, butyl, propyl and derived from olefines of a cracked hydrocarbon origin, which alcohols contain a hydrocarbon impurity suggestive of sour gasoline, which includes the steps of rendering the alcohol alkaline and then distilling the hydrocarbon impurity from said alkaline alcohol as a ternary alcohol-hydrocarbon-water mixture while retaining the main volume of alcohol in liquid phase until removal of the impurity is completed.

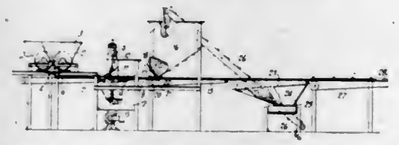
2,080,112
VEHICLE ROCKING MACHINE
Claude C. Calkins, Spokane, Wash.
Application February 15, 1933, Serial No. 656,941
1 Claim. (Cl. 121—3)

In rocking mechanism as described, the combination with a pair of spaced operating motors each having a lifting member, of a distributing valve device having a three-way valve therein and communicating with said motors, a servo-motor communicating with said motors and auxiliary valves controlling said communication, operating means for said auxiliary valves compris-



ing a spring actuated rocker arm, a spring latch for said arm and a pin on said latch in the path of movement of a lifting member, and means operated by the servo-motor for reversing the position of the three-way valve.

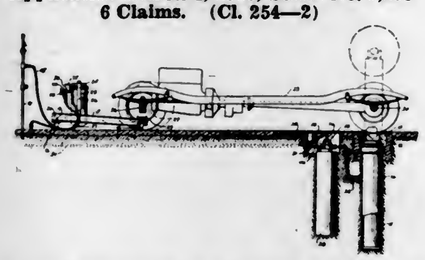
2,080,113
METHOD AND APPAPATUS FOR MAKING CONFECTIONS
William S. Cloud, Wilmette, Ill.
Application June 15, 1934, Serial No. 730,722
10 Claims. (Cl. 107—54)



1. Method of making confections, which comprises forming a continuous rod of center material, passing said rod continuously through a mass of viscous material, and passing said rod continuously through a mass of edible units, all of said operations being performed prior to severing said rod into individual units.

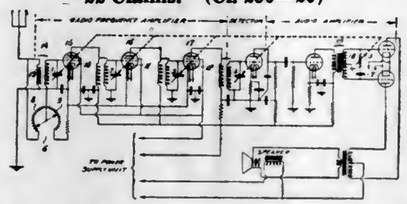
5. Apparatus for making confections, comprising, in combination, means for forming a continuous rod of center material, means for conveying said rod in unbroken condition continuously, as formed, through a plurality of stations, means for coating said rod with viscous material, and means for covering the coated rod with edible units.

2,080,114
VEHICLE LIFT
John D. Cochin, San Francisco, Calif.
Application March 4, 1935, Serial No. 9,155
6 Claims. (Cl. 254—2)



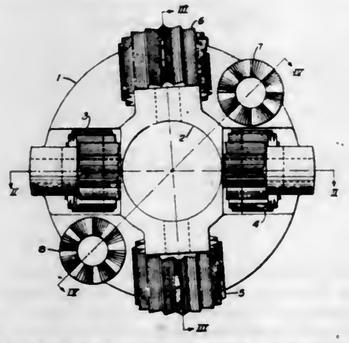
4. In a vehicle lift, the combination of a stationary lifting member disposed beneath the floor level, a portable lifting member movable over the surface of the floor, and remote control means for the stationary member operable from a point on the portable member.

2,080,115
CONTROL SYSTEM
Charles E. Dean, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application January 28, 1931, Serial No. 511,715
22 Claims. (Cl. 250—20)



16. In a radio receiver, a stage of tuned radio-frequency amplification, tuning means in said stage, the selectivity of said stage being variable with tuning, a detector, an audio-frequency amplifier, means for controlling the tone of said amplifier, and additional means for rendering said tone control means simultaneously operative with said tuning means in such sense as to compensate for the effects of variation in selectivity of said radio-frequency stage with tuning.

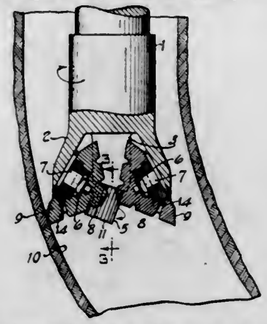
2,080,116
DRILL
Charles A. Dean, Bakersfield, Calif.
Application August 5, 1933, Serial No. 683,797
12 Claims. (Cl. 255—72)



1. A rotary core drill comprising a bithead having an axial opening to receive a core, a plurality of roller core cutters mounted in the head and adapted to cut bottom about a core to approximately full diameter of the bithead, and a rotatable cutter to ream the sidewalls journalled substantially longitudinally of the head and having bottom teeth extending below the outer periphery of the bottom roller cutters to cut the bore bottom peripherally to size of the bithead.

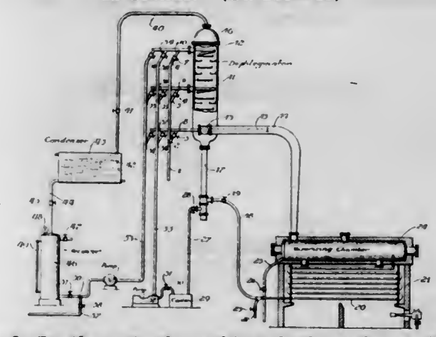
2,080,117
ROLLER SHOULDER BIT
Charles A. Dean, Bakersfield, Calif.
Application August 1, 1935, Serial No. 34,186
10 Claims. (Cl. 255—71)

1. A roller bit for earth drilling, comprising a head having in combination a cross-roller cutter mounted therein with bottom-cutting teeth as a whole inclined upwardly and inwardly and extending substantially to the axis of the head, and a roller-cutter mounted therein for rotation about an axis longitudinal of the bit and having bottom-cutting teeth adapted to effect a leading cut into the upwardly and inwardly inclined bot-



tom formation left below the cut of the said upwardly inclined cross-roller teeth.

2,080,118
PROCESS FOR CRACKING PETROLEUM OIL
Carbon P. Dubbs, Wilmette, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 31, 1922, Serial No. 578,705
Renewed July 11, 1936
12 Claims. (Cl. 196—48)

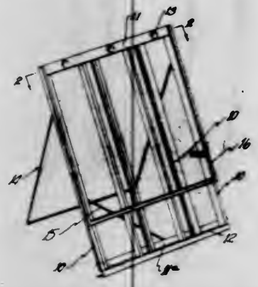


8. In the art of cracking hydrocarbons, the process which comprises conducting a stream of hydrocarbons through a cracking zone and then into a separating chamber, conducting vapors from said separating chamber to a reflux condenser, separately removing residue from the chamber, continually feeding relatively cool oil through a portion of said reflux condenser to cool the vapors, transmitting reflux condensate from the reflux condenser through said cracking zone and then into said separating chamber, maintaining the contents of said separating chamber at a cracking temperature, and extracting a substantial amount of heat from the vapors prior to their reflux condensation in said reflux condenser by cooling the vapors passing from said separating chamber to said reflux condenser.

2,080,119
DISPLAY DEVICE
Edith B. Duell, New York, N. Y.
Application July 20, 1935, Serial No. 32,375
3 Claims. (Cl. 211—71)

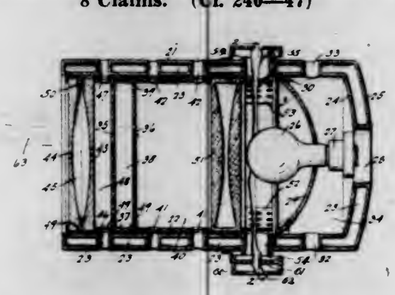
1. In a display device, a plurality of spaced channel elements positioned with their trough portions facing each other to form a slot adapted to hold a plurality of articles, means to space

said channel elements from each other and to hold said elements in spaced relation, an element adapted to close the bottom of said slot, and



means fixedly positioned adjacent the top of said slot and yieldingly extending into said slot and adapted to resist the removal therefrom of articles carried thereby.

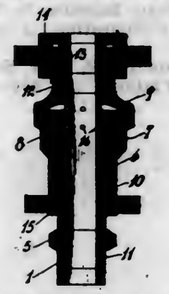
2,080,120
METHOD AND MEANS FOR COOLING A LIGHT PROJECTOR AND THE BEAM PRODUCED THEREBY
David W. Everett, San Francisco, Calif.
Application December 28, 1934, Serial No. 759,541
8 Claims. (Cl. 240—47)



1. A projection illuminating device, in combination, a housing having evacuated chambers formed in the walls thereof, a source of illumination, a vacuum lens having an evacuated chamber formed therein, diametric passages formed through the walls of the housing between the lens and the source of illumination forming a circulating air chamber therebetween, and a static air baffle having a static-air chamber formed therein and interposed in spaced relation between the vacuum lens and the source of illumination and forming a second circulating air chamber between the lens and baffle, and intake and discharge passages therefor formed diametrically through the walls of the housing.

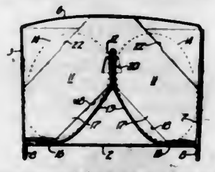
2,080,121
STUFFING BOX
Eli L. Fleming, Long Beach, Calif.
Application March 29, 1935, Serial No. 13,643
5 Claims. (Cl. 286—34)

1. A stuffing box, comprising an exterior threaded tube, a cup screwed onto the tube, a head mounted on the cup, packing in the tube, means depending from the head and engaging the packing whereby said packing is compressed, a second packing in the head, means to compress said second packing, said cup having a lubricating chamber therein, and conduit means extend-



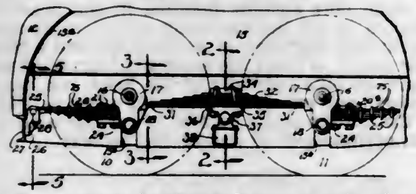
ing from the lubricating chamber to both of said packings.

2,080,122
CONTAINER
George F. Ford, Beverly Hills, and Walter F. Pittman, Huntington Park, Calif., assignors to Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware
Application February 25, 1935, Serial No. 7,946
9 Claims. (Cl. 229—28)



1. A filler comprising an inverted Y-shaped section having a vertically disposed and upwardly extending ridge portion and having horizontally disposed and outwardly extending base portions, and a plurality of inverted V-shaped sections extending transversely of the Y-shaped section, the V-shaped sections straddling said ridge portion and secured at their ends to said base portions.

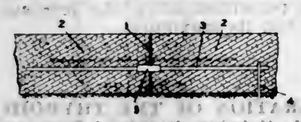
2,080,123
RUNNING GEAR FOR VEHICLES
Lynn M. Francis, Birmingham, Mich., assignor to Mechanical Handling Systems, Inc., Detroit, Mich., a corporation of Michigan
Application February 7, 1936, Serial No. 62,754
10 Claims. (Cl. 280—104)



2. In a vehicle having a frame, a pair of supporting wheels arranged in tandem formation, axles upon which said wheels are rotatably mounted, a main spring pivotally supported intermediate its ends to said frame between the axles of said wheels, a pair of auxiliary spring units one rigidly secured to each of said axles and projecting to the side thereof opposite said main spring, means for securing the ends of said auxiliary springs to said frame, and a pair of projections one for each axle extending from the other side of each axle and rigidly associated with each

of said auxiliary springs and its respective axle against each of which projections one end of said main spring is engaged with a yielding pressure.

2,080,124
REENFORCED CONCRETE STRUCTURE
Bengt F. Friberg, St. Louis, Mo., assignor to Laclede Steel Company, St. Louis, Mo., a corporation of Missouri
Application May 17, 1935, Serial No. 22,000
4 Claims. (Cl. 72—107)



1. In a structure of the kind described, the combination with two adjacent members, at least one of said members comprising a body of concrete or the like, of a rod embedded in said concrete and holding the members together, a portion of the rod being unbonded to the surrounding concrete for a distance adjacent the plane of junction of the members, whereby substantial stretch is distributed in the unbonded portion of the rod without rupture of the bond in the remainder of the rod.

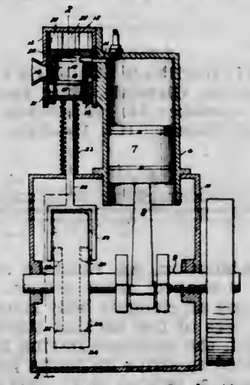
2,080,125
PIE PACKAGE
George S. Frost, Baldwin, N. Y.
Application December 16, 1932, Serial No. 647,580
2 Claims. (Cl. 206—44)



1. A package for food product comprising a plate having a compartment to receive a food product therein and having a horizontal flange around the upper portion of said plate, a sheet of transparent material adapted to cover the top of the food product and extending over said plate flange, an annular clamping ring adapted to be secured to said plate flange with the outer portion of said sheet clamped between the plate flange and said ring, and means for securing said ring and plate flange together, said clamping ring having a depending inner portion extending below the plane of the receptacle flange and around which said sheet passes, an upstanding collar resting on said plate and surrounding the food product and over which said transparent sheet is supported so that said sheet is maintained out of contact with the food product.

2,080,126
INTERNAL COMBUSTION ENGINE
John T. Gibson and Nelson F. Garrett, Barrie, Ontario, Canada
Application October 9, 1935, Serial No. 44,140
5 Claims. (Cl. 123—188)

1. The combination with a firing cylinder of an internal combustion reciprocating engine, of a secondary cylinder having a port communicating with the head end of the firing cylinder, a sleeve reciprocably disposed in said secondary cylinder having a closed top and an open bottom, said secondary cylinder and the sleeve having means to admit a mixture to said port, means for shifting the sleeve to cut off the port, and a piston operable in the sleeve for drawing into



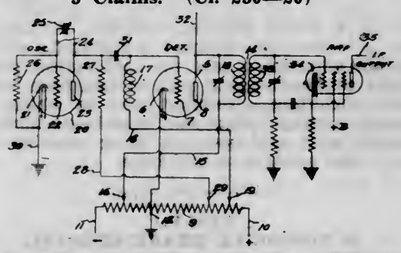
said sleeve the mixture and ejecting it through said port into the firing chamber.

2,080,127
DAMPENING ROLLER FOR LITHOGRAPHIC PRESSES
George G. Goedike, Chicago, Ill., assignor to Roberts & Porter, Inc., Chicago, Ill., a corporation of Illinois
Application August 22, 1935, Serial No. 37,273
6 Claims. (Cl. 91—67.8)



1. In combination with a printing roller, a knitted seamless cover therefor having a napped surface, the nap extending in a direction parallel to the rotational movement of the roller.

2,080,128
HIGH FREQUENCY SUPERHETERODYNE RECEIVER
Gustave L. Grundmann, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1935, Serial No. 56,975
5 Claims. (Cl. 250—20)



1. In a superheterodyne receiver for ultra-high frequency modulated carrier waves, the combination of an electric discharge device having an anode, a cathode and a control grid therebetween, means for applying to the anode and to the control grid with respect to the cathode, potentials providing a virtual cathode adjacent to the anode, a high frequency oscillator coupled to the control grid to apply oscillations thereto for modulating the virtual cathode, a carrier wave collector connected to the anode, an output circuit connected with said anode, and an

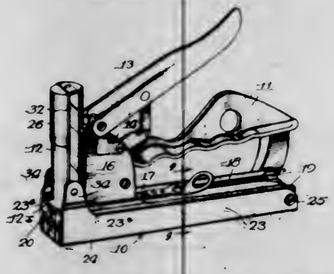
intermediate frequency amplifier coupling device having a high impedance connected in said circuit.

2,080,129
WINDSHIELD SQUEEGEE
Charles Guiotta, Glendale, Long Island, N. Y.
Application December 24, 1935, Serial No. 55,951
12 Claims. (Cl. 15—245)



12. In combination, an elongate sheet metal backing of U-shaped cross section, a rubber squeegee having an elongate body grippingly held between the legs of the backing throughout the length thereof, the squeegee having flexible side portions formed as strips including parallel wiping edges, and a central strip laterally spaced from the side strips and having slots therein which extend vertically from its edge to said body, the edge of the central strip being disposed on the plane of the first edges, the rubber of the respective strips being continuous with that of the body, said body having rubber portions disposed opposite the aforesaid lateral spaces.

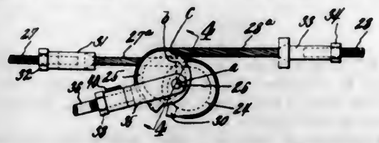
2,080,130
STAPLING AND TACKING MACHINE
Augie L. Hansen, Chicago, Ill., assignor to A. L. Hansen Mfg. Co., Chicago, Ill., a corporation of Illinois
Application February 15, 1936, Serial No. 63,996
9 Claims. (Cl. 1—49)



1. In a staple driving machine, including a base, a reciprocable plunger, a spring for actuating said plunger, a seat for said spring, means rigidly connecting said seat to said base, and a frame including a tubular head in which said plunger is reciprocable, said head being normally engaged with said base but being movable with said frame relative to said base.

2,080,131
AUTOMOBILE BRAKE RIGGING
William D. Harper, Wellesley, Mass.
Application June 27, 1934, Serial No. 732,610
13 Claims. (Cl. 74—516)

1. The combination of an automobile braking system having a primary brake actuating means and a brake setting means, of a plurality of operatively connected eccentrically disposed discs in parallel planes, one of said discs being coupled to one of said brake means, another of said discs being coupled to the other of said brake means, means attached to the automobile to support said discs between the primary brake actuating means and the brake setting means, and means including the relationship of said discs, whereby the leverage increase operates throughout the initial

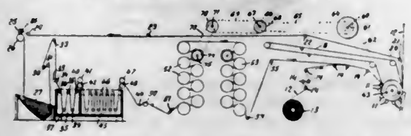


range of movement and a further range of operation is permitted after the leverage increase has reached its maximum.

2,080,132
PREPARATION OF THE THYROID GLAND
Horace A. Holaday, Highland Park, and Edward D. Perry, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application August 22, 1934, Serial No. 740,890
9 Claims. (Cl. 167—76)

1. In the preparation of a therapeutic agent, the steps of subjecting the thyroid gland to autolysis and discontinuing the autolysis when the filtrable portion of the autolysate contains between 15% and 25% of the total iodine.

2,080,133
TEXTILE PRINTING MACHINE
Walter T. Jenkins, Rock Hill, S. C., assignor to Rock Hill Printing & Finishing Company, Rock Hill, S. C., a corporation of South Carolina
Application May 26, 1936, Serial No. 81,819
6 Claims. (Cl. 101—178)

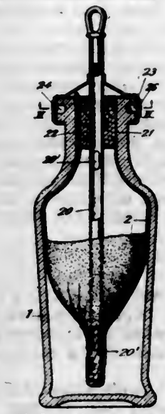


1. The process of printing cloth which consists of leading the web to be printed and a back grey of absorbent textile material under printing rolls and continuously leading the back gray from the printing rolls through washing means, rinsing means and drying means and again into backing engagement with the web being printed.

2,080,134
DEVICE FOR DISPENSING PASTY OR LIQUID SUBSTANCES
Hubert Jezler, Zurich, Switzerland, assignor to the firm Inga Internationale Nahrungs-und Genussmittel-Aktiengesellschaft, Schaffhouse, Switzerland
Application April 18, 1936, Serial No. 75,113
In Switzerland April 27, 1935
8 Claims. (Cl. 221—60)

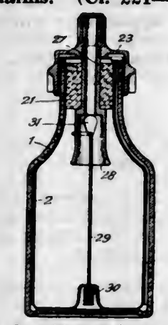
1. In a device for dispensing pasty as well as liquid substances, a solid container having a neck, a bag having a flexible wall, for containing the substance to be dispensed, said bag being disposed in said container and fastened at its upper end to said neck, a passage for admitting air between said bag and said neck, an apertured tube insertable exclusively through said neck and connected at its lower portion with a lower bag portion, means for sealing said tube in said neck,

and means on said tube for turning the same relative to said container for winding up said



bag by twisting it for thus squeezing out its content.

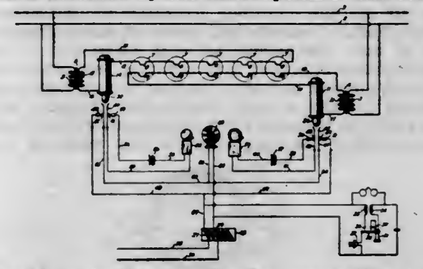
2,080,135
DEVICE FOR DISPENSING PASTY OR LIQUID SUBSTANCES
Hubert Jezler, Zurich, Switzerland, assignor to the firm Inga Internationale Nahrungs-und Genussmittel-Aktiengesellschaft, Schaffhouse, Switzerland
Application June 13, 1936, Serial No. 85,106
In Switzerland May 8, 1936
3 Claims. (Cl. 221—60)



1. In a device for dispensing pasty as well as liquid substances, a solid container, a bag having a flexible wall for containing the substance to be dispensed held in said container, an appliance for winding up said bag by twisting it for thus squeezing out its content, comprising a tubular upper part for educting said squeezed out content, and at least one element similar to a tension member and connecting said upper part to a lower portion of said bag, for first raising said portion as said element is twisted by means of said upper part and then winding said bag about said element serving as a core as the twisting continues.

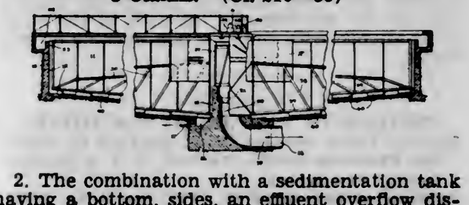
2,080,136
TELEPHONIC ALARM SYSTEM
John M. Johnson, Kansas City, Mo.
Application December 21, 1934, Serial No. 758,585
4 Claims. (Cl. 179—5)

1. In a telephone system having a central exchange, a pair of protective circuits extending through an area to be protected, a telephone transmitter, means actuated by the interruption of one of said protective circuits for giving an audible indication and for electrically connecting said transmitter with said central exchange and means actuated by the interruption of the other



of said protective circuits for connecting said transmitter with said central exchange independently of said first connecting means and for giving a different audible indication.

2,080,137
SEDIMENTATION APPARATUS
Clarence E. Keefer, Baltimore, Md.
Application December 27, 1935, Serial No. 56,391
8 Claims. (Cl. 210—55)



2. The combination with a sedimentation tank having a bottom, sides, an effluent overflow discharge, a sediment discharge, and a hollow pedestal upstanding from the tank bottom forming a conduit through which liquid to be treated in the tank is fed to the tank; of a valve seat within said pedestal and surrounding the conduit and a valve coacting with said valve seat for controlling the passage of feed liquid through the conduit of said pedestal.

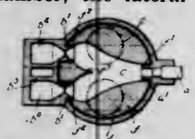
2,080,138
METHOD OF AGING WINE
Ernst T. Krebs, San Francisco, Calif.
No Drawing. Application August 10, 1936, Serial No. 95,173
10 Claims. (Cl. 99—48)

1. A method of aging wine which consists in holding new wine until it passes from the alcoholic slightly into the acetic stage of fermentation, moistening comminuted pulp obtained from white oak wood with a solution containing an emulsin complex, adding the pulp to the wine and then drawing off the wine and aging the wine in a closed container.

2,080,139
AIR CHAMBER DIESEL ENGINE
Franz Lang, Munich, Germany, assignor to Lanova Aktiengesellschaft, Vaduz, Liechtenstein
Application October 28, 1935, Serial No. 46,990
In Germany November 8, 1934
3 Claims. (Cl. 123—32)

1. In an injection engine, a cylinder and a piston operating therein, the head of said piston having a depression defining a combustion chamber disposed diametrically of the piston, said piston having grooves opening into the ends of

said chamber and the latter increasing in width from the groove at one end thereof to within a short distance of its other end and thence decreasing in width to the groove at said other end, an air storage chamber structure at one side of said cylinder comprising a port member disposed to fit into the groove at said other end of the combustion chamber and defining two ports and funnel-shaped passages leading to said ports and flaring inward of said combustion chamber with an element therebetween tapering inward of said combustion chamber, the lateral walls of said



combustion chamber merging into the lateral walls of said passages and forming continuations thereof, in the position of maximum compression of said piston, a port member at the opposite side of said cylinder disposed to fit into the groove at said one end of the combustion chamber as the piston approaches its position of maximum compression, and an injection nozzle disposed to inject fuel through said second port member into said chamber lengthwise thereof and toward said element, the apex of the latter being aligned with the injection opening of said nozzle.

2,080,140
METHOD OF PREPARING PEN POINTS
Kurt K. Ledig, Newark, N. J., assignor to American Platinum Works, Newark, N. J., a corporation of New Jersey
Application December 21, 1935, Serial No. 55,541
3 Claims. (Cl. 219—10)



1. The method of tipping a metallic nib with a metallic tip, comprising forming the end of the nib to be tipped with a recess, bringing said recessed end of the nib into engagement with the tip to cause an automatic centering of the tip with respect to said nib, and then passing an electric current through said nib and tip for a predetermined period of time.

2,080,141
IGNITER FOR GAS BURNERS
Oscar J. Leins, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 22, 1931, Serial No. 545,901
6 Claims. (Cl. 158—115)



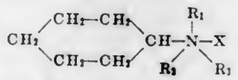
1. In combination, a gas burner, a pilot torch head, a hood over said torch head, a port in said torch head directed toward said burner, said hood having an opening in line with said port, a tube extending from said hood from the opening therein toward said burner, a foot extension formed integral with the burner and offset downwardly to underlie the adjacent end of said tube and a second torch head mounted upon the top of the downwardly offset portion of said foot extension and terminating in said tube, said second torch head having port means and the foot extension on the burner being in open communication with the interior of the burner for supplying gas to said last port means at a pressure varying with the pressure within the burner.

2,080,142
TREATMENT OF ORGANIC COMPOUNDS
Charles D. Lowry, Jr., and Charles G. Dryer, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 30, 1934, Serial No. 733,326
2 Claims. (Cl. 23—250)

1. A method for preventing or reducing deterioration of furfural which comprises adding thereto a relatively small amount of a hardwood tar distillate boiling between 220° C. and 320° C.

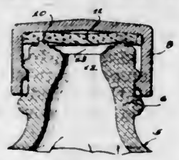
2,080,143
CYCLOHEXYLAMINE DERIVATIVES
Herbert A. Lubs, Wilmington, Del., and Frank Willard Johnson, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 10, 1934, Serial No. 752,468
7 Claims. (Cl. 260—127)

1. A compound having the following general formula:



wherein R_1 and R_2 represent lower alkyl groups, R_3 represents an unsubstituted alkyl radical containing at least 8 carbon atoms, and X represents an inorganic acid radical.

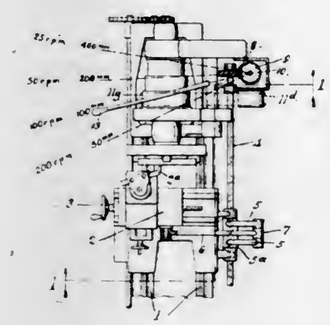
2,080,144
BOTTLE
Garland Lufkin, Newark, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application March 14, 1936, Serial No. 68,839
1 Claim. (Cl. 215—31)



A sprinkler top bottle having a neck portion provided with a relatively thick annular wall having a cylindrical outer surface provided with an external thread, said neck portion having an annular flat marginal top portion extending inwardly from said cylindrical outer surface, said marginal top portion having a rounded circumferential edge merging with said cylindrical surface, a continuous semi-circular rounded bead

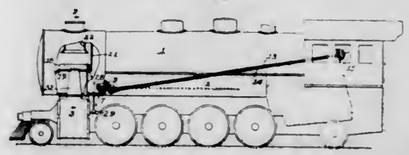
projecting upwardly from said flat top portion, said bead being spaced inwardly a slight distance from the periphery of said top portion, said neck portion having a centrally disposed tapering axial filling bore extending therethrough and communicating with the interior of the bottle, said bore having a filling opening at the top thereof positioned below the level of said bead, the top surface of the neck portion between said bead and opening sloping downwardly and inwardly, the diameter of said opening being substantially equal to the thickness of the bottle neck wall in the plane of the opening, a molded composition cap for said bottle, a yieldable liner disposed in said cap, said cap being provided with an internally threaded skirt designed to engage said external thread, said circular bead being adapted to engage the underneath side of said liner for sealing engagement therewith, said circular bead being of a diameter slightly less than the diameter of the cylindrical outer surface of the bottle neck wall and of a height less than the extent to which said liner may be compressed upon manual application of torque to said cap whereby when excessive torque is applied to said cap said rounded edge will engage the underneath side of said liner in a circular reinforced region in the vicinity of said skirt and prevent breakage of said cap.

2,080,145
VARIABLE SPEED DRIVE
Albrecht Maurer, Bad Homburg vor der Hohe, Germany, assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application February 29, 1936, Serial No. 66,345
In Germany March 1, 1935
17 Claims. (Cl. 82—21)



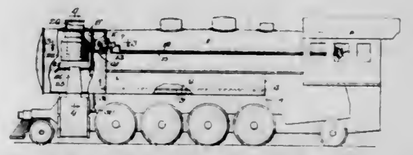
1. In combination with a lathe or the like, having a variable speed drive, means for maintaining automatically a constant cutting speed irrespective of changes in the diameter of the work, said means comprising a tool holder, means for moving it radially with respect to the work, and control means associated with the drive of said lathe to control the speed thereof, and electrical means actuated by movement of said tool holder to affect said control means, said electrical means comprising a plurality of spaced contact point members, a contact part adapted to contact one of said point members, and means for moving said point members progressively past said contact part, whereby movement of the tool holder is effective upon said control means to vary the speed of the drive to produce constant cutting speed.

2,080,146
SLUDGE REMOVAL APPARATUS
Verl E. McCoy, Chicago, Ill., assignor to Wilson Engineering Corporation, Chicago, Ill., a corporation of Delaware
Application June 10, 1935, Serial No. 25,765
2 Claims. (Cl. 122—382)



1. In combination with a locomotive and the exhaust steam nozzle thereof, a centrifugal separator mounted concentrically about said nozzle, valve regulated means for conducting sludge from the bottom of the boiler tangentially into the separator, the separator having a central outlet for the escape of centrifugally separated steam in the vicinity of the path of exhaust steam emitted from said nozzle, and means for withdrawing water from said separator and delivering the same for discharge beneath the locomotive.

2,080,147
SLUDGE REMOVAL APPARATUS
Verl E. McCoy, Chicago, Ill., and Ralph W. Anderson, Wauwatosa, Wis., assignors to Wilson Engineering Corporation, Chicago, Ill., a corporation of Delaware
Application June 10, 1935, Serial No. 25,832
8 Claims. (Cl. 122—382)

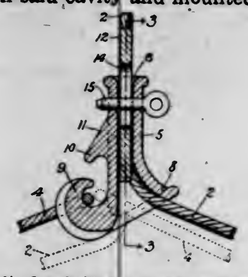


1. In combination with a locomotive and the outer stack thereof, an exhaust steam nozzle below said stack, a centrifugal separator having a central passage therethrough and mounted inside the front end of the locomotive with said central passage registering with said stack, the lower end of said passage being spaced apart from and vertically above the nozzle, means for delivering sludge tangentially into the separator, means for withdrawing water from the separator, and means for delivering the steam separated from the sludge into the stack.

2,080,148
CHOKER HOOK
Archie M. Naysmith, Kenosha, Wis., assignor to Macwhyte Company, Kenosha, Wis., a corporation of Wisconsin
Application October 7, 1935, Serial No. 43,889
16 Claims. (Cl. 294—74)

1. A choker hook comprising a body formed with a cavity, said cavity having an inclined surface, a main hook formed integrally with said body, a guard hook formed integrally with said

body and facing said main hook, a wedge positioned within said cavity and mounted upon said

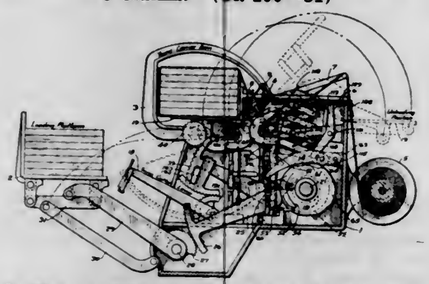


body for limited relative movement with respect thereto.

2,080,149
AUTOMATIC KNOT TYING MACHINE FOR RIGID BUNDLES

Frank L. Parker, Snoqualmie, Wash.

Application March 21, 1933, Serial No. 661,943
6 Claims. (Cl. 100—31)

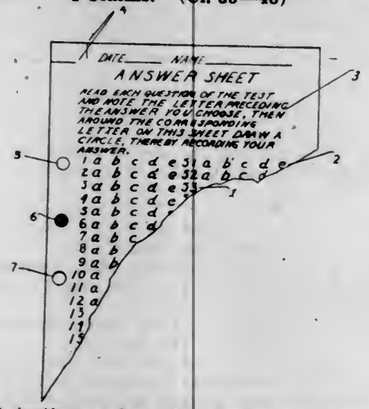


2. The combination of a knot tying machine adapted to tie knots around a non-yielding object, of means tying one knot against said object, additional means adapted to tie a second knot around the cord, means cinching the second knot against the first and means holding the free end of the cord in tension, while the second knot is moved against the first.

2,080,150
TESTING AND SCORING DEVICE

Hans Jordan Peterson, Hattiesburg, Miss., and John Christian Peterson and Harold H. Higginbottom, Manhattan, Kans.

Application April 3, 1934, Serial No. 718,878
4 Claims. (Cl. 35—48)

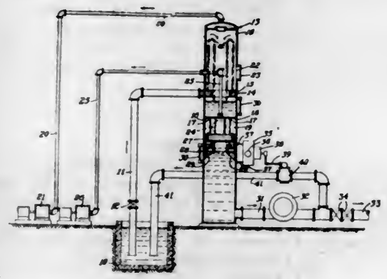


1. A testing and scoring device comprising in combination with a base, a plurality of sheets arranged in superposed alignment each provided with indicated locations for the recording of optional answers, a key plate provided with perforating pins, said pins being positioned to perforate the correct answer locations on the answer sheets upon superposed alignment of the key plate and answer sheets, and means for holding the foregoing parts in superposed alignment so that by pressing the key plate and base board together with sufficient force to thrust the said perforating pins through all the answer sheets, the correct answer locations are marked by perforations, and the incorrect answer locations are not so marked.

2,080,151
APPARATUS FOR DEGASIFYING LIQUIDS

Sheppard T. Powell, Baltimore, Md., and James A. Powell, Reading, Pa.

Application June 4, 1935, Serial No. 24,866
4 Claims. (Cl. 183—2.5)



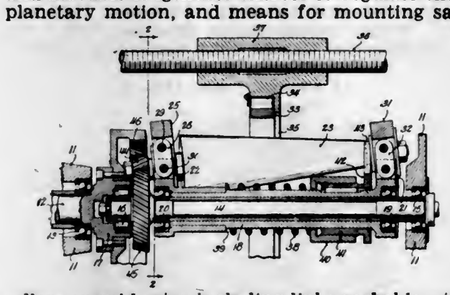
3. An apparatus for degasifying liquids comprising a tank, a perforated partition plate transversely mounted in said tank and sub-dividing the tank into an upper chamber and a lower chamber, a vacuum producing apparatus connected by suitable piping to the top of said upper chamber, a second vacuum producing apparatus connected by suitable piping to the top of said lower chamber, the upper chamber communicating with the lower chamber through the said partition plate, means for introducing undegasified liquid into said first chamber nearer the bottom than the top thereof in such manner that the liquid first progresses upwardly as a jet and then falls freely through the chamber, a supply of partially degasified liquid accumulating on said partition plate and flowing at a rate determined by the sizes of the apertures in such partition plate into the lower chamber, wherein the degasification of the liquid is completed, means for introducing the liquid into the lower chamber in a relative state of quiescence as compared to the liquid in the upper chamber, and means for preventing the liquid level in the lower chamber from exceeding a predetermined maximum.

2,080,152
VARIABLE SPEED TRANSMISSION

Walter P. Schmitter, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application September 11, 1936, Serial No. 100,269
6 Claims. (Cl. 74—284)

1. In a variable speed transmission the combination of a rotor, a plurality of tapered inclined planet rollers rotatable with and with respect to said rotor, a traction ring encircling said rollers and movable lengthwise thereof to regulate their planetary motion, and means for mounting said

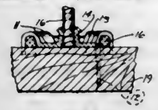


rollers on said rotor including links rockable with respect to said rotor and rollers.

2,080,153
CORD FASTENER OR HOLDER

Frank W. Steinacker, Cleveland, Ohio; Martha Steinacker executrix of said Frank W. Steinacker, deceased

Application February 12, 1936, Serial No. 63,508
5 Claims. (Cl. 155—179)

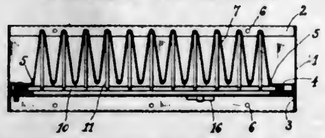


1. A cord or rope fastener comprising a disk having a raised portion provided with an aperture therein, and a plurality of upwardly bent fingers extending radially from the disk, said upwardly bent fingers forming a channel wherein a cord may be confined when the fingers are depressed.

2,080,154
AIR FILTER

Richard Strindberg, Worcester, Mass., assignor to Development Associates, Inc., Worcester, Mass., a corporation of Massachusetts

Application December 10, 1932, Serial No. 646,583
4 Claims. (Cl. 183—71)



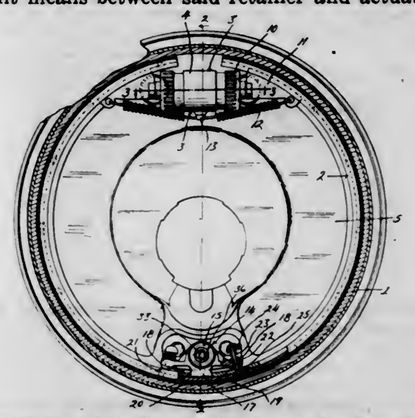
3. A filter unit comprising a rectangular casing having a plurality of parallelly arranged supporting bars therein, a filter glove, a distender frame having a plurality of supporting members cooperating with the bars for holding the glove in distended position, and a clamping member for holding said distender frame in position in the casing, said clamping member cooperating with the edge of the filter glove to form an air seal at the edge thereof.

2,080,155
BRAKE STRUCTURE

George Joseph Thomas, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application April 30, 1934, Serial No. 723,238
10 Claims. (Cl. 188—78)

1. In a brake structure, the combination of an anchor pin, an actuating member for a brake friction means mounted on said pin, a retainer for the friction means secured to said pin, and resilient means between said retainer and actuating

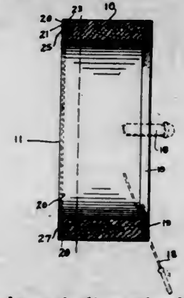


member and serving to hold said retainer from accidental disengagement from said pin and to position the friction means.

2,080,156
REENFORCED GRINDING WHEEL

Carl Wolf, Meriden, Conn., assignor to Wolf's New Process Abrasive Wheel, Inc., Meriden, Conn., a corporation of Connecticut

Application August 15, 1936, Serial No. 96,187
13 Claims. (Cl. 51—209)



1. In a tubular grinding wheel of solid molded abrasive material having a flat base, a wire embedded in said material adjacent the outer edge thereof, and a reenforcing plate having a converging inclined side section embracing said wire and having its outer surface flush with the base of said wheel.

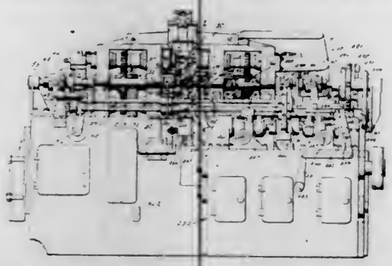
2,080,157
TURNING AND FACING MACHINE

George F. Yager and Oliver J. Heath, Toledo, Ohio, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio, a corporation of Ohio

Application December 12, 1933, Serial No. 702,042
73 Claims. (Cl. 29—38)

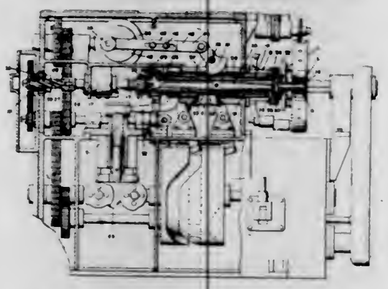
1. In a metal working machine, a turret carrying a plurality of clamps for securing articles to be worked in assembled relation therewith, a work performing station predeterminedly located with respect to the turret, means for indexing the turret to successively register the articles carried thereby with the work performing station, means at the aforesaid station operable in timed relation to the indexing movement of the turret for engaging the article in registration

with said station to revolve the same, and means for disengaging the clamp from the aforesaid



article in timed relation to engagement of the revolving means with said article.

2,080,158
METALWORKING MACHINE
George F. Yager and Oliver J. Heath, Toledo, Ohio, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio, a corporation of Ohio
Application April 29, 1935, Serial No. 18,953
10 Claims. (Cl. 29—38)

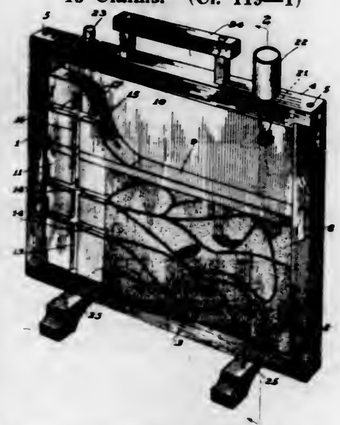


1. In a metal working machine having work performing stations spaced from each other, means for successively positioning a bushing blank in operative relation to each of the stations, a grooving tool assembly at each station comprising a spindle carrying a tool insertable into the bushing blank as the latter is positioned in registration with each station, means for simultaneously reciprocating the spindles of both of the assemblies along their respective axes, and means rendered operative by reciprocation of the spindles to simultaneously rotate the latter in opposite directions about their axes.

2,080,159
PROCESS OF TREATING STEEL
Robert S. Archer, Chicago, Ill., assignor to The Republic Steel Corporation, Youngstown, Ohio, a corporation of New Jersey
No Drawing. Application June 5, 1935, Serial No. 25,127. Renewed March 10, 1937
3 Claims. (Cl. 22—214)

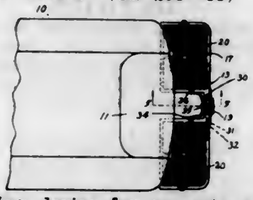
1. The method of treating steel to prevent the formation of "hair line seams" in articles rolled from such steel, which includes the steps of adding to molten steel a small amount of a metallic deoxidizer and bringing such steel into a mold containing carbon tetrachloride, a chlorine rich atmosphere, thereby collecting and bringing to the top surface of the steel "seam causing" oxides.

2,080,160
SCENIC INSECT CAGE
Frank Eugene Austin, Hanover, N. H.
Application May 26, 1936, Serial No. 81,868
In Canada May 6, 1936
13 Claims. (Cl. 119—1)



1. A scenic insect cage comprising parts forming an enclosure for containing insects and a filling in which the insects may burrow, and which cage is provided with a glass side, and means within said enclosure provided with a cut adjacent the glass with an end opening to said filling and along which cut the insects travel to said filling.

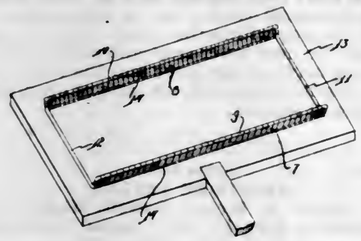
2,080,161
AUTOMOBILE PROTECTING DEVICE
Bernard Berggren, Genoa, Nebr.
Application January 25, 1936, Serial No. 60,759
1 Claim. (Cl. 293—55)



A protecting device for an automobile body provided with a bumper comprising an elongated frame having oppositely disposed deflector portions pivotally carried thereby, means for securing said frame to said body for disposing said deflectors transversely under said body and outwardly from the rear lower edge thereof, said deflectors adapted to swing horizontally under the bumper of said automobile on their said pivots, detent means for limiting swinging movements of said deflectors away from said body, and resilient means for returning said deflectors to a normal position of alignment with respect to each other after an inward swinging movement.

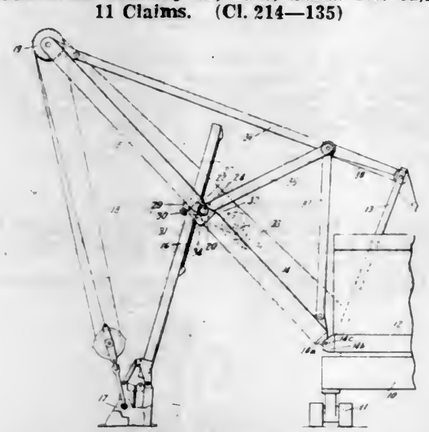
2,080,162
METHOD OF BAKING
Ausborn M. Bradley and George E. Watson, Detroit, Mich., assignors to Bakeries Service Corporation, New York, N. Y., a corporation of Delaware
Application June 29, 1931, Serial No. 547,622
3 Claims. (Cl. 107—54)

1. The method of baking hearth bread which comprises proofing an elongated piece of dough on a freely portable supporting plate while confining the longitudinal expansion only of the dough to a predetermined length and while permitting free expansion of the piece of dough at



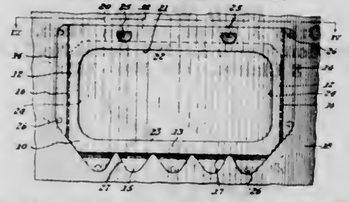
its sides and top, transferring the loaf, while remaining so confined, to a hearth, and baking the loaf on the hearth while it is so confined whereby a loaf of hearth bread of predetermined length is formed.

2,080,163
BOOM FOR EXCAVATING MACHINES OR THE LIKE
Adrien F. Busick, Jr., Marion, Ohio, assignor to The Marion Steam Shovel Company, Marion, Ohio, a corporation of Ohio
Application January 29, 1936, Serial No. 61,357
11 Claims. (Cl. 214—135)



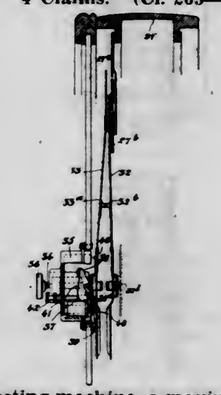
1. In an excavating machine having a revolving part, a gantry carried thereby, a boom comprising an inner section mounted on said revolving part for limited movement about a longitudinal axis and an outer section substantially in a line with said inner section and pivotally connected therewith, means for mounting a dipper handle on said boom adjacent to said pivotal connection and for actuating the same, a strut connected at one end with said boom adjacent to said pivotal connection and extending therefrom approximately in the line of thrust of said dipper handle, a second strut connecting the other end of the first mentioned strut with the outer boom section near the outer end of the latter, and a third strut connecting the adjacent ends of the two first mentioned struts with the inner boom section near the foot thereof, and a flexible connection between said gantry and the connected ends of the three struts for supporting said boom in an inclined position and permitting said movement about said longitudinal axis.

2,080,164
CARD HOLDER
Guy O. Conner, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application September 14, 1936, Serial No. 100,593
2 Claims. (Cl. 40—10)



2. A card holder comprising a generally rectangular sheet metal stamping having a window therein, the extreme edges of the sides and bottom of the stamping being offset from the edges of the window whereby a card may be disposed between the latter and a container against which said extreme edges abut, the edge of said bottom having notches extending through the angularly disposed metal connecting the bottom edge of the window with the extreme bottom edge of the stamping.

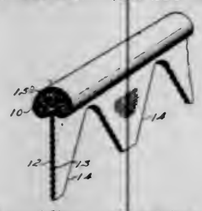
2,080,165
MAXIMUM LOAD INDICATOR FOR TESTING MACHINES
Herbert Nelson Cox, Birmingham, England, assignor to W. & T. Avery Limited, Birmingham, England
Application April 5, 1933, Serial No. 664,515
In Great Britain April 11, 1932
4 Claims. (Cl. 265—1)



1. In a testing machine, a maximum load indicating mechanism comprising a main pointer, an auxiliary pointer adapted to be carried round by the main pointer when moving in a forward direction, a section of a braking device carried by said auxiliary pointer, an electro-magnetic device, a complementary section of the aforesaid braking device controlled by said electro-magnetic device, an electric contact carried by the main pointer and included in the electrical circuit through the solenoid of the electro-magnetic device and an electric contact carried by the auxiliary pointer and also included in the electrical circuit through the solenoid of the electro-magnetic device, said contacts co-operating to control the circuit through the electro-magnetic device so that the braking device is inoperative when the pointers are moving together but operative when the main pointer moves away from

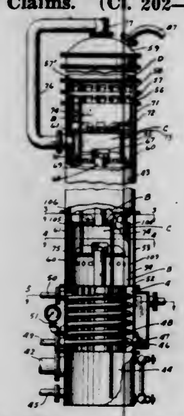
the auxiliary pointer as obtains when the maximum load has been applied whereby the auxiliary pointer is left in a position indicative of the said maximum load.

2,080,166
BEAD MOLDING
Orley J. Crowe, Detroit, Mich.
Application March 3, 1934, Serial No. 713,828
8 Claims. (Cl. 280—152)



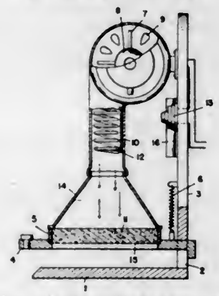
6. A bead molding comprising a flexible strip having a bead along one edge, a thin metal layer covering said bead and terminating at opposite sides of the strip in edges reinforced by being reversely bent upon themselves to resist spreading when the bead is bent.

2,080,167
APPARATUS FOR THE DISTILLATION OF ALCOHOL
Peter Da Valle, South Gate, Calif.
Application March 28, 1934, Serial No. 717,728
Renewed September 26, 1936
2 Claims. (Cl. 202—158)



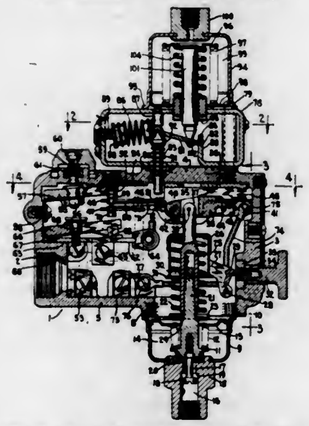
1. A bubble still comprising an outer shell, an inner shell spaced therefrom, a set of bubble trays disposed within the inner shell in spaced relation to each other, said trays having a plurality of radial bubble caps in communication with a central dome and being formed with openings in their side walls to permit the accumulated liquid on the floor of the tray to flow into the radial bubble caps, openings being formed in the side wall in the inner shell at a point beneath each of said trays to permit vapor to flow outwardly in the space between the two shells, a second set of bubble trays, one of which is interposed between each pair of trays of the first set, said second set of bubble trays being formed by the plurality of radially disposed bubble caps, said caps having openings in their side walls through which liquid impounded on the bubble trays may flow, the wall of the inner shell being formed with openings communicating with said bubble caps, a set of pipes extending downwardly through each of said last named bubble trays from a point above the level of a tray to a point adjacent the upper face of a subjacent first named bubble tray, a center pipe, one extending downwardly from each of said first named trays from a point above the level of the tray within the center dome to a point adjacent the next lower tray, and means forming partitions between the inner and the outer shells in a horizontal plane between sets of openings in the side wall thereof.

2,080,168
MOISTURE TELLER
Harry W. Dietert, Detroit, Mich.
Application July 13, 1936, Serial No. 90,447
9 Claims. (Cl. 34—26)



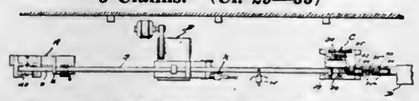
1. A device of the class described, comprising a stand, a fan housing rigid with said stand and having a vertical outlet, and a depressible sand pan support mounted to slide on the stand in alignment with said vertical outlet.

2,080,169
CONTROL DEVICE
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application May 17, 1934, Serial No. 726,036
18 Claims. (Cl. 200—83)



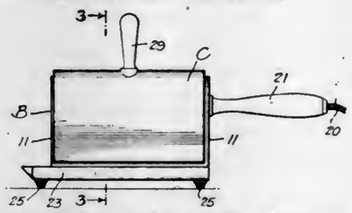
1. A device of the character described, comprising a supporting structure, a control means, an arm pivotally supported by said structure and operable to move said means, power means for moving said arm in one direction, a magnet cooperable with said arm and opposing operation of said arm by said power means, a spring for moving said arm in the opposite direction and opposing operation of said arm by said power means, a magnet cooperable with said arm and opposing operation of said arm by said spring, one of said magnets being mounted for pivotal movement whereby it is adjustable relative to said arm, and means to move the free end of said movable magnet.

2,080,170
APPARATUS FOR BABBITTING A CONTINUOUS STRIP IN THE FORMATION OF HALF BEARINGS AND THE LIKE
Charles W. Eggenweiler and William J. Fiegel, Detroit, Mich., assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich., a corporation of Michigan
Application January 31, 1933, Serial No. 654,442
Renewed October 9, 1936
6 Claims. (Cl. 29—33)



1. In an apparatus of the class described, means for advancing a continuous strip of metal, means for maintaining a column of molten babbitt metal at one side of the strip and flowing the same transversely of the path of movement of the strip in contract therewith for depositing a layer of babbitt metal on one surface of the strip during the travel thereof, and means acting during the continued movement of the strip for machining the babbitted surface thereof.

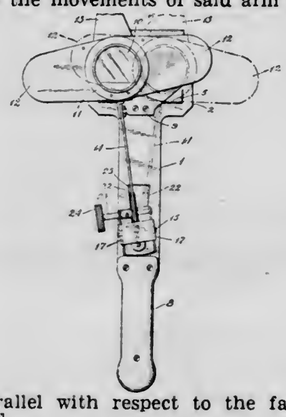
2,080,171
COOKING UTENSIL
Jerry B. Fairbanks and Robert W. Carlisle, Los Angeles, Calif.
Application June 16, 1936, Serial No. 85,456
13 Claims. (Cl. 53—5)



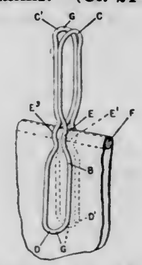
1. A utensil for cooking strips of bacon comprising means defining relatively inclined flat cooking surfaces converging to an approximate apex and exposed to receive strips of bacon which can be draped to extend lengthwise from the apex downwardly along in contact with the surfaces for cooking when the utensil is heated; and means for collecting rendered grease draining by gravity from said surfaces during the cooking operation.

2,080,172
READING MACHINE
Bradley A. Fiske, New York, N. Y.
Application October 12, 1935, Serial No. 44,699
2 Claims. (Cl. 88—39)

1. In a reading machine, the combination of a supporting standard having an opening therein, an arm pivoted to said standard near its lower end, a lens carried by said arm and a cam located in said opening and cooperating with said arm to move the same toward and away from the standard in focussing, said cam also acting as a stop by engaging the sides of said opening to limit the movements of said arm in a direction parallel with respect to the face of said standard.

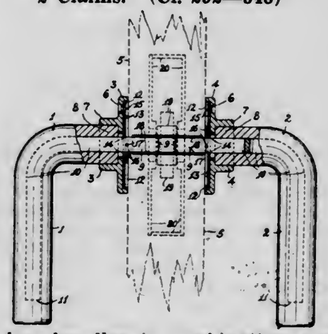


2,080,173
CLIP
Henri Guimond, Detroit, Mich.
Application April 6, 1936, Serial No. 73,001
3 Claims. (Cl. 24—81)



1. A clip comprising an endless resilient wire having portions thereof forming oppositely extending pairs of loops parallel respectively to transverse planes, the portions between oppositely extending loops being contracted to form a clamp.

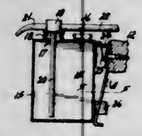
2,080,174
DOOR HANDLE AND THE LIKE
Henry Morris Hart and Hector Raymond Hart, Durban, and Edward Hector Lonsdale Hart, Johannesburg, Union of South Africa
Application January 22, 1936, Serial No. 60,298
In the Union of South Africa November 13, 1935
2 Claims. (Cl. 292—348)



1. In door handles, in combination, a pair of

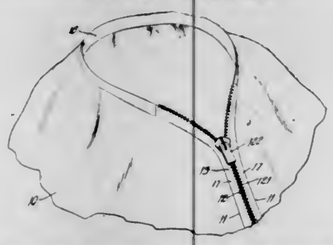
handles each constructed with an inwardly projecting spindle portion of non-circular shape in cross-section, means for rotatably attaching said handles to opposite sides of the door, and a hollow connecting piece of the same shape internally as the spindles are externally, which is positioned between the handles and is slidably and non-rotatably engaged by the inwardly projecting spindle portions, as set forth.

2,080,175
COMBINED HAND IRON AND WORK MOISTENER
Shichigoro Kuno, Ogden, Utah
Application September 24, 1935, Serial No. 41,876
3 Claims. (Cl. 38—78)



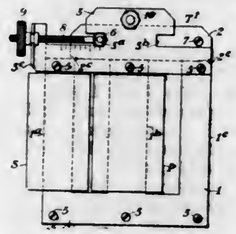
1. In operative combination, a hand flat-iron formed with a handle, an apertured bracket projecting forwardly from the forward end of said handle, a liquid reservoir formed with a hook adapted to engage said apertured bracket for suspension of said reservoir on and forwardly of said iron handle, spring-yoke means carried by said reservoir for engagement with a handle support to position and steady said reservoir relative to said iron, spray-generating means carried by and in operative association with said reservoir, said latter means including a jet nozzle projecting forwardly from said reservoir and a pressure tube extending rearwardly from said reservoir across said handle bracket, spring-clip means interconnecting the rear end of said pressure tube and the forward end of said handle, and a pressure bulb communicating with the rear end of said pressure tube and thereby positioned in superposed relation with and for compression against said handle.

2,080,176
APRON
Joseph L. Laib, Albany, N. Y.
Application February 25, 1936, Serial No. 65,595
1 Claim. (Cl. 2—50)



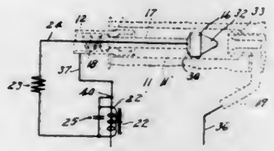
A shampoo apron comprising a neckband of insufficient length completely to encircle the neck of the user, said apron being open from top to bottom, a slide fastener comprising two cooperating interlocking elements secured to the respective edges of said apron and extending substantially to the ends of said neckband and forming a substantial continuation thereof whereby the closing of said slide fastener causes said neckband and the cooperating parts closely to engage the neck of the user.

2,080,177
TRANSFORMER
Samuel M. Lucas, Pittsburgh, and Conrad H. Zierdt, Rosedale, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 26, 1935, Serial No. 18,306
11 Claims. (Cl. 171—119)



1. A reactive transformer comprising a stationary core member provided with three parallel legs connected at one end by a backstrap, a movable core member mounted for longitudinal sliding movement between two extreme positions at the ends of said legs opposite to said backstrap in such manner than one flux path is formed by a first one of said legs, a second one of said legs and said movable member and another flux path is formed by said first leg, the remaining leg, and said movable member, and that movement of said member from one extreme position toward the other will simultaneously increase the reluctance of one path and decrease the reluctance of the other path, said movable member being provided adjacent its ends on the side nearest said stationary core member with inclined surfaces which cooperate with the adjacent legs of said stationary core member in such manner that the reluctances of said two flux paths will vary uniformly in response to the movement of said movable member, a primary winding disposed on said first leg only, and a secondary winding disposed on said second leg only.

2,080,178
ELECTRICAL CIRCUIT BREAKER
Olav Maseng, Evanston, Ill.
Application October 22, 1934, Serial No. 749,330
20 Claims. (Cl. 175—294)



1. A circuit breaker comprising a housing of insulating material having a chamber extending longitudinally thereof and having an opening through the housing wall to atmosphere, a pair of main contact members in the housing, one of the said contacts being adjacent the said opening and having a passageway therethrough, an intermediate contact positioned in the arc path between the said main contacts and normally in engagement therewith thereby closing the said passageway in the one main contact, said main contact being spring supported, means for withdrawing the other main contact from engagement with the intermediate contact thereby drawing an arc in the chamber and producing a high gas

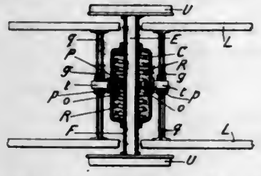
pressure therein, and means whereby, in withdrawal of the said other main contact, the intermediate contact is in sequence withdrawn from engagement with the main contact having the passageway thereby opening the chamber to atmosphere and causing a passage of the gases across the normally contacting surfaces of the intermediate contact and the said main contact having the passageway, and means for imposing a positive potential at the intermediate contact during the opening of the circuit breaker.

20. In an electrical circuit breaker having separable contact members, an auxiliary circuit connecting one of the contact members to a point in the path of an arc drawn therebetween, said auxiliary circuit including a source for impressing a potential substantially positive to the arc space at the said point in the arc path.

2,080,179
TREATMENT OF ORGANIC PRODUCTS
Charles J. Merriam, Winnetka, and Russell Wiles, Chicago, Ill., assignors to Guardite Corporation, a corporation of Illinois
No Drawing. Application July 10, 1936, Serial No. 89,982
17 Claims. (Cl. 21—58)

11. A method of preventing packing of non-condensible gases in the interstices of a bulk product which comprises boiling a condensible gas of low vapor pressure within the product at substantially atmospheric temperatures at a high vacuum and continuing the boiling until substantially all non-condensible gases are washed from the interstices of the product and replaced by the condensible gas, and then introducing an impregnating fluid at substantially higher pressure.

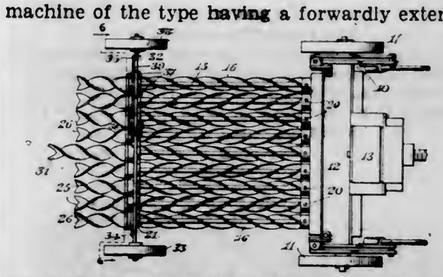
2,080,180
DEVICE ENSURING RATIONAL SUSPENSION OF RAILROAD VEHICLES
George Louis René Jean Messier, deceased, late of Paris, France, by Yvonne Lucie Messier, born Bonnamy, administratrix, Paris, France
Application May 6, 1933, Serial No. 669,771
In France May 10, 1932
1 Claim. (Cl. 105—171)



System for the rational suspension of railroad vehicles, comprising an underframe, an axle, a cylinder following the lateral displacements of the underframe, a liquid filling this cylinder, in this cylinder a piston following the lateral displacements of the axle, narrow orifices in the piston, means acting for constantly restoring the cylinder to a mean position, trunnions rigid with the cylinder and journalled in bearings, vertical guides for these bearings and rigid with the underframe.

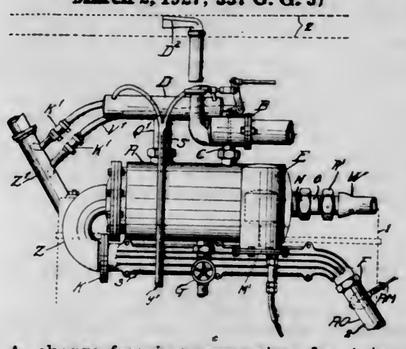
2,080,181
COAL UNDERCUTTING MACHINE
Gideon D. Miller, Springs, Pa.
Application April 2, 1935, Serial No. 14,323
6 Claims. (Cl. 262—22)

3. In combination with a coal undercutting machine of the type having a forwardly extend-



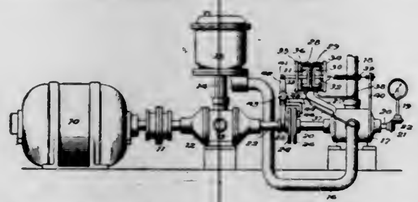
ing bank of augers, a detachable wheeled support for the forward portion of the bank of augers.

2,080,182
CHARGE FORMING APPARATUS
Antonio Olivotti and Elia Olivotti, Venezia, Italy
Application October 24, 1932, Serial No. 639,358
In Italy October 23, 1931
2 Claims. (Cl. 123—133)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



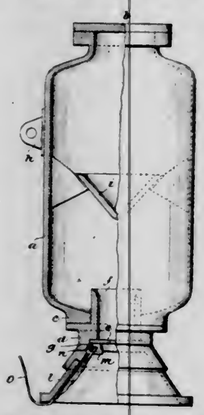
1. A charge-forming apparatus for internal combustion engines including a carburetting chamber, ports in said chamber for receiving air and vapor said chamber being in direct communication with the engine for supplying a cold stable homogeneous fog in its original pressure condition, a needle valve arranged in said chamber and adapted to reciprocate in one of said ports for opening and closing said port for controlling the admission of the vapor to said chamber, a slide valve for controlling the admission of cold air through a second port into said chamber, the air control valve being arranged up-stream of the vapor control valve, means for connecting the valves together so as to obtain synchronous operation thereof, said connecting means constituting an acceleration means, the air valve having a suitably shaped hole in order to maintain the proportions between air and vapor entering said chamber constant with all engine speeds; the port in said carburetting chamber for the vapor control valve delivering direct into the air current and lying at the periphery of the air current and pointing to the center of this current, so that the vapor issues into the air current with a velocity which increases as the needle valve moves toward closed position in said port, and a stationary helix occupying the whole cross section of the air passage adjacent said needle valve for effecting a vigorous whirling action of the air in order to produce an intense turbulent and rapid movement of the air before the air encounters the vapor.

2,080,183
VOLUMETRIC METER
Reginald J. S. Pigott, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application November 5, 1935, Serial No. 48,433
3 Claims. (Cl. 73—199)



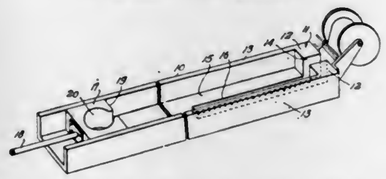
1. Metering apparatus for liquids comprising a meter adapted to indicate the quantity of liquid passing through it, a shaft extending from the meter and rotated by the flow of liquid, a motor adapted to run during operation of the meter, a normally disengaged clutch between the motor and the meter shaft, a divided chamber having separate compartments in communication with the inlet and outlet, respectively of the meter, a bellows in each compartment of said chamber responsive to liquid pressure, means connecting said bellows to operate in unison and for actuating said clutch upon the establishment of an undesired pressure differential between the inlet and outlet of the meter, whereby the motor will be directly coupled to the meter to assist in driving the same and thereby will reduce the pressure differential to a desired value.

2,080,184
APPARATUS FOR THE RECOVERY OF OBJECTS
Giovanni Quaglia, Genoa, Italy
Application September 12, 1934, Serial No. 743,734
In Italy September 16, 1933
2 Claims. (Cl. 294—86)



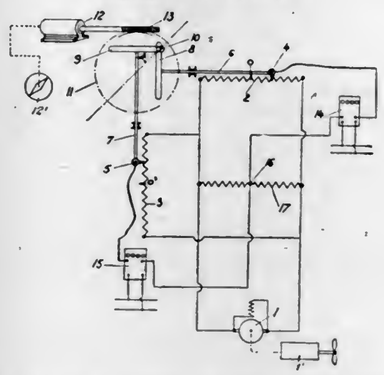
1. In a device of the character described, comprising a receptacle having an opening at one end, a crystal valve normally closing said opening and adapted to withstand hydrostatic pressure, means arranged externally of said receptacle for breaking said valve, and a cup-like member supported in said receptacle above said opening and adapted to retain a portion of the material entering said receptacle subsequent to the breaking of said valve.

2,080,185
APPARATUS FOR PACKAGING ARTIFICIAL SILK
Ferdinand Rathgeber, Ede, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application April 5, 1934, Serial No. 719,222
In Germany May 16, 1933
1 Claim. (Cl. 100—31)



An apparatus for flattening collapsible masses of artificial silk and the like to permit the tying thereof into a unit comprising a body portion having a substantially horizontal bottom and side walls extending thereabove acting as a receiver and guide for a plurality of collapsible masses of artificial silk, an abutment at the end of the body against which an end mass is adapted to bear, said abutment being integral with the receiver and entirely divided to provide a freely accessible slot and the body portion being provided with a longitudinal slot adjacent the abutment corresponding to and in alignment and forming a continuation of the slot in the abutment, a hollow pressure plunger also having a slot therein in alignment with the two aforementioned slots and arranged for movement within the body portion and being adapted to be moved to a position wherein the plunger slot forms a continuation of the longitudinal slot and is adapted to collapse the masses of artificial silk and to lie over the slot in the bottom of the body portion when the masses are collapsed, said slots in the abutment, body portion and plunger providing passageways through which a binding tape may be readily passed for securing the mass together while subjected to the force of the pressure plunger.

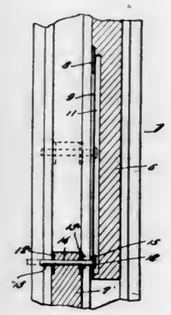
2,080,186
LATITUDE AND LONGITUDE METER FOR SHIPS
Henry Claude Reymond, Paris, France
Application July 25, 1934, Serial No. 736,958
In France August 5, 1933
7 Claims. (Cl. 235—61)



1. A device for measuring the displacements in longitude and in latitude of a ship, an air-ship

or the like, comprising means for measuring the speed and the route angle, means for generating a voltage proportional to said speed, means for resolving said voltage into two components proportional respectively to the sine and to the cosine of the route angle, two integrating devices and means for actuating each one of said integrating devices respectively by one of the two said voltage components.

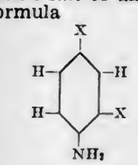
2,080,187
WINDOW FASTENER
Frank I. Sanda, Steelton, Pa.
Application March 12, 1936, Serial No. 68,522
1 Claim. (Cl. 292—57)



A latch of the character described comprising a slotted plate, said plate being provided with an enlarged opening at one end with which the slot therein merges, a slidably and rotatably mounted bolt provided with a head, operative in the slot, said head being of a diameter greater than the slot to normally prevent withdrawal therefrom and said head being provided with a radially disposed lug capable of being passed through the slot of the plate when the head of the bolt is registering with the enlarged opening, said lug gravitating toward one side of the slot in the plate to normally maintain the lug out of registry with the slot when the head is registering with the enlarged opening.

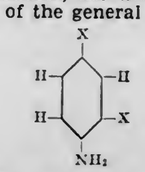
2,080,188
AMINO-ARYLSULPHONE-SULPHONIC ACIDS AND PROCESS OF MAKING SAME
Jakob Scheidegger, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application February 26, 1936, Serial No. 65,917. In Switzerland July 8, 1935
7 Claims. (Cl. 260—129)

1. As a new process, the baking of the sulphuric acid addition salt of amino-arylsulphones of the general formula



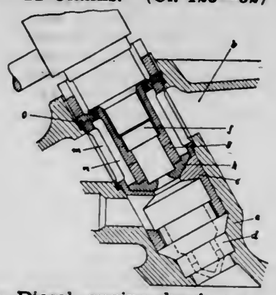
in which one X stands for hydrogen and the other X stands for a sulphone radical SO_2—R, R standing for a member of the group consisting of a lower alkyl, benzyl and aryl of the benzene series.

4. As new products, the amino-arylsulphonesulphonic acids of the general formula



in which one X stands for a SO_3H-group and the other X stands for a sulphone radical SO_2—R, R standing for a member of the group consisting of a lower alkyl, benzyl and aryl of the benzene series, which products are light colored powders dissolving easily in water on addition of alkalies and which are converted into diazo-compounds by the use of nitrites and acids.

2,080,189
INJECTION NOZZLE FOR INTERNAL COMBUSTION ENGINES
Karl Schwaiger, Gaggenau/Baden, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany, a company of Germany
Application August 14, 1933, Serial No. 685,138
In Germany August 17, 1932
11 Claims. (Cl. 123—32)

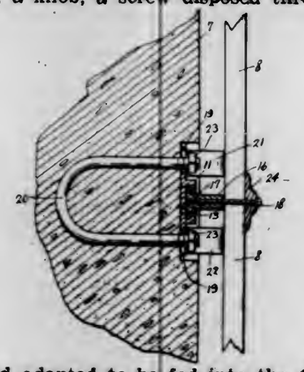


1. In a Diesel engine having a combustion space and a wall with a bore therein in open communication with the combustion space, a fuel injection nozzle having an injection opening at one end arranged in said bore for injecting fuel into the combustion space, said wall having a flange-like projection extending inwardly from the said bore between the end of the nozzle having the injection opening and the combustion chamber, a sleeve in said bore surrounding the injection nozzle and a substantially annular deformable intermediate piece arranged in the bore between the flange-like projection and the end of the nozzle having the injection opening, and the corresponding end of the sleeve, the inner diameter of the intermediate piece being smaller than the said end of the nozzle so as to screen part of said end from the combustion space, the fuel injection nozzle being applied to the intermediate piece under pressure so as to produce a certain amount of deformation of the intermediate piece and the sleeve being applied to the intermediate piece substantially without pressure.

2,080,190
MAUSOLEUM
John B. Sinner, San Diego, Calif.
Application August 3, 1936, Serial No. 94,088
4 Claims. (Cl. 72—7)

1. Fastening means for crypt closure slabs comprising a base plate provided with guide

means thereon, a slide plate disposed into the guide and provided with an outstanding flange thereon, a knob, a screw disposed through the



knob and adapted to be fed into the flange to clamp the edge portions of the closure slabs between the said knob and the outer edge of the flange.

2,080,191

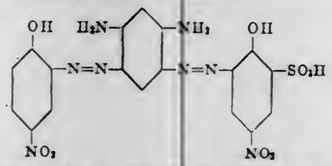
COMPLEX METAL COMPOUNDS OF DISAZO-DYESTUFFS

Fritz Straub and Hans Mayer, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. **Application March 28, 1935, Serial No. 13,582. In Switzerland January 24, 1935**

1 Claim. (Cl. 260—11)

Disazo-dyestuffs containing iron and nickel in complex union, of the formula



which are black powders soluble in water and dyeing animal fibers, particularly leather, uniform brown tints of good fastness.

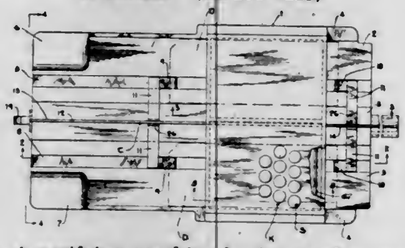
2,080,192

VERIFYING PUNCH MACHINE FOR DUPLICATE CARDS

Walter K. Youngberg, Meriden, Conn.

Application November 26, 1935, Serial No. 51,707

65 Claims. (Cl. 164—113)



1. A verifying machine having card receiving means, and verifying mechanism having manually operable verifying keys and mechanism controlled by a card in said receiving means independently of the operation of said keys and controlling the possible manual operation of said keys.

2,080,193

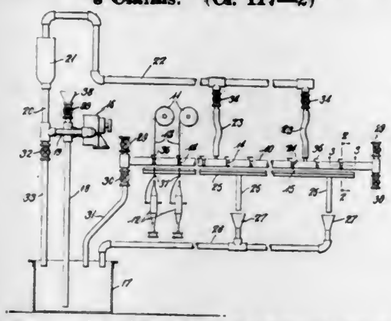
TREATMENT OF ARTIFICIAL SILK

Willem Bakker, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware

Application January 21, 1936, Serial No. 60,110

In Germany February 5, 1935

8 Claims. (Cl. 117—2)



1. In combination with a twisting apparatus for artificial silk threads, a moistening device comprising a rotatably adjustable and substantially horizontal pipe having a plurality of annular grooves the spaced points for guiding the threads to the twisting apparatus and a plurality of apertures associated with the grooves and in substantially the middle portion of the side of the pipe, the apertures serving to conduct fluid from the interior of the pipe to moisten the threads contacting the grooves.

2,080,194

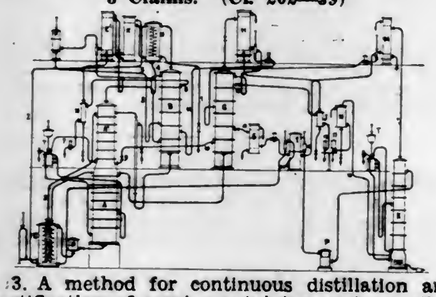
APPARATUS AND PROCESS FOR THE CONTINUOUS DISTILLATION-RECTIFICATION OF MUSTS CONTAINING ACETONE, ETHYL ALCOHOL, AND BUTYL-ALCOHOL

Emile Augustin Barbet, Paris, France

Application November 28, 1933, Serial No. 700,158

In France December 1, 1932

3 Claims. (Cl. 202—39)



3. A method for continuous distillation and rectification of musts containing acetone, ethyl alcohol and butyl alcohol obtained directly from these musts, comprising preheating said musts, distilling the musts in a distilling column of two superposed zones of different working capacities, the musts being subjected to moderate boiling in the upper zone so as to distill only the lighter parts and particularly the whole of the acetone, while removing in the lower zone the ethyl alcohol and butyl alcohol from the must, the impure acetone from the head of the column being rectified in a first rectifying column, and extracted in a state of purity from this column, the ethyl alcohol mixed with the butyl alcohol from the lower zone of the initial distilling column passing in a state of vapours into a second rectifying column wherein is effected the separation of the ethyl alcohol and the butyl alcohol, the ethyl alcohol being extracted in a very highly rectified state at the top of the said second rectifying column, while an azeotropic mixture of butyl alcohol and water containing neither acetone nor ethyl alcohol is extracted towards the centre of the said second rectifying column and after cooling is introduced into a decanter in which the butyl alcohol and water are separated into two layers, the butyl alcohol layer, which is then richer in alcohol than said azeotropic mixture, passing into a last rectifying column wherein butyl alcohol is extracted at the base of this column in the state of anhydrous vapours and passing finally into a cooling condenser while a mixture of water and butyl alcohol is extracted in a vapour state at the top of this column; this water and butyl alcohol mixture after condensation, being supplied partly to the decanter and partly to the rectifying column preceding the decanter.

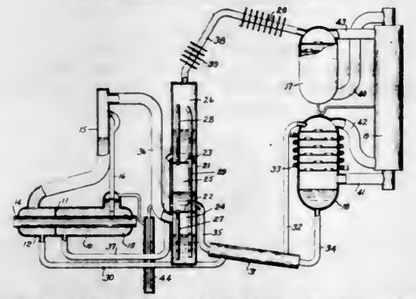
2,080,195

ABSORPTION REFRIGERATION SYSTEM

Harry K. Bergholm, Larchmont, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware

Application April 26, 1933, Serial No. 668,027

12 Claims. (Cl. 62—119.5)



1. In an absorption refrigeration system of the pressure equalized type, a generator, an absorber, a plurality of vapor liquid lift members arranged in series for raising absorption solution from said absorber into said generator, the first of said members being supplied with vapor directly from said generator.

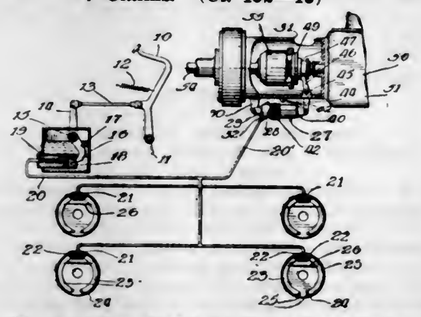
2,080,196

BRAKING MECHANISM

Myron W. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application March 9, 1932, Serial No. 597,696

7 Claims. (Cl. 192—13)



1. In an automotive vehicle having a driving mechanism including a one way clutch, the combination of a first braking means, a lever for operating said means, a second braking means, a second lever for operating said second braking means, means for rendering said one way clutch ineffective, and connections between said last-named means and said levers.

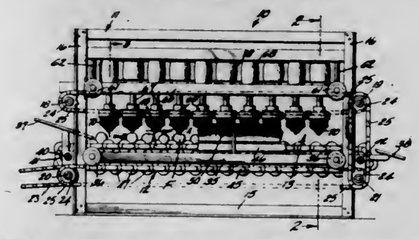
2,080,197

FRUIT BRUSHER

Harry J. Brandenburg, Glendora, Calif., assignor of fifty-five per cent to F. E. Wood, W. G. Cartter, J. B. Seem, and W. J. Bailey, all of Monrovia, Calif.

Application July 10, 1934, Serial No. 734,477

12 Claims. (Cl. 146—199)



1. A combination as in claim 6 in which said brush is tapered to provide a pointed portion on the lower end thereof.

6. In a fruit treating machine, the combination of: a frame; a horizontal conveyor mounted on said frame; means on said conveyor forming a plurality of definitely located fruit trapping depressions and a brush mounted over said conveyor, said brush being rotatable about a vertical axis and positioned to contact fruit disposed on said conveyor in said depressions, said depressions retaining said fruit against displacement in relation to said conveyor by said brush.

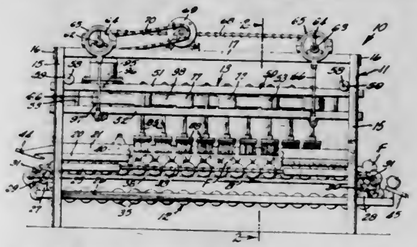
2,080,198

FRUIT BRUSHER

Harry J. Brandenburg, Glendora, Calif., assignor of fifty-five per cent to F. E. Wood, W. G. Cartter, J. B. Seem, and W. J. Bailey, Monrovia, Calif.

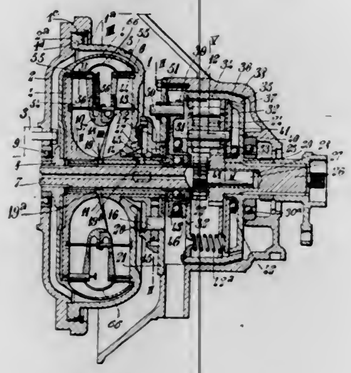
Application February 9, 1935, Serial No. 5,749

13 Claims. (Cl. 146—202)



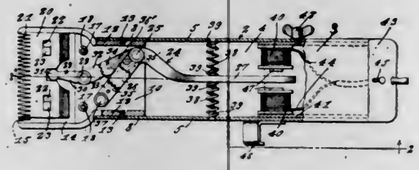
1. In a fruit treating machine, the combination of: a frame; a conveyor mounted on said frame for carrying pieces of fruit; a rotary treating element mounted on said frame over said conveyor and extending downwardly into contact with said fruit, said treating element being yieldable upwardly; means for rotating said treating element about a vertical axis; and means responsive to engagement between said element and said fruit to draw said treating element upwardly away from said fruit to reduce the force exerted on said fruit by said treating element.

2,080,199
HYDRAULIC DEVICE FOR THE TRANSMISSION OF MOVEMENT
Dimitri Sensaud de Lavaud, Paris, France
Application February 13, 1934, Serial No. 711,057
In France February 18, 1933
11 Claims. (Cl. 60—54)



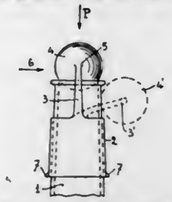
1. In a hydraulic transmission, a rotary pump, a turbine operated by the fluid discharged from the pump and arranged to return the fluid to the pump, a guide vane ring between said two devices, the pump, the turbine and the guide vane ring being coaxial with one another, a crown angularly movable relatively to the shell of said guide vane ring, resilient means connecting said crown to the shell of said guide vane ring and acting in opposition to the action of the thrust of the fluid, vanes constituted by blades flexible throughout their length and secured, on the one hand, on the shell of the guide vane ring and, on the other hand, on the said movable crown.

2,080,200
HAIR CLIPPER
Stephen Demosky and Joseph A. Cichanski, Jackson, Mich.
Application June 26, 1936, Serial No. 87,540
4 Claims. (Cl. 30—1)



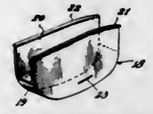
1. In a hair clipper, the combination with a vibratory cutting blade, of a crank having a loose connection with said blade, a driving arm comprising a short and a long arm, a short lever having an operating connection with said short arm, a long lever connected to said short lever, a second short lever operatively connected to said long lever, a second long lever connected to said second short lever and having an operative connection with said crank, and means for actuating said driving arm.

2,080,201
ELASTIC PLUG
Giacinto Donadon, Michele Cardino, and Alessandro Berio, Genoa, Italy, assignors to Soc. An. Salbe, Turin, Italy
Application February 1, 1934, Serial No. 709,374
In Italy October 27, 1933
3 Claims. (Cl. 215—71)



1. A bottle stopper of the character described comprising an elastic attaching sleeve adapted for adjustable and frictional engagement with the neck of a bottle, opposed arms projecting longitudinally from the outer edge of the sleeve and integral therewith, and a plug in the form of a ball having a rubber covering integral with the outer ends of the arms and adapted to be yieldingly and removably held on the mouth of a bottle.

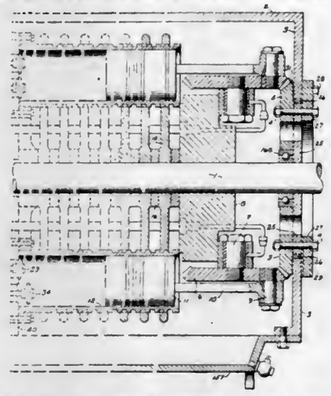
2,080,202
TRIGGER PROTECTOR
Wilkie M. Drake, Breckenridge, Mich.
Application May 27, 1935, Serial No. 23,781
1 Claim. (Cl. 42—1)



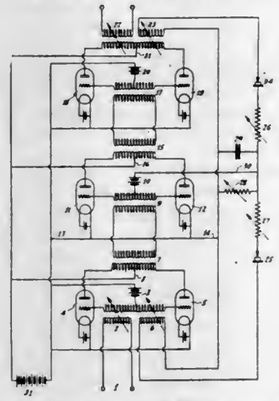
A shield for a gun trigger comprising a trough-shaped body formed of resilient metal and open at its top and ends and having a bottom wall formed with upturned end portions and side walls integrally united to the bottom wall along opposite side edges thereof and extending upwardly above the bottom wall, said body being adapted to fit about a trigger guard in housing relation thereto for preventing accidental contact of a finger with a trigger, the side walls being tensioned toward each other to frictionally grip the trigger guard from opposite sides thereof when the shield is applied thereto and removably hold the shield in position about the trigger guard, upper marginal portions of the side walls being bent outwardly to provide lips serving to facilitate movement of the shield into place about a trigger guard, and lower portions of the side walls having their outer faces formed with finger nail receiving slots to facilitate removal of the shield.

2,080,203
REVERSING VALVE GEAR
Herman A. Finke, St. Louis, Mo.
Application July 29, 1935, Serial No. 33,778
9 Claims. (Cl. 123—41)

3. In a rotary engine wherein the cylinders are mounted for rotation with the engine shaft and each cylinder is provided with a piston and connections for rotating a pinion, the combination of a stationary casing disposed about a portion of the engine said casing provided with a wall having a movable section; a ring gear secured to the movable section of said wall and enmeshed with each pinion; means disposed externally of the casing for shifting said ring gear and pistons to bring about a reversal of cyclic operations of the latter; and means to lock said shifting means to the main body portion of said wall.



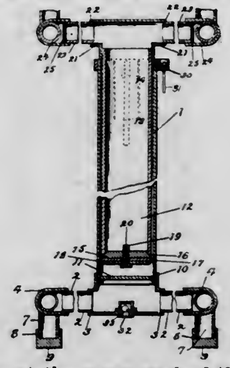
2,080,204
METHOD AND MEANS FOR CONTROLLING TUBE CHARACTERISTICS
Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 12, 1925, Serial No. 74,938
29 Claims. (Cl. 179—171)



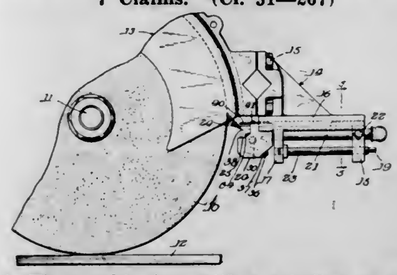
1. In combination, several electron emission tube stages, grid bias means, input and output circuits, comparison circuits coupled with said circuits and including rectifying and impedance elements, and means coupling the bias means and the impedance elements to vary the grid bias according to the ratio of currents in the input and output circuits.

2,080,205
STAND
Worthy C. Harper, Caldwell, Ohio
Application March 31, 1936, Serial No. 71,938
3 Claims. (Cl. 254—93)

1. A stand including a hollow base, a fixed column rising from the base, a plate formed with a bleed opening otherwise sealing the fixed column against the base, a movable column movable in the fixed column, means carried by the lower end of the movable column arranged for sealing connection with the fixed column, said means providing a restricted communication between the fixed column above the plate and the movable column, an article support at the upper end of the movable column, and mechanically operated means at the upper end of the fixed column for securing the movable column against movement, and means for maintaining air under pressure constantly in the movable column above the restricted communication and in the fixed column below the restricted communication.



2,080,206
SPRAY NOZZLE
Harold Holmboe, Chicago, Ill.
Application August 14, 1935, Serial No. 36,186
7 Claims. (Cl. 51—267)

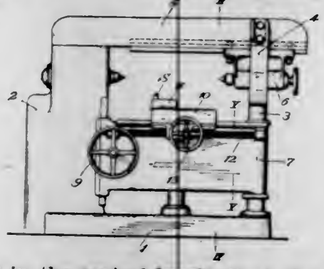


1. The combination with a grinding or polishing wheel, of means for humidifying the air in the vicinity thereof, comprising a spray nozzle for directing a spray of finely atomized liquid toward the working surface of the wheel, said spray nozzle being positioned to direct said spray at an angle against the direction of rotation of the wheel, and means locating the spray nozzle adjacent the wheel and at a point in advance of the point of grinding with respect to the direction of rotation of said wheel.

2,080,207
LATHE
Franz Emil Oskar Hoppe, Rorschacherberg, Switzerland
Application July 13, 1936, Serial No. 90,426
In Germany August 8, 1935
4 Claims. (Cl. 82—2)

1. A lathe comprising a rigid frame having an upper longitudinally extending beam, a head stock mounted in the frame, and a tail stock slidably suspended from said beam, said frame providing a lathe bed, a cross slide having a tool holder, said slide being mounted vertically ad-

justably on the frame and the tool holder being mounted centrally of the center plane of the frame, a tool mounted in said tool holder and having a cutting edge facing rearwardly, and



located in the central longitudinal plane of the frame and at the lowest point of the work, the headstock and tailstock both being located centrally of the middle plane of the frame.

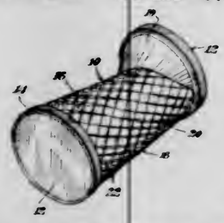
2,080,208

FOOT MASSAGING OR EXERCISING DEVICE

Herbert H. Ilich, New York, N. Y.

Application June 24, 1936, Serial No. 86,933

10 Claims. (Cl. 128—57)



8. A device of the character described for massaging and exercising feet, including a body portion having circular end flanges of a greater diameter than said body portion to form a rolling support for the device, said body portion having a small massaging portion and a larger massaging portion curved to fit the arch of a foot, both of said massaging portions merging with a substantially cylindrical portion of said body portion, the device being formed eccentrically so that the massaging portions are normally at the top of the device and the device is always in proper position for use when it is placed on the floor or the like.

2,080,209

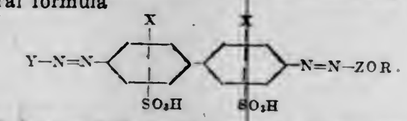
AZO-DYESTUFF

Markus Kappeler, Basel, Switzerland, assignor to the firm of Chemical Works Formerly Sandoz, Basel, Switzerland

No Drawing. Application November 16, 1935, Serial No. 50,239. In Switzerland November 22, 1934

7 Claims. (Cl. 260—78)

1. The disazo-dyestuffs of the following general formula



wherein both X's represent a substituent selected from the class consisting of hydrogen, chlorine, alkyl, alkoxy and carboxy groups, Y represents a radical of a coupling component containing at least one sulphonic acid group and selected from the class consisting of arylpyrazolones and naphtholsulphonic acids, N-acyl- and N-arylaminonaphtholsulphonic acids, Z represents a benzene nucleus and R represents a substituent selected from the group consisting of hydrogen and a toluolsulphonyl-radical, which dyestuffs are water-soluble compounds dyeing animal fibres yellow, orange, red to brown shades of good fastness to light and to acid milling.

2,080,210

DIETETIC METER FOR CHILDREN

Agenor Mafra, Rio de Janeiro, Brazil

Application April 23, 1935, Serial No. 17,849

In Brazil May 8, 1934

1 Claim. (Cl. 73—62)



A device of the character described comprising a container open at the top and provided with a horizontal slot extending at least halfway around and positioned near the top edge thereof, a handle member fixed to said container and including a shank extending laterally from the container with the under surface in substantial alignment with the upper edge of the slot, and a flat lid member pivotally mounted on the under surface of the shank of the handle and guided by the shank when moving through said slot to close the open top of said container.

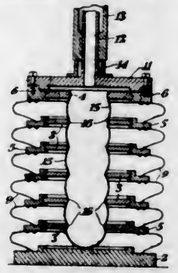
2,080,211

METHOD OF SHAPING METAL

Joseph G. C. Mantle, Leonia, N. J., assignor, by mesne assignments, to Bridgeport Thermostat Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application May 28, 1932, Serial No. 614,266

2 Claims. (Cl. 153—73)



1. A method of making hollow metal corrugated articles, which comprises placing a tube in a vertically arranged contractible mold having movable and spaced mold parts and locating the mold parts without positively holding the mold parts before the mold parts are locked to the tube, bulging the tube by applying internal fluid pressure thereto to form differences in diameter in the tube sufficient to interlock with the mold parts, and then contracting the tube in length to form corrugations therein by the combined action of an axial contracting pressure applied to one end mold part of the contractible mold and to one end of the tube and an internal fluid pressure within such tube while permitting the mold parts to move with the tube during the contracting thereof.

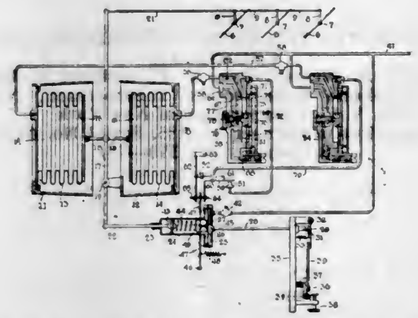
2,080,212

CONTROL MECHANISM FOR DAMPERS AND THE LIKE

Carl A. Otto, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin

Application October 15, 1934, Serial No. 748,388

18 Claims. (Cl. 236—82)



1. In a control system, the combination of a device to be shifted progressively to different positions; a double-acting elastic fluid expansible chamber motor connected to shift said device, said motor having opposed working spaces; a shiftable member; means for developing on said member a force which varies in response to variable atmospheric conditions; means for developing on said member a second force opposing the first and varying in response to the shifting of said device; and means including a source of elastic fluid under pressure and at least one leak valve controlled by said member for establishing in said working spaces continuously effective fluid pressures which vary in relatively reverse senses in the two working spaces under the control of said member.

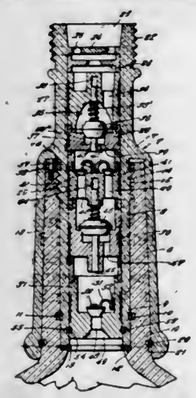
2,080,213

NONREFILLABLE BOTTLE

Joseph A. Patterson, Waynesburg, Pa.

Application January 20, 1936, Serial No. 59,984

2 Claims. (Cl. 215—25)



1. A non-refillable bottle having in combination a neck provided with internal screw threads, an elongated tubular member having an end portion fitting snugly within said neck and provided with threads complemental to the threads on the neck for positively screw threadedly engaging the neck and tubular member together, and concealed inaccessible means cooperating with the neck and the tube internally of the neck for locking the neck and tubular member against axial separation, said tubular member also having an integral skirt snugly receiving the neck of the bottle, concealed means cooperating with the skirt and bottle neck internally of the skirt as an additional means to prevent axial separation of the neck and tubular member, said tubular member being also provided at the junction of said tubular member and skirt with a shoulder provided with a circular series of ratchet teeth, and a locking plunger mounted on said neck and engageable with said teeth to prevent relative rotation of the neck and tubular member for effecting a disengagement of the complementarily threaded portions of said tubular member and neck.

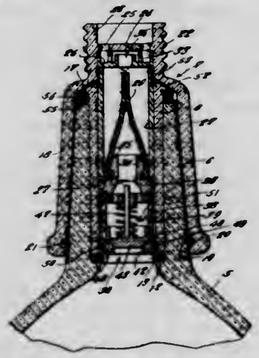
2,080,214

NONREFILLABLE BOTTLE

Joseph A. Patterson, Waynesburg, Pa.

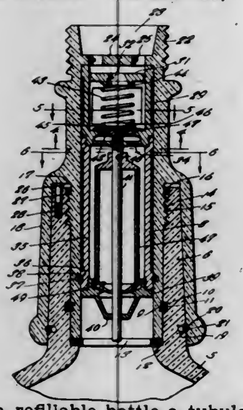
Application March 3, 1936, Serial No. 66,903

6 Claims. (Cl. 215—25)



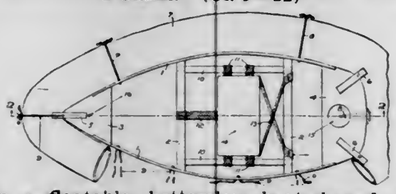
2. A non-refillable bottle having in combination a neck, an elongated tubular member having an end portion fitting snugly within said neck, inter-engaging means on said end portion of the tubular member and on said neck for positively securing said tubular member within said neck and against axial separation of the neck and tubular member, said tubular member inwardly from the outer end thereof being provided internally with an integral apertured disk, a second disk removably fitted within said tubular member and disposed against one side of the first named disk, the second named disk being provided in one face thereof with a circular groove registering with the apertures in the first named disk, said second disk being also provided with a circular liquid receiving chamber and a wall common to said chamber and groove and provided with apertures through which liquid passes from said chamber into the groove incidental to a discharge of the liquid from the bottle, said disk having a central aperture through which liquid from the bottle passes into said chamber, a sleeve fitting snugly within said tubular member and having one end abutting said removable disk, a valve disk disposed in abutting relation with the end of said sleeve farthest remote from said removable disk, said valve disk having a bored central boss projecting therefrom into said sleeve, and an expansible substantially tubular valve element having an end sleeved over said boss and a second normally collapsed and closed end terminating within said sleeve.

2,080,215
NONREFILLABLE BOTTLE
Joseph A. Patterson, Brave, Pa.
Application September 17, 1936, Serial No. 101,314
7 Claims. (Cl. 215—30)



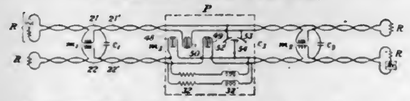
4. In a non-refillable bottle a tubular member fitting snugly and securely within the neck of the bottle, and provided at one end with a perforated disk, a valve cage arranged in said tubular member and having a perforated end in abutting engagement with said disk, a valve casing arranged in said tubular member in alignment with the valve cage, a valve seat at the bottom of the valve cage, a valve member engaging said seat for controlling communication between the valve casing and valve cage, said valve member provided with a stem extending longitudinally through the valve casing and a tubular hollow float member arranged in the valve casing and secured at one end to said valve stem, a spring device arranged within the valve cage and bearing on said valve member for releasably securing the same in seated position, a seat member in the lower end of said valve casing, and said hollow float member having an apertured end formed to engage said seat member.

2,080,216
FLOAT CONVEYER
Harry R. Rea, Foxboro, Mass., assignor to Charles H. B. Stacy, York, Maine
Application April 11, 1936, Serial No. 73,896
1 Claim. (Cl. 9—11)



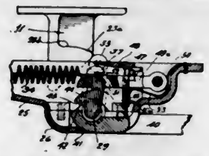
In a floatable, bottomless boat-shaped conveyer having an inflatable air container with a valve, and comprising a narrow frame tapering in width at bow and stern, braces for the frame within the same with a pocket in the rear brace to receive and protect the air container valve, a seat suspended from the braces by a forward strap, crossed rear straps and parallel end straps to insure stability of the seat against swinging; upwardly, downwardly and angularly extended jaws at the bow and stern to receive and hold at those points the inflatable air container close to the frame throughout its length, and extended above and below the frame whereby the user is protected from injury by the frame, and whereby the top of the frame and container are free of obstacles and permit one to rest his body on the container at any point without touching the frame, and push it before him to aid him in learning to swim, as well as to sit in the conveyer and be towed.

2,080,217
APPARATUS AND METHOD FOR REMEDYING CROSSTALK
Myron A. Weaver, Rye, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 9, 1935, Serial No. 48,947
8 Claims. (Cl. 179—78)



1. A plurality of neighboring conductor pairs grouped in complements, panels for the respective complements on which each pair of the complement intersects each other pair thereof, and other panels for the respective pairs of complements on which each conductor pair of one complement intersects each conductor pair of the other complement, said panels being disposed along the said plurality of conductor pairs in successive groups in each of which groups the number of intersections is substantially the same along each pair of all the complements.

2,080,218
LATCH
Elihu C. Wilson, Los Angeles, Calif., assignor of twenty-five per cent to Eva Pearl Wilson, twenty-five per cent to Elizabeth J. Farrar, both of Los Angeles, Calif., and twenty-five per cent to Adelaide B. Booth, Culver City, Calif.
Application April 21, 1936, Serial No. 75,578
19 Claims. (Cl. 292—336)

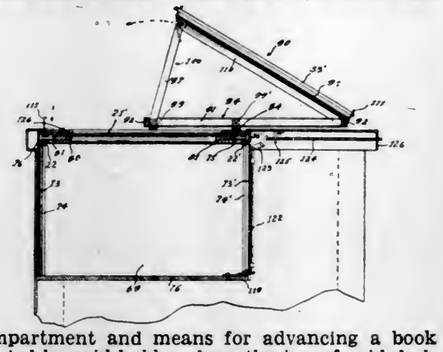


1. In a latch mechanism adapted to cooperate with a keeper, the combination comprising, a latching member rotatable about an axis and held against substantial movement longitudinally thereof, said member being adapted to be releasably retained by the keeper, a handle for moving said member to an open position of disengagement from said keeper, means independent of said handle for holding said member in partially open position, and means for releasing said holding means by the engagement of said member with the keeper to permit the member to close into the keeper.

2,080,219
BOOK DELIVERING CABINET
Carroll H. Berill, New York, N. Y., assignor of one-half to Eugene Gruen, New York, N. Y.
Application May 4, 1932, Serial No. 609,110
19 Claims. (Cl. 312—34)

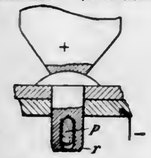
1. A desk having an opening in the top thereof and formed with a book holding compartment

communicating with said opening, a book holder movable into and out of said compartment through said opening, spring mechanism for moving said holder and a book carried thereby out of said



compartment and means for advancing a book carried by said holder along the top of said desk said means being operable only after said holder has been moved out of said compartment.

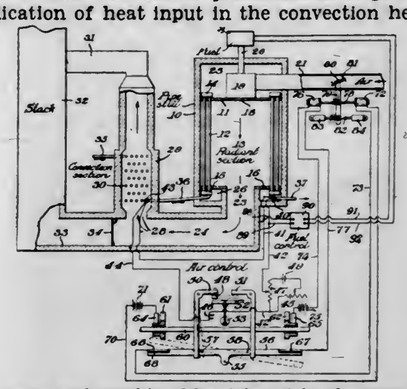
2,080,220
EXPLOSION RIVET
Karl Butter, Rostock, and Otto Butter, Warnemunde, Germany
Application March 27, 1936, Serial No. 71,112
In Germany May 25, 1935
5 Claims. (Cl. 85—37)



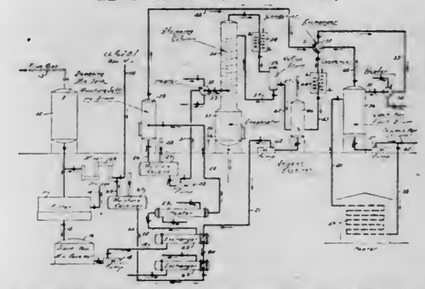
1. In a rivet the combination with a shank, of a recess longitudinally extending into the shank, of an explosive charge within said recess, the latter being open at one end and allowing the explosive gases to escape into the air.

2,080,221
METHOD AND APPARATUS FOR HEATING FLUIDS
Luis de Florez, Pomfret, Conn., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 14, 1933, Serial No. 702,333
5 Claims. (Cl. 196—110)

4. The method of treating a hydrocarbon oil which comprises passing the oil at a substantially constant rate in a continuously flowing confined stream through a convection heating zone and a radiant heating zone in series, introducing fuel and air into the radiant heating zone to produce an intense flame therein, passing combustion gases from the radiant heating zone to the convection heating zone, controlling the supply of fuel in accordance with the temperature of the oil at a point in the radiant heating zone only which is responsive to combined heat input in the said convection and radiant heating zones, and increasing or decreasing at predetermined recurrent time intervals the quantity of air supplied, the extent of each increase or decrease being in proportion to the deviation above or below normal respectively of the temperature differential of the oil at selected points in its path of flow in both the convection and radiant heating zones, the said points being substantially spaced as regards the heating along the path of fluid flow and so positioned as to give an indication of heat input in the convection heating zone and combined heat input in the convection and radiant heating zones respectively.



2,080,222
SOLVENT RECOVERY IN DEWAXING OPERATIONS
Herbert Lewis Duffy, Sumner, Ill., assignor to Indian Refining Company, Lawrenceville, Ill., a corporation of Maine
Application November 14, 1935, Serial No. 49,704
11 Claims. (Cl. 202—39)

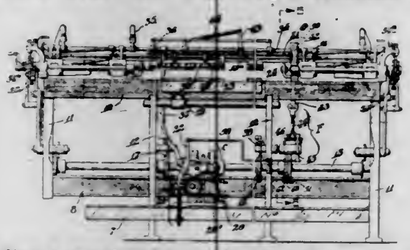


1. In the dewaxing of mineral oil, wherein the oil to be dewaxed is mixed with a solvent comprising acetone, the mixture chilled to precipitate wax, and the resultant slack wax with retained oil and solvent is separated from the oil; the method of recovering retained solvent from the separated slack wax, which comprises heating the slack wax to a controlled temperature at which the wax becomes dissolved in the retained solvent, allowing the mixture to stand at the controlled temperature to settle into a bottom water layer containing a minor proportion of dissolved acetone, and an upper wax-oil layer containing the major proportion of the solvent, separating the layers, and then recovering the solvent from the separated wax-oil layer.

2,080,223
STRAIGHT KNITTING MACHINE FOR PRODUCING RUN-RESIST BARRIER STITCHES IN KNITTED WEARING APPAREL
Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application December 30, 1932, Serial No. 649,546
10 Claims. (Cl. 66—96)

1. In a knitting machine for producing a run-proof stocking fabric portion, a yarn carrier for laying yarn to be knitted, means including needles, sinkers and dividers for forming knitted

courses of loops from yarn laid by said carrier, mechanism including elements for narrowing certain of such courses, mechanism including points for spreading throughout selected courses over the entire area of the fabric portion selected loops thereof, each from one wale into an adjacent wale in interlocking engagement with associated loops, said narrowing mechanism in-



cluding a member for moving the narrowing elements, actuating means for said mechanisms, pattern control means adapted to correlate said member and the actuating means to effect narrowing of the fabric, and additional pattern control means adapted to correlate said spreading mechanism and the actuating means to produce spread loops without operating the narrowing mechanism to narrow the fabric.

2,080,224
PROPELLER

William Lily, Hollis, N. Y., assignor of one-fourth to William J. Reilly, Bellaire, N. Y.

Application June 26, 1934, Serial No. 732,400
1 Claim. (Cl. 170—159)



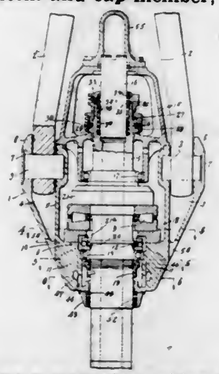
A propeller of the character described comprising a rectangular hub portion and blades extending from said hub, the inner and outer portions of each of said blades being disposed at an obtuse angle to each other, the leading edge and rear edge of said blades extending from diagonally opposite corners of the hub portion and said inner portions extending rearwardly at an angle from the face of the hub.

2,080,225
SWIVEL

Demery A. Murphy, Terrance, Calif., assignor, by mesne assignments, to The National Supply Company of Delaware, Toledo, Ohio, a corporation of Delaware

Application August 24, 1936, Serial No. 97,548
16 Claims. (Cl. 255—25)

1. In a rotary swivel, the combination of a rotary stem having a packing recess at one end, a non-rotatable washpipe concentrically mounted for a portion of its length within said packing recess, a cap member detachably secured to said stem, a lantern ring clamped between opposing faces of said stem and cap member, said lantern

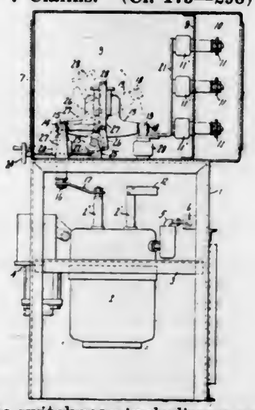


and cap defining a separate packing recess about said washpipe, packing within said recess, packing within the stem packing recess to form a fluid-tight rotary connection with the washpipe, and means to convey lubricant through the cap and lantern ring to lubricate the latter packing.

2,080,226
ELECTRIC SWITCH GEAR

Robert Paxton, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application January 24, 1936, Serial No. 60,665
7 Claims. (Cl. 175—298)



6. Electric switchgear including a power circuit and a current transformer normally connected in a portion of said circuit, disconnecting means for isolating said portion of said circuit comprising relatively movable disconnect contacts, the movable disconnect contacts being carried by said current transformer and electrically connected to the terminals thereof, and means for moving said current transformer for effecting the isolating operation.

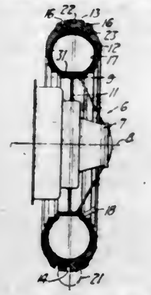
2,080,227
WHEEL BALANCER

Marcel Periat, San Mateo, and Roscoe E. Burke, San Jose, Calif.

Application September 23, 1935, Serial No. 41,754
6 Claims. (Cl. 301—5)

3. A wheel balancer comprising a rubber pad incorporated with an inner tube, said pad having

a weight and being located so as substantially

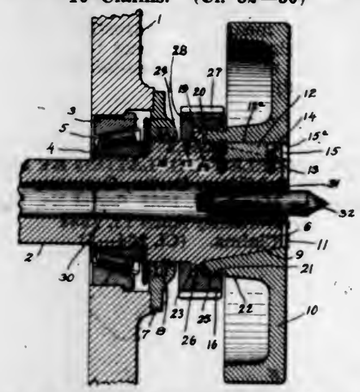


to offset unbalance of the wheel assembly in which said tube is used.

2,080,228
WORK ROTATING STRUCTURE FOR MACHINE TOOLS

Henry C. Pierle, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application February 18, 1936, Serial No. 64,524
10 Claims. (Cl. 82—30)



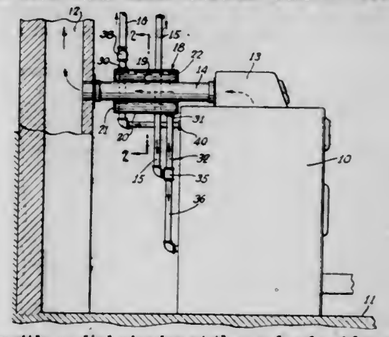
1. In a work-rotating structure for machine tools, the combination of a headstock, a spindle supported by said headstock and having a tapered nose portion concentric with its axis of rotation, a work driving member having a tapered bore mating the tapered nose portion of said spindle, said work driving member being located and supported in proper alignment solely by engagement of said tapered bore with said tapered nose portion when in operative engagement, and means for maintaining said bore and nose in substantial alignment when not in operative engagement.

2,080,229
FUEL ECONOMIZER

Alvenza Carter Ray, Newfield, N. J.

Application April 16, 1936, Serial No. 74,884
1 Claim. (Cl. 122—20)

In combination, a furnace and water boiler therefor, a water inlet and a water outlet pipe connected to said boiler, a horizontal pipe connecting said furnace with the flue for carrying exhaust gases from the former to the latter, an economizer comprising a single elongated hollow sleeve having inner and outer spaced concentric tubular walls and end walls connecting said inner and outer walls forming a single cylindrical water chamber, said inner tubular wall defining a passage through the economizer of slightly greater diameter than said pipe connecting the furnace with the flue, said last mentioned pipe extending through said passage with said inner tubular wall in contact

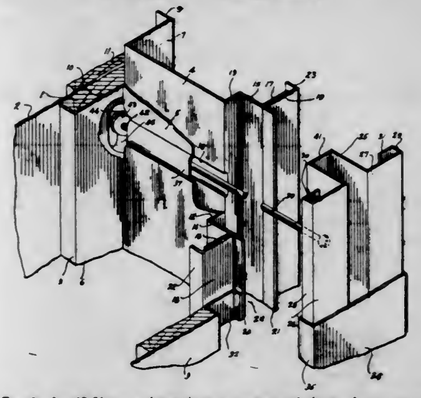


therewith, radial nipples at the ends of said outer tubular wall disposed diametrically one with respect to the other and extending in opposite directions, the nipple nearest the furnace being connected to the water inlet pipe and the nipple furthermost from said furnace being connected to the water outlet pipe.

2,080,230
BUILDING STRUCTURE

Loyd W. Ray, Wichita, Kans., assignor to The White Castle System of Eating Houses Corporation, Wichita, Kans., a corporation of Kansas

Application July 20, 1934, Serial No. 736,169
5 Claims. (Cl. 189—34)



5. A building structure comprising inner and outer wall panels, a metallic stud between said inner and outer panels, means for clamping the outer panels to said stud, a non-metallic member for supporting the inner panels spaced from said metallic stud, and means accessible between the adjacent edges of said inner panels to operate said clamping means.

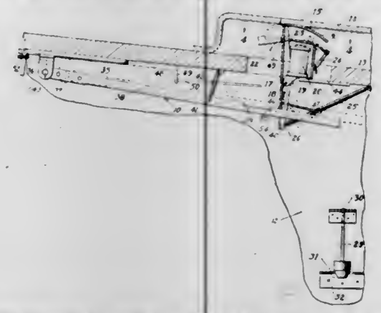
2,080,231
TELL-TALE DEVICE

David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application October 3, 1935, Serial No. 43,310
5 Claims. (Cl. 177—311)

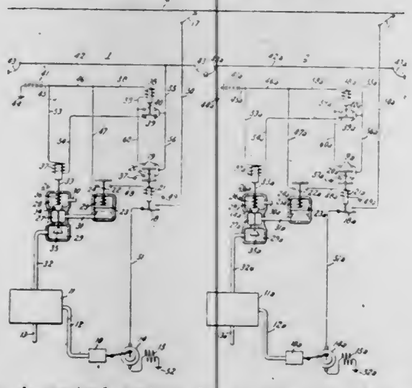
1. A tell-tale mechanism for a game apparatus of the type having a cabinet including a

member providing a ball-playing surface; said mechanism comprising a tell-tale member or indicator movably mounted in said cabinet and including a portion visible from above the said playing surface; means urging the said indicator into a position to indicate that the said cabinet has been tilted from its normal or proper operating position; means latching the said indicator in its normal position against the action of said



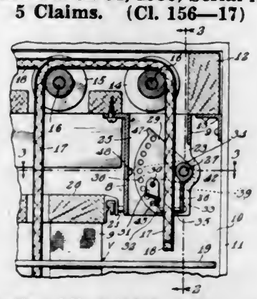
urging means; and electro-magnetic latch-releasing means including a gravity switch mounted in the said cabinet and operable to actuate said releasing means when said cabinet is tilted for releasing said latching means from latching engagement with said indicator so as to enable the latter to move, under the action of said urging means, into a position to indicate that the said cabinet has been moved from its normal or proper operating position.

2,080,232
COMPRESSOR SYNCHRONIZING SYSTEM
Luther B. Rogers, Wilmington, Del., and William S. H. Hamilton, Larchmont, N. Y., assignors to General Electric Company, a corporation of New York
Application October 15, 1935, Serial No. 45,028
8 Claims. (Cl. 230—2)



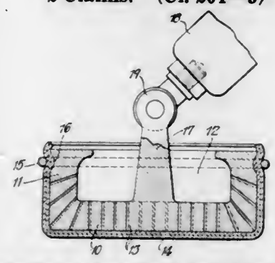
1. A control system for a plurality of interconnected motor-driven compressors comprising in combination, separate means for controlling the energization of each compressor motor in accordance with the pressure set up by the associated compressor, synchronizing means responsive to motor energizing operation of any one of said separate control means for operating the remaining control means to energize all of the compressor motors substantially simultaneously, and means responsive to said operation of said control means for disabling said synchronizing means whereby each of said compressor motors is thereafter controlled solely in accordance with the pressure set up by the associated compressor.

2,080,233
VENETIAN BLIND
Fred Schlerghofer, Tuckahoe, N. Y.
Application March 31, 1936, Serial No. 71,885
5 Claims. (Cl. 156—17)



1. A Venetian blind latch device comprising a support member, a latch carriage pivotally mounted with said support member and a latch supported by said carriage being pivotally related therewith, means for adjusting said latch carriage angularly with respect to said support member, and means for maintaining said carriage in its adjusted position.

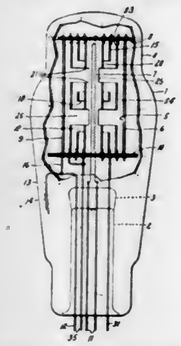
2,080,234
ANODE FOR ELECTROPLATING BY HAND
Max Schlötter, Berlin, Germany
Application March 28, 1935, Serial No. 13,444
In Germany April 13, 1934
2 Claims. (Cl. 204—5)



1. Electrolytic apparatus comprising a metallic anode and a sheet of porous rubber stretched over the exposed surface of said anode, said anode having capillary ducts opening into contact with said porous rubber sheet and extending obliquely in groups in different directions.

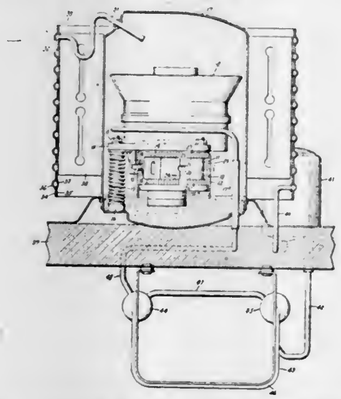
2,080,235
CONTROL ELECTRODE FOR GAS-FILLED TUBES
Henry M. Smith, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application May 2, 1935, Serial No. 19,474
4 Claims. (Cl. 250—27.5)

1. In an electric discharge device containing an ionizing medium, a discharge-receiving electrode producing electrostatic and heat radiation effects, a cylindrical sheet metal control electrode concentric with said discharge receiving electrode, a cylindrical sheet metal shielding electrode between said discharge-receiving and said control electrode, and means rigidly supporting said cylindrical electrodes in coaxial and transverse alinement, said cylindrical electrodes being provided with radially alined perforations of predeter-



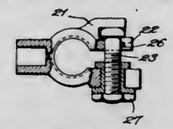
mined size relation, the imperforate portions of said shielding electrode being of at least as great area as the imperforate portions of said control electrode and positioned to insure effective shielding of the control electrode from said electrostatic and heat radiation effects.

2,080,236
MUFFLING DEVICE FOR COMPRESSORS
Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 21, 1935, Serial No. 50,925
5 Claims. (Cl. 230—232)



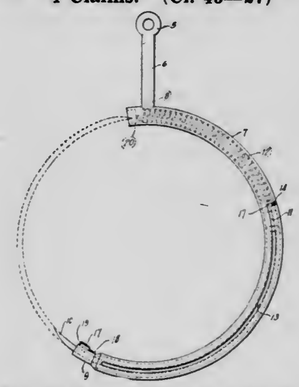
1. In combination with a refrigerant compressor comprising a substantially cylindrical casing having an exhaust port in the side wall thereof, outwardly extending webs on the exterior of said compressor casing and extending about the same, said webs being positioned on opposite sides of said exhaust port, means including a substantially cylindrical sheet metal sleeve positioned on said webs and cooperating therewith for enclosing the outer end of said exhaust port to form a fluid muffling chamber, the adjacent surfaces of at least one of said webs and said sleeve being arranged with relatively narrow portions thereof in alternate contacting and spaced relationship to form a plurality of restricted fluid outlet muffling passages from said chamber.

2,080,237
CONNECTER
Louis S. Stewart, Minneapolis, Minn., assignor, by mesne assignments, to Ernest Krog, Olive Krog, and Edwin Hetland
Application May 22, 1935, Serial No. 22,826
1 Claim. (Cl. 173—259)



A terminal clamp for the post of a storage battery, comprising a split compressible member having a socket for the post, and having spaced parallel and bifurcated ears projecting from the split side thereof, a projection on the clamp outward of and in parallelism with one of the bifurcated ears, a bolt received in said ear and having a head contacted by the said projection, a pin passing through the ear to contact with the outer side of the bolt, said bolt having its shank passed through the bifurcation of the second ear, and a spool-shaped nut screwed on the bolt having its reduced body received in the said last named bifurcated ear and its flanges in contact with the opposed longitudinal edges of said ear.

2,080,238
FISHHOOK
Hershell M. Stoner, Oklahoma City, Okla.
Application August 4, 1936, Serial No. 94,126
4 Claims. (Cl. 43—27)

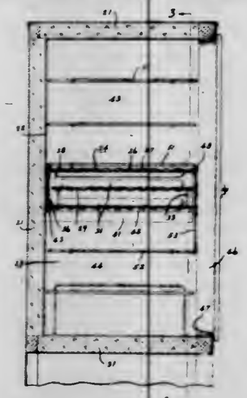


1. A fish hook comprising a curved casing, a hook slidably mounted in the casing for movement outwardly of one end thereof, spring means for projecting the hook from the casing, and latch means for securing the hook in retracted position.

2,080,239
REFRIGERATING APPARATUS
Otto M. Summers, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application April 30, 1934, Serial No. 723,157
12 Claims. (Cl. 62—99)

1. A refrigerating apparatus comprising in combination, a cabinet including a plurality of vertical and horizontal walls forming a chamber therein, a single evaporator disposed in and spaced from the top and bottom walls of said chamber and forming the sole means for dividing

the chamber into an upper food storage compartment and a lower food storage compartment, said evaporator being constructed of sheet metal and including a plurality of refrigerated walls providing a sharp freezing compartment, between the food storage compartments, and said evaporator



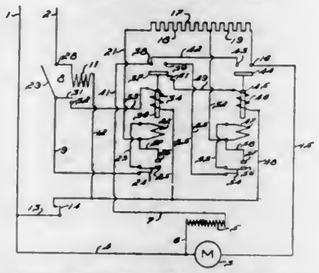
being relatively flat and wide and extending substantially entirely across said chamber to isolate said food storage compartments from air circulation therebetween and to provide a refrigerated wall portion for each of said food storage compartments.

2,080,240
CORSET CLASP
Harry C. Usher, New Haven, and Joseph J. Kispert, Hamden, Conn., assignors to I. Newman & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application April 16, 1936, Serial No. 74,669
2 Claims. (Cl. 24—146)



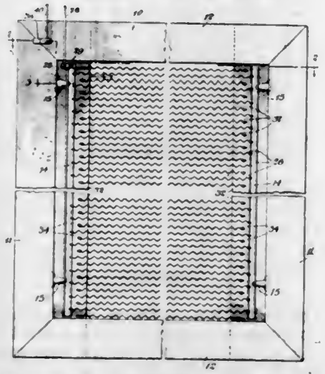
1. A hook for receiving a corset lacer comprising a rectangular body longer than it is wide formed with a hook end offset in one direction and then bent back into a hook in the opposite direction, the bent back portion being longer than it is wide and at one end being chamfered on one edge to expose a part of the unbent end so that a lacer may be placed on the exposed portion of the unbent end ready to be forced beneath the bent back portion, said bent back portion having a transversely extending depending part projecting toward said offset end.

2,080,241
AUTOMATIC CONTROLLER
Hermon L. Van Valkenburg, Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application December 7, 1934, Serial No. 756,424
27 Claims. (Cl. 172—288)



25. An automatic starter for electric motors comprising a starting resistance divided into a plurality of accelerating steps, a plurality of accelerating contactors for successively short-circuiting said steps, each contactor including a shunt operating coil, a current responsive lockout coil and a time limit relay for short-circuiting the lockout coil when the associated contactor fails to operate within a definite time interval after being energized, said lockout coil and time limit relay being connected in series with each other and in parallel with the associated step of the starting resistance, the closing of each contactor operating to energize the operating coil, lockout coil, and time limit relay of the next succeeding contactor in the accelerating series.

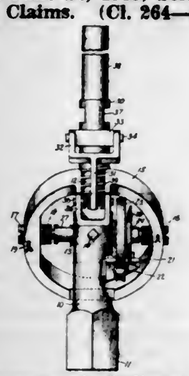
2,080,242
ELECTRIC SCREEN
Howard Ward, Barker, N. Y., assignor to William R. Kenan, Jr., Lockport, N. Y.
Application August 26, 1936, Serial No. 97,951
5 Claims. (Cl. 43—112)



2. An electric insect screen comprising a frame, a pair of channel members having slots formed at one side thereof secured to opposite sides of the frame with the slots in confronting relation, each of the channel members being secured to the frame by a pair of spaced insulators, a group of wires connected between the two channel members and supported in the slots thereof, a pair of spaced plates secured adjacent the outside of the frame at the two sides thereof in a plane overlying the channel members and insulators so as to afford protection thereto, a second group of wires

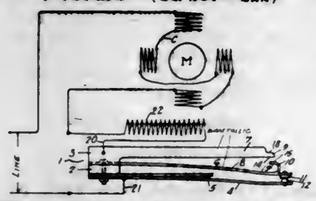
spaced from the first group and having means for supporting them on said plates in alternate relation to the first group of wires, and means for connecting the first group of wires to one of the poles and the second group of wires to the other pole of a source of electric current.

2,080,243
SPEED GOVERNOR
Donald F. Warner, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application June 22, 1935, Serial No. 27,949
2 Claims. (Cl. 264—20)



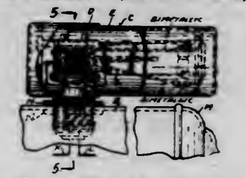
1. A speed governor including a governor shaft, a cross pin on the shaft, a ring surrounding the governor shaft and having diametrically opposite portions rotatably supported on the cross pin, a clock type spring surrounding the cross shaft and arranged to be unwound as the speed of the governor shaft increases, means for limiting sidewise bending of the spring comprising a disk member secured to the cross shaft and having a surface adjacent the side of the spring facing away from the axis of rotation, which surface is tapered towards the spring axis, and means for transmitting movement of the ring into different angular positions with respect to the axis of rotation to an element to be controlled in response to speed changes.

2,080,244
THERMOSTATIC SWITCH
Heinrich Weirich, Philadelphia, Pa.
Application November 28, 1933, Serial No. 700,023
6 Claims. (Cl. 200—122)



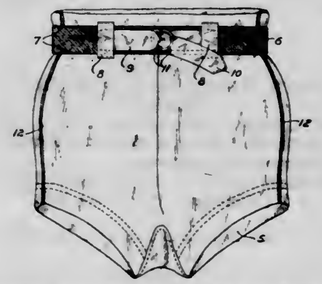
1. A thermostatic switch consisting of a base member; two arms mounted for movement upon the said base member one of the said arms being made of thermal responsive material; an electrical contact element carried by each of the said arms, each of said contact elements being positioned for cooperative contact with the other to close the said switch; a second arm of thermal responsive material carried by the said base member and positioned for movement in a plane disposed at an angle to that in which the first said arm of thermal responsive material moves; and cooperating means carried by each of the said thermal responsive arms and positioned for sliding contact each with the other for a certain predetermined period both during the cycle terminating in the movement of one of the said contacts away from the other and the cycle terminating in the movement of the said contacts toward each other thereby permitting the movement of said non-contact carrying thermal element while restraining the movement of the said contact carrying thermal element for a certain predetermined period during each of said cycles.

2,080,245
THERMOSTATIC SWITCH
Heinrich Weirich, Secane, Pa.
Application February 21, 1936, Serial No. 65,034
10 Claims. (Cl. 200—138)



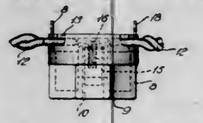
1. A normally closed electric switch comprising a base member; two arms of thermostatic responsive material each anchored at one of its ends and free at the other of its ends carried by said base member; and a leaf spring convex for its entire length, fulcrumed at a certain point, and free at one of its ends, carried by said base member and positioned so that said free end of said spring exerts a pressure upon the free end of one of said arms urging it to contact the free end of the other of said arms, said spring functioning so as to oppose and retard the movement of said thermostatic arms in the switch opening direction until a certain point is reached when the force in said spring opposing said arm movement is suddenly diminished to permit a quick separation of the free ends of said arms.

2,080,246
BATHER'S TRUNKS
Frank J. Wengen, Milwaukee, Wis., assignor to Eagle Knitting Mills, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application January 6, 1936, Serial No. 57,710
1 Claim. (Cl. 2—237)



A garment comprising, a body having a continuous stretchable waist embracing portion, a continuous elastic band secured directly to and completely encircling said waist embracing body portion, relatively inelastic strap sections secured to spaced portions of said band and having portions remote from their attached ends cooperable with each other, and adjusting clamps connecting said strap section portions and being cooperable therewith to vary the effective length of said band.

2,080,247
ELECTRIC OUTLET
Nathan Abramson, New York, N. Y.
Application November 10, 1932, Serial No. 642,013
2 Claims. (Cl. 173—338)



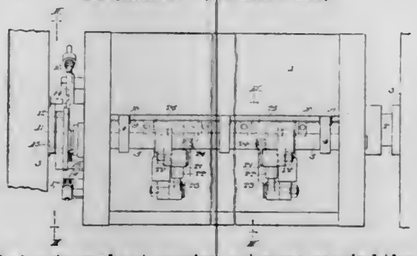
1. An electric outlet comprising a tubular, non-conducting body having one end closed and provided with plug openings, spring contacts carried inside the body and in alignment with the openings, binding posts adapted to secure the contacts to the body and to receive wires, a closure disposed wholly within the non-conducting body opposite its closed end and a plurality of non-removable pointed securing means formed on the body at its open end and within its peripheral plane adjacent its periphery adapted to secure the body to a baseboard and to secure the closure to the body when the latter is so secured.

2,080,248
COMB
Howard M. Ballou, North Attleboro, Mass.
Application November 22, 1935, Serial No. 51,066
3 Claims. (Cl. 132—79)



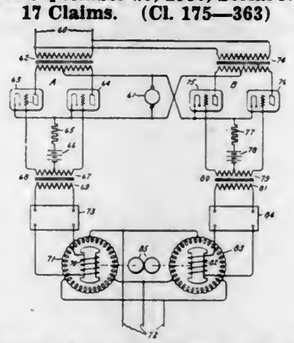
1. A toilet article comprising a comb having a back member and projecting teeth, the back being provided with a longitudinal slot extending inwardly from back edge to form a file-receiving chamber and having one slotted end concavely recessed, a hollow casing dimensioned to fit snugly over the slotted back and having at one end in-turned flanges straddling the slot and engaging the concavely recessed end of the back to hold that end of the casing against displacement, and a transverse retaining pin passing through the other end of the casing end of the back whereby the slotted back is reenforced against breakage and the slot is closed against admission of foreign matter.

2,080,249
GRIPPER MECHANISM FOR PRINTING PRESSES
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application April 22, 1936, Serial No. 75,677
14 Claims. (Cl. 101—409)



1. A rotary sheet carrier, grippers carried thereby, a tumbler, a spring acting on the tumbler for holding the grippers open or closed, and means for separately exerting additional pressure on the grippers when closed.

2,080,250
ELECTRIC VALVE CIRCUIT
Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 29, 1930, Serial No. 485,335
17 Claims. (Cl. 175—363)

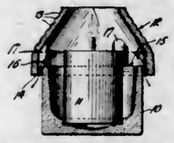


1. Apparatus for generating a periodic potential having a peaked wave form comprising a circuit including a source of direct current, a pair of inductive windings, means for maintaining the current delivered by said source substantially constant, means for periodically effecting a sudden transfer of current from said source between said inductive windings comprising an electric valve associated with each of said inductive windings and means for overexciting said valves with alternating potentials of opposite polarities, and a load circuit associated with said inductive windings.

10. In combination, an alternating current supply circuit, a translation circuit including two pairs of oppositely connected electric valves, and means for maintaining either pair of said valves non-conductive and simultaneously varying the conductivity of the other pair of valves.

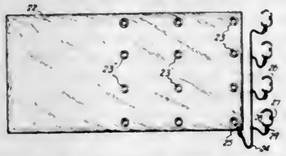
15. In combination, an electric translation circuit including an alternating current circuit and a discontinuous control electric valve provided with an anode, a cathode, and a grid for controlling the current through said valve, a source of periodic potential for exciting said grid, static means interposed between said source and said grid for converting said periodic potential to one of peaked wave form, and adjustable phase shifting means to render said valve conductive at any predetermined point in the cycle of alternating current.

2,080,251
CANDLE HOLDER
Samuel G. Buskard, New York, N. Y.
Application July 5, 1934, Serial No. 733,763
2 Claims. (Cl. 240—13)



1. A candle holder comprising, a candle-holding member, a shield supported on the upper edge of said member, said shield comprising a frustro-conical glass member having its smaller open end disposed uppermost and its larger end telescoping over the upper end of the candle-holding member, spaced lugs integrally formed on the inner face of the shield, said lugs having stepped lower edges adapted to rest upon the upper edge of the candle-holding member, and centrally position the shield with respect thereto, the lower edges of said lugs being spaced from the lower edge of the larger end of the shield, the internal diameter of the shield being substantially larger than the external diameter of the candle-holding member so that an annular ventilating space is formed between the candle-holding member and the shield when the shield is seated on the candle-holding member, said lugs being so proportioned relative to the engaged part of the candle holding member whereby the shield is substantially rigidly mounted on the holding member and held against lateral movement relative thereto.

2,080,252
BAG FOR COLLECTING LAUNDRY AND THE LIKE
Galen B. Cook, Independence, Mo.; Elsie Cook, owner by decree of court
Application March 19, 1935, Serial No. 11,806
3 Claims. (Cl. 150—1)



1. A bag for collecting laundry or the like, comprising a bag or container of flexible material, and selective bag-closing and fastening means for holding the bag closed in either full or various partly-full conditions, said means comprising a plurality of series of eyelets incorporated in the bag structure at the various filling levels, and a plurality of bag-clasping devices adapted to cooperatively clasp the unfilled portion of the bag when rolled from its mouth down to its filled level and also effect separate fastening engagement with the eyelets of the series corresponding to the filled level.

2,080,253
RADIO RECEIVING APPARATUS
Dante Domizi, Cleveland, Ohio, assignor to Muzak Corporation of Ohio, Lakewood, Ohio, a corporation of Ohio
Application March 7, 1936, Serial No. 67,626
3 Claims. (Cl. 116—124.1)

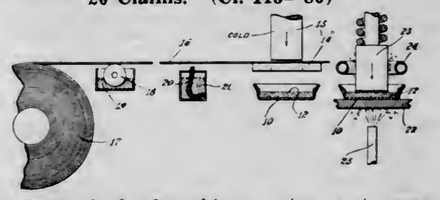


1. Radio apparatus controlling means comprising, a radio set having movable tuning means, a substantially circular opening in one of the walls of said set, a translucent plane surface indicating panel having indicia thereon mounted in said opening, a tuning control element in the form of an annular member mounted for rotation in said opening, roller bearings between the edges of said opening and said member to facilitate rotation thereof about the axis of said panel, a radially disposed fin mounted on said annular member for imparting motion to said member, a mechanical coupling between said member and said tuning means and said fin being so located angularly with respect to said tuning means as to indicate as said member is rotated the various tuning positions of said tuning means with respect to said indicia on said panel.

2,080,254
DYED MATERIAL OF ORGANIC DERIVATIVES OF CELLULOSE
Camille Dreyfus, New York, N. Y., George W. Miles, Boston, Mass., and Herbert Platt, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 13, 1934, Serial No. 743,834
10 Claims. (Cl. 8—5)

1. Process for the coloration of textile materials containing organic derivatives of cellulose with a dyestuff having a low affinity for the organic derivative of cellulose, which comprises applying the dyestuff to the textile material and subjecting the same to a temperature between 150°–180° C. to cause the penetration of the dyestuff in the organic derivative of cellulose textile material.

2,080,255
METHOD OF MAKING CENTER SPOT CROWNS
Jay Bernard Eisen, Yonkers, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York
Application May 6, 1936, Serial No. 78,125
20 Claims. (Cl. 113—80)



1. A method of making center spot crowns consisting of partially emulsifying the albumen in a thin stratum of adhesive containing albumen and a plastic carrier upon a strip of facing material, cutting a center spot from said strip, depositing said spot upon the cushion disc of a crown cap, and thereafter subjecting said center spot to pressure while coagulating the albumen in said adhesive.

2,080,256
METHOD OF MAKING CENTER SPOT CROWNS
Jay Bernard Eisen, Yonkers, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York
Application May 6, 1936, Serial No. 78,126
5 Claims. (Cl. 113—80)

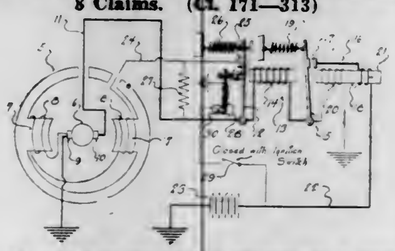
1. A method of making center spot crowns consisting of applying to the cushion disc of a crown, a solvent which will partially emulsify albumen, cutting a center spot disc from a strip of facing material having a thin stratum of adhesive containing albumen and a plastic carrier upon one surface thereof, depositing said disc upon the

cushion disc of a crown cap with said coating engaging the solvent upon the cushion disc, and



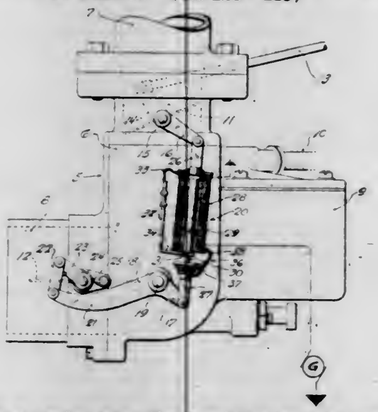
thereafter subjecting said center spot to pressure and heat sufficient to coagulate the albumen in said coating.

2,080,257
OUTPUT REGULATOR FOR MOTOR GENERATORS
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application November 5, 1934, Serial No. 751,571
8 Claims. (Cl. 171—313)



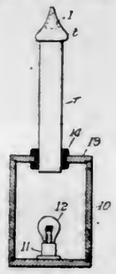
1. In combination with a generator, a storage battery connected with the generator and adapted to be charged thereby and a current responsive regulator for controlling the output of the generator, thermal means operable by the voltage across the battery but only upon the attainment of a predetermined maximum voltage for rendering the current responsive regulator operable at a lower amperage than that for which it is set to operate.

2,080,258
CARBURETOR
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application July 13, 1935, Serial No. 31,245
18 Claims. (Cl. 123—119)



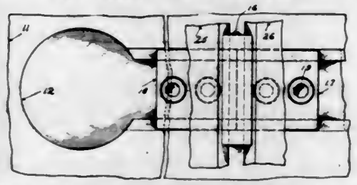
1. In a carburetor, the combination of a choke valve biased to open position, a manually controlled throttle valve, a connection between the throttle valve and choke valve for translating an opening movement of the throttle valve into a closing movement of the choke valve, said connection being separable to free the valves from each other, and automatically operable means for breaking the connection between the valves.

2,080,259
LIGHT TRANSMITTING MEANS
John Frei, Jr., Chicago, Ill.
Application August 6, 1936, Serial No. 94,599
3 Claims. (Cl. 240—10)



1. As an article of manufacture, an artificial candle member comprising an integral cylindrical glass rod and a tip portion at one end thereof formed of crown glass having a predetermined critical angle, said rod being adapted for positioning with respect to a light source to receive axially directed light rays through the opposite end thereof, said tip portion being of generally conical form with a concave lateral surface so shaped and disposed that light rays entering said tip portion from said rod in a direction parallel with the axis of said rod are caused to be totally reflected to produce an apparent brilliantly illuminated reduced image of said tip portion within said tip portion.

2,080,260
PLATE CLAMP FOR PRINTING MACHINES
Fred. J. Fuller, Los Angeles, Calif., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application November 4, 1933, Serial No. 696,634
19 Claims. (Cl. 101—378)

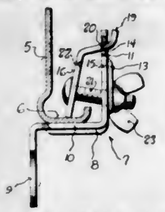


1. The combination with a printing cylinder having a groove with lateral recesses in opposite sides thereof, of a plate clip having a body portion supported by the sides of the groove and arranged to slide in the groove, a head adapted to engage a plate, and a plurality of clip shoes, each secured to the body portion and fitted to extend across the groove and to slide in the recesses.

2,080,261
MOUNTING BRACKET
Henry J. Funk, Park Ridge, Ill., assignor to Soreng-Manegold Company, Chicago, Ill., a corporation of Illinois
Application August 13, 1934, Serial No. 739,624
3 Claims. (Cl. 248—226)

3. A mounting bracket of the character described comprising a body having substantially

parallel walls connected by a third wall substantially perpendicular to said parallel walls, a lever having an angularly disposed hooked end portion, a pivotal connection between the hooked end portion of the lever and one of the parallel



walls which allows the free end of the lever to swing endwise toward the third wall to clamp a flange between the free end of the lever and said third wall, and means to draw the free end of the lever toward the third wall to effect the clamping action.

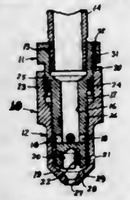
2,080,262
GLASS COMPOSITION
Kitsuzo Fuwa and Fujio Suzuki, Tokyo, Japan, assignors to General Electric Company, a corporation of New York
No Drawing. Application September 14, 1936, Serial No. 100,791. In Japan September 21, 1935
2 Claims. (Cl. 106—36.1)

1. A glass composition having a silica content of more than 77.5 per cent, an alkali oxide content of less than 5.5 per cent and a zinc oxide content of more than 0.1 and less than one per cent.

2,080,263
METHOD OF FREEING EDIBLE CRUSTACEAN FLESH FROM CHITIN MATERIAL
Eugene C. Gibson, Springfield, Pa.
No Drawing. Application June 10, 1935, Serial No. 25,813
6 Claims. (Cl. 17—45)

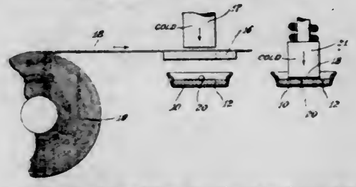
1. The method of obtaining edible crustacean flesh free from chitin, comprising the steps: removing the meat from the shell, then subjecting it to ultra-violet light rays for distinguishing the chitin from the flesh, and then removing the chitin.

2,080,264
SHOWER HEAD
Leo E. Gray, San Pedro, Calif.
Application February 3, 1936, Serial No. 62,150
3 Claims. (Cl. 299—119)



1. A shower head comprising a body having a cylindrical portion at one end of said body including an intermediate portion with a bore therein adapted to communicate with a pipe, the outer wall of said intermediate portion being of less diameter than said cylindrical portion, the outer wall of said intermediate portion being threaded, the other end of said body having a cylindrical outer surface of less diameter than that of the externally threaded portion, said bore terminating at said other end, said other end having apertures therein, said body having a recess therein at the extreme end thereof forming a tubular end, said tubular end having a bevelled face, said recess including a cylindrical peripheral wall, said body having slots therein leading to said recess, and a hollow cap member including a cylindrical inner portion slidably engaging the first mentioned cylindrical portion of said body, said cap also including an internally threaded portion engaging said externally threaded portion of said body, said cap having a discharge orifice in its lower end, said cap including a bevelled portion adjacent to said orifice and having another bevel on its inner surface, the bevelled face of said body engaging the last mentioned bevel on said cap.

2,080,265
METHOD OF MAKING CENTER SPOT CROWNS
Jesse Gutmann, Babylon, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York
Application April 10, 1936, Serial No. 73,649
11 Claims. (Cl. 113—80)

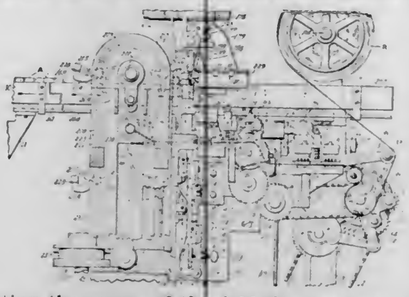


1. A method of making center spot crowns embodying therein the application to the cushion disc of a bottle closure of a bonding medium containing an adhesive which sets at normal temperatures, and an inert plastic body or carrier therefor, the cutting of a center spot disc from a strip of facing material having one face thereof coated with a bonding medium containing the same body or carrier as is used in the bonding medium applied to the cushion disc, positioning said center spot disc without the application of heat upon said cushion disc to form an initial bond between said discs, and thereafter applying a continuing pressure without heat to said center spot disc.

2,080,266
WRAPPING ATTACHMENT FOR CIGARETTE PACKERS
George W. Gwinn, Hewlett, Charles Arelt, Richmond Hill, and Peter M. Nejedly, Brooklyn, N. Y., assignors to American Machine & Foundry Company, a corporation of New Jersey
Application February 28, 1934, Serial No. 713,416
60 Claims. (Cl. 93—2)

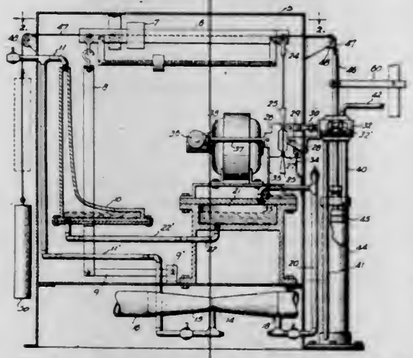
1. In a wrapping machine, the combination with a vertical device for folding a wrapper about a package, of a web-feed operating to intermittently advance the leading end of a web of wrapping material horizontally across the entrance of said device, means for severing a wrapper blank from the leading end of the web, a package feed operating to push a package into the severed wrapper and down through said device, whereby the wrapper blank is folded about the package, moving mechanism for centering the severed wrapper blank with respect to the path of the package into said device, means for

applying adhesive between each fold of the wrapper while it is being folded, and means for



heating the seams of the folded wrapper to dry out the adhesive between its folds and thus hermetically seal the wrapper.

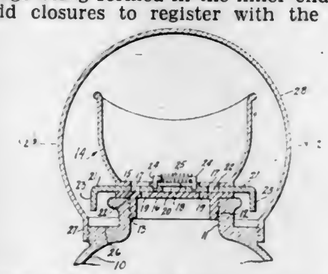
2,080,267
FLOW-RESPONSIVE MEANS FOR FLUID-FLOW APPARATUS
Elmer E. Harper, Kansas City, Mo.
Application May 27, 1935, Serial No. 23,721
6 Claims. (Cl. 73—205)



1. Flow-responsive means for fluid-flow apparatus comprising, in combination with a conduit for the fluid flow, means for causing said flow to develop a differential pressure head, scales mechanism, a variable load means associated with said scales mechanism and responsive to the differential pressure head produced by the fluid flow, an actuating means, a device for adjusting said scales mechanism to counteract the effect of said variable load means, and a control element responsive to fluctuations in said scales mechanism for constituting a variable drive element between said device and said actuating means.

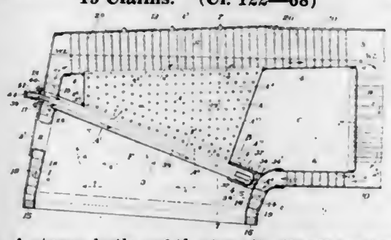
2,080,268
COMBINED EYECUP AND DISPENSING MEANS
Moses H. Harris, New York, N. Y.
Application January 9, 1936, Serial No. 58,249
3 Claims. (Cl. 128—249)

1. A dispensing device adapted to be secured to the neck of a container, said device comprising a cup having a bottom provided with a depending tubular stem for engagement with the neck of a container in communication with the interior of the container, the said bottom being formed with a diametrically extending passage open at its ends and having upper and lower walls, the upper wall being formed with a central opening and with radial slots spaced from opposite sides of the central opening, the lower wall having openings aligned with inner end portions of said slots, closure strips slidably received in said passage through ends thereof with their outer portions projecting from opposite sides of the bottom, openings being formed in the inner end portions of said closures to register with the openings



and slots of the walls of the passage when the closures are forced inwardly, pins extending upwardly from said inner end portions of said closures through the central opening of the upper wall, and means between the pins for exerting expansive force and urging the closures outwardly to a position disposing their openings out of register with the openings of the lower walls of the passage.

2,080,269
LOCOMOTIVE BOILER
Charles Gilbert Hawley, Chicago, Ill., assignor to Harry H. Pinney, Cleveland, Ohio
Application June 1, 1936, Serial No. 82,953
15 Claims. (Cl. 122—68)



1. A steam boiler of the longitudinally extended locomotive type composed of a shell, internal flues and a stayed internal fire box, the latter comprising a door or back sheet, side sheets, a crown sheet which is inclined forwardly and upwardly and throat and flue sheets, suitably united, stayed to said shell, within one end thereof and forming therein a back water space, side water spaces, and a steam space above said crown sheet, in combination with a generally triangular internally stayed and open topped water-steaming-and-circulating wall or pocket which is positioned vertically and longitudinally within the upper part of said fire box, and which is attached to said crown sheet in open communication with said steam space, said pocket presenting a closed front end and a forwardly and downwardly inclined closed bottom terminating in a closed bottom corner portion, the latter positioned close to said throat sheet but free to move vertically with respect thereto.

2,080,270
ORNAMENTAL SUPPORT FOR DRAPERIES
Charles P. Henry, Cranston, R. I., assignor to James N. Henry, Providence, R. I.
Application January 3, 1936, Serial No. 57,409
6 Claims. (Cl. 41—10)

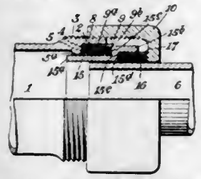
2. As a new article of manufacture, an ornament for a curtain rod comprising a body pro-

vided with an intermediate opening extending upwardly from the lower edge of the body, a rearwardly offset depending finger integral with the body at the top of the opening, a projection



upon the front of the finger intermediate its length, and horizontally disposed portions integral with the back of the body and positioned upon opposite sides of the finger.

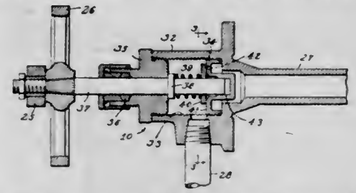
2,080,271
REDUCER FOR THREADED FOLLOWER PIPE JOINTS OR COUPLINGS
Homer T. Hirst, Bradford, Pa., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa., a corporation of Pennsylvania
Application June 20, 1936, Serial No. 86,317
7 Claims. (Cl. 285—122)



1. In a reducer for threaded follower pipe joint or fitting the combination with a hollow body having a cylindrical terminal portion provided with an interior recess terminating at its inner end in an inwardly extending shoulder forming a normal pipe receiving aperture, of a reducer sleeve having a cylindrical portion for engaging said pipe aperture and adapted to receive a pipe member of smaller diameter, and provided at its outer end with an outwardly extending portion of greater diameter extending into said recess, and providing an outwardly extending shoulder, said sleeve being provided interiorly at its outer end with a recess terminating in an inwardly extending shoulder, a gasket in said first mentioned recess, surrounding said sleeve between the outwardly extending shoulder thereof and the inner end of said recess, a second gasket in the recess of said sleeve adapted to surround the said pipe member, and means for exerting pressure in a direction longitudinally of the pipe, against the outer end of said last mentioned gasket to compress both gaskets and simultaneously seal said sleeve with respect to said terminal portion and said pipe member.

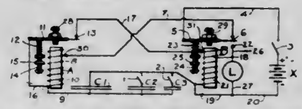
2,080,272
CONTROL VALVE FOR OIL BURNERS
Peter I. Hollman, Chicago, Ill., assignor to McIlvaine Burner Corporation, Chicago, Ill., a corporation of Illinois
Application November 7, 1934, Serial No. 751,865
8 Claims. (Cl. 251—86)

1. A valve of the character described comprising a body having an inlet and an outlet opening and a flat valve seat therebetween, the valve seat having an aperture spaced from the center thereof establishing communication between the inlet and outlet openings, a valve stem extending into the body and rotatable on an axis normal to the plane of the valve seat, a thin cam-shaped valve plate of uniform thickness throughout having a non-symmetrical shaped opening provided therein providing a short bearing for receiving a correspondingly shaped portion of the valve stem, whereby said valve plate is rotatable with the stem but in floating relation thereto to permit even contact of the surface of the plate with the valve seat, said plate being removably but nonreversibly assembled on said stem in only one position of rotation of the plate relative to the



stem whereby to retain a predetermined relationship between the cam-shaped periphery of said plate and said aperture, and a coiled compression spring surrounding the valve stem and pressing the plate into full engagement with the valve seat, the cam-shaped periphery of said plate being arranged to gradually open or close the aperture in the seat according to the direction of rotation of the stem.

2,080,273
ELECTRIC TIMING SYSTEM
Bradford B. Holmes, New York, N. Y.
Application October 17, 1935, Serial No. 45,517
16 Claims. (Cl. 175—320)

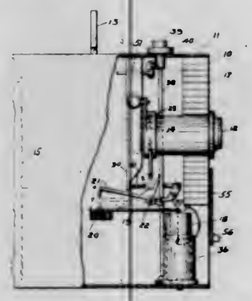


1. An electric timing system, comprising a source of direct current, a condenser, means providing a condenser charging circuit and a condenser discharge circuit and a load circuit, means controlled by the condenser charging current for rendering the discharge circuit inoperative while the condenser is charging and for rendering the discharge circuit operative after the condenser is substantially charged, means controlled by the condenser discharge current for rendering the condenser charging circuit inoperative while the condenser is discharging and for rendering it operative after the condenser is substantially discharged, one of said means being adapted to render the load circuit operative.

2,080,274
CAMERA
Clifton A. Huenger, Whiting, Ind., assignor to Walter E. Schrage, Whiting, Ind.
Application April 11, 1936, Serial No. 73,827
5 Claims. (Cl. 95—64)

1. In combination with a camera having an iris diaphragm aperture, means for automatically setting the iris diaphragm aperture of the camera for correct exposures comprising a photo-electric device, a millivoltmeter connected to said photo-electric device and having a needle, a slotted bar positioned adjacent said needle, said needle adapted to rotate in a plane parallel to and above the top surface of said slotted bar, a plurality of primary levers mounted on a fixed shaft and positioned above said needle and said slotted bar, secondary closure levers attached to the iris diaphragm aperture of the camera, said primary levers normally positioned in neutral and free

from contact with said secondary levers, said millivoltmeter actuated by the electromotive force set up by said photo-electric device in accordance with the intensity of existing light to position said needle over said slotted bar so as to contact one of said primary levers and prevent the same from being dropped with the other



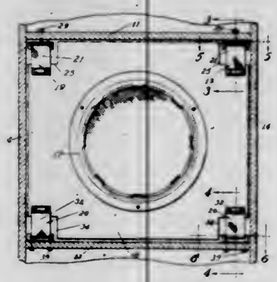
primary levers into the slotted bar, said primary lever contacted adapted to stop rotative movement of said secondary closure levers and thus determine the extent said secondary levers will open or close the iris diaphragm aperture, and manually operable means instituting the operation of said automatic means.

2,080,275

SOUND REPRODUCING APPARATUS

William H. Hutter, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

Application December 13, 1935, Serial No. 54,211
14 Claims. (Cl. 181—31)



1. In a sound-reproducing apparatus, the combination of: a cabinet; a speaker in the said cabinet; means for mounting the said speaker in the cabinet including a supporting member of substantially planar form having the said speaker attached thereto; and means including flexible elements extensive substantially in the plane of said planar supporting member for suspending the said supporting member in the said cabinet.

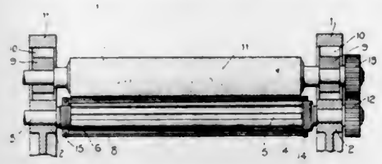
2,080,276

METHOD OF EMBOSSING

Henry Jenett, Demarest, N. J., assignor to Celanese Corporation of America, a corporation of Delaware

Application December 22, 1934, Serial No. 758,727
3 Claims. (Cl. 101—32)

1. A method of embossing composite materials of a fabric coated with a thermoplastic material which comprises passing cool composite mate-



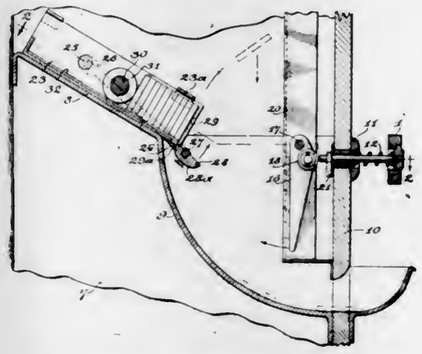
rial between an embossing member and a matrix member both of which are positively cooled.

2,080,277

APPARATUS FOR DELIVERING THIN ARTICLES ONE BY ONE

Hermann Kade, Berlin-Frohnau, Germany, assignor to Edward May, London, England

Application January 23, 1936, Serial No. 60,421
In Germany June 21, 1933
2 Claims. (Cl. 312—63)



1. An apparatus for delivering thin articles one by one, a plurality of magazines slightly inclined towards the horizontal line, mounted side by side and above one another and serving for the reception of the articles, ejector mechanisms, one for cooperating with the delivery end of each of said magazines and normally out of touch with said articles, and manually controlled release mechanisms, one for cooperation with each of said ejector mechanisms and being adapted to be brought into contact with said ejector mechanism to shift said ejector mechanism first in a longitudinal direction to bring said mechanism underneath the first of said articles and then to shift it in another direction essentially perpendicular to the aforementioned direction, whereby said first article is ejected and whereupon said ejector mechanism is directly returned to its normal position under its own weight without touching the second of said articles.

2,080,278

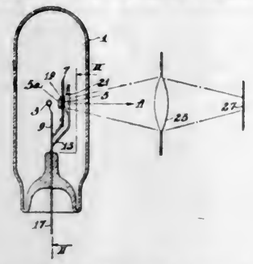
PROJECTION LAMP

Edward W. Kellogg, Moorestown, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application August 15, 1934, Serial No. 739,880
12 Claims. (Cl. 176—123)

1. In an electrical discharge device, a pair of electrodes adapted to have an arc maintained

therebetween, and means in close proximity to only one of said electrodes for preventing said arc



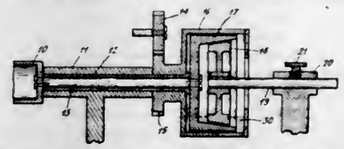
from being visible from one side of said last named electrode.

2,080,279

FILM FEEDING DEVICE

Edward W. Kellogg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 1, 1934, Serial No. 742,385
7 Claims. (Cl. 271—2.3)



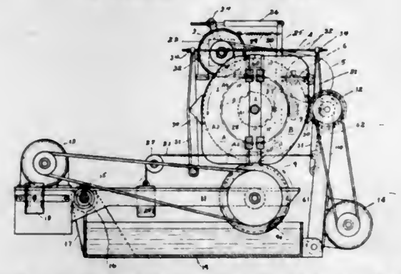
1. Film feeding apparatus comprising a driving means, rotatable film feeding means, means continuously and aperiodically yieldably connecting said driving means and the said film feeding means, a stationary member, and means continuously and aperiodically yieldably connecting the said film feeding means and the said stationary member.

2,080,280

EDGE-GRINDING MACHINE

Norman H. Klages, Pittsburgh, Pa., assignor to G. W. Klages & Son, a corporation of Pennsylvania

Application August 19, 1935, Serial No. 36,791
19 Claims. (Cl. 51—105)



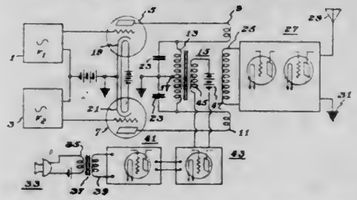
1. Apparatus for finishing the edges of glass plates, said apparatus including a rotary support, said support including a body portion extending in a plane normal to the axis of its rotation, means for securing a plurality of plates in a plane spaced from and parallel to the plane of said body portion and with peripheral edge portions of individual plates forming together an approximate circle, a tool held in free or unguided yielding engagement with said last-mentioned edge portions of the plates, means for rotating said support, and means operating during the rotation of the support for inhibiting vibration of the peripherally engaged plates.

2,080,281

COMMUNICATION SYSTEM

Winfield R. Koch, Delaware Township, Camden County, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 19, 1935, Serial No. 41,207
4 Claims. (Cl. 250—6)



1. The method of transmitting and receiving intelligence in a system including a pair of normally inactive relays which comprises generating a pair of carrier currents of different frequencies, applying said currents to said pair of inactive relays, applying signal representing alternating currents to said pair of relays means to render first one then the other active, alternately modulating said carrier currents with first one then the other phase of said signal representing currents, radiating said pair of modulated carrier currents, receiving said pair of modulated carrier currents, demodulating each of said carrier currents, and rephasing said demodulated currents.

2,080,282

EYEGLASS FRAME

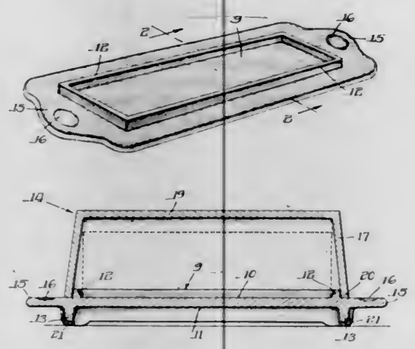
Emanuel Levigton, New York, N. Y.

Application December 31, 1935, Serial No. 57,028
1 Claim. (Cl. 88—47)



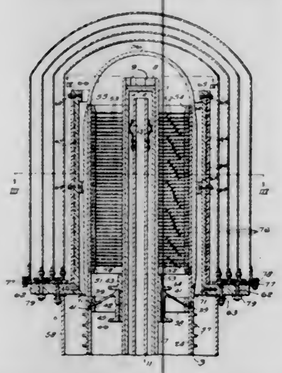
A clip for connecting the parts of a skeleton frame to the lens, said clip comprising a bar or seat of a length and width to make contact with a substantial portion but not the entire edge of a lens in the plane of the lens, a pair of apertured lugs projecting from said bar or seat in the same direction and at right angles thereto and coincident with each other, said lugs being spaced apart for a distance equal to the thickness of the lens, one of the apertures in said lugs being threaded to receive a threaded screw engaging the apertures in both lugs, and said bar or seat above and below the apertured lugs having pairs of opposed clips integral with the seat projecting from the free ends thereof, said clips projecting from the edges of the bar or seat in the same direction as the apertured lugs and spaced from each other a distance equal to the thickness of the lens to receive the edge thereof and pinch the lens, said clips also acting to brace the lens and protect the lens and the apertured lugs from torsional strains.

2,080,283
BUTTER DISH
Albert Lowenfels, White Plains, N. Y.
Application October 10, 1935, Serial No. 44,343
4 Claims. (Cl. 65—59)



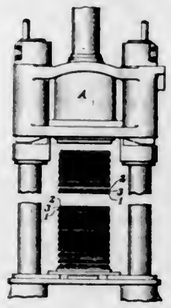
4. A butter dish comprising a plate and a cover, said plate having an upstanding continuous rib on one face adapted to be received within the mouth of the cover, and a second continuous rib on the other face of the plate offset outwardly and vertically from said first named rib, the portions of the plate on both sides thereof within the continuous ribs comprising flat imperforate surfaces, said cover being imperforated and adapted to fit within the second named rib.

2,080,284
THERMIONIC RECTIFIER
Erwin F. Lowry, Forest Hills, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 30, 1932, Serial No. 626,853
11 Claims. (Cl. 250—27.5)



1. A space-current device comprising an envelope separating the current-carrying space from the atmosphere, a cathode member constituting a portion of said envelope, means for heating said cathode member comprising a heating device in proximity to said member external to the envelope and a device for minimizing radiation from said heating device away from said envelope, said heating device and radiation minimizing device being separable from said envelope and means supporting said heating device and radiation minimizing device independently of said envelope.

2,080,285
FLEXIBLE WALLBOARD
John Comrie MacIldowie, Nashua, N. H., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 11, 1934, Serial No. 743,498
4 Claims. (Cl. 92—61)



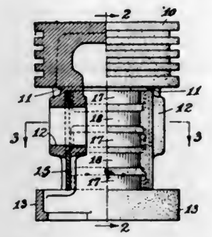
1. In making a fibre-reenforced cementitious product, the method which comprises forming a composition of asbestos fibres, Portland cement and water into soft laminae containing fibres oriented in predominating proportions in a direction generally parallel to the plane of the several laminae, combining the soft laminae into a sheet under low pressure, strongly compressing the sheet betwen a water-permeable member of the type of a wire screen and a somewhat flexible metal plate of plane surface, causing the said sheet to become locked on one face in the said screen, causing the said plate, under high pressure, to move slightly laterally with respect to the surface of the said sheet, releasing the pressure, separating the said screen from the said sheet, and allowing the sheet to harden.

4. In making a sheet product, the method which comprises forming an intimate mixture of asbestos fibres, a hydraulic cementitious material of the type of Portland cement, and water in excess, forming the mixture into a sheet, disposing against a face of the sheet a wire gauze substantially coextensive with the sheet and provided with closely spaced openings and with laterally extending water-escape channels, strongly compressing the sheet against the wire gauze at a high pressure applied substantially uniformly over the sheet, so as to force water from the sheet and into the said openings and escape channels and to form an approximately uniformly compressed sheet, and then allowing the sheet to harden.

2,080,286
PISTON
Hermann Mahle, Stuttgart, Germany, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application April 8, 1935, Serial No. 15,314
In Germany April 7, 1934
4 Claims. (Cl. 309—14)
(Granted under the provision of sec. 14, act of Mar. 2, 1927, 357 O. G. 5)

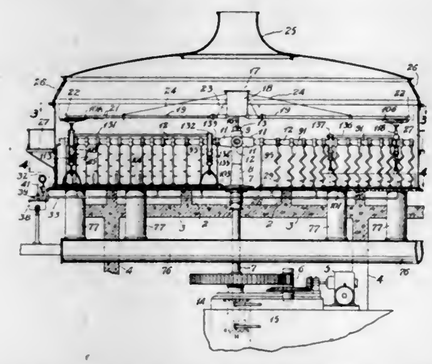
1. A piston comprising a head, piston pin bosses connected to the head, a pair of oppositely disposed thrust faces, the head, bosses and thrust faces being formed of light-weight material, a pair of struts of material harder than, and having a lower coefficient of thermal expansion than, that of the thrust faces, extending chordally across the axis of the piston pin bosses, each strut

carrying at each end respectively a plurality of fingers that extend horizontally across a thrust



face, the fingers forming part of the surface of the thrust face.

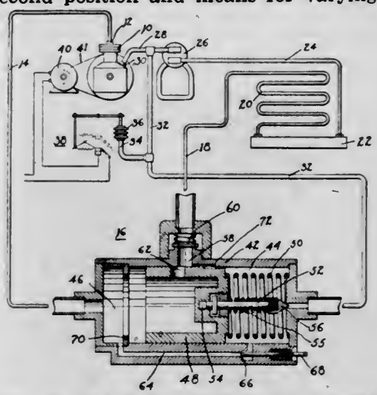
2,080,287
METHOD OF TREATING MASH
Edmund Mayer, Ulm A. D., Germany
Original application July 13, 1934, Serial No. 735,010. Divided and this application August 29, 1935, Serial No. 38,416
7 Claims. (Cl. 195—18)



1. A method of extracting wort from malted material containing grains, in the form of a grain bed which comprises the steps of spreading the grain bed over a circular area, supplying liquid to said grain bed, forming successive subdivisions in the grain bed along circular paths, the number of such subdivisions increasing progressively from the center to permit thorough and substantially equal access of moisture to all parts thereof, and draining the extract from the grain bed over substantially equal areas of said grain bed downwardly therethrough.

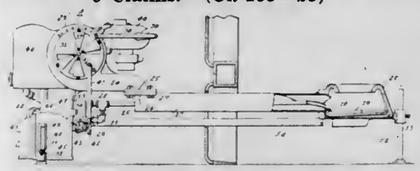
2,080,288
REFRIGERATING APPARATUS
Alex A. McCormack, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 30, 1934, Serial No. 733,277
13 Claims. (Cl. 62—115)

1. In a refrigerating system having a refrigerant liquefying unit including a compressor and a refrigerant evaporating unit, the combination of a compressor unloading mechanism comprising a compressor unloading valve movable from a first position in which the compressor is unloaded to a second position in which the compressor is loaded, means responsive to an increase in the volume of refrigerant compressed for moving said valve from the first position to the second position and means for varying the



response of said last means to an increase in volume of refrigerant compressed.

2,080,289
OIL BURNER
John H. McIlvaine and Peter I. Hollman, Chicago, Ill., assignors to McIlvaine Burner Corporation, Chicago, Ill., a corporation of Illinois
Application June 12, 1935, Serial No. 26,112
9 Claims. (Cl. 158—28)

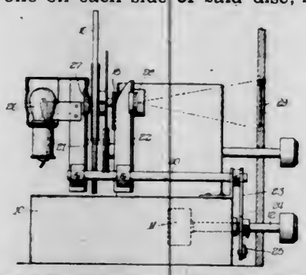


1. In combination with a liquid fuel burner and an apparatus for feeding fuel and air under pressure thereto, said apparatus including a fan housing and an air conduit extending from said housing to said burner, the rear end of said conduit being offset with relation to the rest of said conduit, and a fuel feed pipe extending through the air conduit to the burner and projecting rearwardly from said conduit at the offset and arranged for removal endwise from said conduit rearwardly; a supporting structure for said apparatus comprising a base housing and an upward extension from said housing connecting the same rigidly to the fan housing, said extension being laterally offset in relation to the fuel feed pipe, whereby to permit movement of said pipe endwise rearwardly past said extension, a fuel receptacle enclosed in the base housing, a float controlled fuel valve and a trip mechanism therefor operative to close said valve to shut off fuel feed, both being disposed above the base housing, means extending into said base housing and connecting said receptacle with said trip mechanism, and means for conducting overflow and unconsumed fuel from said valve and burner, respectively, into said receptacle.

2,080,290
APPARATUS FOR PROJECTING TUNING INDICIA
John L. McWeeny, Chicago, Ill.
Application March 6, 1937, Serial No. 129,334
8 Claims. (Cl. 116—124.4)

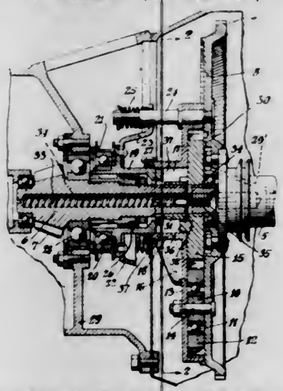
1. In radio receiving apparatus, the combination with tuning mechanism of a light-permeable

disc connected thereto, said disc having radially readable indicia thereon in a plurality of circular, radially spaced bands, a pair of arms arranged one on each side of said disc, said arms



carrying at their upper ends a light and a lens respectively and pivoted for oscillation in an arc that substantially intersects a transverse line through the axis of the disc, and a screen on which the indicia are projected.

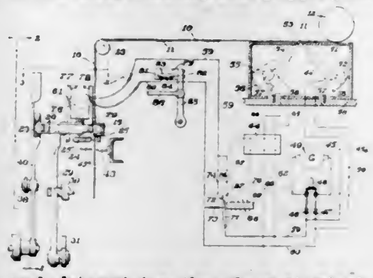
2,080,291
CLUTCH
Harry A. Miller, New York, N. Y., assignor to H. A. Miller Engineering Corporation, New York, N. Y., a corporation of New York
Application April 6, 1935, Serial No. 14,968
5 Claims. (Cl. 192—57)



1. A clutch including, in combination, a driving shaft, a driven shaft, gears rotatably secured to said driving shaft, a gear secured to said driven shaft, encasing members for said gears and formed with passageways to conduct fluid from one to the other side of the gears associated with said driving shaft, said passageways having their inner ends terminating adjacent and spaced from said driven shaft, a valve mounted for slidable movement within the space between the inner ends of said passageways and driven shaft for controlling the flow of fluid through said passageways, said driven shaft being formed with a bore to receive fluid displaced by said valve as the latter is projected.

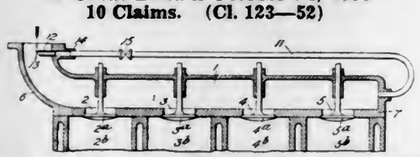
2,080,292
APPARATUS FOR CONTROLLING A MOVABLE WEB
George B. Webber, Palisades, N. J., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
Application July 17, 1931, Serial No. 551,331
20 Claims. (Cl. 271—2.6)

1. In apparatus including a cutting mechanism for cutting individual wrappers from a continuous web of wrapping material having portions with different light qualities, the combination comprising mechanism for gripping said web and moving it to the cutting mechanism, a photo-electric cell, a light source arranged to cast light from said web to said cell, control means regulated by said cell for incapacitating said gripping mecha-



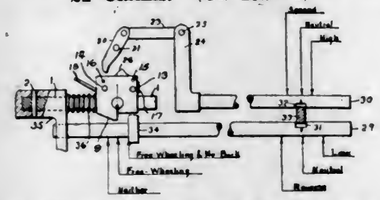
nism and determining the place at which said cutting mechanism shall sever the web, said control means being actuated in response to light variations effected by said different web portions, a device for restoring said control means to a condition for repeated operation, and means operable in timed relation with said device for causing said gripping mechanism to restart said web.

2,080,293
MEANS FOR AUTOMATICALLY MODIFYING THE FLOW OF PULSATING FLUID FLOW STREAMS
Wilfred Ambrose Whatmough, Golders Green, London, England
Application October 15, 1934, Serial No. 748,413
In Great Britain October 24, 1933
10 Claims. (Cl. 123—52)



1. The combination with the induction system of an internal combustion engine comprising an induction pipe through which flows a pulsating stream of gaseous mixture of a control-tube which opens into the said pipe at an earlier and a later location and, at one location at least, projects with an apertured end into the gaseous stream in the pipe, the arrangement being such that the dynamic influences of the gaseous stream cause a reverse flow of part of the said stream through the said control-tube from the later to the earlier location, which reverse flow modifies the pulsations in the main stream.

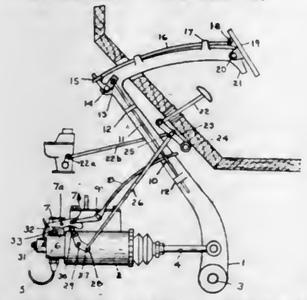
2,080,294
CONTROL SYSTEM FOR TRANSMISSIONS
Phillip R. Wheeler, Alexandria, Va.
Application February 12, 1932, Serial No. 592,634
21 Claims. (Cl. 192—4)



1. In combination, a free-wheeling unit and a clamp ring type no-back unit, the two said

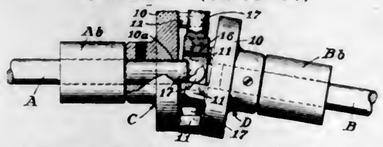
units being locked into or out of use with a single sliding member, this member being controlled with the gear shift lever of a gear transmission.

2,080,295
BRAKE CONTROL
Phillip R. Wheeler, Alexandria, Va., and Rasmus Christensen, Landover, Md.
Application November 4, 1932, Serial No. 641,258
30 Claims. (Cl. 192—3)



1. In an automotive vehicle a brake system using fluid pressure as a transmitting means, a valve located in the fluid pressure system, mechanism operable from the brake pedal and by an operator's foot on the brake pedal and at any position of the brake pedal to cause the brakes to remain set at that degree of tightness after the foot has been removed, and means operable by the accelerator to cause the brakes to release.

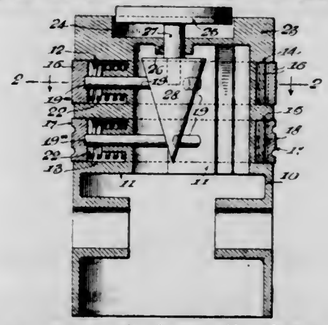
2,080,296
UNIVERSAL JOINT
Frederick W. Wood, Philadelphia, Pa., assignor to The Shalleross Company, Philadelphia, Pa., a corporation of Delaware
Application March 5, 1935, Serial No. 9,467
3 Claims. (Cl. 64—17)



1. A universal joint for connecting two revolving shafts, comprising end members having holes for receiving said shafts and being secured thereto, and an intermediate element comprising a ring having an aperture of greater diameter than said shafts and a plurality of radially extending arms peripherally spaced about the ring, said end members having spaced pairs of lugs extending axially and engaged with said arms, the pairs of lugs on each end member being spaced 180 degrees from one another and located at 90 degrees from the pairs of lugs of the other end member, at least one said shaft extending through its end member into the central aperture of the ring.

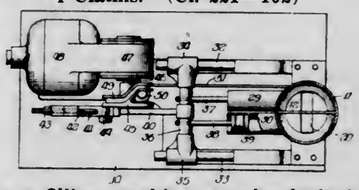
2,080,297
PISTON
John C. Young, Pittsburgh, Pa.
Application August 8, 1936, Serial No. 94,991
3 Claims. (Cl. 309—31)

1. A piston having in its top surface a chamber coaxial therewith and an axial opening through its top wall, a pressure plate for movement into said chamber by the force of an explosion, a cone-shaped expander within the piston, a pin connecting said plate and said expander and extending through said opening, the wall of the piston having ring grooves and circumferentially spaced radial chambers intersecting said grooves, rings in segmental sections having overlapping ends



in the grooves, each ring section being centered opposite one of said chambers and having a central stem projecting inwardly through its chamber and into contact with said expander, and a spring housed in each chamber and engaging the respective ring section for placing the same under normal uniform tension.

2,080,298
FILLING MACHINE
Ralph B. Bagby, Evanston, Ill.
Original application September 30, 1932, Serial No. 635,621. Divided and this application February 6, 1936, Serial No. 62,581
4 Claims. (Cl. 221—102)



1. In a filling machine, a valve body having valve means therein for controlling discharge from said machine, said valve body having at least two spaced outlet openings therein with a web therebetween, and means including a tube providing a discharge passage leading from said outlet opening, and a plate mounted in said tube to extend thereacross and longitudinally therethrough and aligned with said web, whereby distinguished substances flowing through said outlet openings are kept segregated during flow thereof through said tube.

2,080,299
INHIBITING CORROSION OF METALS
Anthony F. Benning, Penns Grove, N. J., Lawrence G. Benton and Richard G. Clarkson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 12, 1935, Serial No. 16,106
10 Claims. (Cl. 91—68)

2. A method of inhibiting rust formation on a ferrous metal surface materially exposed to the effects of moisture and oxygen jointly and normally tending to rust which comprises treating said ferrous metal surface with a rust-proofing

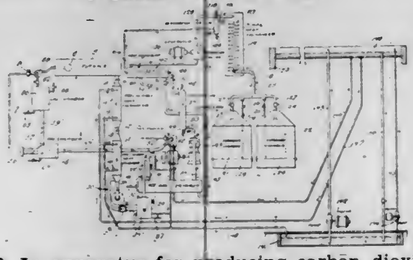
composition comprising a soft film-forming oil having dispersed therein an organic ester of a phosphoric acid selected from the class of esters consisting of cycloaliphatic and long chain aliphatic mono-esters; simple and mixed long chain aliphatic, cycloaliphatic and aromatic di-esters; mixed long chain aliphatic-aromatic di-esters; mixed cycloaliphatic-aromatic di-esters; simple and mixed aromatic tri-esters; mixed long chain aliphatic-lower aliphatic poly-esters containing not more than one long chain radical; mixed cycloaliphatic-lower aliphatic poly-esters containing not more than one cycloaliphatic radical; and mixed lower aliphatic-aromatic poly-esters, said long chain aliphatic radicals containing at least eight carbon atoms.

2,080,300

APPARATUS FOR PRODUCING CARBON DIOXIDE

Joseph S. Belt, Amarillo, Tex., assignor to J. S. Belt Natural Resource Corporation, Phoenix, Ariz.

Application October 19, 1932, Serial No. 638,647
5 Claims. (Cl. 62—121)



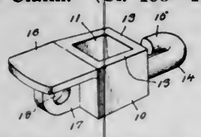
3. In apparatus for producing carbon dioxide from flue gases, means for burning natural gas with air to produce the flue gases, a compressor for placing the flue gases under pressure, said gas burning means including a furnace having a burner and gas engines for driving the compressor having exhaust pipes, means for supplying the products of combustion from the exhaust pipes of said engines to the burner of said furnace along with additional unburned natural gas and air, and means to inject water into said exhaust pipes of the engines to effect cooling and scrubbing of the products of combustion from said engines prior to passage of the same to the burner of the furnace.

2,080,301

CHAIN LINK

Joseph Bocchino, Dover, N. J.

Application September 14, 1936, Serial No. 100,729
1 Claim. (Cl. 198—189)



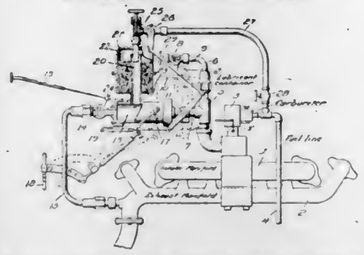
A link of the kind described wherein assembly thereof with a chain may be had without the use of a tool comprising a substantially block-like body with opposite flat faces, a perforated ear at one end of the body, a ledge formed on the body and extending over the perforated ear at right angles thereto and in the plane of the flat faces of said body, the body being provided with a socket for a sprocket wheel tooth, and a hook formed at the other end of the body and having its bill extending laterally and inwardly to be disposed between the opposite flat faces of said body and crosswise of the same.

2,080,302

FUEL SAVING DEVICE FOR INTERNAL COMBUSTION ENGINES

Leonard J. Brice, Monongahela, Pa.

Application November 20, 1936, Serial No. 111,925
3 Claims. (Cl. 123—119)



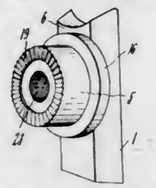
1. A fuel saver for engines comprising a mixing chamber, means for connecting said chamber to an intake manifold of an engine, means for connecting the mixing chamber to an exhaust manifold of the engine, a valve for controlling the escape of gases from the mixing chamber to said first means and actuated by a throttle of a carbureter of the engine, an air cleaner connected to the mixing chamber and including a sleeve, means for admitting fuel to said sleeve, said sleeve receiving filtered air from the filter, and a valve for controlling the fuel to the sleeve and actuated by the first-named valve.

2,080,303

CIRCULAR CHASER AND MOUNTING THEREFOR

Ernest T. Bysshe and Robert R. Finn, Springfield, Vt., assignors to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont

Original application November 24, 1933, Serial No. 699,550. Divided and this application August 19, 1935, Serial No. 36,801
8 Claims. (Cl. 10—103)



1. In combination, a support having a locating stud projecting therefrom, a circular chaser having an opening to receive said stud, a clamping plate engageable with the outer face of said chaser and said stud, said plate and chaser and said plate and stud having complemental portions for locating them relatively in any of a plurality of angular positions angularly spaced by definite increments, and means for securing said plate to said support to clamp said chaser to said support.

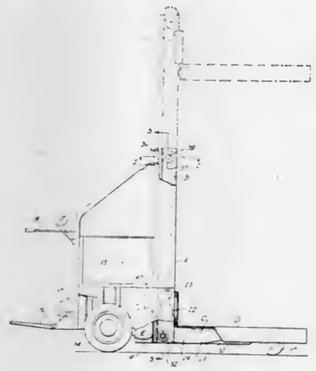
2,080,304

INDUSTRIAL TRUCK

Clyde E. Cochran, Cleveland, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a corporation of Ohio

Application April 17, 1936, Serial No. 74,863
2 Claims. (Cl. 187—11)

1. In an industrial tier-lift truck, a main frame, an elongated upright elevator guide comprising a pair of inwardly facing channel members fixed against vertical movement relative to the main frame, an elongated upright guideway carried by each of said channel members, an elongated upright movable guide comprising a second pair of inwardly facing channel members, a guideway carried by each of said second-named channel members, a roller rotatably mounted on each channel member of the fixed guide adjacent its upper end and adapted to bear against the respective guideways of the movable guide channels, a roller mounted on each of the movable guide channels adjacent their lowermost ends respectively, said last-named rollers being arranged and adapted to coact with the respective guideways of the fixed guide channels, a load-engaging elevator member mounted for vertical movement on said movable guide, and power-operated means to raise the load elevator engaging member relative to the movable guide and the movable guide to the fixed guide.

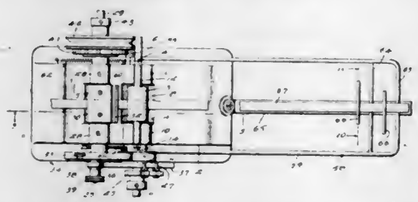


2,080,305

TAPE CUTTING MACHINE

James Harold Dale, Shelbyville, Tenn.

Application August 20, 1936, Serial No. 97,083
15 Claims. (Cl. 164—68)



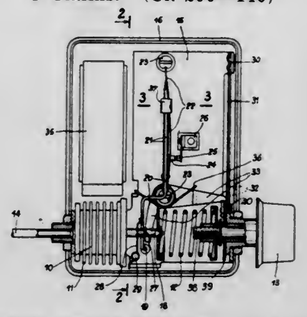
13. In a cutter of the character described, a rotatably mounted cylindrical cutting surface, an elongated body disposed in spaced parallel relation with said surface and mounted for rotation on its long axis, said body having a slot formed longitudinally thereof, means for rotating the body, and a cutting blade secured in said slot and adapted when rotated with the body to have its cutting edge brought into contact with the cutting surface, said slot being in the elongated body in such relation to the radius thereof as to position the blade in a plane parallel with the plane common to the rotary axes of the cutting surface and body, after it has passed such common plane.

2,080,306

SWITCH CONTROL DEVICE

Erich Dobler and Ludwig Holm, Stuttgart, Germany, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany

Application July 5, 1935, Serial No. 30,004
In Germany July 27, 1934
8 Claims. (Cl. 200—140)



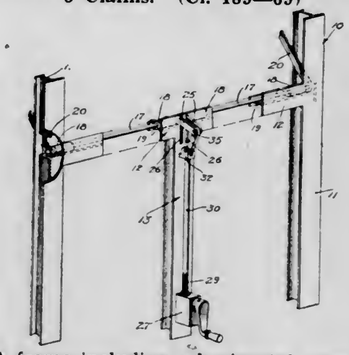
1. A switch control device for apparatus such as refrigerators, comprising a thermostat, a rocking lever of metallic strip form angularly displaceable by said thermostat according to temperature variations, and with the faces of said lever extending laterally of its direction of movement, a pair of leaf springs, the flat faces of which are secured to the flat faces of one end of said rocking lever, a snap spring having a flat face extending between and having a direct flat face to face contact with said leaf springs and which is stable in two end positions of displacement, and switch contacts, one of which is carried by said snap spring.

2,080,307

TRANSOM OPERATOR

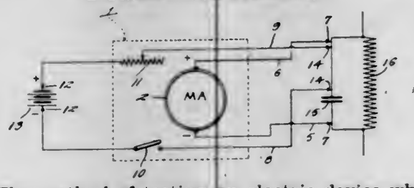
John V. Eichel, Jr., Philadelphia, Pa., assignor to H. S. Getty & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application May 13, 1936, Serial No. 79,599
6 Claims. (Cl. 189—69)



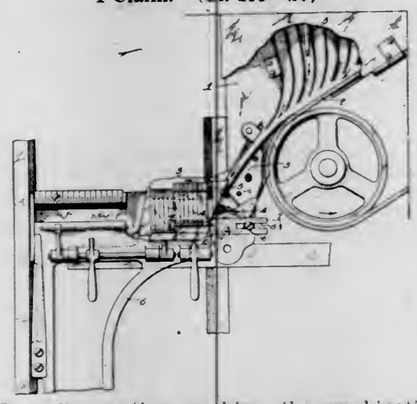
1. A frame including a horizontal cross member defining a transom opening, a transom hinged to the frame at the upper edge of the opening, said transom and frame combining in the closed position of the transom to define a closed channel extending about the free edges of the transom, a shaft in the lower run of the channel, means to rotate the shaft from the exterior of the channel and operative connections between the shaft and transom constructed and arranged to move the transom about its hinges as the shaft is rotated.

2,080,308
METHOD FOR TESTING ELECTRICAL CONDENSERS
George E. Frazier, Clever, Mo., assignor of fifty per cent to Gus Wampler, Springfield, Mo.
Application February 27, 1936, Serial No. 66,120
1 Claim. (Cl. 175—183)



The method of testing an electric device while in circuit, which comprises connecting two sides of a current flow detecting instrument with the current conductors leading to the two sides of the device whereby the instrument bridges the device and portions of the current conductors, then connecting a portion of the current conductor lying between one side of the device and the point of connection of one side of the instrument therewith, in circuit with a controlled source of electric potential and noting the action of said instrument.

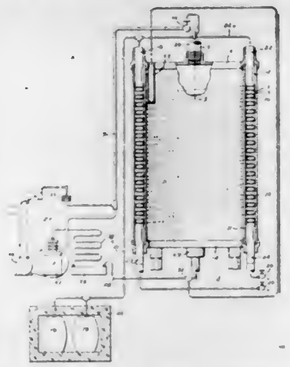
2,080,309
LINE CASTING MACHINE
Lewis Geisert, Philadelphia, Pa.
Application November 3, 1934, Serial No. 751,398
1 Claim. (Cl. 199—27)



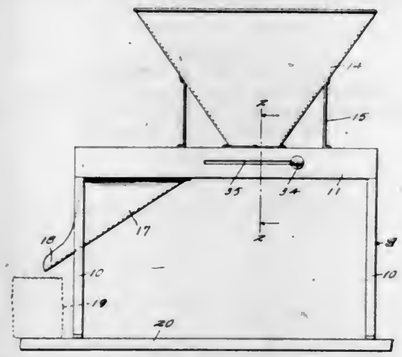
In a line-casting machine, the combination with an assembling elevator comprising matrix-supporting rails, of an assembler chute for delivering matrices to said elevator, said chute comprising an assembler block having matrix-guiding rails, the lower ends of which are arranged in proximity to the rails of said elevator, means providing a slot at the lower end of a rail of said block, and a plate mounted in said slot with an end thereof in alignment with said rail, said plate in effect constituting the lower end of the rail and being adjustable in the slot to maintain a close juncture between said rail and the entering end of the adjoining rail of said elevator.

2,080,310
REFRIGERATING APPARATUS
J Lowell Gibson, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application April 30, 1934, Serial No. 723,127
18 Claims. (Cl. 62—141)

18. A liquid cooler comprising nested tubes sealed together to form a longitudinally extending annular passageway between said tubes, a pipe circuitously arranged in the space between said tubes forming fluid flow circuitous passageways inside and outside said pipe, a refrigerant expansion valve adjacent one end of one of said passageways and an evaporated refrigerant outlet at the other end of said passageway, a refrigerant liquefying unit connected in refrigerant flow relationship with said expansion valve and said refrigerant outlet, a source of liquid to be cooled connected to one end of the other of said passageways, and a liquid discharge outlet at the other end of said last named passageway.



2,080,311
MEASURING AND DISPENSING MACHINE
Norris B. Henley, Fort Myers, Fla.
Application December 5, 1936, Serial No. 114,478
1 Claim. (Cl. 221—105)



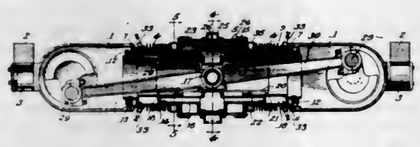
A measuring and dispensing machine comprising a body forming an enclosure, a dispensing slide fitting said body and having a material receiving opening, a hopper on the body for delivering material to said material receiving opening, a gage head fitting said opening and having a cover extension, the slide being formed with a seat accommodating said cover extension to have the latter flush with one side of the slide, a feed screw swiveled in the gage head and threaded in the slide and having an outer tool engaging end accessible through one end of the slide, and a spring connected with the slide and body for normally holding the said slide in a position for its opening to register with the hopper.

2,080,312
PICTURE PRODUCTION
James P. High, Wichita, Kans.; Neeta M. Belden administratrix of said James P. High, deceased
Application February 2, 1935, Serial No. 4,687
2 Claims. (Cl. 41—34)



1. In picture production, a picture consisting of land, water and sky scene, one portion of the land scene adjacent the water scene being severed on a horizontal plane to move the land portion, the sever extending from one marginal side of the picture to a point inward where the water scene ends in the blackground of said picture, by which means the width of the water scene may be varied without interrupting the contour where the land scene and water scene meet, and the scenery along the sever being of such detail that the movement of the said portion of land scene will not detract from the picture along the sever line.

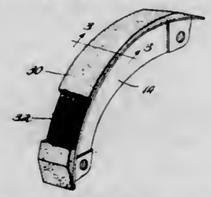
2,080,313
DOUBLE ACTION TWO CYCLE MOTOR
Louis H. Hinrichs, deceased, late of Ryegate, Mont., by Nellie Mae Hinrichs, administratrix, Colchester, Ill.
Application February 28, 1936, Serial No. 66,290
6 Claims. (Cl. 123—62)



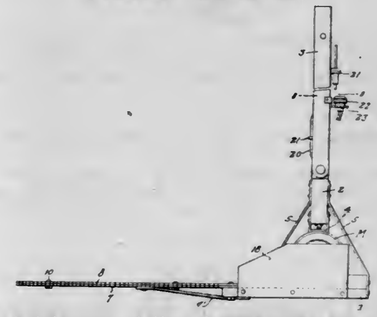
4. An engine comprising opposed cylinders having firing chambers and a fuel chamber, a spring pressed sleeve valve controlling fuel from the fuel chamber to the firing chambers, ignition means for the cylinders, a casing connecting said cylinders, a piston operating in the cylinders and the casing and forming in the latter a compression chamber, means for admitting fuel to the compression chamber, power takeoff means connected to the piston, said sleeve valve extending into the casing by way of the cylinders and spaced from the latter, said piston being of cylindrical formation to receive the sleeve valve, and connecting means between the sleeve valve and the piston.

2,080,314
BRAKE CONSTRUCTION
Addison C. Hoof, Hinsdale, Ill.
Application March 27, 1935, Serial No. 13,304
7 Claims. (Cl. 188—234)

1. In a friction member the combination of a support, a wire mesh backing member spot-welded thereto in many places throughout its length and width, and a composition body anchored thereon by being enmeshed therein and completely covering said wire mesh.

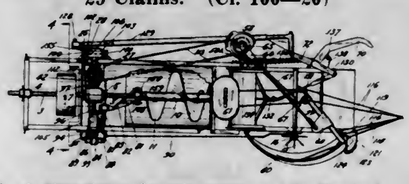


2,080,315
GRASS TRIMMER
John M. Hosier, Matamoras, Pa., assignor of one-half to Harold M. Young, Wilkes-Barre, Pa.
Application March 15, 1935, Serial No. 11,339
Renewed January 18, 1937
2 Claims. (Cl. 56—25)



1. A trimmer of the class described comprising a platform, an elongated stationary knife bar having one end connected to the top face of the front portion of the platform, a movable knife bar sliding on the stationary bar, a motor on the platform having an armature shaft, a disk connected with the motor shaft, a pitman having one end eccentrically pivoted to the disk, the inner end of the movable bar being bent upwardly and pivotally connected at its upper end to the other end of the pitman, and a handle connected with the platform.

2,080,316
METHOD AND APPARATUS FOR BALING
George Innes, Davenport, Iowa, assignor to Innes Manufacturing Company, Bettendorf, Iowa, a corporation of Delaware
Application October 19, 1931, Serial No. 569,641
25 Claims. (Cl. 100—20)

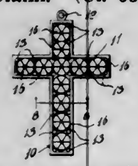


1. A structure for the purpose indicated, comprising a receiving chamber for vegetable stalks, an auger mounted therein to rotate about a longitudinal axis, means for reciprocating said auger longitudinally of said axis, a chamber to receive the stalks forced forwardly by said auger, means operating in conjunction with the second men-

tioned chamber to compress said stalks, and means for tying said stalks into a bale.

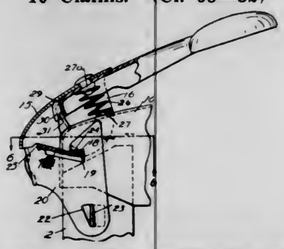
2. In a mechanism for the purpose indicated having a bale forming and tying compartment, a needle carrying arm functioning in cooperation with said compartment, a twine drawing arm pivotally carried by the needle arm, means for resiliently swinging the second mentioned arm in one direction, and means for positively swinging it in the opposite direction.

2,080,317
JEWEL SETTING
Henry Jaeckel, North Attleboro, Mass.
Application July 2, 1936, Serial No. 88,659
1 Claim. (Cl. 63—28)



In combination, a mounting comprising a plate, gems having flat bottoms in contact with and adhered to said plate, and pins integral with the plate providing spacing and retaining elements engaged by the gems, adjacent gems engaging each other, said pins being upset against the gems to secure them to the mounting, a continuous border integral with the mounting disposed about the gems and contacting the adjacent gems, said pins being higher than the border.

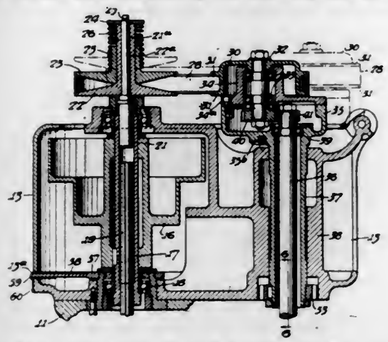
2,080,318
WRINGER
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application July 11, 1932, Serial No. 621,918
10 Claims. (Cl. 68—32)



1. In a wringer, the combination of a frame; rolls mounted in the frame; pressure mechanism for the rolls; a safety release device releasing pressure on the rolls; a lever operating the release device; and a handle connected with the lever, the connection being rigid with and actuating the lever directly under thrust in one direction and movable relatively to the lever under thrust in a different direction and actuating the lever through said relative movement.

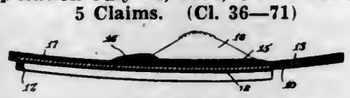
2,080,319
VARIABLE SPEED BELT DRIVE
Edward Joslin Kingsbury, Keene, N. H.
Application August 7, 1933, Serial No. 684,063
2 Claims. (Cl. 74—217)

1. A variable speed belt drive including a first pulley having relatively movable conical cheeks and means for urging one said cheek toward the other cheek, a V-belt cooperating with said pulley, a second pulley cooperating with said belt, a frame, an eccentric mounting for said second pulley whereby it may be moved arcuately toward and from the first pulley, cooperating means on said frame and mounting for moving the mount-



ing along the axis of said second pulley coordinately with the arcuate movement of the mounting, said mounting having gear teeth thereon, a manually rotatable spindle, and means moved by said spindle during the rotation thereof and meshing with said gear teeth for producing movement of said mounting.

2,080,320
SHOEMAKING
Clarence E. Knapp, Boston, Mass.
Application July 11, 1936, Serial No. 90,155
5 Claims. (Cl. 36—71)

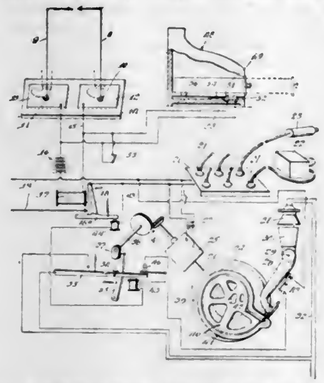


1. A cushion innersole having as a base, a leather welt innersole provided with a rib on its lower face and an outwardly and upwardly curved arch-supporting wing in its inner edge, a blank of sponge rubber coextensive with the entire area of said welt innersole including its shank-supporting wing and secured thereto in continuous face-to-face contact, said blank being built up to increased thickness throughout the shank portion of the sole, a circular metatarsal pad located in the vicinity of the ball line, and a continuous covering for the entire foot-engaging surface of the innersole.

2,080,321
ALARM SYSTEM
Bernhard F. Kunkel, Chicago, Ill., assignor, by direct and mesne assignments, to Safety Engineering Systems, Inc., a corporation of Illinois
Application February 18, 1935, Serial No. 6,947
2 Claims. (Cl. 179—5)

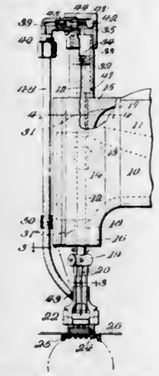
1. In an alarm device a normally open power circuit, an electrical phonograph having a motor operably connected to said power circuit, a normally open telephone circuit for transmitting signals from said phonograph, a branch circuit connected to said power circuit, a normally closed switch in said branch circuit and constructed and arranged to be opened by the starting operation of said phonograph and closed by said phonograph after a signal is sent, a normally open switch in said branch circuit, a normally open switch in said telephone circuit, means controlled by said motor for closing both of said

last named switches after said first switch is opened, and electrical means in said branch cir-



cuit for substantially simultaneously opening said telephone circuit and said branch circuit and opening said power circuit.

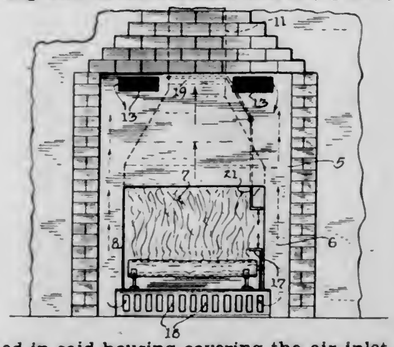
2,080,322
NEEDLE COOLING DEVICE FOR SEWING MACHINES
Harold J. Le Vesconte, Western Springs, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application April 5, 1933, Serial No. 664,636
3 Claims. (Cl. 112—218)



1. In a sewing machine, a needle head, a needle bar reciprocating therein, a needle carried by said needle bar, and means for directing a blast of air across the needle for cooling the same, said means including a pump cylinder, a piston therein connected to said needle bar in axial alignment therewith, a cylinder head carrying control valves and a pipe connected to said cylinder head and terminating in a nozzle adjacent said needle, said control valves adapted to permit a blast of air to be discharged from said nozzle laterally against the needle on the upstroke of the needle bar.

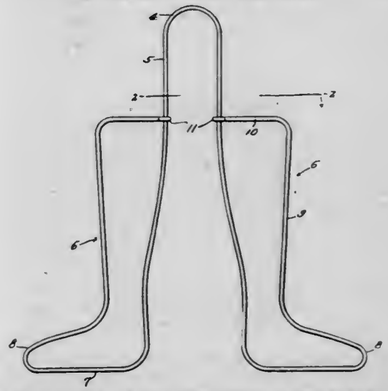
2,080,323
FIREPLACE HEATER
Guido Limoni, Santa Rosa, Calif.
Application March 3, 1936, Serial No. 66,957
1 Claim. (Cl. 126—121)

In a device of the character described, in combination with a fireplace opening having a damper controlled flue connected therewith, of a rectangular housing positioned in said opening, a substantially rectangular fire box formed within said housing and spaced from the walls and bottom thereof and forming an air inlet beneath said housing and about the sides thereof, grills posi-



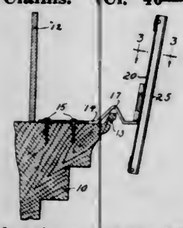
tioned in said housing covering the air inlet and outlet sections of the housing, and a damper having an upright control handle arranged in the inlet opening adjacent the inlet grill of said housing and capable of controlling the air admitted thereto.

2,080,324
HOSIERY DRYING AND STRETCHING DEVICE
Elizabeth A. Logan, Princeton, Ky.
Application September 4, 1936, Serial No. 99,467
1 Claim. (Cl. 223—75)



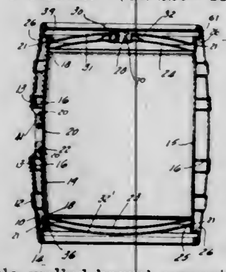
As an article of manufacture, a duplex hosiery form comprising a single piece of wire bent intermediate its ends to provide a U-shaped hanger portion having straight parallel side stretches, said ends being bent below said stretches into divergent curvilinear relation to provide the rear side of said form and then bent to form the feet, front side, and top part of said form, respectively, said top parts being right angularly related to the front parts of their respective forms and terminating in eye portions closely embracing said side stretches of the hanger portion at the juncture of said stretches and said divergent curvilinear bends, whereby said eye portions are prevented from working down on said curvilinear bends and the forms from becoming distorted, said hanger portion extending well above said form to provide for suspending the latter within reach from an overhead support, and the straight stretches of said hanger portion being widely spaced apart to facilitate suspending said hanger portion over a wide support.

2,080,325
DISPLAY MEANS
Frank L. Lowmaster, Detroit, Mich.
Application April 25, 1935, Serial No. 18,162
3 Claims. (Cl. 40—10)



1. A support for signs and the like comprising a sheet metal frame member having edge portions infolded over but spaced from one face thereof to form channels adapted to embrace opposite edges of a relatively flat object to be supported by the frame, a bent sheet metal bracket secured to the opposite side of the frame member, the bent portion of which forms a channel projecting from the body of the frame, said channel being open at least at one end, and the bracket being laterally apertured to provide another opening transverse to the channel and of substantially as great cross sectional area, whereby a supporting element is projectable into said bracket portion in either of two directions to support the frame.

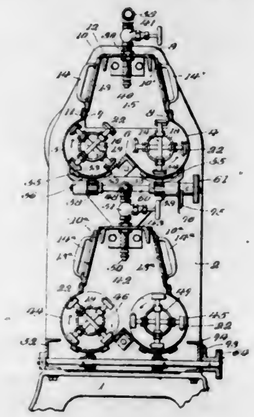
2,080,326
INSULATED METAL BARREL
Robert H. Maddock, Cleveland, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application November 27, 1933, Serial No. 699,821
5 Claims. (Cl. 220—15)



1. A double walled barrel comprising an outer shell, having chimes, an inner shell completely spaced from the same, heads for the inner shell having radially extending annular flanges the outer edges of which have slight clearance from the chimes of the outer shell and serving to retain the heads and ends of the inner shell substantially concentric with the outer shell, and heads for the outer shell having annular offset portions in which said flanges are seated to centralize the inner heads and shell and to space the major portions of the outer heads from the inner heads.

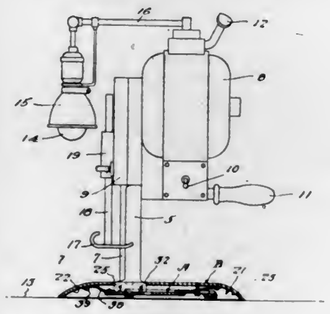
2,080,327
MACHINE FOR TEMPERING OR MOISTENING PRODUCTS
Ronald B. McKinnis, Pittsburgh, Pa., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 26, 1935, Serial No. 13,176
14 Claims. (Cl. 259—6)

1. A machine for moistening products preparatory to crushing the same including a moistening chamber, means for supplying the same with moisture, agitators located in said chamber and rotating in opposite directions in paths spaced from each other, said agitators having an upward movement at the sides remote from each other, the axes of said agitators being parallel and disposed in the same horizontal plane, said chamber having the bottom portion thereof beneath each agitator curved about the axis of rotation of the agitator with which it is associated, the



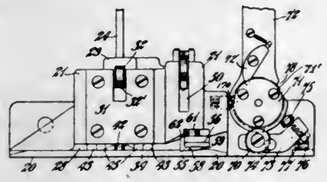
curved surfaces terminating at the adjacent sides in tangential extensions intersecting on a line located adjacent a horizontal plane containing the axes of the agitators, said agitators being disposed so as to move close to the curved surfaces whereby the product to be moistened is carried along said curved surfaces and thrown free of the agitators in paths intersecting substantially at the center of the moistening chamber.

2,080,328
CLOTH CUTTING MACHINE
Henry A. Meyer, Cincinnati, Ohio, assignor to The Wolf Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application December 14, 1936, Serial No. 115,860
14 Claims. (Cl. 164—75)



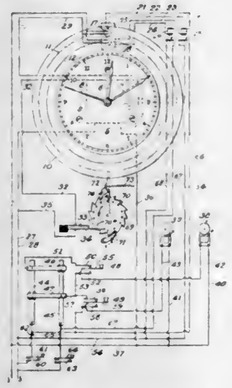
1. In a portable cloth cutting machine, the combination with cutting means and power operating mechanism, of a mobile support for said operating mechanism, and upon which said mechanism is mounted, a foot plate surmounting said support, and yieldable means connecting said plate to said support.

2,080,329
BAND STRAPPING MACHINE
George Mortimer, Westcliff-on-Sea, England
Application June 18, 1936, Serial No. 85,913
In Great Britain September 17, 1934
4 Claims. (Cl. 81—9.1)



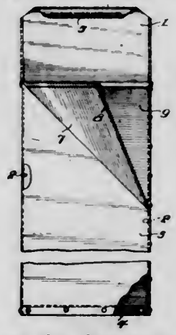
1. A band strap sealing machine, a block, a punch vertically movable therein and adapted to punch down a tongue from the overlapped ends of a band, means slidable horizontally within the block under the overlapped ends of the band and adapted to engage and turn the tongue over, a lever pivotally mounted in the block and having portions operatively connected to both the punch and slidable means, said portions of the lever being located on opposite sides of the lever pivot, whereby movement of the lever in one direction operates said punch and movement thereof in the opposite direction operates said slidable means.

2,080,330
ELECTRIC PROGRAM CLOCK
Robert Ottaway, Milwaukee, Wis.
Application October 9, 1934, Serial No. 747,622
5 Claims. (Cl. 161—2)



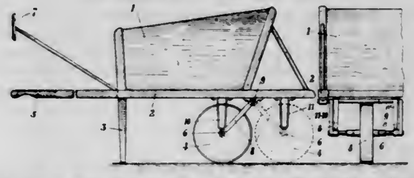
1. An electric program clock comprising, in combination with a clock mechanism, a movable member having clock mechanism actuated means for driving the same in timed relation therewith and formed with series of perforations uniformly spaced to successively pass a fixed point at a fixed rate, light producing means disposed on one side of the movable member within the area through which said perforations pass, an energizing circuit for the light producing means, light sensitive cells disposed directly opposite said light producing means but on the other side of said movable member, a periodically actuated switch controlling the light producing means and operated by the clock mechanism, signals, energizing circuits for the signals, and relays controlled by the light sensitive cells and controlling the signal circuits.

2,080,331
LOOM QUILL CAN
John C. Paddock, Spartanburg, S. C.
Application June 23, 1936, Serial No. 86,878
3 Claims. (Cl. 139—255)



1. A quill can for looms, comprising a receptacle including front, rear and side walls, a bottom and an open upper end, the latter providing the inlet for the receptacle, said front wall extending above the rear wall and the upper ends of the side walls being inclined downwardly from the front wall to the rear wall, a handle on the upper end of the front wall, said rear wall being outwardly flared at its upper portion toward one corner of the receptacle, an extension formed on the outwardly flared portion and disposed at a rearward angle with respect thereto, said extension providing a portion of the side wall and cooperating with the outwardly flared portion to enlarge the inlet toward one corner thereof.

2,080,332
WHEELBARROW
Albert van Wulfften Palthe, Uccle, Belgium
Application December 16, 1935, Serial No. 54,716
In Belgium November 20, 1935
2 Claims. (Cl. 280—52)

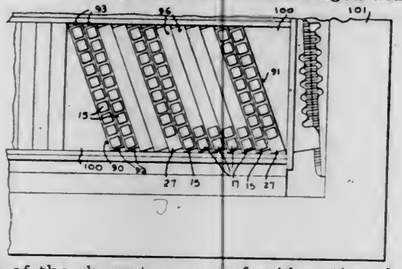


1. In a wheel barrow, a frame including longitudinal members, a pair of arms pivoted to the under sides of said members, an axle carried by the free ends of said arms, a wheel carried by the axle, and a pair of stop members spaced equally on the under side of the frame forwardly and rearwardly from the pivot point of said arms and having their lower ends in the path of the free end of one of said arms whereby the wheel may be positioned selectively in front and rear positions.

2,080,333
FONT OF TYPE
Overton W. Pendergast, Terre Haute, Ind.
Application February 8, 1933, Serial No. 655,845
Renewed March 1, 1937
9 Claims. (Cl. 101—399)

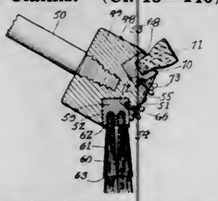
1. As a new article of manufacture, a font of printing type sections, all of the same height from which sections various alphabetical characters all of the same height as the height of

said sections may be composed by the arrangement of two or more of said type sections into a row or line of parallel sections arranged width-



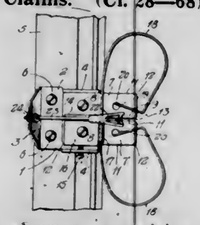
wise of the character, each of said sections having at least one printing face substantially like every other printing face making up said font.

2,080,334
CLEANING TOOL
Frank F. Petrovsky, Binghamton, N. Y.
Application September 3, 1935, Serial No. 39,003
2 Claims. (Cl. 15—146)



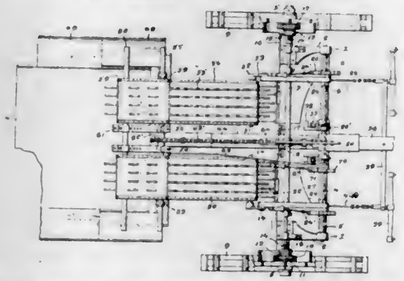
1. In a portable cleaning tool, a carrier in the form of a block of substantially rectangular parallelepiped contour, formed with a follower face, a leading face, a pair of end faces and a pair of side faces, said block being provided with a pair of oppositely extending inclined grooves for receiving cleaning units, the mouth of one groove opening at one of said side faces and at the top of said leading face, the mouth of the other of said grooves opening at the other of said side faces and at the bottom of said leading face, the ends of each of said grooves opening at said end faces, and pairs of clamping means adjustably connected to the block for anchoring said units to the carrier.

2,080,335
THREAD CLEANER
Jacob V. Polcha, Scranton, Pa.
Application November 8, 1934, Serial No. 752,135
9 Claims. (Cl. 28—68)



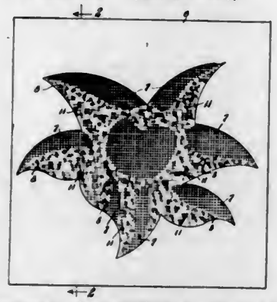
1. A thread cleaner comprising a support, a pair of cleaning elements mounted upon said support and spaced to form a slot between the cleaning surfaces thereof, each of said elements comprising a body portion having an opening at either end thereof, means insertable between the elements to determine the width of the slot, means to hold the elements in fixed position after the slot width has been determined, means to protect the cleaning surface of one of the elements against abrasion by the blade holding means and means whereby the thread undergoing cleaning is prevented from slipping over the ends of said elements, comprising a detachable guard member insertable in the openings at the free ends of the elements.

2,080,336
PEANUT HARVESTER AND CULTIVATOR
Cornell S. Powell, Savannah, Ga.
Application August 15, 1936, Serial No. 96,272
5 Claims. (Cl. 55—134)



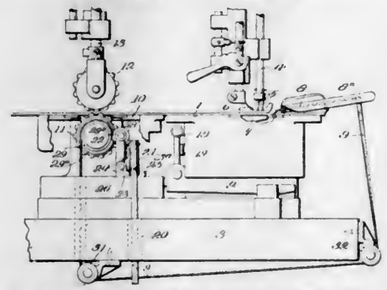
2. A peanut harvester comprising a frame adjustable to adapt the device to rows of growth varying in distances apart, bull wheels supporting said frame, means connecting draft means to the frame, plow beams adjustable endwise of said frame and movable upwardly and downwardly with respect to the ground, plow shares carried by said plow beams for digging growth and soil, means for raising and lowering the plow beams, a carrier connected to and trailing the frame, conveyors driven by said bull wheels for conveying the plowed growth from the plow shares to the carrier, and drive means for connecting and disconnecting the conveyors to the bull wheels.

2,080,337
DECORATED GLASS, MIRROR, AND THE LIKE
Jack M. Powell, Cincinnati, Ohio
Application June 8, 1934, Serial No. 729,649
2 Claims. (Cl. 41—22)



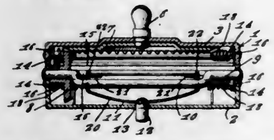
2. The process of applying to the rear face of transparent glass or the like a colored design adapted to be viewed through the front face of the glass and characterized by the smooth and gradual blending of colors and the appearance of depth in the completed design, said process comprising first spraying onto said rear face an area of color intended to form the shading of the completed design, the color particles forming the shading being applied in progressively greater diffusion outwardly from a concentrated mass whereby an effective graduation is achieved, and subsequently in the same manner spraying on an additional area of color or colors, each additional area overlapping the previous area so that smooth blending is effected in the diffused portions of said previous area.

2,080,338
SEWING MACHINE
Albert S. Riviere, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application June 22, 1933, Serial No. 677,148
7 Claims. (Cl. 112—2)



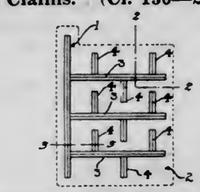
1. In a sewing machine, the combination of a work support, a stitching mechanism, a presser foot, means disposed in front of said presser foot for guiding a tape and fabric section to said stitching mechanism, means operating at the stitching region for feeding said tape and fabric section, means disposed away from the presser foot and stitching region and operating on the tape for gripping said tape only before it passes into the guiding means, and means for positively moving said tape gripping means for positively feeding the tape at a slower speed than the feed operating at the stitching region whereby the tape is tensioned when it is stitched to the fabric section.

2,080,339
SAFETY RAZOR BLADE SHARPENER
George Lawson Robertson, Philadelphia, Pa., assignor of one-half to Frances O'Neill, Philadelphia, Pa.
Application October 21, 1935, Serial No. 46,022
5 Claims. (Cl. 51—161)



4. A safety razor blade sharpener comprising a supporting structure, pairs of sharpening elements carried by said supporting structure with the sharpening elements of each pair arranged and disposed in superimposed relation, a holder carrying a blade with the cutting edges thereof disposed between the pairs of sharpening elements, a rotatable shaft journaled on the supporting structure and having a crank with the holder journaled on said crank to cause the holder while maintaining a horizontal position with respect to the sharpening elements to travel in a circular path for alternatingly presenting the cutting edges of the blade in contact with the pairs of sharpening elements, and means for maintaining the holder horizontally during its movement with the crank of said shaft.

2,080,340
ELECTRIC BATTERY
Artur Rudolf, Berlin, Germany, assignor to The Rulag Battery Company Limited, London, England
Application September 29, 1932, Serial No. 635,339
In Germany October 5, 1931
2 Claims. (Cl. 136—27)



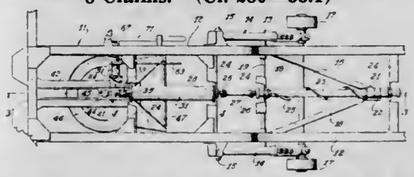
1. In the manufacture of a positive electrode for a secondary lead cell, the process which comprises dry pressing to the desired form of the electrode, a powder mass composed essentially of the brown oxide of lead hereinbefore specified, in intimate admixture with a substantial proportion and sufficiency of finely divided spongy lead to form as the result of the dry pressing operation a rigid inherently self-supporting member in the sense herein indicated.

2,080,341
GRASS GUARD FOR SPRINKLER HEADS
August H. Schumacher, Pomona, Calif.
Application September 24, 1935, Serial No. 41,926
2 Claims. (Cl. 299—60)



1. In a lawn sprinkler of the ground embedded type having a nozzle, said nozzle being provided with an outwardly extending flange adjacent the ground level, the combination with said nozzle of a grass guard consisting of a flat disk provided with an opening receiving said nozzle, said flange on said nozzle overlying said disk and being constructed and arranged to removably hold said disk against the surface of the ground, said disk being provided with a depending flange extending about the peripherial edge of the disk and adapted to be embedded in the ground and act as a barrier for grass roots.

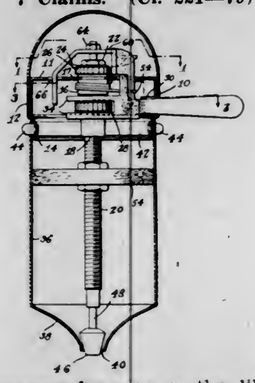
2,080,342
LANDING GEAR
Carl G. Seyferth, Muskegon, Mich.
Application March 8, 1937, Serial No. 129,599
8 Claims. (Cl. 280—33.1)



2. In a control means for landing gear, a shaft mounted for rotation and so constructed as to

control the position of said landing gear, a second shaft mounted for rotation and operably connected with the first shaft and having an axial bore therein and a helical slot in the walls thereof, and a third shaft disposed within the bore of said second shaft and having means cooperating with said helical slot to impart rotation to said second shaft upon movement of said third shaft, whereby the landing gear may be retracted or extended.

2,080,343
SOAP DISPENSER
Herbert W. Smith, West Newton, Mass., assignor, by mesne assignments, to Bostonia Products Co., Boston, Mass., a corporation of Massachusetts
Application February 6, 1936, Serial No. 62,615
7 Claims. (Cl. 221—79)



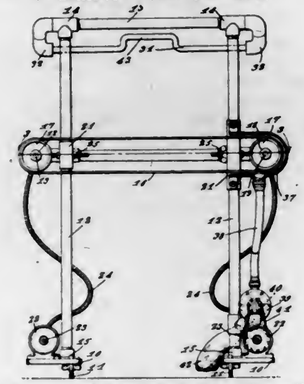
1. A dispenser for soap or the like, comprising a body having an annular portion adapted to receive the open end of a container, means for removably securing the container to said portion whereby freely to suspend the container therefrom, a threaded tube suspended from the body through said annular portion, a piston threaded onto the tube and adapted to engage the interior wall of the container, a rod extending through the tube and having a valve on its free end for cooperating with an exit in the container, a handle carried by the body and mounted for free pivotal movement on the tube, a ratchet wheel fixed to the tube, a detent carried by the handle and cooperating with the ratchet wheel to rotate the tube, and means including a cam carried by the handle for raising the rod and valve upon pivotal movement of the handle.

2,080,344
PUSH BENCH METHOD AND APPARATUS
Sydney Smith, London, England, assignor to Wellman Seaver Rolling Mill Company Limited, London, England, a company of Great Britain
Application September 25, 1935, Serial No. 42,105
In Great Britain October 23, 1934
5 Claims. (Cl. 205—4)



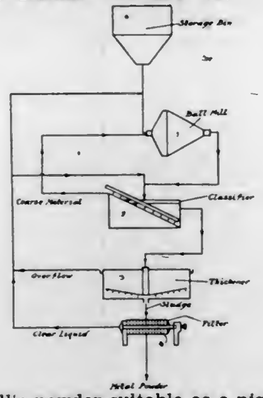
1. A method of manufacturing metal tubes and other tubular metal articles consisting in reducing a somewhat thick cup-shaped hollow billet carried on the end of a mandrel in a first push bench drawing apparatus then transferring the tubular article produced thereby to a second push bench drawing apparatus and reducing it again at a greater drawing speed.

2,080,345
SANDING MACHINE
William D. R. Stovall, Jackson, Miss.
Application May 26, 1936, Serial No. 81,921
7 Claims. (Cl. 51—170)



2. A machine of the character described comprising a wheeled trucked stand having an opening for the reception of a piece of work when permanently fastened in place, sanding mechanism on the stand and including an endless sanding belt for operation upon the work when received by the stand, power means on the trucks of said stand and operating the sanding mechanism, spring tensioned balancing means connected with said sanding mechanism, and means for minute adjustment of said sanding mechanism.

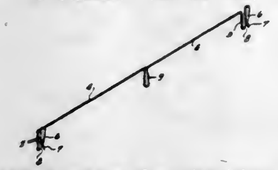
2,080,346
METALLIC PAINT
Urlyn C. Tainton, Baltimore, Md., assignor to Tainton Research Corporation, a corporation of Delaware
Application June 11, 1932, Serial No. 616,730
9 Claims. (Cl. 134—76)



1. A metallic powder suitable as a pigment for paint consisting mainly of zinc flakes having smooth, bright surfaces.

9. The method of producing a bright untarnished zinc powder in flaked form which consists in grinding finely divided portions of zinc in a ball mill in a liquid grinding medium inert with respect to the zinc and of low viscosity including a substantial amount of an oleaginous liquid such as linseed oil capable of combining with oxygen at low temperatures such as room temperatures.

2,080,347
RADIATOR SHIELD SECURING MEANS
Wesley S. Thompson, Detroit, Mich., assignor of one-half to Caspar W. Dick, Detroit, Mich.
Application May 15, 1935, Serial No. 21,613
3 Claims. (Cl. 24—73)

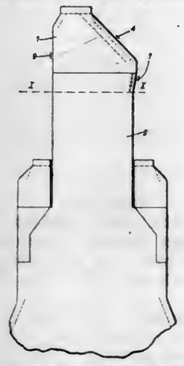


1. Retaining means for attaching a flexible shield to the spaced apart members of a radiator grille of an automobile, said retaining means comprising an elongate flexible wire element adapted to be permanently secured to the shield, and spring clips integral with said wire element at both ends thereof, each spring clip comprising a substantially S shaped spring formation, a part of said S shaped clip being adapted to be compressed between a pair of adjacent grille members, and the other part being adapted to frictionally engage one of said pair of grille members.

2,080,348
METAL ETCHING MORDANT
Edward S. Truitt, Belleville, N. J.
No Drawing. Application December 10, 1936, Serial No. 115,264
4 Claims. (Cl. 41—42)

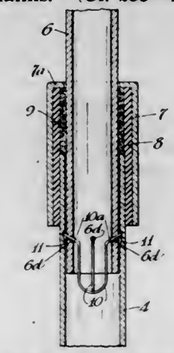
4. A metal etching mordant having therein a water solution containing 2 oz. of potassium dichromate, 1 oz. of hydrochloric acid, 1 oz. of nitric acid, ½ oz. of sulphuric acid and ½ oz. of liquid castile soap.

2,080,349
RIGHT AND LEFT FULL-FASHIONED-FOOT HOSIERY AND THE METHOD OF MANUFACTURING THE SAME
Paul Richard Uhlig, deceased, late of Auerbach in Erzgebirge, Germany, by Friedrich Lange, executor, Brunswick, Germany
Application May 25, 1936, Serial No. 81,787
In Germany June 8, 1934
4 Claims. (Cl. 66—185)



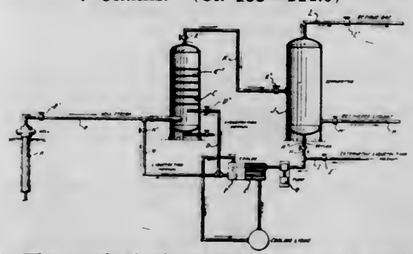
1. A full-fashioned stocking of the English foot type, comprising an instep blank and a sole blank each having a straight inner edge extending substantially to the toe end of the stocking and an outer edge widened at the part corresponding to the ball of the foot, said blanks being narrowed at their outer ends for a short distance at the inner side of the foot and for a substantially larger distance at the outer side thereof, said instep blank and sole blank having their edges secured together to complete the stocking.

2,080,350
TELESCOPING EXTENSION
Lawrence D. Waldron, Minneapolis, Minn.
Application May 13, 1935, Serial No. 21,164
Renewed April 5, 1937
7 Claims. (Cl. 285—199)



1. In an extensible fluid conduit, an outer tube, an inner tube having a portion telescopically and slidably retained within said outer tube and means for sealing said inner tube to one end of said outer tube, said sealing means comprising a first annulus formed of packing material encircling the periphery of said inner tube, a second annulus formed of elastic compressible material encircling said first annulus and a third annulus formed of rigid material encircling said second annulus, said respective annuli being of such dimensions that said second annulus will be sufficiently compressed to exert a radially inwardly directed pressure upon said first annulus and one of said second and third annuli being connected to an end of said outer tube in sealed relation thereto.

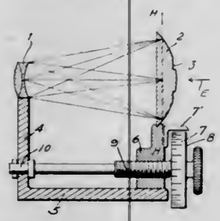
2,080,351
METHOD OF RECOVERING WELL FLUIDS
Jay P. Walker, Tulsa, Okla., and Edwin V. Foran, San Antonio, Tex.
Application January 2, 1937, Serial No. 118,890
7 Claims. (Cl. 183—114.6)



1. The method of recovering natural distillate products from wells producing such products in gaseous form which includes, conducting the well stream containing said natural distillate products from a well flowing under high pressure,

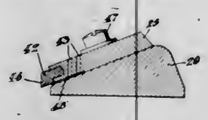
admixing with the gaseous fluids of the well stream at a temperature not in excess of the natural maximum temperature of the well stream, a liquefaction liquid having substantially the same composition as the natural distillate liquids to be recovered from the gaseous well stream and in such quantities as to produce in the admixture a total liquid content in excess of the normal amount of such natural components contained in said well stream, said liquefaction liquid being introduced in the form of relatively large particles so as to minimize atomization thereof and the formation of mist, concurrently flowing the admixed fluids while subjected to amplified surficial contact whereby natural distillate liquid particles of such size and weight as to induce precipitation and increased liquid recovery are agglomerated with the liquefaction liquid, and separating the gas from said liquid particles to recover the natural liquids.

2,080,352
OPTICAL INSTRUMENT
Ernst Weisse, Leipzig-Leutzsch, Germany
Application January 7, 1935, Serial No. 649
In Germany January 6, 1934
10 Claims. (Cl. 88—2.2)
(Granted under the provisions of sec. 14, act of March 2, 1927, 357 O. G. 5)



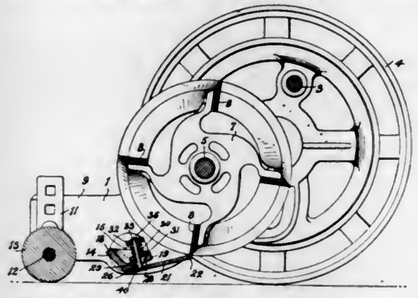
1. In an optical instrument, means for forming an image lying in a plane and means for detecting the location of the plane of said image comprising a lens adjacent said image plane and having areas of different refraction and means for supporting said lens for adjusting said lens into coincidence with said image plane.

2,080,353
LOOP FORMING MECHANISM FOR STRAIGHT KNITTING MACHINES
Adolf Bay, Lincoln Park, and Paul Schmidt, Wyomissing, Pa., assignors to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application May 2, 1935, Serial No. 19,340
13 Claims. (Cl. 66—110)



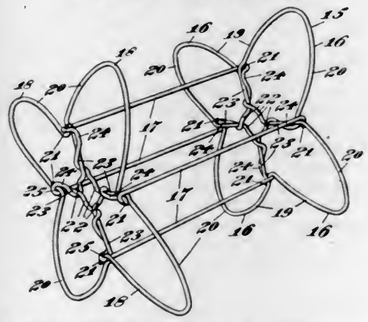
4. In a straight knitting machine, loop-forming mechanism comprising a series of reciprocable elements, a plate having a detachable edge adapted to engage said reciprocable elements to limit the loop-forming travel thereof, and means including a series of adjacent spaced openings extending through the plate and arranged in overlapping relationship to constitute a shock absorbing area.

2,080,354
LAWN MOWER
Daniel J. Diel, New York, N. Y.
Application September 29, 1934, Serial No. 746,121
5 Claims. (Cl. 56—294)



1. In a lawn mower, rotary cutters, a supporting bar, a cutting blade supported on springs resting on and projecting upwardly from the supporting bar, said springs being located at uniformly spaced intervals along the length of the cutting balde to provide uniform spring tension for the entire length of the blade, said cutting blade having a forward edge held by the springs in co-operative shearing relationship with the rotary cutters, the cutting blade having a series of apertures located between the springs to lend flexibility to the blade.

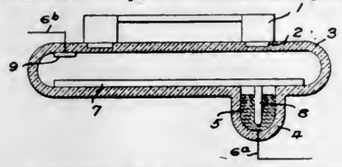
2,080,355
REEL
Harry R. Geer, Westmont, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application December 5, 1934, Serial No. 756,064
9 Claims. (Cl. 242—77)



2. A wire reel comprising a plurality of like members, each of said members constituting a body portion and opposite head portions having looped end portions, and a core portion intermediate each looped end portion and the body portion.

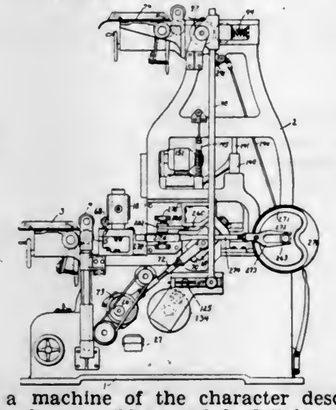
2,080,356
ELECTRIC RELAY
Andreas Marius Haslev, Randers, Denmark
Application November 25, 1933, Serial No. 699,778
Renewed March 23, 1937. In Germany July 13, 1933
3 Claims. (Cl. 200—87)

1. In an evacuated container of insulated material of an electromagnetic relay, the combination of a loose and freely movable armature made of a straight piece of flat soft iron, a pin disposed near one end of the armature and protruding downwardly therefrom, a cup-shaped reservoir in the lower portion of the container wall for mercury, said reservoir positioned and said pin shaped



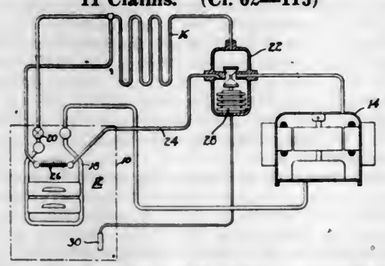
in such a manner as to allow the immersion of the latter in the mercury during any movement of the armature in operation, and a contact in the container wall for closing a circuit through the armature when it is actuated.

2,080,357
ADJUSTABLE CELL-CASE OR PARTITION MACHINE
Walter E. Jensen, Chicago, Ill., assignor, by mesne assignments, to F. J. Kress Box Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 18, 1935, Serial No. 41,118
19 Claims. (Cl. 93—37)



1. In a machine of the character described, means to form a ribbon and feed it lengthwise step by step, a saw, means to actuate the saw to cut notches into an edge of the ribbon at predetermined distances apart during periods of rest of the ribbon, and means to engage other short cross ribbons or strips in the said notches.

2,080,358
REFRIGERATING APPARATUS
Andrew A. Kucher, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 29, 1934, Serial No. 759,756
11 Claims. (Cl. 62—115)



1. A refrigerating apparatus comprising in combination a cabinet to be cooled, refrigerant liquefying means, and a refrigerant evaporator, coordinated with each other to provide a capacity not substantially in excess of the heat load of the cabinet under the highest room temperature normally encountered, and means for regulating cabinet temperatures by an interchange of heat between the evaporating refrigerant and the liquefying refrigerant, said last mentioned means including a heat exchange device forming a portion of a bypass extending around the evaporator for liquefying refrigerant by giving up heat therefrom directly to evaporating refrigerant.

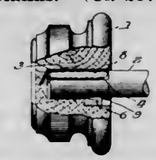
2,080,359
METHOD FOR THE PRODUCTION OF A CATALYST FOR THE REDUCTION OF SULPHUR DIOXIDE
Robert Lepsoe and James Roland Mills, Trail, British Columbia, Canada, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada, a company of Canada
No Drawing. Application February 23, 1935, Serial No. 7,836
8 Claims. (Cl. 23—233)

1. The method of producing a sulphur dioxide reducing catalyst which comprises compounding a mixture containing aluminum hydrate, a refractory carrier material, a solid combustible substance and a sintering agent, moulding the mixture into a suitable shape, drying the moulded mixture and sintering it at a temperature sufficiently low to retain at least part of the water of hydration of the aluminum hydrate.

2,080,360
PROCESS FOR THE PRODUCTION OF SULPHUR FROM SULPHUR DIOXIDE
Robert Lepsoe, Trail, British Columbia, Canada, assignor to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada, a company of Canada
No Drawing. Application January 13, 1936, Serial No. 58,987
12 Claims. (Cl. 23—226)

1. A process for the production of substantially pure sulphur from sulphur dioxide which comprises introducing sulphur dioxide into a carbonaceous fuel bed to form a gas mixture containing carbon monoxide and sulphur, subjecting the gas mixture to such conditions that substantially all the convertible sulphur combines to form carbon oxysulphide, cooling the gas below the condensation point of sulphur, separating the solid and condensed impurities from the carbon oxysulphide, adding clean sulphur dioxide bearing gas to convert carbon oxysulphide to sulphur and carbon dioxide and condensing substantially pure sulphur therefrom.

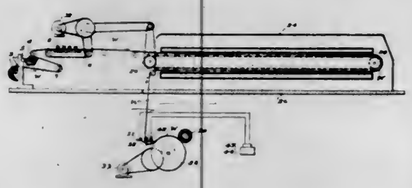
2,080,361
RADIO KNOB
George D. Lindstrom, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Delaware
Application March 30, 1933, Serial No. 663,458
13 Claims. (Cl. 287—53)



13. A knob having an opening therein for receiving the end of a shaft, and means disposed

in said opening for attaching said knob to said shaft, said means comprising a cylindrical member formed of sheet material secured in said opening by an integral portion extending radially into said knob, said cylindrical member being adapted to frictionally receive the end of said shaft.

2,080,362
MANUFACTURE OF PAPER
Luther B. Rogers, Methuen, Mass., assignor to Champion-International Company, Lawrence, Mass., a corporation of Massachusetts
Application January 25, 1935, Serial No. 3,531
8 Claims. (Cl. 91—70)



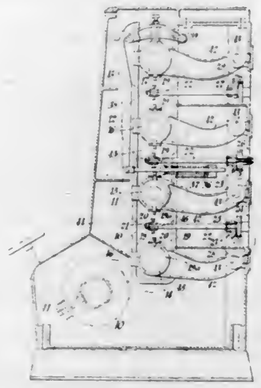
1. The method of manufacturing paper which comprises coating a web of paper, drying said coated web at high speed, testing said web by determining the normal insulating value thereof at its optimum moisture content, after it has been dried, and then calendering said web while at its determined optimum moisture content.

2,080,363
UNVULCANIZED AND VULCANIZED COMPOSITIONS
Paul Stöcklin, Opladen, and Erich Konrad, Leverkusen-I. G. Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 26, 1934, Serial No. 759,314. In Germany December 30, 1933
11 Claims. (Cl. 260—2)

1. The composition of matter comprising a product of the conjoint polymerization of unsaturated hydrocarbons selected from the group consisting of butadiene and isoprene with a nitrile selected from the group consisting of acrylnitrile and methacrylnitrile and a high molecular sulfur-containing product of the condensation of a water soluble sulfide and a polyhalogenated aliphatic compound.

2,080,364
CHOCOLATE AND LIKE REFINER ROLL MACHINE
Allan Ashmead Tunley and John Currie Paterson, Peterborough, England, assignors to Baker Perkins Company Inc., Saginaw, Mich.
Application April 3, 1934, Serial No. 718,798
In Great Britain April 7, 1933
2 Claims. (Cl. 83—12)

1. In a roll refiner for chocolate and the like having rolls and bearing housings and a framing including parallel upright walls spaced apart equal to the axial length of said housings, vertical guideways on said walls; said bearing housings being vertically movable, a lever integral with each housing and projecting therefrom substantially horizontally, the end of said lever remote from the housing being pivotally secured to the framing; and vertically movable plates associated with the housings, the edges of said plates being received in rebates formed in said guideways,



the adjacent horizontal edges of successive plates being formed with overlapping parts.

2,080,365
TREATMENT OF PETROLEUM DISTILLATES
George Hugo von Fuchs, Wood River, Ill., and Lawson Elwood Border, Boulder, Colo.
No Drawing. Application November 13, 1931, Serial No. 574,920
6 Claims. (Cl. 196—24)

1. In the process of refining a liquid hydrocarbon solution of mercaptans the step of treating the solution with an active copper reagent in the presence of an effective quantity of extraneous gaseous ammonia.

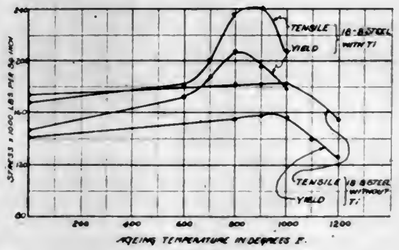
2,080,366
METHOD OF PURIFYING SECONDARY AMINES
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 31, 1935, Serial No. 57,007
12 Claims. (Cl. 260—128)

1. In a method of separating secondary diaryl amines from primary aryl amines in aqueous solution by treatment with a quantity of acid sufficient to react with all of the primary amine present, the improvement which comprises adding to the reaction medium an emulsifying agent.

7. In a method of separating secondary diaryl amines from primary aryl amines in aqueous solution by treatment with a quantity of acid sufficient to react with all of the primary amine present, the improvement which comprises adding to the reaction medium an approximately 1%-gelatin solution containing about 5% of hydrochloric acid and then separating the modified primary amine constituents from the diaryl amine product.

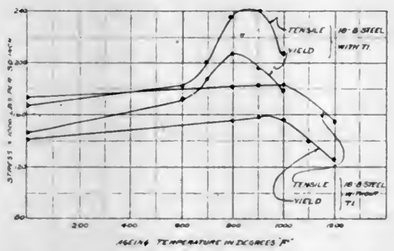
8. In a method of separating secondary diaryl amines from primary aryl amines in aqueous solution by treatment with a quantity of acid sufficient to react with all of the primary amine present, the improvement which comprises adding glue to the reaction medium and then separating the purified diaryl amine.

2,080,367
PROCESS FOR IMPROVING THE PHYSICAL PROPERTIES OF AUSTENITIC STEELS
Paul D. Ffield, Akron, Ohio, assignor to Goodyear-Zeppelin Corporation, Akron, Ohio, a corporation of Delaware
Application August 14, 1933, Serial No. 685,069
4 Claims. (Cl. 148—12)



1. The process of improving the physical properties of a chromium-nickel austenitic steel containing a small amount of titanium which steel has been quenched from a temperature above the solution temperature to a normal temperature, which comprises the steps of improving the tensile strength of the steel by cold-working and thereafter re-heating below recrystallization temperature but at such a temperature as to obtain a critical dispersion of carbide therein.

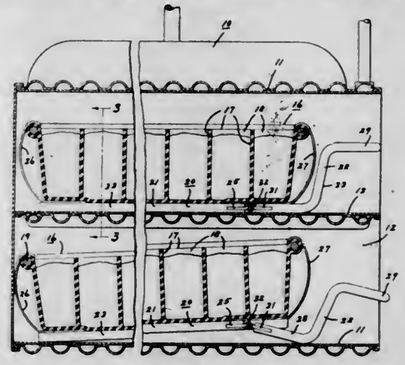
2,080,368
PROCESS FOR IMPROVING THE PHYSICAL PROPERTIES OF AUSTENITIC STEELS
Paul D. Ffield, Akron, Ohio, assignor to Goodyear-Zeppelin Corporation, Akron, Ohio, a corporation of Delaware
Application June 22, 1934, Serial No. 731,938
5 Claims. (Cl. 148—12)



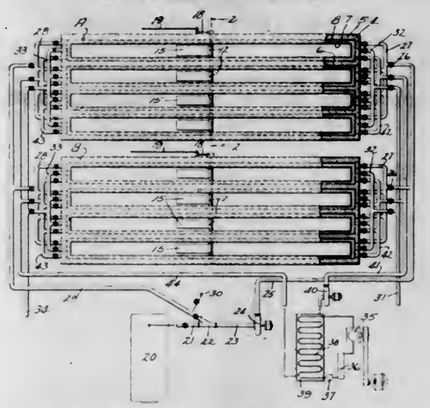
1. The process of improving the physical properties of a chromium-nickel austenitic steel containing a small amount of columbium which steel has been quenched from a temperature above the solution temperature to a normal temperature, which comprises the steps of cold-working and then re-heating below recrystallization temperature but at such a temperature as to obtain a critical dispersion of carbide therein.

2,080,369
REFRIGERATING APPARATUS
Bertram B. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 21, 1935, Serial No. 12,243
5 Claims. (Cl. 62—108.5)

1. A refrigerating apparatus comprising in combination, a cooling element having a support for receiving an ice tray, a flexible non-metallic freezing tray on said cooling element support, a metal device for carrying and positioning said tray on the cooling element support, said device including a plurality of members secured together and extending longitudinally under said tray for supporting same, a plurality of resilient spring clips secured to said longitudinally extending members and fitting over the top edge of said tray for holding the tray upon the device, and a handle pivotally secured to a portion of said device and adapted when moved about its pivotal mounting to break an ice bond between said tray and its support on the cooling element.



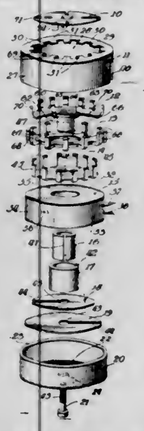
2,080,370
APPARATUS FOR HANDLING DAIRY PRODUCTS
Edwin Hauk, Milwaukee, Wis., assignor of one-half to Marion L. Crouch and Orpha M. Crouch, both of Milwaukee, Wis.
Application July 28, 1933, Serial No. 682,584
13 Claims. (Cl. 31—47)



1. Dairy apparatus comprising a series of narrow tanks having a length many times exceeding their width, a common casing for said series of tanks in which they are arranged side by side, jackets for the individual tanks, and means for thermally insulating said tanks from each other.

4. Dairy apparatus comprising the combination with a series of laterally adjacent tanks, of agitating means spanning said series of tanks, and agitators for the individual tanks removably connected with said means for the selective agitation of the contents of a particular tank during the operation of said means.

2,080,371
MOTOR
Laurens Hammond, Chicago, Ill., assignor to The Hammond Clock Company, Chicago, Ill., a corporation of Delaware
Application May 9, 1932, Serial No. 610,098
9 Claims. (Cl. 172—278)



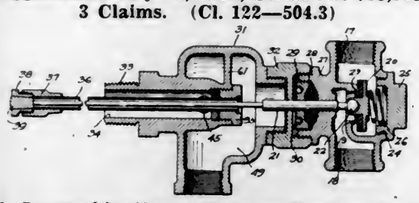
1. In an electric motor, the combination of a pair of cup shaped metallic shells of magnetic metal forming a casing, with an energizing coil located in said casing, a plurality of concentrically nesting sleeves located in said coil and forming a core, a disc of magnetic material having a plurality of axially extending pole pieces, one of said shells being formed with an aperture having radially inwardly extending pole pieces, and a rotor comprising a disc member rotatably mounted adjacent the ends of said pole pieces.

2,080,372
TIP FOR PROPELLING PENCILS
Konrad Kressel, Dusseldorf, Germany, assignor, by mesne assignments, to Mont Blanc-Simplo, G. m. b. H., Hamburg, Germany
Application May 9, 1935, Serial No. 20,572
In Germany May 14, 1934
17 Claims. (Cl. 120—9)



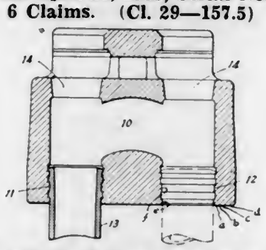
16. An externally conical tip for a propelling pencil having in its wall longitudinal spiral line slits extending completely through the thickness of the wall, the slits being open ended at the smaller extremity of the tip.

2,080,373
RELIEF VALVE
John T. Marvin, Fairview Village, Ohio, assignor to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Application July 16, 1934, Serial No. 735,315
3 Claims. (Cl. 122—504.3)



1. In combination, safety mechanism for attachment to a pressure tank comprising a tubular member communicable with the interior of the tank to relieve the latter of abnormal conditions through said tube, fusible means closing the inner end of said tubular member, a body member secured to the outer end of said tubular member, said body member having an outlet opening therein, an operating device within said tubular member and bearing upon said fusible means, and means actuating such operating device upon the fusing of said fusible means to completely remove the latter from the said tubular means and establish communication to the tank interior through said tubular member.

2,080,374
METHOD OF MAKING PRESSURE VESSELS
Alexander R. McAllister, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application April 25, 1933, Serial No. 667,809
6 Claims. (Cl. 29—157.5)

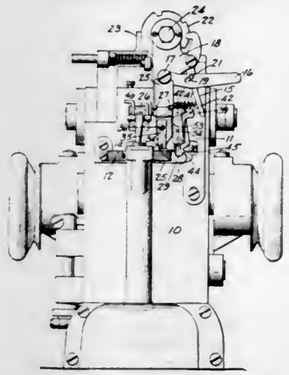


1. The method of forming a tube seat in a pressure vessel formed of metal having a relatively low yield point which comprises casting the pressure vessel with a tube seat of less diameter than the desired final diameter, then cold rolling the tube seat to increase its diameter and the hardness of the locally surrounding metal but without changing its form or exceeding the desired final diameter, and then machining the tube seat to the desired final form and diameter.

2,080,375
FIBROUS COMPOUND OF THERMOPLASTIC RUBBER DERIVATIVES
James A. Merrill, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 4, 1934, Serial No. 723,903
2 Claims. (Cl. 106—23)

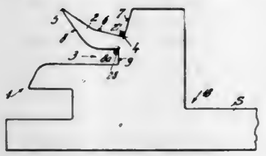
1. The method of forming fiber-containing products which comprises treating rubber in solution in a volatile solvent with a halide of an amphoteric element and without removing the resulting rubber derivative from solution mixing it with water and fibrous material and thereafter separating the water and volatile solvent and shaping the fibrous mass.

2,080,376
FABRIC GUIDING AND UNCURLING DEVICE
John F. Michler, Easton, Pa., assignor to Chipman Knitting Mills, Easton, Pa., a corporation of Pennsylvania
Application October 30, 1936, Serial No. 108,454
5 Claims. (Cl. 112—20)



1. A device of the character described comprising opposed fabric uncurling members yieldingly urged toward one another; an intermediate member normally lying between the active portions of said uncurling members and coacting with them on fabric layers travelling between the said uncurling members and said intermediate member, but movable relative to said uncurling members out from between said layers; and means for yieldingly holding said intermediate member in normal position, with freedom to move as aforesaid when caught by the fabric.

2,080,377
CIRCULAR KNITTING MACHINE
Max Nebel, Chemnitz, Germany
Application May 23, 1934, Serial No. 727,071
In Germany May 27, 1933
10 Claims. (Cl. 66—93)

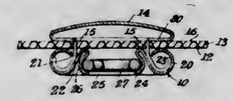


1. In a circular knitting machine, a set of needles, a sinker allotted to each needle for knitting loop-plush fabric comprising a nib directed toward the front side of the allotted needle, a plush throat at the rear end of the nib, a point at the front end of said nib which is at a higher level than said plush throat, a web-holding edge, and a ground-thread throat positioned substantially vertically below the lower end of said plush throat at the rear end of said web-holding edge, the bottom edge of said ground thread throat being arranged to act as the sinking edge for the ground threads when these threads are sunk in the axial direction of said needles.

2,080,378
COMBINED WEED KILLER AND FERTILIZER
William Quinn, Ottawa, Ill.
No Drawing. Application April 29, 1935, Serial No. 18,876
2 Claims. (Cl. 71—4)

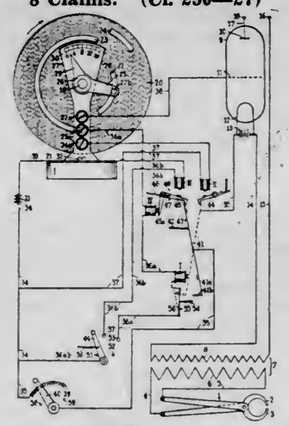
2. A weed-killing and soil fertilizing solution for eradicating poison ivy comprising sodium hydroxide nine parts, sodium nitrate one part and water twenty-one parts.

2,080,379
SOCKET
Daniel I. Reiter, New York, N. Y.
Application August 20, 1936, Serial No. 96,916
4 Claims. (Cl. 24—216)



3. In a resilient socket, a socket member having an outermost anvil portion provided with a series of tongue-forming spaced radial slits, a single imperforate wall closely adjacent the anvil portion and terminating at one end in a free edge and at its other end in a bend subtending an angle of approximately 180°, said bend integrally joining the imperforate wall to the anvil portion, said imperforate wall being bent outwardly intermediate its ends into substantially semi-circular cross-section to provide a ring-receiving recess therein and a resilient ring in said recess.

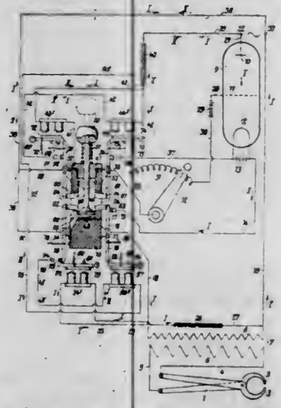
2,080,380
CIRCUIT SYSTEM FOR ELECTRIC INSTANTANEOUS SPOT WELDING
Ludwig Schiff, Berlin-Lichterfelde, Germany, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa.
Application September 13, 1933, Serial No. 689,166
In Germany September 17, 1932
8 Claims. (Cl. 250—27)



1. A control system for an electrical work circuit requiring brief applications of a large volume of alternating current comprising a primary control circuit, periodic switching means for periodically partially closing said primary control circuit, auxiliary switching means for partially closing said primary control circuit, an auxiliary control circuit controlling said auxiliary switching means, means for partially closing said auxiliary control circuit during the non-closing pe-

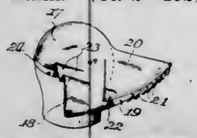
riods of said periodic switching means, manual means for partially closing said auxiliary control circuit, closed circuit locking means for locking said auxiliary switching means in circuit closing position, means for releasing said locking means between the ending of a periodic partial closure of the primary control circuit by the periodic switching means and the beginning of a periodic partial closure of the auxiliary circuit, open circuit locking means for locking the auxiliary switching means in open circuit position, and manually controlled means for releasing said open circuit locking means.

2,080,381
PROCESS AND APPARATUS FOR ELECTRIC INSTANTANEOUS SPOT WELDING
Ludwig Schiff, Berlin-Lichterfelde, Germany, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa.
Application May 2, 1934, Serial No. 723,472
In Germany January 27, 1933
10 Claims. (Cl. 250—27)



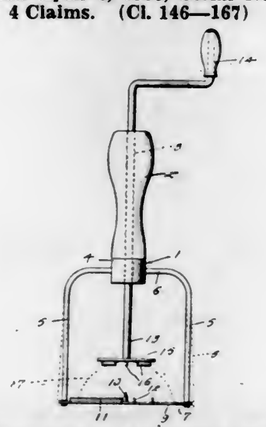
1. A circuit control system comprising a circuit to be controlled, a source of alternating current, rectifying means connecting said source with said circuit and polarized switching means in said circuit operatively connected with said source only in response to current flow from said source in a direction opposite to that permitted by said rectifying means.

2,080,382
HAT AND THE MANUFACTURE THEREOF
Earl Siegel, Chicago, Ill., assignor to Grand Trimmed Hat Mfg. Co., Chicago, Ill., a corporation of Illinois
Application November 16, 1936, Serial No. 111,044
1 Claim. (Cl. 2—192)



An improved method of manufacturing hats formed from a hat body having side walls, a closed end and an opposite open end, which comprises forming a head opening in the side wall adjacent the closed end, folding the body together and placing on a form which extends into said opening so as to form a crown from the side wall disposed opposite said opening, said body being so folded that the corresponding wall portions below said opening will be in super-imposed relation to constitute a brim, and imparting desired configuration or ornamentation to said brim portion of the body.

2,080,383
FRUIT AND VEGETABLE SLICER
Ewing H. Taylor and Elbert L. Pardue, Nashville, Porter Dunlap, McKenzie, and Sterling O. Edmonds, Eagleville, Tenn.
Application April 4, 1936, Serial No. 72,802
4 Claims. (Cl. 146—167)



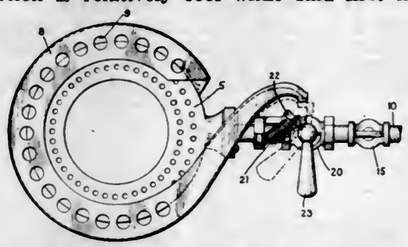
1. A slicer comprising a handle, a pair of spaced prongs connected with the handle, a flat article supporting body disposed between said prongs, a cutting blade carried by the body with a cutting edge in spaced parallel relation therewith, means for detachably coupling said body between the ends of said prongs, means adjacent an end of said knife forming a rotary center for a body of fruit or a vegetable on the body, and means for simultaneously holding the fruit or vegetable on said centering means and effecting its rotation about the same and in contact with the blade.

2,080,384
PRODUCTION OF SULPHUR
Bernard M. Carter, Montclair, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application April 21, 1932, Serial No. 606,757
12 Claims. (Cl. 23—226)

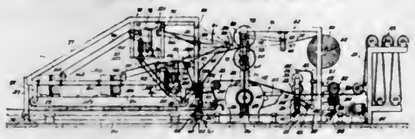
1. The method of producing elemental sulphur which comprises contacting sulphur dioxide, at elevated reacting temperatures not substantially in excess of about 650° C., with carbonaceous material formed by decomposing acid sludge.

2,080,385
AUTOMATIC SAFETY SHUT-OFF FOR BURNERS
Oliver Congdon, Brooklyn, N. Y.
Application October 1, 1929, Serial No. 396,456
Renewed October 20, 1936
6 Claims. (Cl. 158—117.1)

1. In a safety device for heaters, the combination of a pipe to conduct a heat producing fuel thereto, a valve in said pipe to control the passage of said fuel, a spring to normally move said valve to its shut-off position to prevent the passage of said fuel thru said pipe, and means, comprising a deformable element with one edge positioned to receive the heat developed at said heater and another edge relatively distant from said heated edge and being turned down to extend below the heating portion of said heater whereby, when said heater is in action, said turned down portion is relatively cool while said first mentioned edge is hot and said deformable element is deformed and said valve is held open against the action of said spring, and whereby, should said heat cease to develop, said deformable element assumes its normal shape and said valve is released and the passage of said fuel to said heater is shut off thru the operation of said valve by said spring connected thereto.

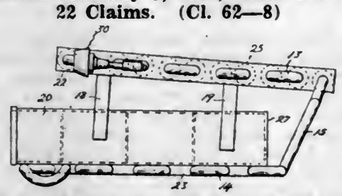


2,080,386
METHOD AND APPARATUS FOR MANUFACTURE OF SHEET SURFACING MATERIALS
Albert C. Fischer, Chicago, Ill., assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application March 26, 1927, Serial No. 178,631
25 Claims. (Cl. 154—38)



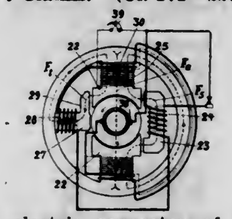
1. In an apparatus for the manufacture of sheet surfacing materials, means for feeding a foundation sheet, means for feeding a sheet the subdivisions of which are to be superposed thereon, means for dividing said second sheet and delivering its subdivisions to said foundation sheet, the last named means comprising cutters adapted to subdivide said second sheet and means adapted to receive and space the separated parts at predetermined angles and apply them in predetermined spaced relation upon the foundation sheet, and means adapted to be selectively employed for dividing the composite sheet into individual elements of different designs.

2,080,387
REFRIGERATING COIL FOR REFRIGERATING MACHINES
Harry C. Hayes, Detroit, Mich.; Anna M. Hayes administratrix of Harry C. Hayes, deceased
Application February 9, 1931, Serial No. 514,421
22 Claims. (Cl. 62—8)



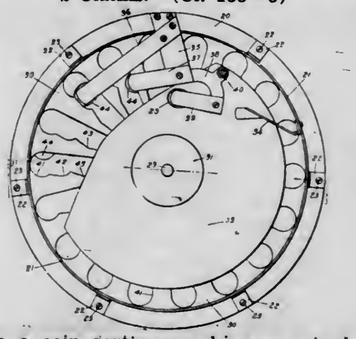
2. In a refrigerant expansion system, a continuous elongated evaporator system incorporating an upper portion having a metallic wall provided with irregularities to increase its effective heat-conductive surface, and a lower portion without such provision, and means responsive to temperature changes of the upper section for starting and stopping refrigerant flow within the system.

2,080,388
DIRECT-CURRENT GENERATOR
Helmut Emil Johannes Langkau, Aachen, Germany, assignor of one-half to Georg Ullrich, Magdeburg, Germany
Application July 14, 1934, Serial No. 735,182
In Germany September 25, 1930
7 Claims. (Cl. 171—223)



1. In an electric generator of the kind described, the combination of a stator and a rotary armature, magnetic pole cores provided in said stator, windings surrounding said cores for exciting them when being traversed by a separately excited current, means for removing a lag of the potential, said means consisting in iron bodies arranged in tangential position between said pole cores and being surrounded by windings adapted for being traversed by the main current of the generator in such direction as to increase the density of the leakage lines of force passing through said iron bodies.

2,080,389
COIN SORTING MACHINE
Jesse E. Rasmusen and Christian A. Lausen, Fort Worth, Tex.; said Lausen assignor to said Rasmusen
Application December 21, 1931, Serial No. 582,198
2 Claims. (Cl. 133—3)



2. In a coin sorting machine, a coin hopper having an inclined bottom with a plurality of discharge openings therein, a disc mounted for rotation on said bottom, said disc having a plurality of radially disposed slots therein with seats for receiving coins of different sizes and for assisting in conveying them to the opening according to size, a stationary disc-shaped member formed to cooperate with the rotatable disc and the inclined bottom to cause the coins to travel singly in said slots between said stationary

disc and said inclined bottom to said discharge openings, said stationary disc being of less size than the rotatable disc and cut away at one part, and means acting on the coins in the cut-away part of the stationary disc to expel certain of the coins.

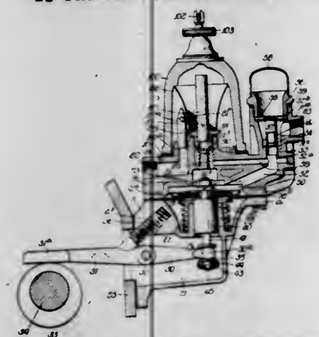
2,080,390
ELECTRODE
James M. Booe, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Original application December 31, 1934, Serial No. 759,898, now Patent No. 2,052,962, dated September 1, 1936. Divided and this application March 14, 1936, Serial No. 68,874
13 Claims. (Cl. 175—315)



Magnified View

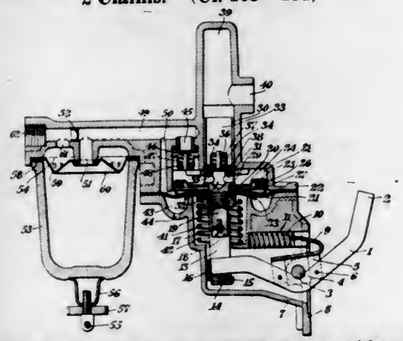
5. An electrode for electrolytic condensers consisting of a sheet of aluminum foil having an etched surface characterized by areas of differing depths of etch, said areas forming a screen design on said surface, whereby said surface area is greater than the surface area of a smooth flat foil of the same dimensions of length and breath, and a current-blocking film formed directly on said surface.

2,080,391
FUEL PUMP
Edward A. Rockwell, Chicago, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 26, 1930, Serial No. 431,401
13 Claims. (Cl. 103—150)



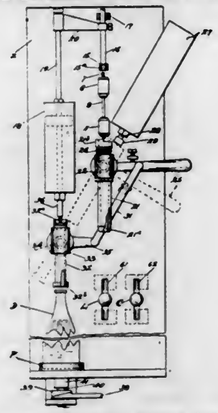
1. Fuel feeding apparatus comprising a body member, a recessed fuel pumping chamber in the bottom thereof, a pumping diaphragm sealing the pumping chamber, an inlet connection to said body member for delivering fuel to an intake passage delivering upwardly above the top portion of said body member, a centrally disposed passage communicating with the fuel pumping chamber, an intake valve controlling said central passage and a cup member adapted to be removably secured in sealing engagement with the upper portion of said body member to form an intake trapping chamber in communication with the intake passage and the centrally disposed passage to the fuel pumping chamber.

2,080,392
FUEL PUMPING APPARATUS
Edward A. Rockwell, Forest Hills, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 8, 1935, Serial No. 25,573
2 Claims. (Cl. 103—154)



1. A fuel pump having relatively movable parts forming a pump chamber, a first tubular member carried by and movable with one of said relatively movable members, a second tubular member surrounding and guiding said first tubular member and having unrestricted communication with the discharge opening from said pump, said pump having an outlet valve located in said first tubular member.

2,080,393
BOTTLE CORKING MACHINE
Harry G. Moore, Los Angeles, Calif.
Application October 6, 1936, Serial No. 104,240
11 Claims. (Cl. 226—91)

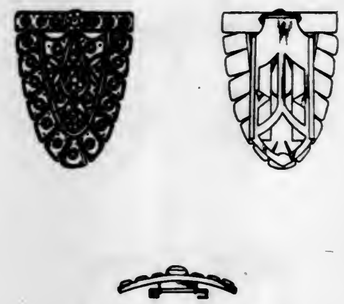


1. A bottle corking machine having, in combination, a dual tiltable cork unit receiving and contracting device, a loader for pressing a cork thereinto, means for pressing the unit through said device to contract the unit, a tiltable unit guide means operatively connected to the contracting device to be aligned therewith for receiving the contracted unit, and means for ramming the contracted unit from the guide into the neck of a bottle stationed thereat.

DESIGNS

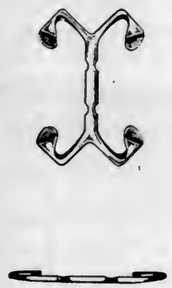
MAY 11, 1937

104,429
DESIGN FOR A CLIP
Charles Adler, New York, N. Y.
Application March 30, 1937, Serial No. 68,473
Term of patent 3½ years



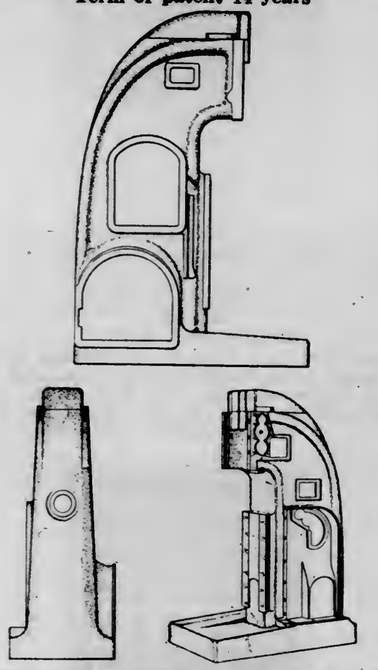
The ornamental design for a clip, substantially as shown.

104,430
DESIGN FOR A SHOE ORNAMENT
Louis Alterson, New York, N. Y.
Application April 8, 1937, Serial No. 68,624
Term of patent 3½ years



The ornamental design for a shoe ornament, substantially as shown.

104,431
DESIGN FOR A COMBINED MILLING MACHINE COLUMN AND BASE
Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application January 16, 1937, Serial No. 67,082
Term of patent 14 years



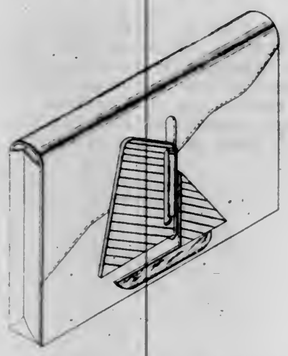
The ornamental design for a combined milling machine column and base, substantially as shown.

104,432
DESIGN FOR A CHARM
Emanuel L. Arzt, Brooklyn, N. Y.
Application March 12, 1937, Serial No. 68,135
Term of patent 7 years



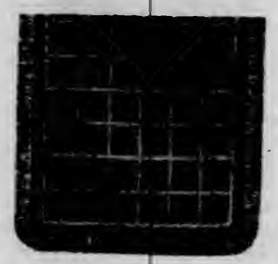
The ornamental design for a charm as shown.

104,433
DESIGN FOR A LADY'S HANDBAG OR SIMILAR ARTICLE
Julius Ballenzweig, New York, N. Y.
Application April 9, 1937, Serial No. 68,647
Term of patent 3½ years



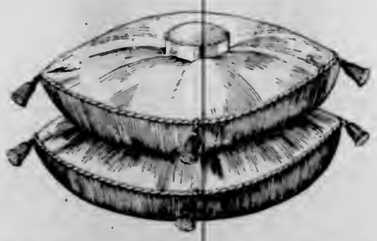
The ornamental design for a lady's handbag or similar article, substantially as shown and described.

104,434
DESIGN FOR A RUG
Lucien Biva, New York, N. Y., assignor to Otto Timme, doing business under name and style of E. F. Timme & Son, New York, N. Y.
Application January 19, 1937, Serial No. 67,147
Term of patent 7 years



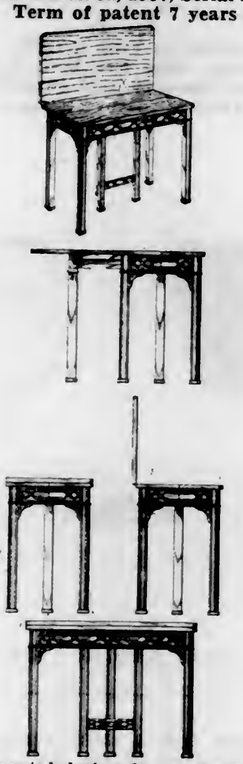
The ornamental design for a rug, as shown and described.

104,435
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Giuseppe Bonardi, New York, N. Y.
Application February 5, 1937, Serial No. 67,453
Term of patent 14 years



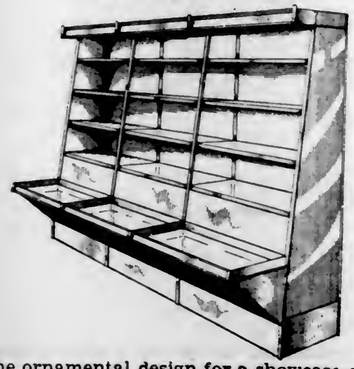
The ornamental design for a bottle or similar container, as shown.

104,436
DESIGN FOR A CONSOLE EXTENSION TABLE
Carl H. Brandt, Hagerstown, Md., assignor to The Brandt Cabinet Works, Inc., Hagerstown, Md., a corporation of Maryland
Application March 31, 1937, Serial No. 68,503
Term of patent 7 years



The ornamental design for a console extension table, as shown.

104,437
DESIGN FOR A SHOWCASE OR SIMILAR ARTICLE
Orville Bulman, Grand Rapids, Mich., assignor to E. O. Bulman Manufacturing Co. Inc., Grand Rapids, Mich., a corporation of Michigan
Application March 15, 1937, Serial No. 68,170
Term of patent 7 years



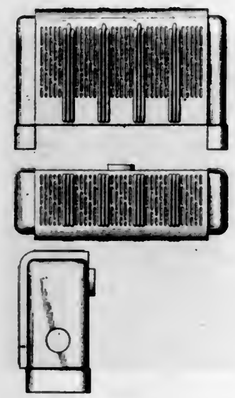
The ornamental design for a showcase or similar article, as shown and described.

104,438
DESIGN FOR A SLIPPER
Dominick J. Calderazzo, Brooklyn, N. Y.
Application April 2, 1937, Serial No. 68,522
Term of patent 3½ years



The ornamental design for a slipper substantially as shown.

104,439
DESIGN FOR A GAS HEATER CASING
Robert G. Calton, Nashville, Tenn., assignor to Tennessee Enamel Manufacturing Company, Nashville, Tenn., a corporation of Tennessee
Application March 3, 1937, Serial No. 67,968
Term of patent 3½ years



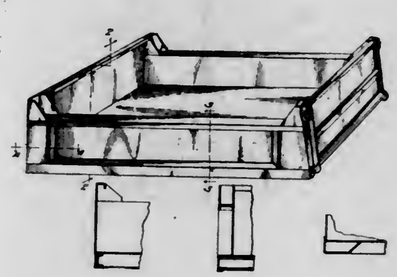
The ornamental design for a gas heater casing, as shown.

104,440
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Gotel Canelstein, New York, N. Y.
Application April 16, 1937, Serial No. 68,812
Term of patent 3½ years



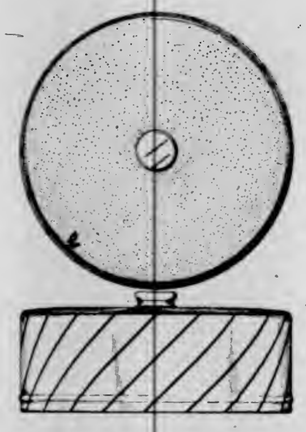
The ornamental design for a textile fabric or similar article as shown and described.

104,441
DESIGN FOR A DUMP BODY
Harry Cohen, Galion, Ohio, assignor to The Perfection Steel Body Company, Galion, Ohio, a corporation
Application April 9, 1936, Serial No. 62,042
Term of patent 14 years



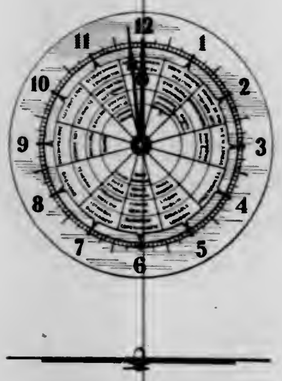
The ornamental design for a dump body, substantially as shown and described.

104,442
DESIGN FOR A CAKE BOX COVER
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application September 30, 1936, Serial No. 65,091
Term of patent 7 years



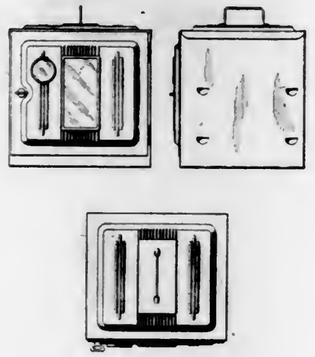
The ornamental design for a cake box cover substantially as shown and described.

104,443
DESIGN FOR A COMBINED DIAL AND HANDS FOR A CLOCK OR SIMILAR ARTICLE
Aaron Elkonin, Brooklyn, N. Y.
Application January 9, 1937, Serial No. 66,972
Term of patent 14 years



The ornamental design for a combined dial and hands for a clock or similar article substantially as shown.

104,444
DESIGN FOR A BAKING OVEN
William Fader, Newark, N. J.
Application March 19, 1937, Serial No. 68,281
Term of patent 7 years



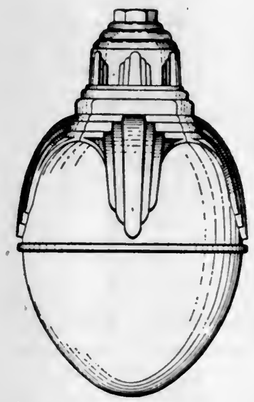
The ornamental design for a baking oven as shown.

104,445
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
George W. Gundermann, Flushing, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y.
Application April 16, 1937, Serial No. 68,813
Term of patent 3½ years



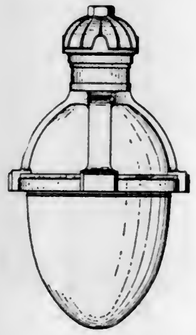
The ornamental design for a textile fabric or similar article as shown.

104,446
DESIGN FOR A LIGHTING UNIT
Carl F. Haas, Cleveland, Ohio, assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1936, Serial No. 65,605
Term of patent 14 years



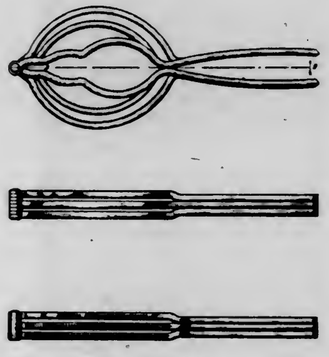
The ornamental design for a lighting unit substantially as shown and described.

104,447
DESIGN FOR A LIGHTING UNIT
Carl F. Haas, Cleveland, Ohio, assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1936, Serial No. 65,606
Term of patent 14 years



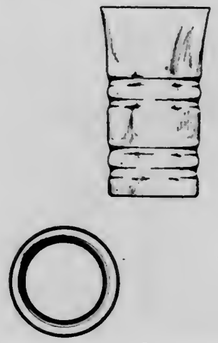
The ornamental design for a lighting unit substantially as shown and described.

104,448
DESIGN FOR A COMBINED JAR AND BOTTLE WRENCH
Bertis F. Hamilton, Columbus, Ind.
Application August 21, 1936, Serial No. 64,503
Term of patent 3½ years



The ornamental design for a combined jar and bottle wrench, as shown.

104,449
DESIGN FOR A TUMBLER
Melvin O. Hansen, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 19, 1937, Serial No. 68,284
Term of patent 14 years



The ornamental design for a tumbler substantially as shown.

104,450
DESIGN FOR A STARTING BOX
Thomas A. Keen, San Mateo, Calif., assignor to Hannah M. Smith, River Forest, Ill.
Application October 7, 1935, Serial No. 58,859
Term of patent 14 years



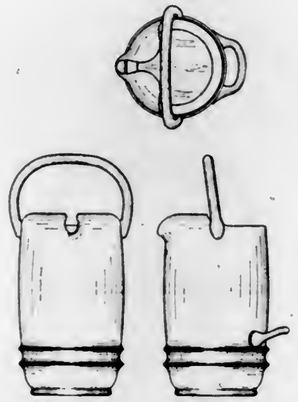
The ornamental design for a starting box as shown.

104,451
DESIGN FOR A VACUUM CLEANER
Frank Keller, Pasadena, Calif.
Application March 15, 1937, Serial No. 68,173
Term of patent 3½ years



The ornamental design for a vacuum cleaner, substantially as shown.

104,452
DESIGN FOR A JUG OR SIMILAR ARTICLE
Jess Clair Kelly, Cambridge, Ohio
Application March 22, 1937, Serial No. 68,331
Term of patent 7 years



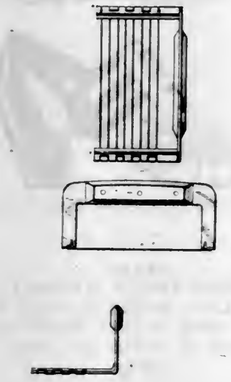
The ornamental design for a jug or similar article, substantially as shown.

104,453
DESIGN FOR A GLASS BOTTLE
Lawrence J. Kihn, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application February 27, 1937, Serial No. 67,896
Term of patent 3½ years



The ornamental design for a glass bottle substantially as shown.

104,454
DESIGN FOR A CHEESE SLICER
Joseph William Koch, Santa Fe, N. Mex.
Application March 12, 1937, Serial No. 68,143
Term of patent 7 years



The ornamental design for a cheese slicer as shown.

104,455
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application April 17, 1937, Serial No. 68,828
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

104,456
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application April 17, 1937, Serial No. 68,829
Term of patent 3½ years



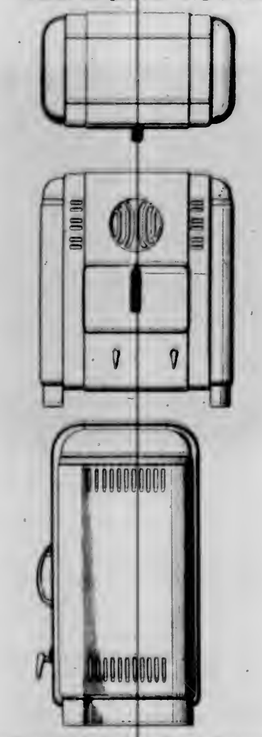
The ornamental design for a textile fabric, substantially as shown, and described.

104,457
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application April 17, 1937, Serial No. 68,830
Term of patent 3½ years



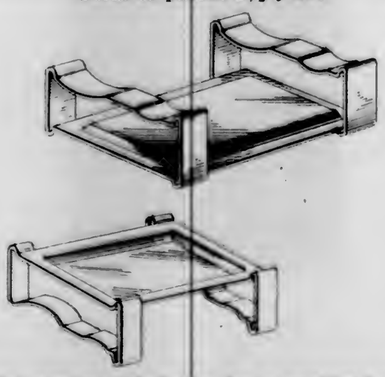
The ornamental design for a textile fabric, substantially as shown, and described.

104,458
DESIGN FOR A SPACE HEATER
Ralph E. Kruck, Springfield, Mass., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application March 4, 1937, Serial No. 67,979
Term of patent 3½ years



The ornamental design for a space heater substantially as shown and described.

104,459
DESIGN FOR A COMBINED STAND AND ASHTRAY
Richard R. Lemmon, New Albany, Ind.
Application September 19, 1936, Serial No. 64,930
Term of patent 3½ years



The ornamental design for a combined stand and ashtray, as shown.

104,460
DESIGN FOR A SHOE
Morris Lippert, Brooklyn, N. Y.
Application April 3, 1937, Serial No. 68,544
Term of patent 3½ years



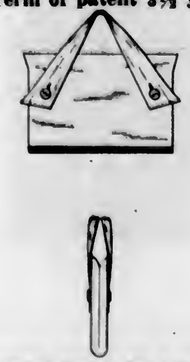
The ornamental design for a shoe, substantially as shown.

104,461
DESIGN FOR A HANDBAG
Edward Lowy, Brighton Beach, N. Y.
Application April 15, 1937, Serial No. 68,795
Term of patent 3½ years



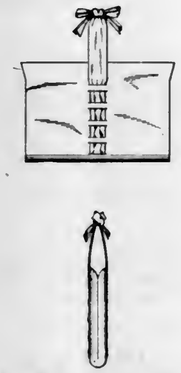
The ornamental design for a handbag substantially as shown.

104,462
DESIGN FOR A HANDBAG
Edward Lowy, Brighton Beach, N. Y.
Application April 15, 1937, Serial No. 68,796
Term of patent 3½ years



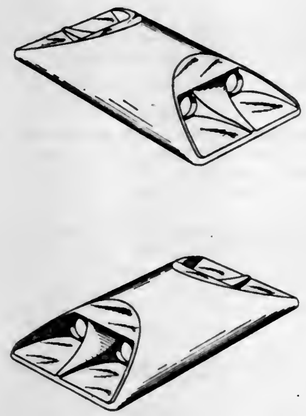
The ornamental design for a handbag substantially as shown.

104,463
DESIGN FOR A HANDBAG
Edward Lowy, Brighton Beach, N. Y.
Application April 15, 1937, Serial No. 68,797
Term of patent 3½ years



The ornamental design for a handbag substantially as shown.

104,464
DESIGN FOR A ROAD MARKER
Louis A. McCarthy, Minneapolis, Minn.
Application August 14, 1936, Serial No. 64,410
Term of patent 3½ years



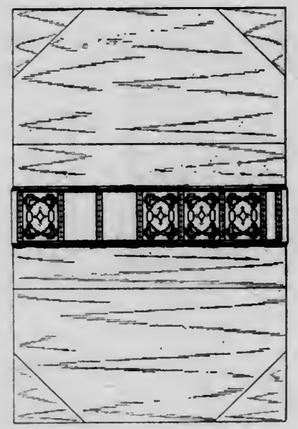
The ornamental design for a road marker, as shown.

104,465
DESIGN FOR A PLAQUE
Daniel J. McNamara, Albany, N. Y.
Application November 30, 1935, Serial No. 59,848
Term of patent 3½ years



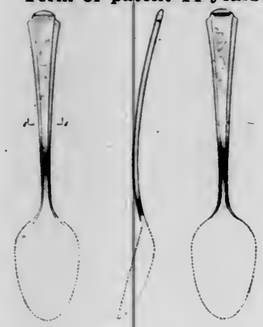
The ornamental design for a plaque as shown.

104,466
DESIGN FOR A BOOK COVER
Leonard Mounteney, Chicago, Ill., assignor to Consolidated Book Publishers, Inc., Chicago, Ill., a corporation of Illinois
Application March 25, 1937, Serial No. 68,402
Term of patent 7 years



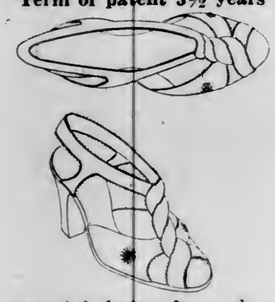
The ornamental design for a book cover, as shown.

104,467
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
John P. O'Donnell, Hartford, Conn., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application March 19, 1937, Serial No. 68,285
Term of patent 14 years



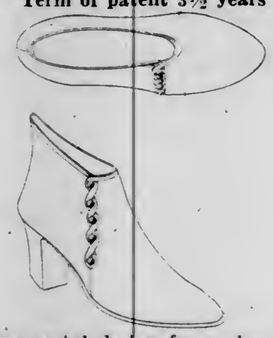
The ornamental design for a spoon or other article of flatware, substantially as shown.

104,468
DESIGN FOR A SHOE OR SIMILAR ARTICLE
André Perugia, Paris, France
Application April 12, 1937, Serial No. 68,691
Term of patent 3½ years



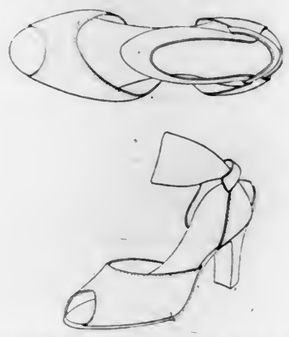
The ornamental design for a shoe or similar article, substantially as shown.

104,469
DESIGN FOR A SHOE OR SIMILAR ARTICLE
André Perugia, Paris, France
Application April 12, 1937, Serial No. 68,692
Term of patent 3½ years



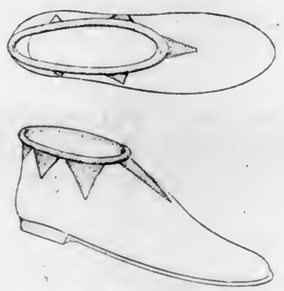
The ornamental design for a shoe or similar article, substantially as shown.

104,470
DESIGN FOR A SHOE OR SIMILAR ARTICLE
André Perugia, Paris, France
Application April 12, 1937, Serial No. 68,693
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

104,471
DESIGN FOR A SHOE OR SIMILAR ARTICLE
André Perugia, Paris, France
Application April 12, 1937, Serial No. 68,694
Term of patent 3½ years



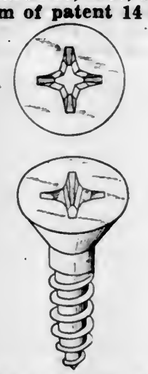
The ornamental design for a shoe or similar article, substantially as shown.

104,472
DESIGN FOR A SHOE OR SIMILAR ARTICLE
André Perugia, Paris, France
Application April 12, 1937, Serial No. 68,696
Term of patent 3½ years



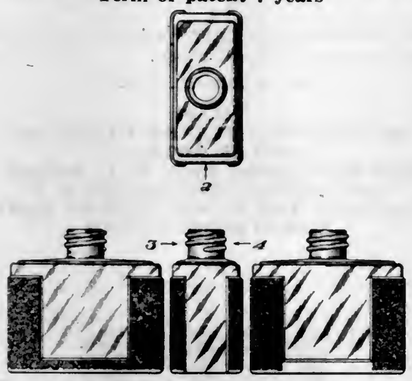
The ornamental design for a shoe or similar article, substantially as shown.

104,473
DESIGN FOR A SCREW
Henry F. Phillips, Portland, Oreg.
Application March 15, 1937, Serial No. 68,165
Term of patent 14 years



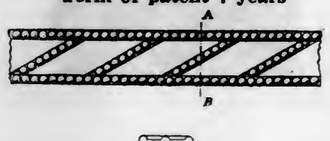
The ornamental design for a screw, as shown and described.

104,474
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Paul E. Roehrich, Hastings, N. Y., assignor to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application March 13, 1937, Serial No. 68,144
Term of patent 7 years



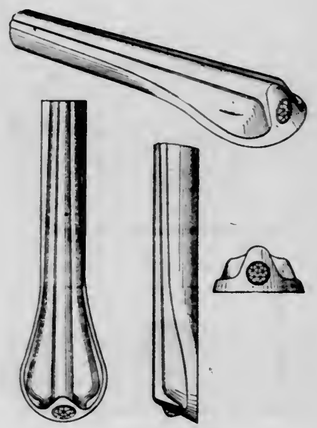
The ornamental design for a bottle or similar article, as shown.

104,475
DESIGN FOR AN OPTICAL WIRE
William A. Rohman, Attleboro, Mass., assignor to The D. E. Makepeace Company, a corporation of Massachusetts
Application March 31, 1937, Serial No. 68,497
Term of patent 7 years



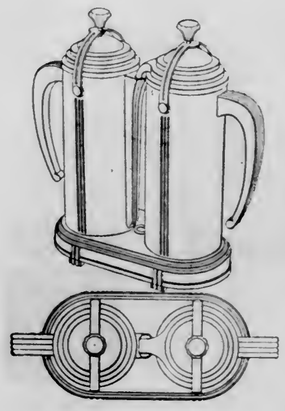
The ornamental design for an optical wire, substantially as shown.

104,476
DESIGN FOR AN EXHAUST PIPE EXTENSION
Linus E. Russell, Springfield, Ohio
Application August 28, 1936, Serial No. 64,617
Term of patent 7 years



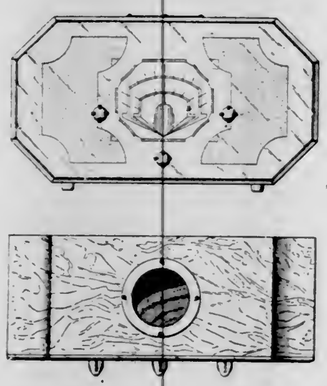
The ornamental design for an exhaust pipe extension substantially as shown and described.

104,477
DESIGN FOR A COFFEE MAKER OR THE LIKE
George T. Scharfenberg, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application March 1, 1937, Serial No. 67,922
Term of patent 14 years



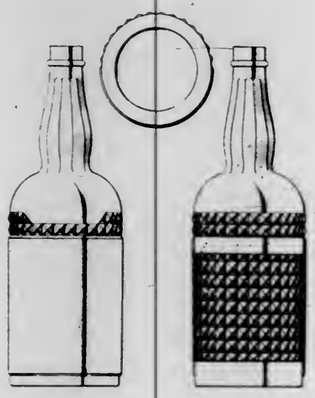
The ornamental design for a coffee maker or the like, substantially as shown.

104,478
DESIGN FOR A RADIO CABINET OR SIMILAR ARTICLE
Raymond Silverstein and Harold Rosen, Chicago, Ill.
Application January 23, 1937, Serial No. 67,263
Term of patent 3½ years



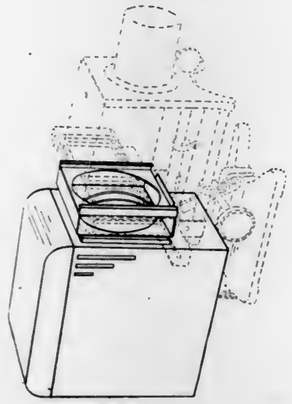
The ornamental design for a radio cabinet or similar article, substantially as shown and described.

104,479
DESIGN FOR A BOTTLE
James S. Steelman, Millville, N. J., assignor to Whitall Tatum Company, Millville, N. J., a corporation of New Jersey
Application March 27, 1937, Serial No. 68,445
Term of patent 14 years



The ornamental design for a bottle as shown.

104,480
DESIGN FOR A PROJECTOR
Otto E. Trautmann, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 17, 1937, Serial No. 68,239
Term of patent 14 years



The ornamental design for a projector substantially as shown and described.

104,481
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
William Laird Turner, Hollis, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y.
Application April 16, 1937, Serial No. 68,811
Term of patent 3½ years



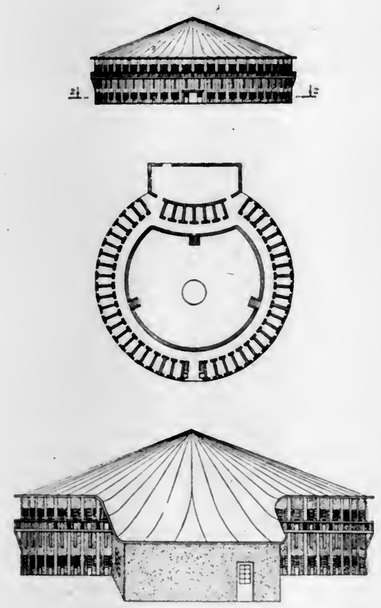
The ornamental design for a textile fabric or similar article as shown and described.

104,482
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application April 19, 1937, Serial No. 68,852
Term of patent 3½ years



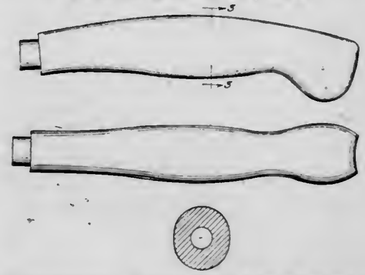
The ornamental design for a textile fabric, substantially as shown.

104,483
DESIGN FOR A RESTAURANT
Jesse J. Van Sandt and Alene Knox, Los Angeles, Calif.
Application November 4, 1936, Serial No. 65,694
Term of patent 14 years



The ornamental design for a restaurant as shown.

104,484
DESIGN FOR A HANDLE FOR A COOKING PAN OR SIMILAR ARTICLE
George A. Weinig, Dover, Ohio
Application July 23, 1936, Serial No. 63,996
Term of patent 14 years



The ornamental design for a handle for a cooking pan or similar article, as shown.

104,485
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Samuel Weinstat, New York, N. Y.
Application April 1, 1937, Serial No. 68,508
Term of patent 3½ years



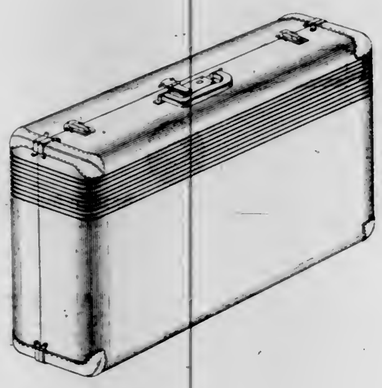
The ornamental design for a shoe or similar article, substantially as shown and described.

104,486
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application April 19, 1937, Serial No. 68,853
Term of patent 3½ years



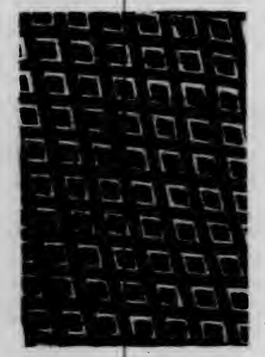
The ornamental design for a textile fabric, substantially as shown and described.

104,487
DESIGN FOR A SUITCASE
Elmer Ellsworth Wilt, Chicago, Ill.
Application April 6, 1937, Serial No. 68,586
Term of patent 14 years



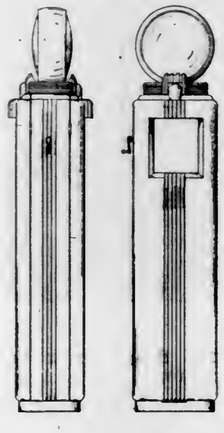
The ornamental design for a suitcase as shown.

104,488
DESIGN FOR A SHOE UPPER MATERIAL
Abraham Turiansky, New York, N. Y.
Application March 27, 1937, Serial No. 68,443
Term of patent 3½ years



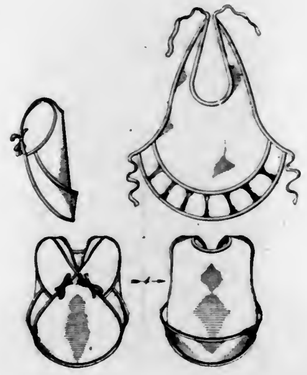
The ornamental design for a shoe upper material substantially as shown and described.

104,489
DESIGN FOR A DISPENSING DEVICE
Wilbur Henry Adams, Cleveland, Ohio, assignor to Erie Meter Systems, Inc., Erie, Pa., a corporation of Pennsylvania
Application October 1, 1936, Serial No. 65,100
Term of patent 7 years



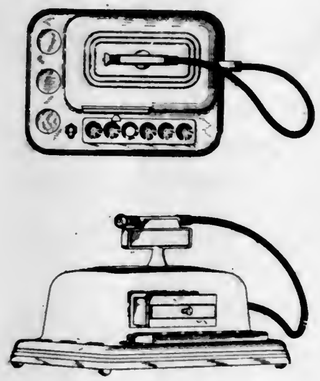
The ornamental design for a dispensing device as shown.

104,490
DESIGN FOR A BABY'S BIB
Laura V. Anderson, Glendale, Calif.
Application March 20, 1937, Serial No. 68,288
Term of patent 7 years



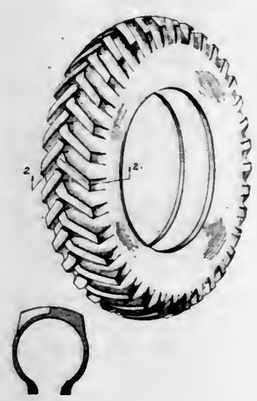
The ornamental design for a baby's bib as shown.

104,491
DESIGN FOR AN ELECTRIC MANICURING MACHINE
Frederick B. Boggs, Springfield, Ohio
Application April 17, 1936, Serial No. 62,160
Term of patent 3½ years



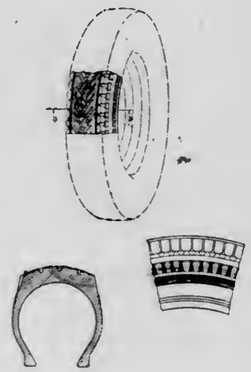
The ornamental design for an electric manicuring machine, as shown and described.

104,492
DESIGN FOR A TIRE
Elmer F. Brunner, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application February 20, 1937, Serial No. 67,766
Term of patent 14 years



The ornamental design for a tire, as shown.

104,493
DESIGN FOR A TIRE
Lloyd L. Clayton, New York, N. Y.
Application December 4, 1936, Serial No. 66,312
Term of patent 7 years



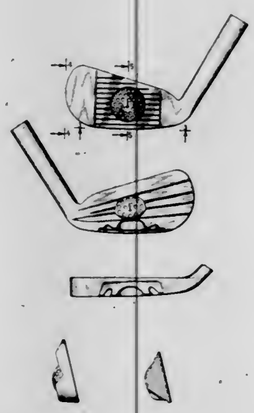
The ornamental design for a tire as shown.

104,494
DESIGN FOR A TEXTILE FABRIC
Curt E. Forstmann, Montclair, N. J.
Application July 24, 1936, Serial No. 64,019
Term of patent 14 years



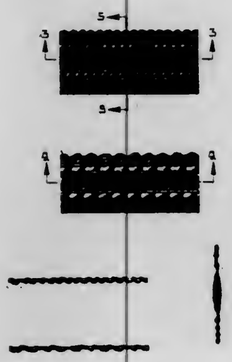
The ornamental design for a textile fabric as described and as shown.

104,495
DESIGN FOR A GOLF CLUB HEAD
James P. Gallagher, Arlington, N. J.
Application October 3, 1936, Serial No. 65,155
Term of patent 3½ years



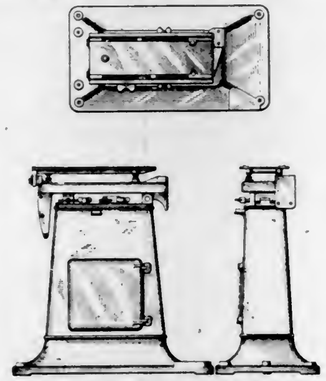
The ornamental design for a golf club head as shown.

104,496
DESIGN FOR AN ELASTIC FABRIC
Otto Eugene Huber, Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application November 21, 1936, Serial No. 66,063
Term of patent 7 years



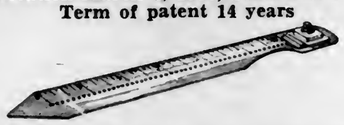
The ornamental design for an elastic fabric as shown and described.

104,497
DESIGN FOR A PEDESTAL FOR MOTION PICTURE MACHINES
Albert Kindelmann, Floral Park, and Claude A. Soehl, Hensonville, N. Y., assignors to International Projector Corporation, New York, N. Y., a corporation of Delaware
Application February 25, 1937, Serial No. 67,862
Term of patent 14 years



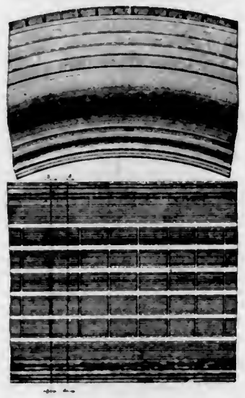
The ornamental design for a pedestal for motion picture machines as shown.

104,498
DESIGN FOR A COMBINED DRAFTSMAN TOOL AND LETTER OPENER
Royal C. MacDonald, Trenton, N. J.
Application March 4, 1936, Serial No. 61,468
Term of patent 14 years

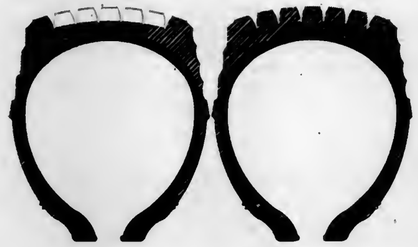


The ornamental design for a combined draftsman tool and letter opener as shown.

104,499
DESIGN FOR A TIRE
Harry S. Mooradian, Dayton, Ohio, assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio, a corporation of Ohio
Application November 19, 1936, Serial No. 66,023
Term of patent 7 years

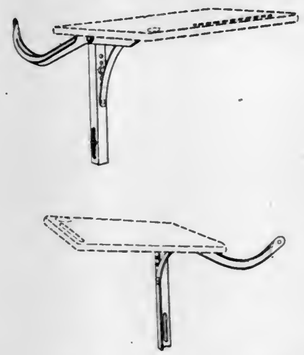


104,499—Continued



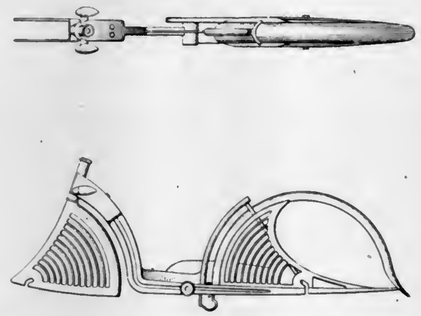
The ornamental design for a tire substantially as shown.

104,500
DESIGN FOR A TABLE FOR A SCHOOL CHAIR OR THE LIKE
Jesse C. Moore, Indianapolis, Ind.
Application July 11, 1936, Serial No. 63,780
Term of patent 14 years



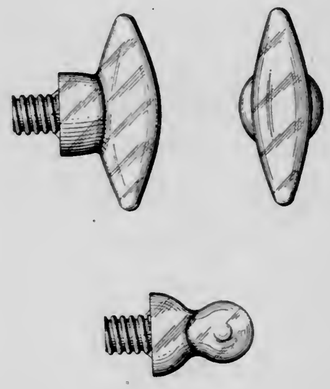
The ornamental design for a table for a school chair or the like, as shown.

104,501
DESIGN FOR A BICYCLE FRAME
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application August 28, 1936, Serial No. 64,614
Term of patent 7 years



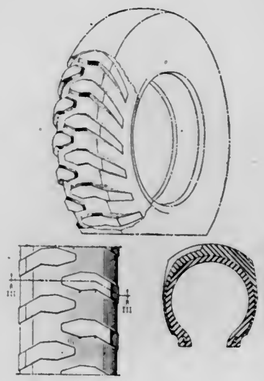
The ornamental design for a bicycle frame, as shown.

104,502
DESIGN FOR A FURNITURE KNOB
George J. Overmyer, Sapulpa, Okla.
Application March 3, 1937, Serial No. 67,973
Term of patent 14 years



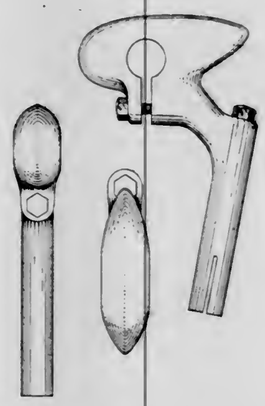
The ornamental design for a furniture knob, as shown.

104,503
DESIGN FOR A TIRE
Joseph E. Partenheimer, Newark, N. J., assignor to Atlas Supply Company, Newark, N. J., a corporation of Delaware
Application December 19, 1936, Serial No. 66,661
Term of patent 7 years



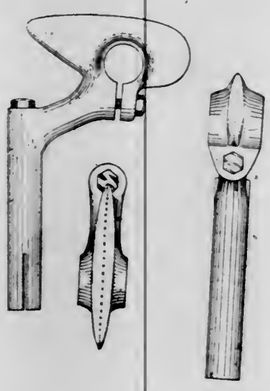
The ornamental design for a tire, as shown.

104,504
DESIGN FOR A BICYCLE HANDLE BAR EXTENSION STEM
Ewald F. Pawsat, Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated, a corporation of Kentucky
Application December 31, 1936, Serial No. 66,829
Term of patent 14 years



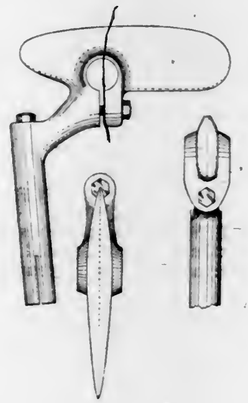
The ornamental design for a bicycle handle bar extension stem, as shown.

104,505
DESIGN FOR A BICYCLE HANDLE BAR EXTENSION STEM
Ewald F. Pawsat, Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated. a corporation of Kentucky
Application January 11, 1937, Serial No. 66,988
Term of patent 14 years



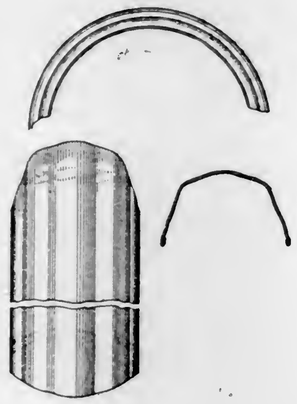
The ornamental design for a bicycle handle bar extension stem, as shown.

104,506
DESIGN FOR A BICYCLE HANDLE BAR EXTENSION STEM
Ewald F. Pawsat, Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated, a corporation of Kentucky
Application January 11, 1937, Serial No. 66,989
Term of patent 14 years



The ornamental design for a bicycle handle bar extension stem, as shown.

104,507
DESIGN FOR A BICYCLE MUDGUARD
Ewald F. Pawsat, Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated, a corporation of Kentucky
Application January 18, 1937, Serial No. 67,121
Term of patent 14 years



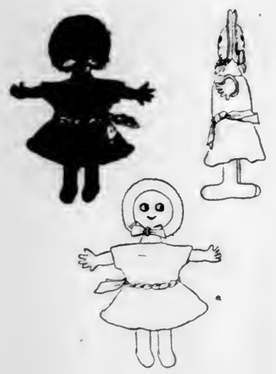
The ornamental design for a bicycle mudguard, as shown.

104,508
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application April 21, 1937, Serial No. 68,901
Term of patent 3½ years



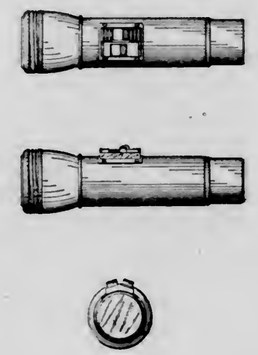
The ornamental design for a textile fabric, substantially as shown.

104,509
DESIGN FOR A DOLL
Mary Wexman, Brooklyn, N. Y.
Application July 11, 1936, Serial No. 63,786
Term of patent 3½ years



The ornamental design for a doll, substantially as shown and described.

104,510
DESIGN FOR A FLASHLIGHT
Orville T. Wood, Clinton, Mass., assignor to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application September 29, 1936, Serial No. 65,063
Term of patent 7 years



The ornamental design for a flashlight, as shown.

104,511
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Alfons Bach, New York, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y.
Application April 16, 1937, Serial No. 68,808
Term of patent 3½ years



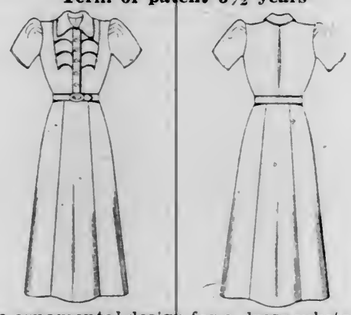
The ornamental design for a textile fabric or similar article as shown and described.

104,512
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Alfons Bach, New York, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y.
Application April 16, 1937, Serial No. 68,809
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

104,513
DESIGN FOR A DRESS
Helen Berry, New York, N. Y.
Application April 8, 1937, Serial No. 68,616
Term of patent 3½ years



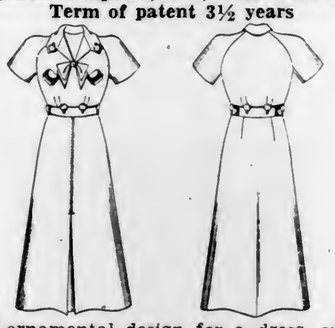
The ornamental design for a dress substantially as shown and described.

104,514
DESIGN FOR A DRESS
Helen Berry, New York, N. Y.
Application April 8, 1937, Serial No. 68,617
Term of patent 3½ years



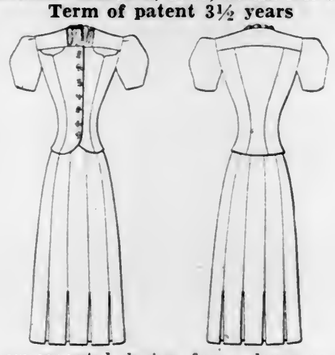
The ornamental design for a dress, substantially as shown.

104,515
DESIGN FOR A DRESS
Elvira Ceisler, New York, N. Y.
Application April 8, 1937, Serial No. 68,623
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

104,516
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application March 8, 1937, Serial No. 68,069
Term of patent 3½ years



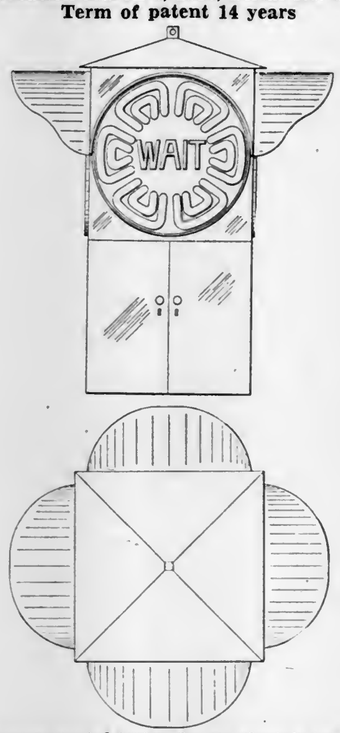
The ornamental design for a dress as shown.

104,517
DESIGN FOR A DRESS ENSEMBLE
Grace Diaz, New York, N. Y.
Application April 13, 1937, Serial No. 68,737
Term of patent 3½ years



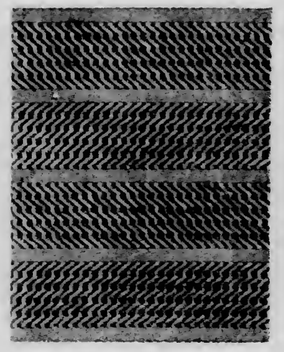
The ornamental design for a dress ensemble, substantially as shown, and described.

104,518
DESIGN FOR AN ELECTRIC TRAFFIC SIGNAL FOR GRADUATING TRANSIT-PERIODS
John J. Roberts, Louisville, Ky.
Application March 3, 1936, Serial No. 61,459
Term of patent 14 years



The ornamental design for an electric traffic signal for graduating transit-periods, as shown and described.

104,519
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
William Laird Turner, Hollis, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y.
Application April 16, 1937, Serial No. 68,810
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

THE

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United States Patent Office

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May 18, 1937

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T. M. Renewals	33		
Labels	10—No.	49,314 to No.	49,323, inclusive.
Prints	7—No.	16,192 to No.	16,198, inclusive.
Reissues	12—No.	20,364 to No.	20,375, inclusive.
Patents	735—No.	2,080,394 to No.	2,081,128, inclusive.
Designs	88—No.	104,520 to No.	104,607, inclusive.
Total	1,160		

Adjudicated Patents

(D. C. W. Va.) Freese patent, No. 1,529,947, for method of making variegated glass, *Held* invalid, and claims 1, 3, 7, 8, 13, and 14 *Held* not infringed. *Akro Agate Co.* v. *Master Marble Co.*, 18 F. Supp. 305.

(D. C. W. Va.) Freese patent, No. 1,529,948, for apparatus for making variegated glass, claims 1, 2, 24, and 25 *Held* invalid and not infringed. *Id.*

(D. C. Calif.) Sundback patent, No. 1,557,381, for fastener, claims 1, 3, 4, 5, 6, 8, and 10 *Held* valid, and claims other than 8 *Held* infringed. *Hookless Fastener Co.* v. *Greenberg*, 18 F. Supp. 296.

(C. C. A. Ill.) Chase patent, No. 1,617,148, for can opener, claims 1, 2, 3, 4, and 6 *Held* valid and infringed. *Research and Development Corporation of Illinois* v. *Chase*, 88 F.(2d) 353.

(C. C. A. Pa.) Farley and Landon patent, No. 1,748,335, for method of treating coal and product thereof, claim 5 *Held* valid and infringed. *Philadelphia & Reading Coal & Iron Co.* v. *Delaware, Lackawanna & Western Coal Co.*, 88 F.(2d) 391.

(D. C. W. Va.) Early patent, No. 1,761,623, for machine for making spherical glass bodies, *Held* invalid, and claims 1, 4, and 5 *Held* not infringed. *Akro Agate Co.* v. *Master Marble Co.*, 18 F. Supp. 305.

(D. C. Calif.) Beauchamp patent, No. 1,808,756, for stringed musical instrument, claims 5 to 9 *Held* valid and infringed, but claim 12 *Held* invalid. *Beauchamp* v. *Schireson*, 18 F. Supp. 367.

(D. C. N. Y.) Parkinson patent, No. 1,834,070, for heating device, claims 4 and 6 *Held* valid and infringed. *Parkinson Heater Corporation* v. *A. Goldenstein, Inc.*, 18 F. Supp. 282.

(D. C. Del.) Cole patent, No. 1,847,817, for lubricating system, *Held* invalid. *Dooley Improvements* v. *Motor Improvements*, 18 F. Supp. 340.

(D. C. W. Va.) Early patent, No. 1,880,916, for machine for manufacturing spherical bodies, *Held* invalid and not infringed. *Akro Agate Co.* v. *Master Marble Co.*, 18 F. Supp. 305.

(C. C. A. Oreg.) Dailey patent, No. 1,945,422, for spring wire collar snubber, claims 1 to 5 *Held* invalid. *Dailey* v. *Lipman, Wolfe & Co.*, 88 F.(2d) 362.

(D. C. Mich.) Gellman patent, No. 1,951,606, for blade guide, claim 3 *Held* not infringed. *Gellman* v. *Oliver Machinery Co.*, 18 F. Supp. 383.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,875,747, J. Martin and L. C. Swallen, Production of methylamine, decided April 23, 1937, claims 1, 2, 7, and 10.

Pat. 1,991,162, W. Kroll, Process for improving copper-titanium alloys, decided April 21, 1937, claims 1, 2, 3, 4, 5, 6, and 7.

Pat. 2,011,540, J. F. Lee, X-ray tube, decided March 17, 1937, claim 8.

Pat. 2,025,802, L. W. Child, Air conditioner, decided April 22, 1937, claim 14.

Communications to the Patent Office

Rule 8. A separate letter should in every case be written in relation to each distinct subject of inquiry or application. Assignments for record, final fees, and orders for copies or abstracts must be sent to the Office in separate letters.

Condition of Applications Under Examination at Close of Business May 1, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 38,172; Trade-Mark Division, 1,901. Oldest new case, Nov. 25, 1936; oldest amended, Nov. 4, 1936.)
(The dates given are 1937 except where † indicates 1936)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 5	Feb. 8	502
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Butchering; Bee Culture.	†Dec. 22	†Dec. 17	752
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 3	Feb. 5	449
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Jan. 21	Jan. 21	600
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons..	Feb. 15	Feb. 10	508
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Jan. 5	Jan. 6	707
5725	7. JARBOE, C. G., Optics; Photography	Feb. 5	Feb. 3	879
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Jan. 27	Feb. 3	579
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Jan. 18	Jan. 15	479
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Feb. 1	Feb. 13	383
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Feb. 2	Feb. 10	442
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	†Dec. 2	Jan. 2	715
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 3	Feb. 3	491
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Jan. 30	Jan. 29	656
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Jan. 26	Jan. 26	938
5612	16. SPENCER, C. J., Telegraphy; Telephony	Jan. 7	Jan. 7	673
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 9	Feb. 5	533
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 2	Jan. 6	499
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Jan. 8	Jan. 7	717
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Jan. 19	Jan. 25	477
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 2	Feb. 3	610
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 6	Feb. 6	549
7624	23. BUTTNER, W. J. (Act.), Registers (part)	†Dec. 24	†Nov. 4	223
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters, Sewing Machines	Feb. 18	Feb. 15	556
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 3	Feb. 2	486
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Feb. 10	Jan. 15	461
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	†Dec. 1	†Dec. 2	746
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Feb. 5	Feb. 3	318
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Feb. 15	Feb. 17	465
4063	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Dec. 21	†Dec. 21	832
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Feb. 4	Feb. 18	453
4086	32. LESH, KARL (Act.), Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Feb. 1	Feb. 2	511
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Feb. 12	Feb. 4	644
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Mar. 3	Mar. 1	287
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Jan. 6	Jan. 12	624
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Feb. 13	Feb. 13	284
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	†Dec. 14	†Dec. 17	792
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Feb. 9	Feb. 8	492
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	Jan. 14	Jan. 26	484
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	†Dec. 28	†Dec. 31	1,253
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	Jan. 2	Jan. 4	408
5882	42. CUTTING, H. O., Electric Signaling	Feb. 5	Feb. 1	478
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Feb. 1	Feb. 1	573
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Jan. 12	Jan. 2	644
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Jan. 11	Jan. 2	698
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Feb. 10	Feb. 10	391
6082	47. BARKER, H., Clutches; Brakes	Feb. 20	Feb. 22	423
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Feb. 1	Feb. 1	563
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 4	Feb. 6	471
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Feb. 1	Feb. 1	631
5628	51. BACKUS, C. D., Radiant Energy	Jan. 28	Jan. 28	779
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Feb. 8	Feb. 6	635
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	†Dec. 21	†Dec. 21	1,044
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Mar. 9	Mar. 9	362
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Nov. 25	†Dec. 3	916
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making	Jan. 5	Jan. 7	782
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	†Dec. 24	†Nov. 26	671
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 23	Feb. 16	318
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Feb. 8	Feb. 12	486
5896	60. GLASS, R. L., Electric Heating, and Welding; Batteries; Resistances; Dynamo Plants	†Dec. 17	†Dec. 17	567
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Jan. 27	Jan. 26	333
3876	62. PUGH, E. C., Games; Geometrical Instruments	Feb. 9	Feb. 1	467
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting and Fermentation	Jan. 30	Jan. 27	502
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Feb. 1	Feb. 1	844
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Dec. 5	†Dec. 5	635
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks	Apr. 1	Apr. 17	1,574
	(Labels and Prints	Apr. 1	Apr. 16	327
2005	Designs, H. H. KALUPY	Apr. 5	Apr. 19	502

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Borglin

No. 3,695. Decided December 7, 1936

[86 F.(2d) 416]

1. Appeals—Alleged Inconsistency of Patent Office Actions Not Considered.

Where it was argued that the action of the Examiner in rejecting the claims on appeal was inconsistent with the previous action of the Office in allowing certain claims in a patent to another *Held* that this is a matter with which the Court has nothing to do on the appeal. "Here we are concerned only with the ground of rejection given by the Board, namely, that this claimed invention is anticipated by the references."

2. Patentability—Method of Refining Esters.

Certain claims of an application for a method of refining esters *Held* unpatentable over the prior art.

Appeal from the Patent Office. Affirmed.

Mr. George J. Harding for Borglin.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

Graham, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 25 and 26 of the appellant's application for patent on an alleged new and useful method of refining rosin esters. The appellant's method is fairly well described in the rejected claims, which are as follows:

25. The method of refining an abietic acid ester containing latent color bodies, which includes subjecting the abietic acid ester in solution in an organic solvent to treatment with an organic solvent having a preferential affinity for the latent color bodies contained in the abietic acid ester and which is capable of substantial immiscibility with the solvent for the abietic acid ester and recovering refined abietic acid ester from the solvent for the abietic acid ester.

26. The method of refining a rosin ester containing latent color bodies, which includes subjecting the rosin ester to treatment with two organic liquids, one primarily a solvent of the rosin ester and one primarily a solvent of latent color bodies contained in the rosin ester, the two liquids being substantially immiscible at normal temperatures, separating the two solutions formed and recovering refined rosin ester from the liquid primarily a solvent of the rosin.

Other claims in the case were allowed, such claims dealing with specific substances which are capable of affecting the separation of color bodies which is desired.

The Examiner rejected the said claims on the following references: Humphrey, 1,715,083, May 28, 1929; Humphrey, 1,800,834, April 14, 1931; Kaiser et al., 1,715,088, May 28, 1929.

In addition, the Examiner rejected said claims on the ground that they were indefinite, in that they did not point out the applicant's invention,

"for the operative solvents are not identified in such manner as would permit one to determine the scope of such claims without experimenting to a degree which would in itself amount to invention."

The Board of Appeals did not agree with the Examiner on this ground of rejection, but did agree with him on the ground that the two patents to Humphrey and the patent to Kaiser et al., anticipated the appellant's application.

The invention of the appellant is a method for purifying and refining rosin esters, and is concerned with the removal of color bodies therefrom, so that, as the materials in which said rosin esters are used become aged, they will not become darkened and discolored. In order to accomplish the desired purpose, rosin esters are dissolved with an organic solvent. To this solution is added "an organic solvent having a preferential affinity for the latent color bodies contained in the abietic acid ester." The effect desired is for the esters to remain in solution with their solvent, while the latent color bodies are dissolved by the other organic solvent. These solvents are chosen with the idea of having them immiscible so far as is possible. After the solvent for the color bodies has done its work, it is then possible, by a separation, to recover the esters comparatively free from the color bodies.

We have examined the reference patents, and are of opinion that the Board of Appeals did not err in its rejection of these claims.

An excerpt from the Kaiser patent, issued May 28, 1929, is as follows:

> Now, in accordance with our invention, we have discovered that wood and gum rosin generally, as well as rosin containing latent color bodies, may be refined and brought up to high grade by treatment of the rosin with two liquids which are substantially immiscible at some definite temperature and one of which will be a solvent of the rosin (abietic acid), but not of the color bodies, while the other will be a solvent of the color bodies and more especially of the latent color bodies.
>
> The two liquids involved in the treatment in accordance with our invention are preferably organic liquids and the liquid, solvent of the color bodies, may also be a solvent for the rosin and is preferably non-alkaline.

The method in the first Humphrey patent is, to all intents and purposes, the same as that of the applicant here. This is demonstrated by claim 8 of the patent, which is as follows:

> 8. The method of refining rosin, which includes dissolving rosin in gasoline, adding aniline to the gasoline-rosin solution for the extraction of color bodies from the rosin, heating the gasoline-rosin solution to a temperature at which aniline will go into solution in the gasoline-rosin solution, cooling the solution formed to a temperature at which aniline and extracted color bodies will separate from the gasoline-rosin solution, separating aniline and color bodies from the gasoline-rosin solution and recovering refined rosin from the gasoline-rosin solution.

The second Humphrey patent, No. 1,800,834, is substantially the same as the first, except that the first patent discloses the use of aniline as a color body solvent, while, in the second, phenol is used.

[1] [2] It is argued that the action of the Examiner in the instant case is inconsistent with the action of the Office in the allowance of the claims, particularly 12 and 13, in the Kaiser et al. patent, and that the appellant's claims 25 and 26 are allowable to the same extent as were those in the Kaiser et al. patent. With this, we have nothing to do. As was well stated by the Board of Appeals in this case, if claims in the Kaiser et al. patent have been erroneously allowed, that is a matter for future consideration, when such patent shall be subjected to judicial test. Here we are concerned only with the ground of rejection given by the Board, namely, that this claimed invention is anticipated by the references. With that ground we agree, and the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE ELLIS

No. 3,757. Decided December 7, 1936

[86 F.(2d) 412]

1. RES ADJUDICATA—DISMISSAL OF SUIT UNDER 4915 R. S.—EFFECT OF.

Where a suit in equity to authorize issuance of a patent on one application is dismissed for want of prosecution, the decision of the Board of Appeals then becomes final so far as the applicant is concerned as to all subject matter actually contained in any of the claims.

2. PATENTABILITY—RES ADJUDICATA—RESINOUS COMPLEX OF THE UREA TYPE.

Certain claims of an application for a resinous complex of the urea type *Held* to present nothing patentable over the subject matter of a once copending application of the same applicant abandoned by dismissal of a suit under section 4915 R. S. by failure to prosecute same, and such claims therefore *Held* properly rejected on the ground of res adjudicata.

APPEAL from the Patent Office. Affirmed.

Mr. Sol Shappirio for Ellis.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

Appellant here brings before us for review a decision of the Board of Appeals of the United States Patent Office, affirming the decision of the Examiner rejecting five claims, numbered, respectively, 16, 46, 47, 49 and 50, in appellant's application for patent "For a Resinous Complex of the Urea Type." The application was filed February 5, 1930, being Serial No. 426,192. A number of claims stand allowed.

The appealed claims are hereinafter set forth in full.

The references relied upon are a patent to appellant No. 1,536,882, issued May 5, 1925, and an abandoned application of appellant, entitled "Laminated Pressboard and Multi-Colored Articles and Process of Making Same," filed October 9, 1924, being Serial No. 742,719. This application was prosecuted before all the proper tribunals of the Patent Office, being by them rejected. After the adverse decision of the Board of Appeals, appellant gave notice of, and filed, suit in equity in the Supreme Court of the District of Columbia under R. S. §4915 (35 U. S. C. A. 63), but failed to prosecute same. It appears from the record before us that the suit was dismissed "for want of prosecution" May 14, 1934. So, it had become an abandoned application at the time of the Examiner's final decision in this case on October 29, 1934, and is so referred to in the brief and oral argument before us on behalf of appellant.

Claims 16, 49 and 50, as will be seen, relate to articles of manufacture carrying tenacious veneer of urea resins. Claim 46 is limited to the method of treating such veneered articles to render them highly water resistant. Claim 47 is the same as 46 except that it is not limited to "veneered" articles.

As the case comes to us, all the appealed claims stand rejected as presenting nothing patentably different from subject matter rejected as unpatentable in the abandoned application. Specifically, appealed claim 16, according to the Examiner's statement after the appeal to the Board, was compared with and rejected by him upon claim 17 of the abandoned application; appealed claims 46 and 47 were compared with and rejected by him upon claims 18 and 19 of the abandoned application, and appealed claims 49 and 50 were compared with and rejected by him upon claims 20 and 21 of the abandoned application.

Appealed claims 16, 49 and 50 come before us also rejected upon appellant's prior Patent 1,536,882. That was the only ground specifically mentioned by the Board as to appealed claim 16, although it did not overrule the other ground applied by the Examiner. Hence, the other ground remains in the case. *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 780, 433 O. G. 223. As to claims 49 and 50 the Board applied the patent as a ground of rejection which ground was in addition to that specifically applied by the Examiner.

As to the ground upon which all the claims stand rejected under the Board's decision (that of lack of patentability over subject matter held unpatentable in the abandoned application), we, for convenience in comparison, here insert the appealed claims and the specified claims of the abandoned application in parallel columns:

Appealed claims	*Claims of abandoned application*
16. An article of manufacture carrying a tenacious translucent surface veneer of urea resin and cellulose fiber inter-reacted to substantial disappearance of fiber.	17. A process which comprises impregnating paper with urea formaldehyde material, drying in an oven at 60 to 70° C. for fifteen minutes, and hot pressing the dried material.
46. The process of producing veneered articles of manufacture which comprises applying thereto a molding urea resin composition, heat treating the composition at a temperature of from 100–150° C. to cause setting, and baking the heat set composition until its water resistance is substantially increased.	18. A molded article of paper and urea formaldehyde material baked at a mild heat to improve its resistance to water.
47. The process of producing water resistant molded urea resin articles which comprises heating a urea resin composition to cause setting, and baking the heat set composition at a temperature lower than that used in the setting operation until the water resistance of the material is substantially increased.	19. A pressed sheet of paper and urea formaldehyde material baked at 60 to 70° C. for at least half an hour to improve its waterproof quality.
49. An article of manufacture carrying a tenacious veneer of a urea-formaldehyde type condensation product.	20. A baked, molded article from paper and urea resin.
50. An article of manufacture carrying a substantially water resistant, tenacious, translucent surface veneer of a urea-formaldehyde type resin.	21. A baked molded article from paper and urea formaldehyde resin.

In the argument and brief before us, on behalf of appellant, emphasis is placed upon the circumstance that during a considerable period, while the application was pending in the Patent Office, the claims on appeal seem to have been regarded by the Examiner as allowable. Also, it is said that the Board of Appeals which passed upon appellant's abandoned application was a different Board, meaning thereby, we presume, that it was composed of a different personnel from that which passed upon the instant application, and that in the decision in the abandoned case the Board there sitting said of product claims 18 and 19 thereof "whatever alleged patentable merits may be found in these claims should be covered by process rather than article claims." It is then recited that the claims 46 and 47 were inserted in the present application while it was copending with the abandoned application.

We do not regard the circumstances so related as being of any particular moment, or as creating doubt—the object for which appellant seems to stress them. There is nothing unusual, certainly, about an Examiner changing his viewpoint as to the patentability of claims as the prosecution of a case progresses, and, so long as the rules of Patent Office practice are duly complied with, an applicant has no legal ground for complaint because of such change in view. Neither does the fact that different persons composed the Boards affect the legal situation, both Boards having been composed of eligible persons.

It is insisted by appellant, however, as point VI in his brief, that:

> The Board of Appeals' decision in appellant's abandoned case 742,719 is not res adjudicata because it was not a final decision.

This is especially urged with respect to the effect which the Board's decision upon claims 18 and 19 of the abandoned application should have upon claims 46 and 47 of the present application. The argument, in substance, seems to be that claims 46 and 47 having been inserted as process claims in the present application while it and the abandoned application were copending, the abandonment of the appeal did not render the Board's decision final as to claims 18 and 19. That is to say, it seems to be appellant's theory that the subject matter of claims 18 and 19 was not finally adjudicated by the Board's decision, under the facts related.

[1] To this contention we are unable to agree. When appellant dismissed his suit in equity as to application 742,719, the decision of the Board became the final decision, so far as appellant was concerned, as to all subject matter actually contained in any of its claims, and appellant is bound thereby. *In re Becker*, 22 C. C. P. A. (Patents) 843, 74 F.(2d) 306, 454 O. G. 789.

Of course, if claims 46 and 47, or any other of the appealed claims, contain subject matter different from the subject matter of the abandoned application appellant is entitled to have same considered upon its merits, but in order to secure patent therefor it must appear that the difference involves invention. *In re Cole*, 23 C. C. P. A. (Patents) 1057, 82 F.(2d) 405, 470 O. G. 725. The right to have new subject matter considered on its merits is conceded in the brief of the Solicitor for the Patent Office, and it is insisted by appellant, in several points of his brief, in effect, that the claims on appeal do present patentable subject matter not contained in the abandoned application.

Counsel for appellant emphasizes the fact that each of the appealed claims, except No. 47, which "is generic to the treatment of any molded article," is limited to a tenacious veneer, and that the abandoned application did not disclose or claim the production of veneered articles. It is said in his brief:

> While the Patent Office has taken the view that a sheet of paper thoroughly impregnated with urea resin and then hot pressed is the equivalent of a urea resin veneer on an article of manufacture, such view is obviously untenable. Thus comparing veneers on the one hand with laminated paper products on the other, different functions and results are required in the case of veneers as compared with laminated paper. In veneers, the primary requirement of the resin composition is that it possess adhesive quality, so as to enable it, after hot pressing, to remain fixed to the support to which the veneer is attached. In other words, the resin must be capable of producing a bond between itself and the support sufficiently strong to resist stresses which would normally tend to disrupt the joint.

However, appellant's specification in the instant case declares:

> In the same category as lamination are included veneered products made by hot-pressing a facing on a heavier or stiffer backing or support.

The Examiner's statement says:

> It seems obvious to use any composition or sheet of this sort as a veneer as it is common practice to coat articles with compositions of this kind. * * * Furthermore, the urea product impregnated paper of applicant's copending case Serial No. 742,719, would naturally have a urea resin veneer or coating.
>
> * * * * * * *
>
> It can hardly be conceded that claim 16 is patentable when all it involves is * * * or the subject matter of claim 17 of applicant's copending case Serial No. 742,719 which was finally disposed of on appeal.

Other differences are urged by appellant as lending patentability. It is conceded that heat treatment at a temperature below the heat setting operation, shown in claims 46 and 47, for increasing water resistance, was disclosed in the abandoned application, but it is said that the abandoned application contained no process claims to that treatment, and it is argued that the process claims now presented are in a "different statutory class of invention" from article claims such as 18 of the abandoned application which requires that the article be "baked at a mild heat to improve its resistance to water." Also, it is pointed out that claim 46 specifies heat treatment at 100 to 150° C. to cause setting, and that claim 47 specifies that the baking of the set composition is at a temperature lower than that used in the setting operation, features which, it is insisted, were lacking in claims 18 and 19 of the abandoned application.

We observe, however, that claim 18 of the abandoned application does require that the article, evidently the set article, be baked at a mild heat, and claim 19 thereof specifies the heat at "60 to 70° C.," while the specification of the abandoned application teaches first molding or setting the ar-

ticle at a temperature of 120 to 130° C., and then baking at a milder temperature, 60 to 70° C. being specifically mentioned.

As to appealed claims 49 and 50, a comparison of them with claims 20 and 21 of the abandoned application discloses no material difference between the products respectively claimed. It is true that the appealed claims relate to a veneer while the abandoned claims relate to a molded article, but this difference we do not regard as involving invention.

[2] Considering the foregoing facts, we are not persuaded that it was error to reject all the appealed claims upon the ground that nothing patentable over the subject matter of the abandoned application is presented, and it is unnecessary for us to consider the rejection of claims 16, 49 and 50 upon appellant's prior patent.

The decision of the Board of Appeals is affirmed. Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,403,475 (*a*), H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., S. D. Calif., C. Div., Doc. E 894–S, *R. C. A. et al.* v. *E. Spigel et al.* Decree pro confesso Feb. 25, 1937. Doc. E 1082–J, *R. C. A. et al.* v. *F. Sage.* Decree pro confesso holding patents valid and infringed, injunction Feb. 25, 1937. Same, D. C., N. D. Calif. (San Francisco), Doc. E 4105–S, *R. C. A. et al.* v. *O. S. Grove.* Decree pro confesso holding patents valid and infringed as to certain claims, injunction Mar. 4, 1937.

1,403,475 (*b*), H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,017, L. de Forest, Wireless telegraph and telephone system; 1,507,016, same, Radio signaling system; 1,811,095, H. J. Round, Thermionic amplifier and detector, D. C., S. D. Calif., C. Div., Doc. E 1080–S, *R. C. A. et al.* v. *O. J. Bates.* Decree pro confesso Feb 25, 1937. Same, filed Feb. 26, 1937, D. C., S. D. Calif. (Los Angeles), Doc. E 1126–C, *R. C. A. et al.* v. *G. Deutch et al.* (*Radio Accessories Co.*).

1,403,475 (*c*), H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector, D. C., S. D. Calif., C. Div., Doc. E 1078–M, *R. C. A. et al.* v. *J. Forbes.* Decree pro confesso for plaintiff for injunction Feb. 26, 1937.

1,403,475 (*d*), H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,936,162, R. A. Heising, Transmission system; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., S. D. N. Y., Doc. E 84/303, *R. C. A. et al.* v. *Amplex Radio Corp. et al.* Consent decree for plaintiff (notice Mar. 17, 1937).

1,403,475 (*e*), H. D. Arnold, Vacuum tube circuit; 1,465,332, same, Vacuum tube amplifier; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,573,374; P. A. Chamberlain, Radio condenser; 1,618,017, F. Lowenstein, Wireless telegraph apparatus, filed Mar. 16, 1937, D. C. Minn. (St. Paul), Doc. E 2934, *R. C. A. et al.* v. *Setchell Carlson et al.* Doc. E 2962, *R. C. A. et al* v. *Karadio Corp.*

1,403,932. (See 1,403,475 (*a*), (*b*), (*c*) and (*d*).)

1,463,861, F. D. Winkley, Lubricating apparatus; 1,496,209, E. W. Davis, Lubricating system, D. C. Minn., 4th Div., Doc. E 2832, *Stewart-Warner Corp.* v. *Specialty Sales & Service Corp.* Consent decree for plaintiff, injunction Feb. 26, 1937.

1,465,332. (See 1,403,475 (*e*).)

1,496,209. (See 1,463,861.)

1,507,016. (See 1,403,475 (*a*), (*b*), (*c*) and (*e*).)

1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system, appeal filed Mar. 25, 1937, C. C. A., 2d Cir., Doc. 15,333, *R. C. A. et al.* v. *F. A. Andrea et al.*

1,507,017. (See 1,403,475 (*a*), (*b*), (*c*), (*e*) and 1,506,016.)

1,542,803, Gordon & Redlin, Lathe, C. C. A., 6th Cir., Docs. 7363–7364, *Ford Motor Co.* v. *Gordon Form Lathe Co.* Claims 1, 2, 28 to 30, 33, 34, and 39 to 42 held valid and infringed and claims 29 and 30 held not infringed Jan. 12, 1937. (To correct error in 477 O. G., 768.)

1,573,374. (See 1,403,475 (*e*).)

1,573,374 (*a*), P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 1,728,879, same, Amplifying system, D. C., S. D. Calif. (Los Angeles), Doc. E 895–J, *R. C. A. et al.* v. *E. Spigel.* Decree pro confesso holding patents valid and infringed, injunction Feb. 25, 1937. Doc. E 1079–H, *R. C. A. et al.* v. *J. Forbes.* Decree pro confesso against defendant, injunction Feb. 26, 1937. Doc. E 1081–Y, *R. C. A. et al.* v. *O. J. Bates.* Decree pro confesso, injunction Feb. 25, 1937. Filed Feb. 26, 1937. Doc. E 1127–M, *R. C. A. et al.* v. *G. Deutch et al.* (*Radio Accessories Co.*) Doc. E 1083–C, *R. C. A. et al* v. *F. Sage.* Decree pro confesso, injunction Feb. 25, 1937. Same, D. C., N. D. Calif. (San Francisco), Doc. E 4104–L, *R. C. A. et al.* v. *O. S. Grove.* Decree pro confesso holding patents valid and infringed as to certain claims, injunction Mar. 4, 1937.

1,573,374 (*b*), P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 2,052,316, R. E. Sagle, Variable condenser, D. C., S. D. N. Y., Doc. E 84/302, *R. C. A. et al.* v. *Amplex Radio Corp. et al.* Consent decree for plaintiff (notice Mar. 17, 1937).

1,618,017. (See 1,403,475 (*a*), (*c*), (*d*), and (*e*).)

1,640,750, 1,658,665, F. Buchholz, Rail fastening, D. C., S. D. N. Y., Doc. E 79/139, *American Geo Co.* v. *The Q & C Co.* Consent decree for plaintiff (notice Mar. 17, 1937).

1,658,665. (See 1,640,750.)

1,662,035, 1,710,804, F. L. Smith et al., Tire retreading mold; 1,750,867, same, Adjustable mold for retreading tires; 1,764,378, H. J. Woock, Tire retreading mold; 1,907,026, same, Method of adjusting a tire retreading mold to different sizes of tires; 1,913,739, same, Adjustable rim; 1,841,408, E. A. Glynn, Matrix securing means; 1,914,474, H. J. Woock et al, Tread pressing means for tire retreading molds; 1,928,404, same, Method and apparatus for retreading tires; 2,030,861, M. M. Fisher, Tire retreading mold, filed Mar. 15, 1937, D. C., N. D. Calif. (Sacramento), Doc. 1293-R, *Barnes & Fisher Mfg. Co.* v. *Super Mold Corp. of California.*

1,702,833. (See 1,403,475 (*a*) and (*c*).)

1,707,617. (See 1,573,374 (*a*) and (*b*).)

1,710,804. (See 1,662,035.) 1,728,879. (See 1,573,374 (*a*).)

1,750,867. (See 1,662,035.) 1,764,378. (See 1,662,035.)

1,789,949. (See 1,815,768.)

1,795,214. (See 1,573,374 (*a*) and (*b*).)

1,811,095. (See 1,403,475 (*a*), (*b*) and (*c*).)

1,815,768, A. Georgiev, Electrolyte; 1,789,949, same, Electrolytic cell, appeal filed Mar. 19, 1937, C. C. A., 2d Cir., Doc. —, *Aerovox Corp.* v. *Micamold Radio Corp.*

1,841,408. (See 1,662,035.)

1,894,197. (See 1,573,374 (*a*) and (*b*).)

1,907,026. (See 1,662,035.) 1,913,739. (See 1,662,035.)

1,914,474. (See 1,662,035.) 1,928,404. (See 1,662,035.)

1,936,162. (See 1,403,475 (*d*).)

1,959,032, W. R. McGowen, Swing; Des. 91,997, P. Goodman, Glider, D. C., S. D. Ohio, W. Div., Doc. E 919, *The McKay Co.* v. *The Shott Mfg. Co.* Patent 1,959,032 held valid and infringed, Des. 91,997 held invalid Mar. 25, 1937.

2,030,861. (See 1,662,035.) 2,052,316. (See 1,573,374 (*b*).)

2,068,997, A. N. Spanel, Rubber article such as baby pants; 2,068,998, same, Rubber garment, filed Mar. 18, 1937, D. C., W. D. N. Y., Doc. E 2142, *I. B. Kleinert Rubber Co.* v. *A. N. Spanel et al.*

2,068,998. (See 2,068,997.)

Re. 18,579. (See 1,403,475 (*a*) and (*d*).)

Des. 91,997. (See 1,959,032.)

Des. 101,159, Des. 101,323, L. Biva, Rug. D. C., S. D. N. Y., Doc. E 84/4, *O. Timme* (*E. F. Timme & Son*) v. *S. S. Herzfeld et al.* (*Stephen Rub Mills*). Consent decree for plaintiff (notice Mar. 17, 1937).

Des. 101,323. (See Des. 101,159.)

Changes in Classification

Order No. 3,392, April 27, 1937, directs:

In *class 7, Compound Tools* (Division 29), change the title of subclass 6 to read as follows:

Type
Pliers
With cutter
Shear
6 Scissors.

In *class 7, Compound Tools* (Division 29), establish the following subclasses:

Type
Pliers
Modified handles
5.1 With cutter
5.2 Nipper,
5.3 Shear,
5.4 With cutter
5.5 Nipper,
5.6 Shear
Scissors
6.1 With comb,
Monkey wrench
7.1 With cutter,
Hammer
8.1 With cutter.
14.1 **Cutters combined with other tools**
14.2 Can opener cutter,
14.3 With hook,
14.4 With pitch fork,
14.5 With thimble.

The patents contained in the above subclasses have been taken for the most part from class 7, and from class 30, Cutlery.

In *class 12, Boot and Shoe Making* (Division 11), abolish the following subclasses with their definitions:

106 Channeling tools.
Sole and heel edge trimmers
114 Hand tools
115 Double grip.

The patents formerly contained in these subclasses have been placed for the most part in class 30, Cutlery, appropriate subclasses, especially subclasses 281, 287 and 288.

In *class 17, Butchering* (Division 2), abolish the following subclass with its definition:

Skinners
22 Power-operated knives.

The patents formerly contained in this subclass have been placed for the most part in class 30, Cutlery, appropriate subclasses, especially subclass 276, and in class 17, subclass 21.

In *class 31, Dairy* (Division 2), abolish the following subclasses with their definitions:

Butter and cheese cutters
Wire cutter
27 Hand tool,
31 Hand cutter.

The patents formerly contained in the above subclasses have been placed for the most part in class 30, Cutlery, especially subclasses 115–117, established in this order.

In *class 47, Plant Husbandry* (Division 1), abolish the following subclass with its definition:

Turpentine and rubber
Tools
13 Hacks.

The patents formerly contained in this subclass have been placed for the most part in class 30, Cutlery, subclass 121, established in this order.

In *class 56, Harvesters* (Division 5), abolish the following subclasses with their definitions:

325 **Scythes**
326 Blades
326.3 Connections
326.4 Adjustable angle
326.5 Side tang,
326.6 Nibs.

The patents formerly contained in these subclasses have been placed in the following classes and subclasses, established in this order: Subclass 325 has been placed in class 30, Cutlery, subclass 309; subclass 326 in class 30, subclasses 346–357, especially subclass 348; subclasses 326.3, 326.4 and 326.5 in class 306, Tool-Handle Fastenings, subclasses 1.1–1.3, and subclass 326.6 in class 287, Rod Joints or Couplings, subclass 57.

In *class 72, Masonry and Concrete Structures* (Division 33), abolish the following subclass with its definition:

Implements
137 Scrapers.

The patents formerly contained in this subclass have been placed for the most part in class 30, Cutlery, subclasses 169–172, established in this order.

In *class 81, Tools* (Division 29), abolish the following subclasses with their definitions:

187 **Pipe and rod cutters**
188 Nontraveling, internal,
189 Traveling external
190 Gear operated,
191 Thread feed
192 Rotary handle,
193 Traveling internal
194 Rotary
195 Wedge feed,
196 Pivoted
197 Cam,
198 Handle jaws,
199 Toggle,
200 Intergeared handles,
201 Sliding
202 Cam,
203 Head and socket,
204 Lever and link,
205 Rack and segment,
206 Jaw attachments.

The patents formerly contained in these subclasses have been placed for the most part in class 30, Cutlery, subclasses 92–108, and class 164, Cutting and Punching Sheets and Bars, subclasses 0.2–0.8, established in this order.

In *class 107, Bread, Pastry, and Confection Making* (Division 20), abolish the following subclass with its definition:

Implements
51 Cutters.

The patents formerly contained in the above subclass have been placed for the most part in class 30, Cutlery, appropriate subclasses, especially 130, 301, 302, 303, 305, and 316, established in this order.

In *class 120, Stationery* (Division 53), abolish the following subclass with its definition:

Erasers
39 Knife.

The patents formerly contained in this subclass have been placed for the most part in class 30, Cutlery, appropriate subclasses, especially subclass 353.

In *class 128, Surgery* (Division 55), abolish the following subclass with its definition:

Instruments
Cutters
308. Dehorners.

The patents formerly contained in this subclass have been placed for the most part in class 30, Cutlery, appropriate subclass.

In *class 132, Toilet* (Division 53), establish the following subclasses:

Manicuring devices
73.1 Cutters combined,
73.2 File.

The patents contained in these subclasses have been taken from various subclasses in class 30, Cutlery, abolished in this order.

In *class 145, Woodworking Tools* (Division 29), abolish the following subclasses with their definitions:

55 **Spoke shaves**
56 Adjustable mouthpiece,
57 Beading bits,
58 Gauge.
Drawing shaves
49 Single handle.
48 **Scraping planes.**
47 **Scrapers.**
28 **Drawing knives.**

The patents formerly contained in these subclasses have been placed for the most part in class 30, Cutlery, appropriate subclasses, especially subclass 69, and indented subclasses, 281 and 313.

In *class 146, Vegetable and Meat Cutters and Comminuters* (Division 25), abolish the following subclasses with their definitions:

Corer and segmenter
41 Hand tool.
Corer
53 Hand tool.
Rotary knife
97 Screw penetrator, hand.
Hand tools
205 Gougers,
206 Cutters
207 Power operated,
208 Circular or spiral,
209 Radiating blade,
210 Parallel blade,
211 Rotary disc,
212 Cleavers.

The patents formerly contained in these subclasses have been placed for the most part in class 30, Cutlery, appropriate subclasses.

In *class 164, Cutting and Punching Sheets and Bars* (Division 57), abolish the following subclasses with their definitions:

Buttonholes
3 Knives,
4 Pliers
5 Modified scissors,
6 Scissors attachments.
Cutting
80 Implements
81 Pliers,
82 Sweep,
83 Traveling
84 Roller cutter.

The patents formerly contained in these subclasses have been placed for the most part in class 30, Cutlery, appropriate subclasses.

In *class 164, Cutting and Punching Sheets and Bars* (Division 57), establish the following subclasses:

0.2 **Well tubing cutters**
0.3 Perforator or splitter
0.4 Wedge or cam slot actuated,
0.5 Explosive,
0.6 Rotary external,
0.7 Rotary internal
0.8 Fluid operated.

The patents contained in these subclasses have been taken for the most part from class 81, Tools, subclasses 187–195, abolished in this order.

In *class 287, Rod Joints or Couplings* (Division 52), establish the following subclass:

Rigid angle joints
57 Scythe nib type.

The patents contained in the above subclass have been taken for the most part from class 56, Harvesters, subclass 326.6, abolished in this order.

In *class 306, Tool-Handle Fastenings* (Division 52), establish the following subclasses:

1.1 Scythe type
1.2 Adjustable angle
1.3 Offset tang.

The patents contained in the above subclasses have been taken from class 56, Harvesters, subclasses 326.3 to 326.6, abolished in this order.

In *class 30, Cutlery* (Division 55), abolish the existing subclass titles and establish in lieu thereof the subclasses contained in the new loose leaves now being printed for insertion in the Manual of Classification, and definitions which will appear in Bulletin No. 72.

(Note. Lists of newly established subclass titles, and the definitions of Class 30, together with definitions of subclasses established in this order in other classes, and all other changes in definitions and search notes directed in said order, which will also appear in Bulletin No. 72, may be seen in the Search-Room and in the Classification Division, Room 3623, pending publication.)

Disclaimers

1,952,122.—*Richard M. Deanesly*, Berkeley, Calif. PROCESS FOR THE INHIBITION OF HALOGEN SUBSTITUTION REACTIONS. Patent dated March 27, 1934. Disclaimer filed April 16, 1937, by the assignee, *Shell Development Company*.

Hereby enters this disclaimer to so much of claim 1 of said Letters Patent as is in excess of the following:

The process of conducting addition reactions while substantially inhibiting substitution reactions, comprising, reacting an unsaturated hydrocarbon *containing at least three carbon atoms* with substantially pure halogen in the deliberate presence of free oxygen in such an amount as to practically inhibit any halo-substitution reaction without substantially increasing the temperature of operation above that normally employed in the halo-addition reaction;

and also hereby enters this disclaimer to so much of claim 2 of said Letters Patent as is in excess of the following:

The process of conducting addition reactions while substantially inhibiting substitution reactions, comprising, reacting an unsaturated hydrocarbon *containing at least three carbon atoms* with substantially pure chlorine in the deliberate presence of a free oxygen-containing gas which contains more than 21% by volume of oxygen in such an amount as to practically inhibit any chlor-substitution reaction without substantially increasing the temperature of operation above that normally employed in the chlor-addition reaction.

2,040,637.—*John Wicks*, Oak Park, Ill. TELEPHONE SYSTEM. Patent dated May 12, 1936. Disclaimer filed April 17, 1937, by the patentee; the assignee, *Associated Electric Laboratories, Inc.*, consenting.

Hereby enters this disclaimer to claims 6, 7, 8, 9, 10, 11, and 22 in said specification.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 18, 1937

[VOL. 478. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 389,293. JOHN D. ROGERS, Navasota, Tex. Filed Feb. 23, 1937.

111

For Cotton Seed.
Claims use since Oct. 1, 1930.

Ser. No. 389,700. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed Mar. 5, 1937.

TEC

For Molding Composition Comprising Cellulose Acetate and Suitable Plasticizers and, in Some Cases, Pigments, and Being in the Form of Slabs, Sheets, Granules, or Powder.
Claims use since Jan. 1, 1933.

Ser. No. 390,756. TALCO ASPHALT & REFINING COMPANY, Mt. Pleasant, Tex. Filed Mar. 31, 1937.

TARCO

For Asphalt.
Claims use since Feb. 10, 1937.

CLASS 2

Receptacles

Ser. No. 383,247. ACME BREWING CO., Los Angeles, Calif. Filed Sept. 15, 1936.

HANDY PAK

The word "Pak" is disclaimed except as shown.
For Cardboard Cartons.
Claims use since Aug. 12, 1936.

Ser. No. 385,840. THE FRANKLIN CREAMERY CO., Toledo, Ohio. Filed Nov. 21, 1936.

YUM

For Containers—Namely, Boxes or Cartons, and More or Less Stiff Walled Paper Cans (Sold Empty).
Claims use since summer of 1932.

Ser. No. 390,206. FRANKLIN RAYON CORPORATION, Providence, R. I. Filed Mar. 18, 1937.

RESISTUBE

For Cop-Tubes or Carriers for Packages of Yarn, Thread, or the Like.
Claims use since Feb. 24, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 386,810. MEYERS MANUFACTURING CO., New York, N. Y. Filed Dec. 16, 1936.

Collegiate

For Ladies' Handbags.
Claims use since September, 1936.

Ser. No. 390,200. CROCHET NOVELTY MILLS, INC., New York, N. Y. Filed Mar. 18, 1937.

"Cord-o-line"

The word "Cord" is disclaimed apart from the mark.
For Cord or Twine Pocketbooks.
Claims use since Feb. 3, 1936.

Ser. No. 390,423. SEATTLE LUGGAGE CORPORATION, Seattle, Wash. Filed Mar. 23, 1937.

SKYWAY

For Trunks, Dress-Suitcases, Handbags, Golf Bags, Sample Cases, Portfolios, and Animal Carriers.
Claims use since Nov. 1, 1936.

Ser. No. 390,620. BOYLE LEATHER GOODS CO. INC., New York, N. Y. Filed Mar. 29, 1937.

SKY-WEIGH

For Handbags, Suitcases, Hat Boxes, Overnight Cases, Wardrobe Cases, and Trunks.
Claims use since Nov. 6, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 389,205. WHITLOCK CHEMICAL CO., Springfield, Ill. Filed Feb. 20, 1937.

BOWLADE

For Preparation for Cleaning Toilet Bowls.
Claims use since July 1, 1935.

Ser. No. 389,259. BENJAMIN MAYER, Brooklyn, N. Y. Filed Feb. 23, 1937.

WRINKLE

For Soap, Shaving Soap.
Claims use since August, 1936.

Ser. No. 389,649. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Mar. 4, 1937.

IMPERIAL

For Abrasive Cloth and Abrasive Paper.
Claims use since 1905.

Ser. No. 389,651. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Mar. 4, 1937.

PRODUCTION

For Abrasive Cloth and Abrasive Paper.
Claims use since January, 1925.

Ser. No. 390,844. DERRIS, INC., New York, N. Y. Filed Apr. 2, 1937.

TOPS

For Flushing Powder for Bath Room Fixtures and the Like—Namely, a Toilet Bowl Cleaner.
Claims use since Mar. 10, 1937.

Ser. No. 390,847. DERRIS, INC., New York, N. Y. Filed Apr. 2, 1937.

SPRY

For Flushing Powder for Bath Room Fixtures and the Like—Namely, a Toilet Bowl Cleaner.
Claims use since Feb. 5, 1937.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 375,669. MARTIN AUDLEY SCARBOROUGH, doing business as Red Horse Manufacturing Company, Clarksville, Ark. Filed Mar. 6, 1936.

AMBER

For Skin Relief—Namely, a Topical Liquid Preparation for the Treatment of Itch, Eczema, Ringworm, Athlete's Foot, Poison Ivy, Insect Bites, and the Like.
Claims use since June 3, 1935.

Ser. No. 383,873. A. D. CHAPMAN & CO., Chicago, Ill. Filed Oct. 2, 1936.

PERNATOL

For Toxic Chemical Solution for Treating Wood and Cellulose Products to Protect Them from Attack by Insects and Fungi.
Claims use since Sept. 21, 1936.

Ser. No. 385,084. A. E. BOONIN CO. INC., Philadelphia, Pa. Filed Nov. 3, 1936.

DEPENDO

For Medicinal Compound for the Relief of Coughs, Chest Colds, Tickling of the Throat, Hoarseness, Huskiness of the Voice, and Other Bronchial Irritation Arising from Colds.
Claims use since October, 1931.

Ser. No. 386,006. ANGLO-FRENCH LABORATORIES, INC., New York, N. Y. Filed Nov. 27, 1936.

EXHEPAT

For Medicines for the Treatment of Anaemia.
Claims use since Nov. 14, 1936.

Ser. No. 386,498. R. S. PLUNKETT, Picayune, Miss. Filed Dec. 8, 1936.

DR. R. S. PLUNKETT'S

R S Plunkett

The notation R. S. Plunkett is a facsimile signature of the applicant.
For Medicinal Preparation in Emulsified Form Recommended for Treatment of Human Lung Affections.
Claims use since Jan. 1, 1929.

Ser. No. 387,277. MABEL HENDRICKSON-THOMAS, doing business as The Petrofig Co., Loma Linda, Calif. Filed Dec. 30, 1936.

Petrofig

For Laxative Consisting of Mineral Oil Emulsified with Fig Syrup.
Claims use since Sept. 15, 1934.

Ser. No. 387,583. FLOYD W. FROST, Toledo, Ohio. Filed Jan. 8, 1937.

PEDA-COOL

The word "Cool" is disclaimed apart from the mark.
For Foot Lotion.
Claims use since Nov. 1, 1936.

Ser. No. 388,111. NAAMLOOZE VENNOOTSCHAP AMSTERDAMSCHE CHININE-FABRIEK, Amsterdam, Netherlands. Filed Jan. 21, 1937.

AFLUKIN

For Prophylactic Medicines for Colds and Influenza.
Claims use since May 8, 1936.

Ser. No. 389,065. GODISSART'S PARFUM CLASSIQUE FRANCAIS, INC., Hollywood, Calif. Filed Feb. 18, 1937.

RHYTHME

For Perfume and Toilet Water.
Claims use since November, 1934.

Ser. No. 389,107. THE VITA-RAY CORPORATION, Lowell, Mass. Filed Feb. 18, 1937.

VITALIN

For Medicinal Ointment for External Use in the Treatment of Infected Wounds, Abscesses, or Other Slow Healing Pathological Conditions Where a Stimulation of Granulations or Replacement Tissue is Desirable.
Claims use since Feb. 2, 1937.

Ser. No. 389,351. EXPRESS DAIRY COMPANY LIMITED. London, England. Filed Feb. 25, 1937.

VACHO

For Drench for the Treatment of Mastitis in Cattle.
Claims use since 1936.

Ser. No. 389,525. PRODUCTS, INC., Columbus, Ohio. Filed Mar. 1, 1937.

X-ODE

For Deodorizing and Disinfecting Preparation.
Claims use since Nov. 15, 1935.

Ser. No. 389,874. LEONIE DOLLAR, Tampa, Fla. Filed Mar. 10, 1937.

La Dollar

For Hair Grower.
Claims use since Jan. 24, 1934.

Ser. No. 389,886. PUREX PRODUCTS, INCORPORATED, Baltimore, Md. Filed Mar. 10, 1937.

Alco-Sahge

For Rubbing Alcohol.
Claims use since Jan. 30, 1937.

Ser. No. 389,892. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va. Filed Mar. 10, 1937.

VC

For Trisodium Phosphate, Disodium Phosphate Crystals, Disodium Phosphate Duohydrate, Phosphoric Acids, Sulfuric Acid, Mixture of Sodium Carbonate and Trisodium Phosphate with and without Sodium Metasilicate with and without Ammonia Compounds, with and without Canstic Soda.
Claims use since December, 1933.

Ser. No. 389,893. VIRGINIA CAROLINA CHEMICAL CORPORATION, Richmond, Va. Filed Mar. 10, 1937.

VC

For Trisodium Phosphate, Disodium Phosphate Crystals, Disodium Phosphate Duohydrate, Phosphoric Acids, Sulfuric Acid, Mixture of Sodium Carbonate and Trisodium Phosphate with and without Sodium Metasilicate with and without Ammonia Compounds, with and without Canstic Soda.
Claims use since Jan. 29, 1937.

Ser. No. 389,940. ANGUS G. RAYMOND, doing business as Staff-O-Life, Detroit, Mich. Filed Mar. 11, 1937.

STAFF LIFE

For Preparation for the Relief of Indigestion, Constipation, Gastritis, Headaches, Colds, and Rheumatic Pains, in Liquid Form Taken Internally.
Claims use since Dec. 7, 1936.

Ser. No. 389,984. IVA FAY GREEN, doing business as Iva Michelle Products, Sunnyside, Long Island, N. Y. Filed Mar. 12, 1937.

Iva Michelle

PRODUCTS

The word "Products" is disclaimed apart from the mark.
For Cosmetics—Namely, Face Cream Such as Cleansing Cream and Tissue Cream, Skin Lotion, Astringent Lotion, Hand Lotion, After Shave Cream Lotion, Face Clay for Beauty Masks, Face Powder, and Rouge.
Claims use since Feb. 11, 1937.

Ser. No. 389,985. CHARLES C. HASKELL & CO., INC., Richmond, Va. Filed Mar. 12, 1937.

HASAC

For Analgesic-Antipyretic Pharmaceutical Preparation in Tablet Form.
Claims use since Feb. 8, 1937.

Ser. No. 389,986. CHARLES C. HASKELL & CO., INC., Richmond, Va. Filed Mar. 12, 1937.

HASAPHEN

For Pharmaceutical Preparation in Tablet Form, Having Analgesic, Antipyretic, and Sedative Properties.
Claims use since Feb. 6, 1937.

Ser. No. 389,994. MAISON JOUBERT, INC., New York, N. Y. Filed Mar. 12, 1937.

NAUGHTY

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid and Cream Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream and Solid Form, Eyebrow and Eyelash Grower, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch-Hazel, Peroxide, Petroleum Jellies, Witch-Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.
Claims use since Mar. 6, 1937.

Ser. No. 389,995. MAISON JOUBERT, INC., New York, N. Y. Filed Mar. 12, 1937.

Oriental Lure

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid and Cream Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream and Solid Form, Eyebrow and Eyelash Grower, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch-Hazel, Peroxide, Petroleum Jellies, Witch-Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.
Claims use since Feb. 9, 1937.

Ser. No. 390,008. CARL LAPIN, doing business as Carly Products, New York, N. Y. Filed Mar. 11, 1937.

PAT-A-DAY

For Deodorant.
Claims use since Feb. 19, 1937.

Ser. No. 390,013. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Mar. 13, 1937.

BEPHEDIN

For Vasoconstrictor, Antiasthmatic, and Antispasmodic.
Claims use since Feb. 24, 1937.

Ser. No. 390,078. LUCKY TIGER MANUFACTURING COMPANY, Kansas City, Mo. Filed Mar. 15, 1937.

VEG-E-TIN

For Hair Dressing.
Claims use since Mar. 1, 1937.

Ser. No. 390,101. THE VALLEY CHEMICAL COMPANY, Elkins, W. Va. Filed Mar. 15, 1937.

DETH-O-LENE

For Liniment for Treatment of Spasmodic Croup and Superficial Congestion.
Claims use since Mar. 1, 1916.

Ser. No. 390,128. NEW ENGLAND CONFECTIONERY COMPANY, Cambridge, Mass. Filed Mar. 16, 1937.

M. D. HONEY-MENTHOL COUGH DROPS +

The drawing is lined for green. The words "Honey-Menthol Cough Drops" are disclaimed.
For Cough Drops.
Claims use since Mar. 5, 1937.

Ser. No. 390,425. SALENA THOMAS, doing business as Via Pak Compound Company, Los Angeles, Calif. Filed Mar. 23, 1937.

Via Pak

For Compound in Powdered Form for the Purpose of Making a Pack for Use in Hydrotherapy.
Claims use since Mar. 6, 1937.

Ser. No. 390,603. THE PAAC CHEMICAL CORPORATION, Greensburg, Pa. Filed Mar. 27, 1937.

GOOD EARTH

The trade-mark is the name of a celebrated motion picture and book.
For Facial Pack.
Claims use since Mar. 26, 1937.

Ser. No. 390,624. HARRY CARR, doing business as H. P. Carr and Co., New York, N. Y. Filed Mar. 29, 1937.

DENTIBRITE

For Tooth Powder.
Claims use since Mar. 19, 1937.

Ser. No. 390,627. COLONY LABORATORIES, INC., New Haven, Conn. Filed Mar. 29, 1937.

BETA-SUL

For Colloidal Sulphur Used as a Principal Ingredient in the Preparation of a Hair Tonic.
Claims use since Nov. 1, 1936.

Ser. No. 390,639. DURAY LABORATORIES, INC., Seattle, Wash. Filed Mar. 29, 1937.

Duray

For Antiseptic Preparations for Hygienic Purposes.
Claims use since Aug. 30, 1932.

Ser. No. 390,640. MARIE EARLE, INC., New York, N. Y. Filed Mar. 29, 1937.

ROSERAIE

For Face Powder, Perfume, Rouge, and Lipstick.
Claims use since Mar. 24, 1937.

Ser. No. 390,660. MEDICINAL RESEARCH LABORATORIES, Philadelphia, Pa. Filed Mar. 29, 1937.

AURIPHEN

For Preparation Used in the Treatment for Whooping Cough, Bronchitis, Bronchial Asthma, and Other Spasmodic Coughs.
Claims use since October, 1933.

CLASS 7

Cordage

Ser. No. 379,985. THE UPSON-WALTON COMPANY, Cleveland, Ohio. Filed June 23, 1936.

LAY-RITE

For Wire Rope.
Claims use since Sept. 20, 1920.

CLASS 12

Construction Materials

Ser. No. 379,578. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed June 11, 1936.

"When you build with wood – protect with gypsum"

The word "Gypsum" is disclaimed apart from the mark shown.
For Composite Building Board.
Claims use since May, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 380,682. THORNHILL-CRAVER COMPANY, Houston, Tex. Filed July 6, 1936.

UNIBOLT

For Pipe Couplings.
Claims use since Sept. 10, 1932.

Ser. No. 385,276. AMERICAN CABINET HARDWARE CORP., Rockford, Ill. Filed Nov. 9, 1936.

MINARET

For Hinges.
Claims use since Oct. 27, 1936.

Ser. No. 385,447. THE MOORE ENAMELING & MFG. CO., West Lafayette, Ohio. Filed Nov. 12, 1936.

Enamlart

For Enameled Base Metal Hollow Ware, Flat Ware, Semi-Flat Ware, and Shallow Ware—Namely, Double Boilers, Combination Cookers, Kettles, Tea Kettles, Sauce Pans, Percolators, Pots; Covers for Boilers, Cookers, Kettles, Pans, and Pots; Pie Plates, Bake Pans, Dutch Ovens, Combination Roasters and Cookers, Refrigerator Pans, Pudding Pans, Dish Pans, and Sink Strainers, All for Culinary, Kitchen, and Household Purposes.
Claims use since Oct. 30, 1936.

CLASS 14

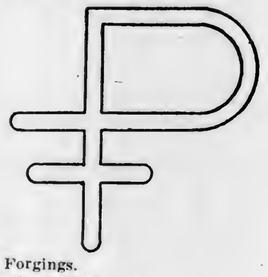
Metals and Metal Castings and Forgings

Ser. No. 373,796. METAL COATING COMPANY OF AMERICA, Philadelphia, Pa. Filed Jan. 17, 1936.

METALAYER

For Metal Strip Material, Particularly Metal Wire and Metal Bands for Use in Metal Spraying Apparatus.
Claims use since July 1, 1935.

Ser. No. 387,838. PORTER FORGE AND FURNACE INC., Everett, Mass. Filed Jan. 15, 1937.



For Drop Forgings.
Claims use since July, 1936.

CLASS 15

Oils and Greases

Ser. No. 377,028. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Apr. 9, 1936.

STANFLEET

For Refined, Semi-Refined, and Unrefined Oils Made from Petroleum, Both With and Without Admixture of Animal, Vegetable, or Mineral Oils, for Power, Fuel, and Lubricating Purposes, and Lubricating Greases.
Claims use since Mar. 11, 1936.

Ser. No. 382,431. KUHNE-LIBBY COMPANY, New York, N. Y. Filed Aug. 21, 1936.



For Ceresin.
Claims use since Nov. 13, 1934.

Ser. No. 390,233. PARAGON OIL COMPANY, INC., Brooklyn, N. Y. Filed Mar. 18, 1937.

Paragear

For Lubricating Oils and Greases for Gears.
Claims use since Nov. 2, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 379,341. PHILIP HANTMAN, doing business as Rayglow Paint Company, Brooklyn, N. Y. Filed June 5, 1936.



The words "Paint products" are disclaimed apart from the mark.
For Paint and Paint Products—Namely, Ready Mixed Paints, Consisting of High Gloss, Stipple Gloss, One Coat Gloss, Stipple Flat, Brush Flat, Gloss Paint, and One Coat Enamel.
Claims use since Jan. 1, 1935.

Ser. No. 389,520. I. F. LAUCKS, INC., Seattle, Wash. Filed Mar. 1, 1937.

LAUX REZITE SEALER

The word "Sealer" is disclaimed apart from the mark.
For Under or Priming Coat for Wood, Cement, Plaster, or Brick, and for a Filler, Sealer, and Grain Raising Inhibitor for Lumber and Plywood.
Claims use since Dec. 4, 1936.

Ser. No. 389,645. THE LOXON CORPORATION, Minneapolis, Minn. Filed Mar. 4, 1937.

LOXON

For Ready Mixed Paints, Especially Primers and Sizes.
Claims use since Jan. 25, 1937.

Ser. No. 389,732. HALL HARDWARE COMPANY, Minneapolis, Minn. Filed Mar. 6, 1937.

LINOLA

For Linoleum Varnish.
Claims use since Jan. 28, 1937.

Ser. No. 390,691. THE H. B. DAVIS CO., Baltimore, Md. Filed Mar. 30, 1937.

SEM-I-GLO

For Dry and Ready Mixed Paints, Paint Enamels, Stains, Lacquers, and Varnishes.
Claims use since Nov. 28, 1932.

CLASS 17

Tobacco Products

Ser. No. 390,135. LA ABILIDAD CIGAR CO. LTD., Los Angeles, Calif. Filed Mar. 16, 1937.

LA CONFESION

For Cigars.
Claims use since 1882.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 375,778. SAGINAW STAMPING & TOOL COMPANY, Saginaw, Mich. Filed Mar. 9, 1936.

AIRCAR

For Vehicle Bodies.
Claims use since Jan. 14, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 388,359. McCREARY TIRE & RUBBER COMPANY, Indiana, Pa. Filed Jan. 30, 1937.

GREYHOUND

For Electrical Storage Batteries.
Claims use since Nov. 9, 1936.

Ser. No. 389,015. FARIES MANUFACTURING COMPANY, Decatur, Ill. Filed Feb. 17, 1937.

The GUARDSMAN

For Indirect Electric Lamps.
Claims use since Dec. 2, 1935.

Ser. No. 389,184. KELMAN ELECTRIC & MANUFACTURING COMPANY, Los Angeles, Calif. Filed Feb. 20, 1937.

DETHERMALIZER

For High-Voltage Electric Switches and Fuses.
Claims use since Nov. 30, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 388,619. PLAZA MANUFACTURING CO. INC., New York, N. Y. Filed Feb. 6, 1937.

FIDDLESTIX

For Game of Skill Comprising a Number of Different Colored Sticks, the Object of the Game Being to Pick Up as Many Sticks as Possible, One at a Time, without Moving Any of the Others, Each Color Stick Representing a Certain Number of Points.
Claims use since Sept. 10, 1936.

Ser. No. 390,453. HOLLYWOOD AMUSEMENT COMPANY, INC., Chicago, Ill. Filed Mar. 24, 1937.

BANKROLL

For Cards and Slides for an Amusement Game Operated on a Screen Through Slides.
Claims use since Oct. 1, 1936.

Ser. No. 390,529. CARLO RUBINO, Flushing, N. Y. Filed Mar. 25, 1937.

BRING-EM BACK ALIVE

The representation of the game is disclaimed apart from the mark shown.
For Board Game Played with Movable Pieces.
Claims use since Mar. 15, 1937.

Ser. No. 390,611. LOUIS RUBIN, doing business as New York Toy & Game Manufacturing Co., New York, N. Y. Filed Mar. 27, 1937.

Little Miss Practical's

For Toy Hostess Sets, Comprising a Tablecloth, Doilies, Stencils, Needles, Threads, and Embroidery Hoops, All Boxed and Sold in Sets for Children's Use; Toy Handkerchief Sets, Comprising Handkerchiefs, Stencils, Pencils, and Needles and Threads, All Boxed and Sold in Sets for Children's Use; Toy Party Sets, Comprising Napkins, Doilies, Table Place Cards, and Designs and Initials to Be Traced and Cut-Out, and Invitation Cards and Envelopes, All Boxed and Sold in Sets for Children's Use; Toy Patchquilt Sets, Comprising Assorted Pieces of Materials to Be Sewed Together, and Needles and Threads, All Boxed and Sold in Sets for Children's Use; Toy Stationery Sets, Comprising Designs for Tracing, Stencils, Pencils and Crayons for Tracing and Coloring, Also Letterheads, Postcards, and Envelopes, All Boxed and Sold in Sets for Children's Use; Toy Dolly and Dressmaking Sets, Comprising a Doll and Dresses Ready for Sewing and Embroidery, All Boxed and Sold in Sets for Children's Use; Toy Weave-Loom Sets, Comprising a Miniature Loom and Yarn, Boxed and Sold in Sets for Children's Use; a Toy Novelty Knitting Set, Comprising a Knitting Spool, Needles and Yarn, All Boxed and Sold in Sets for Children's Use; a Toy Tapestry Set, Comprising a Tapestry Frame, Stencilled Netting and Yarn, All Boxed and Sold in Sets for Children's Use; a Toy Beadworker Set, Comprising Colored Beads and Printed Designs for Bead Work, Boxed and Sold in Sets for Children's Use; and a Toy Baby Sister Sewing Set, Comprising Yarn and Colored Pictures to Be Threaded with the Yarn, All Boxed and Sold in Sets for Children's Use.
Claims use since Mar. 15, 1937.

Ser. No. 390,702. WILLIAM E. LOOS, Oakland, Calif. Filed Mar. 30, 1937.

TIZAMORD

For Card Game.
Claims use since Aug. 15, 1935.

Ser. No. 390,862. HANNY PIERINGER, Forest Hills, N. Y. Filed Apr. 2, 1937.

Heidi

"Heidi" is the first name of applicant's daughter.
For Dolls' Dresses, and Toy Cut-Out Books, in Paper, Comprising Children's Figures Together with Dresses and/or Suits.
Claims use since Apr. 7, 1936 on dolls' dresses; since Jan. 4, 1937 on cut-out books.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 370,175. DEERE & COMPANY, Moline, Ill. Filed Oct. 9, 1935. Under section 5b of the act of 1905 as amended in 1920.

JOHN DEERE MOLINE, ILL.

For Agricultural Implements and Parts Thereof, and Particularly Binders, Corn Shellers, Cultivators, Drills, Elevators, Feed Mills, Fertilizer Distributors, Harrows, Harvesters, Combined Harvester Threshers, Hay Loaders, Hay Presses, Hay Stackers, Horse Powers, Listers, Manure Spreaders, Mowers, Planters, Plows, Potato Diggers, Rakes, Reapers, Ridge Bursters, Rod Weeders, Seeders, Sickle Grinders, Silo Fillers, Soil Pulverizers, Speed Jacks, Stalk Cutters, Stationary Engines, Threshers, and Tractors.

The trade-mark has been continuously used by said corporation and by its predecessors, John Deere & Company and John Deere, on binders, corn shellers, cultivators, drills, elevators, feed mills, fertilizer distributors, harrows, harvesters, hay loaders, hay presses, hay stackers, horse powers, listers, manure spreaders, mowers, planters, plows, potato diggers, rakes, reapers, ridge bursters, seeders, soil pulverizers, speed jacks, stalk cutters and stationary engines, since about the year 1873; on combined harvester threshers since about May, 1927; on rod weeders since about February, 1928; on threshers since about May, 1930; on sickle grinders since about June, 1934; on silo fillers since about July, 1934; and on tractors since on or about July 1, 1935.

Ser. No. 370,464. JOHN FOWLER & CO. (LEEDS) LIMITED, London, and Leeds, England. Filed Oct. 17, 1935.

GYROTILLER

For Rotary Ploughs.
Claims use since December, 1927.

Ser. No. 383,998. CORTEZ R. HALL, doing business as Sum Products Company, Detroit, Mich. Filed Oct. 5, 1936.

SAVE S·U·M ONEY

For Razor Blades.
Claims use since June 6, 1936.

Ser. No. 384,084. INDUSTRIAL ENGINEERING CORPORATION, Boston, Mass. Filed Oct. 7, 1936.

NOUVO

For Machine Parts Having Self-Lubricating Properties—Namely, Parts of Spinning, Weaving, and Winding Machines, Pumps; Polishing, Grinding, Buffing and Splitting Machines; Internal Combustion Engines; Winches; Propeller Shaft Bushings; Railway Axle Bearings; Printing Presses; Machines for Twisting and Rolling Paper.
Claims use since Oct. 1, 1936.

Ser. No. 386,834. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Dec. 17, 1936. Under section 5b of the act of 1905 as amended in 1920.

Westinghouse

For Steam Turbines and Marine Reduction Gearing, and Centrifugal Pumps and Propeller Pumps.
Claims use since 1896 on steam turbines; since 1914 on marine reduction gearing; since 1930 on said pumps.

Ser. No. 387,715. UNIFLOW MANUFACTURING CO., Erie, Pa. Filed Jan. 12, 1937.

UNIFLOW

For Water Pumps, Cellar Drainer Pumps, Beer Pumps, Air Compressors, and Internal Combustion Engines.
Claims use since Nov. 10, 1921.

Ser. No. 387,732. BLACKHAWK MFG. CO., Milwaukee, Wis. Filed Jan. 13, 1937.

Flex-Head

The word "Head" is disclaimed apart from the mark.
For Heads for Mechanical and Hydraulic Jacks.
Claims use since Oct. 28, 1936.

Ser. No. 387,854. BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed Jan. 16, 1937.

BETHLEHEM STEEL

The word "Steel" is disclaimed apart from the mark. Applicant is owner of T. M. Reg. Nos. 151,430 and 155,383 effected under the 10-year proviso.

For Gears, Saws, Chisels, Tool Bits, Digging Bars, Knives, Rivet Sets, Dies, Saw Teeth, Pinions, Cutters, Bushings, Crane Wheels, Reamers, Shear Blades, Drills, Punches, Spindles.

Claims use since July, 1930.

Ser. No. 388,650. C. & E. MARSHALL CO., Chicago, Ill. Filed Feb. 8, 1937.

WATCH-CRAFT

For Tweezers, Lathes, and Various Tools Used by Watchmakers and Jewelers.

Claims use since Feb. 1, 1936.

Ser. No. 388,995. THE STANLEY WORKS, New Britain, Conn. Filed Feb. 16, 1937.

STANLEY

The trade-mark consists of a rectangular label having dark gray-green background, the name Stanley in white letters and a panel also in white.

For Screw Drivers, Planes, Chisels, Hand Drills, Vises, Saw Sets, Punches, Nail Sets, Scrapers, Pliers, Breast Drills, Spoke Shaves, Doweling Jigs, Hammers, Screw Driver Bits, Hollow Handle Tool Sets, Comprising Gimlet, File, Saw, Chisel, Reamer, Tack Puller, Brad Awl, and Screw Driver.

Claims use since March, 1925.

Ser. No. 389,043. SOLAR AIRCRAFT COMPANY, San Diego, Calif. Filed Feb. 17, 1937.

For Exhaust Manifolds for Internal Combustion Engines.

Claims use since Jan. 1, 1932.

Ser. No. 389,224. AMERICAN BALL-MILL COMPANY, Denver, Colo. Filed Feb. 23, 1937.

ABCO

For Milling Machinery, Including Ball Mills, Pebble Mills, Rod Mills, and Parts Therefor, Including Liners.

Claims use since Feb. 14, 1935.

Ser. No. 389,367. MIRACLE PRODUCTS, INC., Chicago, Ill. Filed Feb. 25, 1937.

SHAVE KING

For Safety Razors.

Claims use since Nov. 1, 1936.

Ser. No. 389,679. EVANS PRODUCTS COMPANY, Detroit, Mich. Filed Mar. 5, 1937.

AUTO-RAILER

For Tractors.

Claims use since March, 1936.

Ser. No. 390,629. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Mar. 29, 1937.

REVERE

For Safety Razor Blades.

Claims use since Mar. 24, 1937.

CLASS 25

Locks and Safes

Ser. No. 385,277. AMERICAN CABINET HARDWARE CORP., Rockford, Ill. Filed Nov. 9, 1936.

ROLL POINT

For Bullet and Friction-Spring Catches.

Claims use since Sept. 1, 1932.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 363,287. LEEDS & NORTHRUP COMPANY, Philadelphia, Pa. Filed Apr. 1, 1935.

SPEEDOMAX

For Automatic Electrical Measuring Instruments, Automatic Electrical Recorders and Controllers, and Combined Automatic Electrical Recorders and Controllers,—for Measuring, Recording, and Controlling Variations in Magnitude of Physical, Chemical, Mechanical, and Electrical Conditions and Forces, Such as, Temperature, Electromotive Force, Impedance, Current, and the Like.

Claims use since Oct. 17, 1933.

Ser. No. 387,041. LEEDS & NORTHRUP COMPANY, Philadelphia, Pa. Filed Dec. 22, 1936.

METERMAX

For Combination Automatic Combustion Control Apparatus Comprising an Air Compressor, a Master Air Pressure Controller with Transfer Valve and Load Adjustment Valve, a Fuel Feed Controller, Furnace Pressure Controller,—for Maintaining Definite Relation Between Metered Fuel Supply and Air Loading Pressure in Combustion Systems, by Means of Sensitive Measuring Devices.

Claims use since Aug. 1, 1935.

Ser. No. 387,075. LEEDS & NORTHRUP COMPANY, Philadelphia, Pa. Filed Dec. 23, 1936.

THERMOHM

For Electrical Pyrometers, Electrical Thermometers, Electrical Resistance Elements for Electro-Pyrometers and Thermometers, and Housings and Attachments Therefor, and Electrical Resistance Elements for Detectors of Temperature, Heat, and Humidity.

Claims use since Jan. 30, 1936.

Ser. No. 388,600. WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 5, 1937.

MIRROPHONIC

For Sound Picture Apparatus—Namely, Apparatus for Synchronous Reproduction of Sound and Light Effects, Parts Thereof, and Accessories Therefor.

Claims use since Jan. 6, 1937.

Ser. No. 388,601. WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 5, 1937.

Western Electric MIRROPHONIC SOUND SYSTEM

The words "Sound System" are disclaimed apart from the mark.

For Sound Picture Apparatus—Namely, Apparatus for Synchronous Reproduction of Sound and Light Effects, Parts Thereof, and Accessories Therefor.

Claims use since Jan. 6, 1937.

Ser. No. 388,994. THE STANLEY WORKS, New Britain, Conn. Filed Feb. 16, 1937.

STANLEY

Trade-mark consists of a rectangular label having a dark grey-green background, the name "Stanley" in white letters, and a panel also in white.

For Rules, Levels, Plumbs, Level Sights, Butt Gauge, and Mortisers, Try Squares, Plumb Bobs, Angle Dividers, Marking Gauges, Butt Gauges, Trammel Points, Leveling Stands, T Bevels, Odd Jobs, Being a Combination Tool Used for Level, Plumb, Try Square, Mitre Square, Bevel, Scratch Awl, Depth Gauge, Marking Gauge, Mortise Gauge, Beam Compass and Rule.

Claims use since March, 1925.

Ser. No. 389,189. MASTER PICTURES, INC., Los Angeles, Calif. Filed Feb. 20, 1937.

"YEABO"



The portrait is fanciful.

For Motion Picture Film.

Claims use since Dec. 23, 1936.

Ser. No. 389,427. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Feb. 26, 1937.

EVEREADY

For Electric Lamp Testers.

Claims use since Feb. 15, 1933.

CLASS 27

Horological Instruments

Ser. No. 389,895. THE WATERBURY CLOCK COMPANY, Waterbury, Conn. Filed Mar. 10, 1937.

ELI TERRY

Eli Terry was a well known clockmaker, now deceased.
For Clocks and Watches.
Claims use since Mar. 2, 1937.

CLASS 28

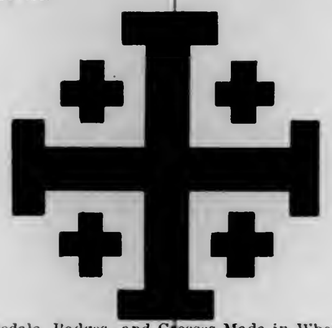
Jewelry and Precious-Metal Ware

Ser. No. 390,184. PITMAN & KEELER, Attleboro, Mass. Filed Mar. 17, 1937.

American Queen

For Bracelets, Vanity Cases, and Compacts Made Wholly or in Part of or Plated with Precious Metal.
Claims use since Mar. 1, 1917.

Ser. No. 390,198. COMMISSARIAT OF THE HOLY LAND, Washington, D. C. Filed Mar. 18, 1937. Under 10-year proviso.



For Medals, Badges, and Crosses Made in Whole or in Part of Precious Metal.
Claims use since 1886.

CLASS 32

Furniture and Upholstery

Ser. No. 386,709. GREENPOINT METALLIC BED COMPANY, INC., Brooklyn, N. Y. Filed Dec. 14, 1936.



For Bed Springs and Mattresses.
Claims use since Sept. 1, 1928.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 387,745. THE HIPOINT CORPORATION, Bellefontaine, Ohio. Filed Jan. 13, 1937.



For Oil Burners.
Claims use since January, 1932.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 386,489. JOHN C. GRIESEMER, Reading, Pa. Filed Dec. 8, 1936.

Realflex

For Flexible Nozzle Tube for Measured Fluid Dispensing Apparatus.
Claims use since Dec. 1, 1936.

Ser. No. 389,327. NEW YORK RUBBER CORPORATION, Beacon, N. Y. Filed Feb. 24, 1937.



The word "New York" after the word "Corporation" is disclaimed.
For Rubber Belting and Hose.
Claims use since January, 1917.

CLASS 36

Musical Instruments and Supplies

Ser. No. 379,189. ELECTRO-ACOUSTIC PRODUCTS COMPANY, Fort Wayne, Ind. Filed June 2, 1936.

Magnavox
Phonette

For Electric Phonograph, Machines, Amplifier, Turn Table, Motor, Phonograph Pick Up, and Loud Speaker.
Claims use since May 21, 1936.

CLASS 37

Paper and Stationery

Ser. No. 382,124. HY-SIL MANUFACTURING COMPANY, Revere, Mass., New York, N. Y., and Los Angeles, Calif. Filed Aug. 13, 1936.



For Silver and Ore Metallic-Coated Transparent Cellulose Product Manufactured Primarily in Single-Ply Sheet Form and Converted, Under Predetermined Conditions, into Strips and Ribbons for General Commercial Utility, said Material Being Especially Employed in Wrapping, Tying, and Decorating Packages; Being Utilized in Manufacturing Scintillating Decorations and Ornaments of Variegated Form; in the Manufacture of Spooled Ribbon, Cord, Fringe, and the Like; and in Other Present Unpracticed Ways in the Trade.
Claims use since Jan. 15, 1936.

Ser. No. 384,616. THE HEYER CORPORATION, Chicago, Ill. Filed Oct. 21, 1936.



ECONOMY

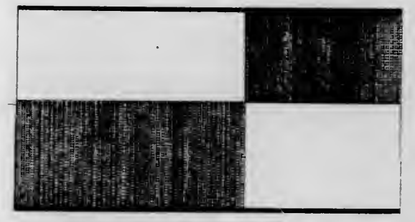
The representation of the stencils are disclaimed apart from the mark shown.
For Stencils.
Claims use since Apr. 10, 1935.

Ser. No. 384,617. THE HEYER CORPORATION, Chicago, Ill. Filed Oct. 21, 1936.



The word "Stencils" apart from the mark as shown is disclaimed.
For Stencils.
Claims use since Nov. 10, 1932.

Ser. No. 385,417. MCCRORY STORES CORPORATION, New York, N. Y. Filed Nov. 11, 1936.



The unlined portions are silver, the horizontaly lined portions are blue, and the vertical lines on the blue are superimposed white lines.
For Writing Paper, Writing Pads, and Envelopes.
Claims use since Oct. 28, 1921.

Ser. No. 385,418. MCCRORY STORES CORPORATION, New York, N. Y. Filed Nov. 11, 1936.



The unlined portions represent silver areas and the lined portions represent blue areas.
For Writing Paper, Writing Pads, and Envelopes.
Claims use since Oct. 28, 1921.

Ser. No. 388,124. DRIGARD PRODUCTS CORPORATION, Wilmington, Del. Filed Jan. 25, 1937.

X-Portbord

For Waterproofed Paper Board (Such as Waterproofed Pulp, Chip, News, and Fibre Boards of Any and All Types of Paper and Fibre Boards, Which in the Trade are Distinguished from Paper).
Claims use since Oct. 19, 1936.

Ser. No. 388,125. DRIGARD PRODUCTS CORPORATION, Wilmington, Del. Filed Jan. 25, 1937.

DRIPAPE

For Waterproofed Paper (Such as, for Example, Waterproofed Bond, Kraft, Rope Jute, and News Paper, or Any Type of Paper which in the Trade is Distinguished from Board).
Claims use since Nov. 2, 1936.

Ser. No. 389,578. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Mar. 2, 1937.



The drawing is lined for red. The word "Kraft" is disclaimed apart from the mark.
For Wrapping Paper.
Claims use since Feb. 19, 1937.

Ser. No. 389,904. BURGESS CELLULOSE COMPANY, Freeport, Ill. Filed Mar. 11, 1937.

TONE-TEX

For Stereotype Mats.
Claims use since Feb. 24, 1937.

Ser. No. 389,929. MCLAURIN-JONES CO., Brookfield, Mass. Filed Mar. 11, 1937.

RELYON

For Gummed Cloth and Paper.
Claims use since Feb. 15, 1937.

Ser. No. 390,111. A. P. W. PAPER COMPANY, INC., Albany, N. Y. Filed Mar. 16, 1937.

CHEVRON

For Toilet Tissue.
Claims use since Mar. 5, 1937.

Ser. No. 390,165. GOLDSMITH BROS., New York, N. Y. Filed Mar. 17, 1937.

Longrite

For Leads for Mechanical Pencils.
Claims use since Dec. 26, 1935.

Ser. No. 390,166. GOLDSMITH BROS., New York, N. Y. Filed Mar. 17, 1937.

SUPERB

For Leads for Mechanical Pencils.
Claims use since Dec. 2, 1931.

Ser. No. 390,174. MCLAURIN-JONES CO., Brookfield, Mass. Filed Mar. 17, 1937.

PRODUXTAMP

For White Gummed Paper.
Claims use since Mar. 2, 1937.

CLASS 38

Prints and Publications

Ser. No. 388,970. BUTCHERS' ADVOCATE CO. INC., New York, N. Y. Filed Feb. 16, 1937.

COMBINATION MARKET

For Magazine Column.
Claims use since Mar. 25, 1935.

Ser. No. 389,729. FRANK JAY MARKEY SYNDICATE, INC., New York, N. Y. Filed Mar. 6, 1937.

BIG TOP

For Cartoon and Comic Strips.
Claims use since Feb. 26, 1937.

Ser. No. 389,937. PUBLIC LEDGER, INC., Philadelphia, Pa. Filed Mar. 11, 1937.

"Us"

For Newspaper Syndicated Series of Illustrations.
Claims use since Nov. 1, 1936.

Ser. No. 390,129. DAVID L. O'SULLIVAN, New York, N. Y. Filed Mar. 16, 1937.

Symprovised Music

The word "Music" is disclaimed apart from the mark shown.
For Sheet Music.
Claims use since July 1, 1936.

Ser. No. 390,197. COMMISSARIAT OF THE HOLY LAND, Washington, D. C. Filed Mar. 18, 1937. (Under 10-year proviso.)

The Crusaders Almanac

For Publications Published Periodically.
Claims use since 1893.

Ser. No. 390,199. COMMISSARIAT OF THE HOLY LAND, Washington, D. C. Filed Mar. 18, 1937. (Under 10-year proviso.)

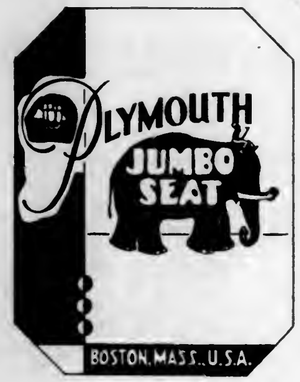


For Publications Published Periodically.
Claims use since 1886.

CLASS 39

Clothing

Ser. No. 374,094. PLYMOUTH UNDERWEAR COMPANY, Boston, Mass. Filed Jan. 25, 1936.



The words "Jumbo Seat" and "Boston, Massachusetts, U. S. A." are disclaimed apart from the mark.
For Pajamas and Nightrobes for Men.
Claims use since Dec. 10, 1935.

Ser. No. 382,600. SOLOMON K. MARKS, Cleveland, Ohio. Filed Aug. 26, 1936.



The outline of the label is disclaimed and all wording except "Lady Mae" is disclaimed apart from the mark.
For Silk Hosiery.
Claims use since Mar. 1, 1935.

Ser. No. 382,716. FEZ AMERICA, INC., New York, N. Y. Filed Aug. 29, 1936.



For Berets for Men, Women, and Children.
Claims use since August, 1935.

Ser. No. 385,593. MAISON BLANCHE COMPANY, New Orleans, La. Filed Nov. 16, 1936.



The pictures are fanciful.
For Children's Shoes of Leather, Rubber, or Fabric, or Combinations of Said Materials.
Claims use since Oct. 20, 1936.

Ser. No. 387,579. CHESTERFIELD HAT CORPORATION, New York, N. Y. Filed Jan. 8, 1937.



The word "Paris" is disclaimed except as shown.
For Ladies' Hats.
Claims use since Sept. 4, 1936.

Ser. No. 388,195. KINGSBORO SILK MILLS, INC., Gloversville, N. Y. Filed Jan. 26, 1937.

SNOWFLAKES
(LOCK-NIT FABRIC)
BY ROGERS

The words "Lock-Nit Fabric" and "By Rogers" are disclaimed apart from the mark.
For Ladies' and Children's Knitted Vests, Bloomers, Panties, Night Gowns, and Pajamas, the Material of which the Goods are Made being Rayon.
Claims use since Jan. 5, 1936.

Ser. No. 388,224. BONWIT TELLER, INC., New York, N. Y. Filed Jan. 27, 1937.

"RED-EARTH"

For Women's and Misses' Shoes Made of Leather, Fabrics, and Combinations Thereof, Hats, Petticoats, Scarfs, Belts for Outer Wear, and Handkerchiefs.
Claims use since October, 1936.

Ser. No. 388,944. JULIUS KAYSER & CO., New York, N. Y. Filed Feb. 15, 1937.

KAYSER TOPS

For Underwear, Sweaters, Vests, and Jackets for Women and Children.
Claims use since Jan. 28, 1937.

Ser. No. 389,171. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Feb. 20, 1937.

COMFO-BACK

The word "Back" is disclaimed apart from the mark.
For Corselets.
Claims use since Jan. 13, 1937.

Ser. No. 389,313. HARRY GREENBERG, HARRY PALTER, and GEORGE J. FITZGERALD, Brooklyn, N. Y. Filed Feb. 24, 1937.



For Shoes Made of Leather, Rubber, and Fabric, and of Combinations Thereof.
Claims use since Jan. 1, 1936.

Ser. No. 389,416. HANSEN GLOVE CORPORATION, Milwaukee, Wis. Filed Feb. 26, 1937.

Coach & Four

For Leather and Fabric Gloves.
Claims use since Feb. 18, 1937.

Ser. No. 389,733. ESTELLA E. HEDGES, Winnetka, Ill. Filed Mar. 6, 1937.



The word "Kloz" second occurrence on the drawing is disclaimed apart from the mark.
For Women's and Misses' Dresses.
Claims use since Jan. 1, 1937.

Ser. No. 389,908. DODGE CLOTHING CORPORATION, New York, N. Y. Filed Mar. 11, 1937.



The words "Hats", "Sold Exclusively By", and "Clothes" are disclaimed apart from the mark.
For Men's and Boys' Hats.
Claims use since Jan. 16, 1937.

Ser. No. 389,913. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Mar. 11, 1937.

LEISURE LAD

For Hats for Men.
Claims use since Mar. 4, 1937.

Ser. No. 390,062. BERNARD GOLDSTEIN, New York, N. Y. Filed Mar. 15, 1937.

Bernette

For Hosiery.
Claims use since Jan. 20, 1937.

Ser. No. 390,080. THE MORAN SHOE COMPANY, INC., Carlyle, Ill. Filed Mar. 15, 1937.

FATSO

For Shoes Made of Leather and Fabric.
Claims use since Feb. 15, 1937.

Ser. No. 390,113. COMMONWEALTH SHOE AND LEATHER COMPANY, Whitman, Mass. Filed Mar. 16, 1937.

Bostonians
Flexmore Process

The word "Process" is disclaimed apart from the mark.
For Men's Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since October, 1933.

Ser. No. 390,120. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed Mar. 16, 1937.

AIRFLATOR

For Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof, for Men, Women, and Children.
Claims use since Mar. 3, 1937.

Ser. No. 390,133. HENRY POLLAK, INC., New York, N. Y. Filed Mar. 16, 1937.

DELTA

For Hat Bodies for Women's and Children's Hats.
Claims use since January, 1936.

Ser. No. 390,162. CONDOR PRODUCTS, INC., Buffalo, N. Y. Filed Mar. 17, 1937.

'Tear-Drop'

For Garters.
Claims use since Mar. 10, 1937.

Ser. No. 390,219. LAYMAN, BERKWITS & SCOTT, INC., New York, N. Y. Filed Mar. 18, 1937.



For Men's and Boys' Clothing—Namely, Suits, Overcoats, and Topcoats.
Claims use since Feb. 18, 1937.

Ser. No. 390,427. BENJAMIN WEISBERG, New York, N. Y. Filed Mar. 23, 1937.

CHATTY TOGS

The word "Togs" is disclaimed apart from the mark.
For Infants' and Children's Dresses.
Claims use since Mar. 12, 1937.

CLASS 41

Canes, Parasols, and Umbrellas

Ser. No. 390,239. POLAN, KATZ AND COMPANY, Baltimore, Md. Filed Mar. 18, 1937.

SAFE T BRELLA

For Umbrellas.
Claims use since Mar. 1, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 384,072. THE KENNETH B. CHURCH COMPANY, INC., Norwich, Conn. Filed Oct. 7, 1936.

GLIMMERETTE

For Lacquer-Coated Fabrics.
Claims use since July, 1936.

Ser. No. 384,979. STARK BROS. RIBBON CORPORATION, New York, N. Y. Filed Oct. 30, 1936.

"COUNTER-PAK"

The word "Product" is disclaimed.
For Textile Ribbons Sold by the Yard, Spool, Piece, or Bolt.
Claims use since Oct. 1, 1936.

Ser. No. 387,506. MALLINSON FABRICS CORPORATION, New York, N. Y. Filed Jan. 6, 1937.

TAPESTRY PRINTS

The word "Prints" per se is disclaimed.
For Silk and Synthetic Fabrics in the Piece.
Claims use since Dec. 1, 1936.

Ser. No. 388,054. EDAY FABRICS, INC., West New York, N. J. Filed Jan. 22, 1937.

TWIN-
-STRIPE

For Piece Goods—Namely, Knitted Fabrics of Cotton, Rayon, Silk, Wool, or the Like Adapted for Use in the Formation of Under-Garments and Outer-Garments.
Claims use since Jan. 18, 1937.

Ser. No. 388,387. BOTANY WORSTED MILLS, Passaic, N. J. Filed Feb. 1, 1937.

TWEED - GRAIN

The word "Tweed" is disclaimed apart from the mark.
For Woolen Piece Goods.
Claims use since Jan. 22, 1937.

Ser. No. 389,774. BLISS, FABYAN & CO., INC., New York, N. Y. Filed Mar. 8, 1937.

SPUNRAY

For Spun Synthetic Fiber Piece Goods.
Claims use since Feb. 24, 1937.

Ser. No. 389,865. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y. Filed Mar. 10, 1937.

Skiardine

For Cotton Fabric in the Piece, Dyed and Finished, for Outdoor Use, Sport Clothing, Etc.
Claims use since July 1, 1936.

Ser. No. 390,141. SOUTH JERSEY UNDERWEAR CO. INC., New York, N. Y. Filed Mar. 16, 1937.

Anglo Weave

The word "Weave" is disclaimed apart from the mark.
For Cotton, Rayon, Woolen, and Silk Materials, or a Combination of Cotton and Woolen, or Silk and Cotton, or Silk and Rayon Materials, To Be Used in the Manufacture of Women's and Children's Underwear.
Claims use since January, 1937.

Ser. No. 390,581. BIANCHINI FERIER, INC., New York, N. Y. Filed Mar. 27, 1937.

Tressacôte

For Piece Goods Composed Wholly or in Part of Silk, Wool, Rayon, Cotton, China Grass, Hair, Hemp, Flax, Jute, Alpha Fibre, Aloe Fibre, Vegetable Fibre, or Mixtures Thereof.
Claims use since Jan. 1, 1937.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 388,221. ATLAS AGO CHEMISCHE FABRIK AKTIENGESELLSCHAFT, Molkau, near Leipzig, Germany. Filed Jan. 27, 1937.

Elastra

For Orthopedic Shoe Inserts and Cork Plates for Use in Orthopedic Shoe Inserts.
Claims use since June, 1934.

Ser. No. 389,905. THE COLUMBUS DENTAL MANUFACTURING COMPANY, Columbus, Ohio. Filed Mar. 11, 1937.

S P

For Tooth Backings.
Claims use since Nov. 19, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 389,501. COUNTRY CLUB SODA CO., INC., Springfield, Mass. Filed Mar. 1, 1937.

Country Club

&

PLUS

Mixer

The word "Mixer" is disclaimed.
For Non-Alcoholic Beverages.
Claims use since Feb. 20, 1937.

Ser. No. 390,439. BRAND BOTTLING WORKS, INC., Houston, Tex. Filed Mar. 24, 1937.

FAMILY CIRCLE

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since August, 1935.

Ser. No. 390,440. BRAND BOTTLING WORKS, INC., Houston, Tex. Filed Mar. 24, 1937.

ROUND UP

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Feb. 4, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 376,016. VOINVIENTI-OSUUSLIIKE VALIO R. L., Helsingfors, Finland. Filed Mar. 14, 1936.



For Cheese.
Claims use since Aug. 1, 1933.

Ser. No. 376,082. CONTINENTAL FOODS, INC., Chicago, Ill. Filed Mar. 17, 1936.

FRESHWAY

For Coffee.
Claims use since June 1, 1935.

Ser. No. 376,083. CONTINENTAL FOODS, INC., Chicago, Ill. Filed Mar. 17, 1936.

Sarban

For Coffee.
Claims use since June 1, 1935.

Ser. No. 382,240. RURAL EDUCATIONAL ASSOCIATION, doing business as Madison Foods, Madison College, Tenn. Filed Aug. 15, 1936.



The drawing is lined for brown. The word "Food" is disclaimed apart from the mark.
For Soy Bean Flour, Bread, Wheat Cereals, Beverage (Non-Caffeine) Made from a Combination of Whole Wheat, Bran, and Soy Beans; Biscuits; Crisp Cereals Made from Toasted Wheat, Soy Beans, or Combinations Thereof; Fruit Filled Biscuits, Date Biscuits, Wafers Made from Whole Wheat and/or Bran; Crackers, Cakes, Canned Soy Beans, Canned Soy Cheese, Protein Food Loaf (Containing No Meat), and Leguminous Food Nut Meat Loaf Made from Peanuts.
Claims use since Nov. 27, 1934.

Ser. No. 384,813. O. G. OLSON CO., Turlock, Calif. Filed Oct. 26, 1936.

Bungalow

For Fresh Deciduous Fruits, Melons, and Fresh Vegetables and Fresh Grapes.
Claims use since October, 1912.

Ser. No. 386,122. MONROE MILLING COMPANY, Waterloo, Ill. Filed Nov. 30, 1936.

Koenigsmark's

Trade-mark is a facsimile of the name "Koenigsmark's" as written by Alios J. Koenigsmark, president of applicant.
For Wheat Flour.
Claims use since Aug. 22, 1914.

Ser. No. 386,688. NORRIS, INCORPORATED, Atlanta, Ga. Filed Dec. 12, 1936.

Marcelle

For Candy.
Claims use since June 1, 1934.

Ser. No. 386,689. NORRIS, INCORPORATED, Atlanta, Ga. Filed Dec. 12, 1936.

Truly Southern

For Candy.
Claims use since Oct. 1, 1934.

Ser. No. 388,064. CHARLES HERENDEEN & SON, INC., Chicago, Ill. Filed Jan. 22, 1937.

FLAKEBAKE

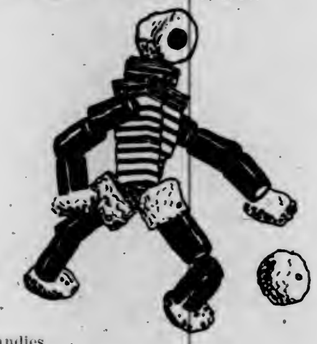
For Treated and Blended Flour.
Claims use since Dec. 30, 1936.

Ser. No. 388,388. DAVIS BROS. FISHERIES, INC., Gloucester, Mass. Filed Feb. 1, 1937.

TOM-BOY

Applicant is the owner of trade-mark registration No. 116,750.
For Salted, Smoked, Canned, and Pickled Fish.
Claims use since Jan. 1, 1905.

Ser. No. 388,667. GEO. BASSETT & COMPANY LIMITED, Sheffield, England. Filed Feb. 9, 1937.



For Candies.
Claims use since January, 1933.

Ser. No. 388,719. MARINE PRODUCTS CO., San Diego, Calif. Filed Feb. 10, 1937.

STOWAWAY

For Canned Tuna.
Claims use since Aug. 31, 1936.

Ser. No. 388,749. J. ARON & COMPANY, INC., New Orleans, La. Filed Feb. 11, 1937.



The word "Superior" is disclaimed apart from the mark.
For Sugar.
Claims use since Oct. 1, 1936.

Ser. No. 388,854. STALEY MILLING COMPANY, Kansas City, Mo. Filed Feb. 12, 1937.

VITA-SEALED

For Poultry, Cattle, and Stock Feeds.
Claims use since Feb. 9, 1937.

Ser. No. 389,058. EPPENS, SMITH COMPANY, INC., New York, N. Y. Filed Feb. 18, 1937.

CHALLENGE

Applicant is the owner of Trade-Mark Registration No. 76,088, dated Dec. 14, 1909.
For Tea.
Claims use since 1899.

Ser. No. 389,426. NATIONAL BISCUIT COMPANY, New York, N. Y. Filed Feb. 26, 1937.

Butteroons

For Bakery Products—Namely, Biscuit.
Claims use since Jan. 1, 1937.

Ser. No. 389,561. NICHOLAS MALFAS, Holyoke, Mass. Filed Mar. 2, 1937.

NICK'S NEST

For Sandwiches and Salted Popcorn.
Claims use since June, 1929.

Ser. No. 389,922. JOE LOWE CORPORATION, New York, N. Y. Filed Mar. 11, 1937.

CREAMSICLE

For Frozen Confections.
Claims use since Jan. 15, 1937.

Ser. No. 389,924. JOE LOWE CORPORATION, New York, N. Y. Filed Mar. 11, 1937.

SPUN-JEEZ

For Fried Cakes Made from Doughnut Flour.
Claims use since Feb. 24, 1937.

Ser. No. 390,068. HOUSTON MILLING COMPANY, Houston, Tex. Filed Mar. 15, 1937.

ENGINE



For Wheat Flour.
Claims use since Sept. 9, 1936.

Ser. No. 390,069. HOUSTON MILLING COMPANY, Houston, Tex. Filed Mar. 15, 1937.

DOUGHRITE

For Wheat Flour.
Claims use since Jan. 11, 1937.

Ser. No. 390,084. ROBERT M. PEEK, doing business as Peek Bros. & Columbia Flour Company, Little Rock, Ark. Filed Mar. 15, 1937.

LINEN FINISH

For Wheat Flour.
Claims use since Feb. 11, 1937.

Ser. No. 390,092. ARTHUR SERRA & COMPANY, Chicago, Ill. Filed Mar. 15, 1937.

CUBAN BEAUTY

For Canned Pineapple.
Claims use since Feb. 27, 1937.

Ser. No. 390,094. "NAROK"-KAFFEE-VERSANDGESCHAEFT, Zurich, Switzerland. Filed Mar. 15, 1937.

Narok

For Coffee.
Claims use since Mar. 22, 1934.

Ser. No. 390,137. REDLANDS FOOTHILL GROVES, Redlands, Calif. Filed Mar. 16, 1937.

REDLANDS FOOTHILL

For Fresh Citrus Fruit.
Claims use since May 2, 1927.

Ser. No. 390,229. MYRA CANDIES, INC., New York, N. Y. Filed Mar. 18, 1937.



For Candies.
Claims use since April, 1931.

Ser. No. 390,314. M. FEIGENBAUM & SONS, Pittsburgh, Pa. Filed Mar. 20, 1937.



For Frosted Fruits and Vegetables.
Claims use since Mar. 10, 1937.

Ser. No. 390,357. COLONIAL MOLASSES CO., INC., Brooklyn, N. Y. Filed Mar. 22, 1937.



For Molasses.
Claims use since October, 1924.

Ser. No. 390,412. CALIFORNIA PEA PRODUCTS, INC., Fullerton, Calif. Filed Mar. 23, 1937.

HAPPY CHOICE

For Canned Vegetables.
Claims use since Nov. 3, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 389,437. ROCHESTER BREWING COMPANY, INC., Rochester, N. Y. Filed Feb. 26, 1937.



The words "Stock Ale" and "Rochester, N. Y." are disclaimed apart from the mark.
For Ale.
Claims use since Feb. 1, 1937.

Ser. No. 389,805. JOHN F. TROMMER, INCORPORATED, Brooklyn, N. Y. Filed Mar. 8, 1937.



The portrait is fanciful.
For Ale.
Claims use since Jan. 1, 1937.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 386,660. RARITAN DISTILLERS CORP., Perth Amboy, N. J. Filed Dec. 11, 1936.

Old Gauger

For Whiskey.
Claims use since Sept. 29, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 386,142. ABERCROMBIE & FITCH COMPANY, New York, N. Y. Filed Dec. 1, 1936.



For Rubber Blankets, Tents and Ground Cloths, Statues, Statuettes, Wall Plaques, Animal Traps, Ornamented Carved Wooden Figures, and Miniature Carriage Models.
Claims use since January, 1925.

Ser. No. 389,025. HARTE & WYLE, New York, N. Y. Filed Feb. 17, 1937.

AquaSpun

The word "Spun" is disclaimed apart from the mark as shown.
For Waterproof Fabrics in the Piece.
Claims use since Dec. 2, 1935.

Ser. No. 390,039. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y. Filed Mar. 15, 1937.

FLAMEFOIL

For Flame Resistant, Waterproof Cotton Duck for Outdoor Use in Tents, Awnings, Tarpaulins, Etc.
Claims use since Mar. 1, 1937.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 18, 1937

346,048. PLASTIC WALL FINISH. AMERICAN SUN TEXTURE PRODUCTS CORPORATION, Jamaica, N. Y.
Filed November 17, 1932. Serial No. 332,215. PUBLISHED MARCH 2, 1937. Class 12.

346,049. WINES. ALMADEN VINEYARDS CORPORATION, Los Gatos, Calif.
Filed September 11, 1933. Serial No. 341,472. PUBLISHED OCTOBER 24, 1933. Class 47.

346,050. RUM. THE CALDWELL RUM DISTILLERY, INC., Newburyport, Mass.
Filed December 11, 1933. Serial No. 344,757. PUBLISHED MARCH 9, 1937. Class 49.

346,051. BUCKWHEAT AND WHEAT FLOUR. ALBERS BROS. MILLING CO., Portland, Oreg.
Filed October 31, 1934. Serial No. 357,702. PUBLISHED MARCH 9, 1937. Class 46.

346,052. MEN'S AND BOYS' OVERCOATS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed December 15, 1934. Serial No. 359,362. PUBLISHED MARCH 12, 1935. Class 39.

346,053. DRY CELLS AND BATTERIES OF DRY CELLS. BOND ELECTRIC CORPORATION, Jersey City, N. J.
Filed May 14, 1935. Serial No. 364,912. PUBLISHED MARCH 9, 1937. Class 21.

346,054. BENZINE, HEATING OIL, ILLUMINATING OIL, KEROSENE, NAPHTHA, GASOLINE AND OTHER INTERNAL COMBUSTION ENGINE FUELS, LUBRICATING OILS, TEMPERING OILS, BLACK OILS USED AS LUBRICANTS, AND LUBRICATING GREASES. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed June 17, 1935. Serial No. 366,308. PUBLISHED MARCH 2, 1937. Class 15.

346,055. LUBRICATING MOTOR OILS AND GRAPHITIC LUBRICANT TO BE INCORPORATED IN LUBRICATING MOTOR OILS. POWER SEAL CO., also doing business as Power Compression Seal Co., Los Angeles, Calif.
Filed July 1, 1935. Serial No. 366,873. PUBLISHED MARCH 9, 1937. Class 15.

346,056. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. THE LANDER CO., INC., New York, N. Y.
Filed July 16, 1935. Serial No. 367,357. PUBLISHED MARCH 9, 1937. Class 6.

346,057. RECURRENTLY ISSUED PUBLICATIONS AND PERIODICALS. CIVIC ACTIVITIES ASSOCIATION, Rockford, Ill.
Filed August 17, 1935. Serial No. 368,400. PUBLISHED MARCH 9, 1937. Class 38.

346,058. CHEMICAL REAGENTS, A GENERAL LIST OF ORGANIC AND INORGANIC CHEMICALS, BIOLOGICAL STAINS, INCLUDING VITAL STAINS AND MEDICINAL DYES, CHEMICAL INDICATORS, CHEMICAL SOLUTIONS, CHEMICAL PAPERS, DYESTUFFS, AND DYES. THE COLEMAN & BELL COMPANY, Norwood, Ohio.
Filed September 18, 1935. Serial No. 369,440. PUBLISHED MARCH 9, 1937. Class 6.

346,059. HOUSE ORGAN. STROOCK & WITTENBERG CORP., New York, N. Y.
Filed November 26, 1935. Serial No. 372,032. PUBLISHED MARCH 2, 1937. Class 38.

346,060. POWDER PUFFS. COLUMBIA PLUSH & PUFF CO., INC., Brooklyn, N. Y.
Filed November 27, 1935. Serial No. 372,046. PUBLISHED MARCH 9, 1937. Class 29.

346,061. SPOONS, KNIVES, FORKS, NUT-CRACKERS, SUGAR TONGS, CORKSCREWS, SCISSORS, AND FIXTURES OR PARTS TO BE WELDED INTO POSITION, MADE OF NON-PRECIOUS METAL. THE AMERICAN DIRIGOLD CORPORATION, Kokomo, Ind.
Filed December 3, 1935. Serial No. 372,192. PUBLISHED MARCH 9, 1937. Class 23.

346,062. FINISHED GRANITE. ROBERT HUNTER GRANITE COMPANY, Milbank, S. Dak.
Filed December 5, 1935. Serial No. 372,278. PUBLISHED MARCH 2, 1937. Class 12.

346,063. FOOT APPLIANCES. HELP FEET, INC., Cleveland, Ohio.
Filed December 7, 1935. Serial No. 372,365. PUBLISHED JANUARY 14, 1936. Class 44.

346,064. REFINED, SEMI-REFINED, AND UNREFINED OILS AND GREASES MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL SUBSTANCES FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed December 16, 1935. Serial No. 372,687. PUBLISHED MARCH 2, 1937. Class 15.

346,065. HYDROCARBON FUELS SUCH AS GASOLINE AND CHEMICALLY TREATED LUBRICATING COMPOSITIONS—NAMELY, LUBRICATING OIL AND GREASE. THE LUBRI-ZOL CORPORATION, Cleveland and Wickliffe, Ohio.
Filed December 17, 1935. Serial No. 372,728. PUBLISHED MARCH 9, 1937. Class 15.

346,066. CORSETS, BRASSIÈRES, CORSELETS, AND GIRDLES. DOMINION CORSET COMPANY LIMITED, Quebec, Quebec, Canada.
Filed December 23, 1935. Serial No. 372,966. PUBLISHED MARCH 9, 1937. Class 39.

346,067. RAILWAY REFRIGERATING CAR APPARATUS—NAMELY, ALL METAL BULKHEADS FOR A VENTILATING PARTITION BETWEEN CARGO SPACE AND ICE CHAMBER OF RAILWAY REFRIGERATOR CARS, METAL AIR CIRCULATION DUCTS FOR INCREASING AIR CIRCULATION IN SUCH ICE CHAMBERS, AND OTHER REFRIGERATOR UNITS FOR RAILWAY REFRIGERATOR CARS. EQUIPMENT SPECIALTIES COMPANY, Chicago, Ill.
Filed January 2, 1936. Serial No. 373,251. PUBLISHED MARCH 9, 1937. Class 31.

346,068. GIRLS', LADIES', AND MISSES' COATS, DRESSES, AND SUITS. MAX M. KANN & COMPANY, Chicago, Ill.
Filed January 4, 1936. Serial No. 373,341. PUBLISHED MARCH 9, 1937. Class 39.

346,069. AUTOMATIC COAL BURNERS. IRON FIREMAN MANUFACTURING COMPANY, Portland, Oreg.
Filed February 7, 1936. Serial No. 374,592. PUBLISHED MARCH 9, 1937. Class 34.

346,070. FRESH BROCCOLI, CAULIFLOWER, MUSTARD GREENS, SWEET ANISE, AND PRICKLY PEARS. SANTA CLARA VALLEY FRUIT & PRODUCE COMPANY, San Jose, Calif., assignor to San Jose Canning Company, a corporation of California.
Filed March 2, 1936. Serial No. 375,474. PUBLISHED SEPTEMBER 15, 1936. Class 46.

346,071. DENTAL INSTRUMENTS, MATERIALS, AND APPLIANCES. ASHER CHARLESTON, Philadelphia, Pa.
Filed March 27, 1936. Serial No. 376,456. PUBLISHED MARCH 2, 1937. Class 44.

346,072. FRESH DECIDUOUS FRUITS AND VEGETABLES. RICHARD J. H. FARRAR, doing business as Pupukea Farm, Maunawai Post Office, Oahu, Territory of Hawaii.
Filed March 30, 1936. Serial No. 376,578. PUBLISHED MARCH 9, 1937. Class 46.

346,073. FRESH MELONS—NAMELY, HONEYBALLS. ALBERT S. GARGIULO, Brawley, Calif.
Filed April 4, 1936. Serial No. 376,799. PUBLISHED OCTOBER 20, 1936. Class 46.

346,074. LUBRICATING GREASE. THE BATTENFELD GREASE & OIL CORP., Kansas City, Mo.
Filed May 7, 1936. Serial No. 378,125. PUBLISHED MARCH 9, 1937. Class 15.

346,075. MUSICAL INSTRUMENTS AND PARTICULARLY CONCERTINAS AND ACCORDIONS, THEIR CASINGS, FITTINGS, AND PARTS. TONK BROS. Co., Chicago, Ill.
Filed May 25, 1936. Serial No. 378,864. PUBLISHED MARCH 9, 1937. Class 36.

346,076. PRINTED DENTAL CERTIFICATE. BENJAMIN KITTREDGE, Brooklyn, N. Y.
Filed June 5, 1936. Serial No. 379,408. PUBLISHED MARCH 9, 1937. Class 38.

346,077. MEN'S NEGLIGEE SHIRTS, SHORTS, AND PAJAMAS. WAMSUTTA MILLS, New Bedford, Mass.
Filed June 12, 1936. Serial No. 379,654. PUBLISHED MARCH 2, 1937. Class 39.

346,078. WRITING, PAPETERIE, "MIMEOGRAPH", VELLUM, TEXT, BLUE-PRINT, INDEX, LEDGER, AND COVER PAPER. STRATHMORE PAPER COMPANY, West Springfield, Mass.
Filed June 13, 1936. Serial No. 379,716. PUBLISHED MARCH 9, 1937. Class 37.

346,079. WOMEN'S SHOES MADE OF LEATHER AND FABRIC. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo.
Filed June 15, 1936. Serial No. 379,754. PUBLISHED MARCH 9, 1937. Class 39.

346,080. TYPEWRITING MACHINES AND PARTS THEREOF. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y.
Filed June 25, 1936. Serial No. 380,242. PUBLISHED MARCH 9, 1937. Class 23.

346,081. WHISKEY. LORBER MERCANTILE COMPANY, Kansas City, Mo.
Filed July 6, 1936. Serial No. 380,651. PUBLISHED MARCH 9, 1937. Class 49.

346,082. ACETATE AND RAYON CREPE FABRIC. COLONIAL MILLS, INC., New York, N. Y.
Filed July 8, 1936. Serial No. 380,758. PUBLISHED AUGUST 25, 1936. Class 42.

346,083. MOLDED PARTS—NAMELY, MOLDED BOTTLE CAPS AND COMBINED BOTTLE CLOSURES AND DOSE OR "JIGGER" CUPS. ALEXANDER ANDERSON SCOTT, Knoxville, Tenn.
Filed July 16, 1936. Serial No. 381,089. PUBLISHED MARCH 9, 1937. Class 50.

346,084. MOTION PICTURE FILM FOR DEPICTING WEARING APPAREL. MARCH OF FASHION, INC., New York, N. Y.
Filed July 24, 1936. Serial No. 381,415. PUBLISHED OCTOBER 13, 1936. Class 26.

346,085. FOOT BALL TOY. ADOLPH G. ZELLE, Elkhart, Ind.
Filed July 24, 1936. Serial No. 381,440. PUBLISHED MARCH 9, 1937. Class 22.

346,086. LUBRICATING MINERAL OILS AND LUBRICATING FATS. AZIENDA ITALIANA LUBRIFICANTI CLARENTY MINERALI ORIGINALI E VEGETALI NAZIONALI, Rome, Italy.
Filed July 30, 1936. Serial No. 381,603. PUBLISHED MARCH 9, 1937. Class 15.

346,087. TWIN STUDIO COUCHES. SLEEPER PRODUCTS, INC., now by change of name Sleeper, Inc., Chicago, Ill.
Filed August 3, 1936. Serial No. 381,789. PUBLISHED MARCH 9, 1937. Class 32.

346,088. OIL BURNERS, BOILERS FOR OIL BURNING, HOT WATER HEATERS FOR OIL BURNING, ETC. MAY OIL BURNER CORPORATION, Baltimore, Md.
Filed August 5, 1936. Serial No. 381,844. PUBLISHED SEPTEMBER 29, 1936. Class 34.

346,089. FINISHED INTERLININGS FOR CLOTHING FOR OUTER WEAR. MAURICE L. ROTHSCHILD, INCORPORATED, Chicago, Ill.
Filed August 6, 1936. Serial No. 381,878. PUBLISHED MARCH 9, 1937. Class 39.

346,090. FOUNTAIN PENS, INKWELLS, AND DESK SETS. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J.
Filed August 10, 1936. Serial No. 381,978. PUBLISHED MARCH 9, 1937. Class 37.

346,091. LADIES' AND MISSES' FUR COATS. BOGOS & BUHL, Pittsburgh, Pa.
Filed August 11, 1936. Serial No. 382,033. PUBLISHED MARCH 2, 1937. Class 39.

346,092. SILK SLIPS. SUPERIOR PETTICOAT COMPANY, INC., New York, N. Y.
Filed August 20, 1936. Serial No. 382,400. PUBLISHED OCTOBER 27, 1936. Class 39.

346,093. CANNED FOOD PRODUCTS—NAMELY, CANNED TOMATO PASTE. MANTECA CANNING COMPANY, Manteca, Calif.
Filed August 22, 1936. Serial No. 382,483. PUBLISHED MARCH 9, 1937. Class 46.

346,094. TAPESTRY WOOLS AND NATURAL WOOL YARNS. C. R. MEISSNER CO., INC., New York, N. Y.
Filed August 29, 1936. Serial No. 382,722. PUBLISHED JANUARY 12, 1937. Class 43.

346,095. LENSES OF THE DISPERSING AND CONDENSING TYPE AS USED IN THE MOVING PICTURE INDUSTRY, RAILWAYS, MARINE, IN THE APPLICATION OF TELEVISION, AND IN THE AUTOMOTIVE INDUSTRY, AND GLASS REFLECTORS INCLUDING PARABOLIC AND SPHERICAL, ETC. MATISSE BROS. INC., New York, N. Y.
Filed September 10, 1936. Serial No. 383,098. PUBLISHED MARCH 9, 1937. Class 26.

346,096. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. NARRAGANSETT BREWING COMPANY, Cranston, R. I.
Filed September 10, 1936. Serial No. 383,100. PUBLISHED MARCH 9, 1937. Class 48.

346,097. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. NARRAGANSETT BREWING COMPANY, Cranston, R. I.
Filed September 12, 1936. Serial No. 383,175. PUBLISHED MARCH 9, 1937. Class 48.

346,098. MOTION PICTURE FILM FOR DEPICTING WEARING APPAREL. MARCH OF FASHION, INC., New York, N. Y.
Filed September 15, 1936. Serial No. 383,269. PUBLISHED DECEMBER 22, 1936. Class 26.

346,099. PERFUMES. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed September 17, 1936. Serial No. 383,342. PUBLISHED MARCH 9, 1937. Class 6.

346,100. HAIR TONIC. HARRY RYBERG, Palo Alto, Calif.
Filed September 19, 1936. Serial No. 383,450. PUBLISHED MARCH 2, 1937. Class 6.

346,101. FOOTBALLS, FOOTBALL SHOULDER PADS, BOXING GLOVES, SOCCER BALLS, STRIKING BAGS, TOY VELOCIPEDES, BASEBALL BATS, BADMINTON RACQUETS, ICE SKATES WITH SHOES ATTACHED, AND HOCKEY STICKS. EDW. K. TRYON COMPANY, Philadelphia, Pa.
Filed September 21, 1936. Serial No. 383,494. PUBLISHED MARCH 9, 1937. Class 22.

346,102. GRANULAR MINERAL MATERIAL FOR PURIFYING WATER OF TASTES AND ODORS. C. F. BURGESS LABORATORIES, INC., Chicago, Ill.
Filed September 24, 1936. Serial No. 383,569. PUBLISHED MARCH 9, 1937. Class 31.

346,103. SYNTHETIC RESINOUS MATERIAL. SHAWINIGAN PRODUCTS CORPORATION, New York, N. Y.
Filed September 25, 1936. Serial No. 383,651. PUBLISHED MARCH 9, 1937. Class 1.

346,104. BREAD. FEHR BAKING COMPANY OF BEAUMONT, Beaumont, Tex.
Filed September 30, 1936. Serial No. 383,803. PUBLISHED MARCH 9, 1937. Class 46.

346,105. ROLLER AND BALL BEARINGS. ROULEMENTS À BILLES MINIATURES S. A., Bienne, Switzerland.
Filed September 30, 1936. Serial No. 383,821. PUBLISHED MARCH 9, 1937. Class 23.

346,106. ROLLER AND BALL BEARINGS. ROULEMENTS À BILLES MINIATURES S. A., Bienne, Switzerland.
Filed September 30, 1936. Serial No. 383,822. PUBLISHED MARCH 9, 1937. Class 23.

346,107. FRESH CITRUS FRUIT. EDISON ORANGE GROWERS ASSOCIATION, San Francisco and Edison, Calif.
Filed October 2, 1936. Serial No. 383,878. PUBLISHED MARCH 9, 1937. Class 46.

346,108. MAGAZINE DEVOTED TO ALL MATTERS OF HEALTH TO BE PUBLISHED FROM TIME TO TIME. JOSEPH FRANKLIN MONTAGUE, New York, N. Y.
Filed October 8, 1936. Serial No. 384,180. PUBLISHED MARCH 2, 1937. Class 38.

346,109. FOOTWEAR, SUCH AS MEN'S, WOMEN'S, AND CHILDREN'S SHOES AND SLIPPERS OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS OF THOSE MATERIALS. PAUL O. KUEHN, South Bend, Ind.
Filed October 12, 1936. Serial No. 384,261. PUBLISHED MARCH 9, 1937. Class 39.

346,110. A CARD GAME, BASE BALLS, BALL BATS, BASE BALL GLOVES AND MITTS, EXERCISE BALLS, FOOT BALLS, BEACH BALLS, AND PUNCHING BAGS. THE NINA WORTH COMPANY, also doing business as The "Nina Worth Knok-Knok" Products, Los Angeles, Calif.
Filed October 12, 1936. Serial No. 384,280. PUBLISHED MARCH 9, 1937. Class 22.

346,111. PIECE GOODS MADE OF RAYON AND SYNTHETIC YARNS. S. J. ARONSOHN, INC., New York, N. Y.
Filed October 14, 1936. Serial No. 384,314. PUBLISHED MARCH 9, 1937. Class 42.

346112. ELECTRICAL PERMANENT WAVING HEATERS, ELECTRICAL HAIR WAVING APPARATUS—NAMELY, MACHINES, SUPPORTS, AND STANDS, PARTS, AND EQUIPMENT THEREFOR, CHEMICALLY TREATED PADS AND FLANNELS FOR USE UPON THE HAIR. THE REALISTIC PERMANENT WAVE MACHINE CO., Cincinnati, Ohio.
Filed October 15, 1936. Serial No. 384,391. PUBLISHED MARCH 2, 1937. Class 44.

346,113. LADIES' HATS. FRUHAUF & MUSYL, INC., Carlstadt, N. J.
Filed October 17, 1936. Serial No. 384,456. PUBLISHED MARCH 9, 1937. Class 39.

346,114. COSMETIC CONTAINERS MADE OF PLASTIC MOLDING MATERIAL—NAMELY, POWDER BOXES, ROUGE BOXES, CREAM JARS, AND LIPSTICK HOLDERS. UNIVERSAL PLASTICS CORPORATION, New Brunswick, N. J.
Filed October 17, 1936. Serial No. 384,486. PUBLISHED MARCH 9, 1937. Class 2.

346,115. BAKING POWDER, JELLIES, JAMS, SUGAR, MOLASSES, HONEY, CHOCOLATE, COCOANUT, MILK POWDER, NUTS, CANNED FRUITS, ETC. CHARLES H. WISSEMANN & CO. INC., Richmond Hill, N. Y.
Filed October 22, 1936. Serial No. 384,683. PUBLISHED MARCH 2, 1937. Class 46.

346,116. MEN'S AND BOYS' HATS AND CAPS AND LADIES' HATS. THE LA SALLE HAT COMPANY, Philadelphia, Pa.
Filed October 27, 1936. Serial No. 384,854. PUBLISHED MARCH 9, 1937. Class 39.

346,117. WOMEN'S AND MISSES' DRESSES AND FROCKS OF ALL KINDS, CHARACTER, AND DESCRIPTION. LYTTLE BROS. INC., New York, N. Y.
Filed October 29, 1936. Serial No. 384,927. PUBLISHED MARCH 2, 1937. Class 39.

346,118. MEN'S SUITS, TOP COATS, AND OVERCOATS. HANNAH BELLE, New York, N. Y.
Filed October 30, 1936. Serial No. 385,119. PUBLISHED MARCH 2, 1937. Class 39.

346,119. PORTLAND CEMENT. SOCIETÀ ANONIMA COMMERCIO CEMENTI PORTLAND, Trieste, Italy.
Filed November 4, 1936. Serial No. 385,156. PUBLISHED MARCH 9, 1937. Class 12.

346,120. PORTLAND CEMENT. SOCIETÀ ANONIMA COMMERCIO CEMENTI PORTLAND, Trieste, Italy.
Filed November 4, 1936. Serial No. 385,157. PUBLISHED MARCH 9, 1937. Class 12.

346,121. ARTIFICIAL TEETH. UNIVERSAL DENTAL COMPANY, Philadelphia, Pa.
Filed November 4, 1936. Serial No. 385,162. PUBLISHED MARCH 9, 1937. Class 44.

346,122. AUTOMOTIVE LUBRICATION AND ACCESSORY EQUIPMENT INFORMATION IN CHART AND PAMPHLET FORM PUBLISHED AT INTERVALS. THE CHEK-CHART CORPORATION, Chicago, Ill.
Filed November 6, 1936. Serial No. 385,213. PUBLISHED MARCH 2, 1937. Class 38.

346,123. PERIODICAL. JOE GODFREY, Jr., Chicago, Ill.
Filed November 6, 1936. Serial No. 385,224. PUBLISHED MARCH 9, 1937. Class 38.

346,124. EDIBLE JELLING COMPOSITION IN GRANULAR FORM COMPOSED ENTIRELY OF VEGETABLE INGREDIENTS FOR MAKING DESSERTS. REBECCA MARGOLIS, doing business as Margolis Kosher Products Co., Boston, Mass.
Filed November 7, 1936. Serial No. 385,265. PUBLISHED MARCH 9, 1937. Class 46.

346,125. ELECTRICAL HAIR DRYERS. J. P. FISCHER, INC., New York, N. Y.
Filed November 9, 1936. Serial No. 385,286. PUBLISHED MARCH 2, 1937. Class 44.

346,126. VARIOUS CHEMICALS, DRUGS, PHARMACEUTICALS, THERAPEUTIC DIETARY SUPPLEMENTS, ANTISEPTICS, GERMICIDES, AND BIOLOGICAL AND BACTERIAL PRODUCTS, FOR BOTH HUMAN AND VETERINARY USE, ETC. ABBOTT LABORATORIES, North Chicago, Ill.
Filed November 10, 1936. Serial No. 385,331. PUBLISHED MARCH 9, 1937. Class 6.

346,127. FACE POWDERS; CREAMS—NAMELY, FACE, HAND, FOUNDATION, AND VANISHING CREAMS; LOTIONS—NAMELY. ASTRINGENTS, SKIN, FACE, AND HAND LOTION, SKIN BALM, AND SKIN TONICS, ROUGES, LIPSTICK; HAIR PREPARATIONS—NAMELY, HAIR OILS, SHAMPOOS, BRILLIANTINE, HAIR TONIC, HAIR POMADE, AND WAVE SET; PERFUMES, TOILET WATERS, ETC. THE BENJAMIN ANSEHL COMPANY, St. Louis, Mo.
Filed November 11, 1936. Serial No. 385,387. PUBLISHED MARCH 9, 1937. Class 6.

346,128. WOOLEN TEXTILE FABRICS (PIECE GOODS). THE HOPEVILLE MANUFACTURING COMPANY, INC., Worcester, Mass.
Filed November 11, 1936. Serial No. 385,405. PUBLISHED MARCH 9, 1937. Class 42.

346,129. MOTOR LUBRICATING OIL AND LIQUID LUBRICANTS OTHER THAN THOSE USED FOR BEARINGS AND TRANSMISSIONS. OIL SERVICE, INCORPORATED, Warren, Pa.
Filed November 11, 1936. Serial No. 385,424. PUBLISHED MARCH 9, 1937. Class 15.

346,130. BAKERS' REFRIGERATORS. SHERER-GILLETT COMPANY, Marshall, Mich.
Filed November 12, 1936. Serial No. 385,452. PUBLISHED MARCH 9, 1937. Class 31.

346,131. SILICATE OF SODA EITHER ANHYDROUS, HYDRATED, OR IN SOLUTION, (EITHER WITH OR WITHOUT MINOR QUANTITIES OF ADMIXED MINERAL INGREDIENTS) USED IN THE WELL DRILLING INDUSTRY TO IMPART TO DRILLING MUDS THE ABILITY TO MAKE CONTACT WITH THE SO-CALLED HEAVING SHALE WITHOUT DISINTEGRATING. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed November 13, 1936. Serial No. 385,491. PUBLISHED MARCH 9, 1937. Class 6.

346,132. WRAPPING PAPER. DETROIT SULPHITE PULP & PAPER CO., Detroit, Mich.
Filed November 16, 1936. Serial No. 385,566. PUBLISHED MARCH 9, 1937. Class 37.

346,133. ARTIFICIAL TEETH. THE DENTISTS' SUPPLY COMPANY OF NEW YORK, New York, N. Y.
Filed November 17, 1936. Serial No. 385,626. PUBLISHED MARCH 2, 1937. Class 44.

346,134. WHISKIES. COLLEGE INN FOOD PRODUCTS COMPANY, Chicago, Ill.
Filed November 19, 1936. Serial No. 385,723. PUBLISHED MARCH 9, 1937. Class 49.

346,135. PREPARATION FOR TREATING SKIN DISEASES AND SKIN INFECTIONS. ITCH-O-CIDE CHEMICAL COMPANY, Oklahoma City, Okla.
Filed November 19, 1936. Serial No. 385,734. PUBLISHED MARCH 9, 1937. Class 6.

346,136. ASBESTOS BOARDS, ASBESTOS SHEETS, ASBESTOS LUMBER, AND ASBESTOS BUILDING MATERIALS IN FLAT AND SHEET FORM. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed November 20, 1936. Serial No. 385,793. PUBLISHED MARCH 2, 1937. Class 12.

346,137. LIME, GYPSUM, AND FOR BAUXITE RESIDUES USED AS CEMENT-MANUFACTURING INGREDIENTS, CEMENT-FORMING CORRECTIVES, AND HEAT INSULATORS. ALUMINUM ORE COMPANY, Pittsburgh, Pa.
Filed November 21, 1936. Serial No. 385,820. PUBLISHED MARCH 9, 1937. Class 12.

346,138. BOOKS IN THE NATURE OF DIRECTORIES PUBLISHED ANNUALLY. HENRY P. RANDALL, Birmingham, Ala.
Filed November 23, 1936. Serial No. 385,899. PUBLISHED MARCH 9, 1937. Class 38.

346,139. PREPARATION USED IN THE TREATMENT OF LUNG AND THROAT TROUBLES, AS A BODY-BUILDER AND NUTRITIVE BLOOD AND NERVE TONIC. CARLETON AND HOVEY COMPANY, Lowell, Mass.
Filed November 24, 1936. Serial No. 385,924. PUBLISHED MARCH 9, 1937. Class 6.

346,140. QUICK ACTING CEMENT FOR LAYING SHOE SOLES. PYRROLE PRODUCTS CORPORATION, Portsmouth, Ohio.
Filed November 24, 1936. Serial No. 385,939. PUBLISHED MARCH 9, 1937. Class 5.

346,141. MEN'S AND BOYS' HATS AND CAPS. THE LA SALLE HAT COMPANY, Philadelphia, Pa.
Filed November 27, 1936. Serial No. 386,037. PUBLISHED MARCH 9, 1937. Class 39.

346,142. CARTOONS. ED REED, Des Moines, Iowa.
Filed November 27, 1936. Serial No. 386,047. PUBLISHED MARCH 2, 1937. Class 38.

346,143. WRITING TABLETS, COMPOSITION BOOKS, AND NOTE-BOOKS. WHITE & WYCKOFF MFG. COMPANY, Holyoke, Mass.
Filed November 27, 1936. Serial No. 386,058. PUBLISHED MARCH 9, 1937. Class 37.

346,144. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. MAX KLEINFELD, doing business as The Kay Shoe Co., New York, N. Y.
Filed November 30, 1936. Serial No. 386,116. PUBLISHED MARCH 9, 1937. Class 39.

346,145. ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, BLEACH CREAMS, COLD CREAMS, ETC. HENRI S. GOMPES, New York, N. Y.
Filed December 1, 1936. Serial No. 386,158. PUBLISHED MARCH 9, 1937. Class 6.

346,146. HEALING SALVE. JAMES B. SAMPLEY, Amarillo, Tex.
Filed December 1, 1936. Serial No. 386,173. PUBLISHED MARCH 9, 1937. Class 6.

346,147. WOMEN'S AND MISSES' COATS AND SUITS. PHILIP SCHLANSKY & BRO., INC., New York, N. Y.
Filed December 1, 1936. Serial No. 386,174. PUBLISHED MARCH 2, 1937. Class 39.

346,148. PREPARATION FOR THE TREATMENT OF PILES. CHARLES E. SIMS, doing business as Pi-Sim-O Laboratories, Greenville, S. C.
Filed December 1, 1936. Serial No. 386,176. PUBLISHED MARCH 9, 1937. Class 6.

346,149. SLIPPERS OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS THEREOF, FOR MEN, WOMEN, AND CHILDREN. COMMONWEALTH SHOE & LEATHER COMPANY, Whitman, Mass.
Filed December 3, 1936. Serial No. 386,246. PUBLISHED FEBRUARY 23, 1937. Class 39.

346,150. MEN'S AND BOYS' OUTER SUITS AND OVERCOATS. ROGERS PEET COMPANY, New York, N. Y.
Filed December 3, 1936. Serial No. 386,271. PUBLISHED MARCH 2, 1937. Class 39.

346,151. MEN'S AND BOYS' OUTER SUITS AND OVERCOATS. ROGERS PEET COMPANY, New York, N. Y.
Filed December 3, 1936. Serial No. 386,272. PUBLISHED MARCH 2, 1937. Class 39.

346,152. LADIES' AND MISSES' SHOES MADE OF LEATHER OR OF FABRIC, OR OF COMBINATIONS OF LEATHER AND FABRIC. SCRUGGS-VANDERVOORT-BARNEY DRY GOODS COMPANY, St. Louis, Mo.
Filed December 3, 1936. Serial No. 386,275. PUBLISHED MARCH 9, 1937. Class 39.

346,153. BOYS' AND YOUNG MEN'S TROUSERS, SHORTS, KNICKERS, AND SUITS. MAX MATUSOW, doing business as The Matusow Mfg. Co., Philadelphia, Pa.
Filed December 4, 1936. Serial No. 386,312. PUBLISHED MARCH 2, 1937. Class 39.

346,154. WATERPROOF AND WEATHERPROOFING COMPOSITIONS—NAMELY, CEMENTITIOUS MATERIALS ADAPTED FOR USE IN CONNECTION WITH WATERPROOFING AND WEATHERPROOFING BUILDING STRUCTURES. WESTERN WATERPROOFING COMPANY, Detroit, Mich.
Filed December 5, 1936. Serial No. 386,387. PUBLISHED MARCH 9, 1937. Class 12.

346,155. FRESH AND CANNED CITRUS FRUITS. KING CITRUS FRUIT CORPORATION, Tampa, Fla.
Filed December 7, 1936. Serial No. 386,433. PUBLISHED MARCH 2, 1937. Class 46.

346,156. DENTURES, DENTAL SUPPLIES—NAMELY, PORCELAIN JACKET CROWNS, PORCELAIN BRIDGES, PORCELAIN INLAYS, ALL TYPES OF DENTAL GOLD-WORK, DENTAL RUBBER-WORK, DENTAL PORCELAIN WORK, AND DENTAL STAIN. NU-DENT PORCELAIN STUDIO INC., New York, N. Y.
Filed December 7, 1936. Serial No. 386,441. PUBLISHED MARCH 2, 1937. Class 44.

346,157. PICKLES, PEANUT BUTTER, PICKLE RELISH, AND TABLE SYRUP. RODDENBERY BROTHERS, Cairo, Ga.
Filed December 7, 1936. Serial No. 386,448. PUBLISHED MARCH 9, 1937. Class 46.

346,158. PICKLES AND PICKLE RELISH. W. B. RODDENBERY CO., Cairo, Ga.
Filed December 7, 1936. Serial No. 386,450. PUBLISHED MARCH 9, 1937. Class 46.

346,159. PAPER CONTAINERS—NAMELY, PAPER CANS AND PAPER VESSELS OF ANALOGOUS CHARACTER. CHAMPION CONTAINER COMPANY, Philadelphia, Pa.
Filed December 8, 1936. Serial No. 386,481. PUBLISHED MARCH 9, 1937. Class 2.

346,160. RUBBER-COVERED ROLLS FOR MACHINERY. STOWE-WOODWARD, INC., Newton Upper Falls, Mass.
Filed December 8, 1936. Serial No. 386,506. PUBLISHED MARCH 9, 1937. Class 23.

346,161. PIECE GOODS OF CREPE, COTTON, SILK, RAYON, ACETATE, AND LINEN. THE EMPORIUM, San Francisco, Calif.
Filed December 9, 1936. Serial No. 386,535. PUBLISHED MARCH 9, 1937. Class 42.

346,162. TRANSPARENT, COLORED OR UNCOLORED, SLIGHTLY EXTENSIBLE FILM, SHEET OR STRIP, COMPOSED ENTIRELY OR LARGELY OF A RUBBER DERIVATIVE FOR WRAPPING, PACKAGING, AND COVERING. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed December 9, 1936. Serial No. 386,540. PUBLISHED MARCH 9, 1937. Class 50.

346,163. ABRADING, GRINDING, AND LAPPING MACHINES, SUCH AS CAMSHAFT LAPPING MACHINES. NORTON COMPANY, Worcester, Mass.
Filed December 9, 1936. Serial No. 386,553. PUBLISHED MARCH 9, 1937. Class 23.

346,164. LADIES' SILK HOSIERY. ADOLPH BERGER, doing business as Silk Hosiery Nite, New York, N. Y.
Filed December 10, 1936. Serial No. 386,577. PUBLISHED MARCH 9, 1937. Class 39.

346,165. COCOA, COFFEE, CANNED MILK, CANNED CODFISH CAKES, CANNED DOG FOOD, AND CANNED FRUITS AND VEGETABLES INCLUDING PEACHES, PINEAPPLE, FRUIT COCKTAIL, CORN, PEAS, STRING BEANS, SPINACH, LIMA BEANS, TOMATO JUICE. D. C. UNIT OF NATION-WIDE SERVICE GROCERS, INC., Washington, D. C.
Filed December 10, 1936. Serial No. 386,580. PUBLISHED MARCH 9, 1937. Class 46.

346,166. PERIODICAL. SIMMONS-BOARDMAN PUBLISHING CORPORATION, New York, N. Y.
Filed December 10, 1936. Serial No. 386,603. PUBLISHED MARCH 2, 1937. Class 38.

346,167. FUR COATS, FUR SCARFS, AND FUR NECK PIECES. GEORGE J. BARUCH, INC., New York, N. Y.
Filed December 11, 1936. Serial No. 386,628. PUBLISHED MARCH 2, 1937. Class 39.

346,168. MOTOR LUBRICATING OILS AND LUBRICATING GREASES. REFINERS TO DEALERS, INC., Lockport, N. Y.
Filed December 11, 1936. Serial No. 386,661. PUBLISHED MARCH 9, 1937. Class 15.

346,169. MAGAZINES PUBLISHED EVERY MONTH. POPULAR MAGAZINES, INC., Greenwich, Conn.
Filed December 12, 1936. Serial No. 386,691. PUBLISHED MARCH 9, 1937. Class 38.

346,170. MAGAZINES PUBLISHED EVERY MONTH. POPULAR MAGAZINES, INC., Greenwich, Conn.
Filed December 12, 1936. Serial No. 386,692. PUBLISHED MARCH 9, 1937. Class 38.

346,171. MAGAZINES PUBLISHED EVERY MONTH. POPULAR MAGAZINES, INC., Greenwich, Conn.
Filed December 12, 1936. Serial No. 386,693. PUBLISHED MARCH 9, 1937. Class 38.

346,172. CHEMICAL BLEACHING PREPARATIONS, SPOT AND STAIN REMOVERS, AND STRIPPING PREPARATIONS (THE CHEMICAL HAS ENJOYED WIDE USAGE, PARTICULARLY IN THE LAUNDRY AND DRY CLEANING INDUSTRY AS A BLEACH, SPOT AND STAIN REMOVER, AND STRIPPING AGENT). EATON-CLARK COMPANY, Detroit, Mich.
Filed December 14, 1936. Serial No. 386,726. PUBLISHED MARCH 9, 1937. Class 6.

346,173. PLASTIC WALL COATINGS. I. F. LAUCKS, INC., Seattle, Wash.
Filed December 14, 1936. Serial No. 386,735. PUBLISHED MARCH 9, 1937. Class 12.

346,174. HYDROCOLLOID MATERIAL FOR DENTAL PURPOSES. GEORGE D. ZIELINSKI, doing business as Novo Dental Products Co., Chicago, Ill.
Filed December 14, 1936. Serial No. 386,754. PUBLISHED MARCH 2, 1937. Class 44.

346,175. COAL AND COKE. V. MCDANIEL FUEL CO., Kansas City, Mo.
Filed December 15, 1936. Serial No. 386,766. PUBLISHED MARCH 9, 1937. Class 1.

346,176. MAGAZINE PUBLISHED MONTHLY. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y.
Filed December 15, 1936. Serial No. 386,767. PUBLISHED MARCH 9, 1937. Class 38.

346,177. WOVEN FABRICS IN THE PIECE, INCLUDING RAYON FABRICS, RAYON AND ACETATE FABRICS, RAYON AND COTTON FABRICS, ACETATE AND COTTON FABRICS, RAYON, WOOL, AND COTTON FABRICS, AND ACETATE, WOOL, AND COTTON FABRICS. E. S. FRENEAU & COMPANY, New York, N. Y.
Filed December 15, 1936. Serial No. 386,772. PUBLISHED MARCH 9, 1937. Class 42.

346,178. ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, BLEACH CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. PFALTZ & BAUER, INC., New York, N. Y.
Filed December 15, 1936. Serial No. 386,775. PUBLISHED MARCH 9, 1937. Class 6.

346,179. ALL KINDS OF CHEESE. P. & S. PLUM LTD., Copenhagen, Denmark.
Filed December 15, 1936. Serial No. 386,776. PUBLISHED MARCH 9, 1937. Class 46.

346,180. FROZEN CONFECTIONS. ESKIMO PIE CORPORATION, Brooklyn, N. Y.
Filed December 16, 1936. Serial No. 386,796. PUBLISHED MARCH 9, 1937. Class 46.

346,181. COVERALLS. HARRY LANG, River Falls, Wis.
Filed December 16, 1936. Serial No. 386,807. PUBLISHED MARCH 9, 1937. Class 39.

346,182. LADIES' UNDERWEAR, INCLUDING SLIPS. JULIUS KAYSER & Co., New York, N. Y.
Filed December 17, 1936. Serial No. 386,862. PUBLISHED MARCH 9, 1937. Class 39.

346,183. CANNED FRUITS AND VEGETABLES. HERBERT J. SCHUETTE, doing business as Finer Flavor Foods Company, Santa Monica, Calif.
Filed December 17, 1936. Serial No. 386,872. PUBLISHED MARCH 9, 1937. Class 46.

346,184. SMOKERS' PIPES. ELMER H. SCHWARZ, doing business as Arch Draft Pipe Co., Detroit, Mich.
Filed December 17, 1936. Serial No. 386,873. PUBLISHED MARCH 9, 1937. Class 8.

346,185. BOARD GAME PLAYED WITH MOVABLE PIECES. LUCILLE E. WEBB, Cleveland, Ohio.
Filed December 18, 1936. Serial No. 386,918. PUBLISHED MARCH 9, 1937. Class 22.

346,186. CANNED SALADS. IVANHOE FOODS, INC., Auburn, N. Y.
Filed December 19, 1936. Serial No. 386,948. PUBLISHED MARCH 9, 1937. Class 46.

346,187. LITHOGRAPHIC CRAYONS, LITHOGRAPHIC CRAYON PAPER PENCILS, METAL MARKING CRAYONS, AND UNIVERSAL CRAYON PAPER PENCILS. WM. KORN, INC., New York, N. Y.
Filed December 19, 1936. Serial No. 386,951. PUBLISHED MARCH 9, 1937. Class 37.

346,188. TWEED PIECE GOODS. MAX LEVINE & Co., New York, N. Y.
Filed December 19, 1936. Serial No. 386,954. PUBLISHED MARCH 9, 1937. Class 42.

346,189. HATS, AND PARTICULARLY LADIES' HATS. SAM-WAY HAT CO. INC., New York, N. Y.
Filed December 19, 1936. Serial No. 386,964. PUBLISHED MARCH 2, 1937. Class 39.

346,190. LAUNDRY WASHING MACHINES. AUTOMATIC WASHER COMPANY, Newton, Iowa.
Filed December 21, 1936. Serial No. 386,975. PUBLISHED MARCH 9, 1937. Class 24.

346,191. LEATHER. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del.
Filed December 21, 1936. Serial No. 386,976. PUBLISHED MARCH 9, 1937. Class 1.

346,192. ELECTRIC PERMANENT HAIR WAVING AND HAIR DRYING MACHINES. C. & W. MANUFACTURING Co., Chicago, Ill.
Filed December 21, 1936. Serial No. 386,982. PUBLISHED MARCH 2, 1937. Class 44.

346,193. FERTILIZERS. BERTHA S. JOHNSON, doing business as Montrose Chemical Co., Lowell, Mass.
Filed December 21, 1936. Serial No. 386,997. PUBLISHED MARCH 9, 1937. Class 10.

346,194. COATING MATERIALS SUCH AS PAINT, ENAMELS, LACQUERS, OR THE LIKE, TO BE APPLIED TO SURFACES FOR PROTECTIVE PURPOSES, ETC. LITHGOW CORPORATION, Chicago, Ill.
Filed December 21, 1936. Serial No. 386,999. PUBLISHED MARCH 9, 1937. Class 16.

346,195. WHISKEY AND GIN. THE OVERBROOK COMPANY, INC., Baltimore, Md.
Filed December 21, 1936. Serial No. 387,005. PUBLISHED MARCH 9, 1937. Class 49.

346,196. WHISKEY. IRVING B. HORN, doing business as The Horn Company, Baltimore, Md.
Filed December 21, 1936. Serial No. 387,015. PUBLISHED MARCH 9, 1937. Class 49.

346,197. WOMEN'S AND MISSES' BLOUSES, DRESSES, AND CULOTTES AND SKIRTS, ETC. WILLIAMSBRIDGE MILLS, INC., New York, N. Y.
Filed December 22, 1936. Serial No. 387,017. PUBLISHED MARCH 2, 1937. Class 39.

346,198. WATCHES AND CLOCKS AND PARTS THEREOF. E. MATHEY-TISSOT ET CO., Les Ponts de Martel, Neuchatel, Switzerland.
Filed December 22, 1936. Serial No. 387,044. PUBLISHED MARCH 9, 1937. Class 27.

346,199. PREPARATION FOR RELIEF OF HEADACHES AND MINOR ACHES AND PAINS. MEDICOLATE MFG. COMPANY, Philadelphia, Pa.
Filed December 22, 1936. Serial No. 387,045. PUBLISHED MARCH 9, 1937. Class 6.

346,200. MEN'S TROUSERS. SOUTHERN CLOTHING MFGR'S., INC., Tampa, Fla.
Filed December 22, 1936. Serial No. 387,051. PUBLISHED MARCH 9, 1937. Class 39.

346,201. MEN'S COATS, VESTS, TROUSERS, AND OVERCOATS. KAHN TAILORING COMPANY, Indianapolis, Ind.
Filed December 23, 1936. Serial No. 387,073. PUBLISHED MARCH 2, 1937. Class 39.

346,202. FURNITURE CASTERS. THE BASSICK COMPANY, Bridgeport, Conn.
Filed December 24, 1936. Serial No. 387,103. PUBLISHED MARCH 9, 1937. Class 13.

346,203. FURNITURE CASTERS AND SLIDES, METAL DRAWER PULLS AND KNOBS, KEYHOLE ESCUTCHEONS, TOILET SCREWS, COAT AND HAT HOOKS, ETC. THE BASSICK COMPANY, Bridgeport, Conn.
Filed December 24, 1936. Serial No. 387,105. PUBLISHED MARCH 9, 1937. Class 13.

346,204. FURNITURE CASTERS. THE BASSICK COMPANY, Bridgeport, Conn.
Filed December 24, 1936. Serial No. 387,106. PUBLISHED MARCH 9, 1937. Class 13.

346,205. FURNITURE CASTERS. THE BASSICK COMPANY, Bridgeport, Conn.
Filed December 24, 1936. Serial No. 387,107. PUBLISHED MARCH 9, 1937. Class 13.

346,206. FURNITURE CASTERS. THE BASSICK COMPANY, Bridgeport, Conn.
Filed December 24, 1936. Serial No. 387,108. PUBLISHED MARCH 9, 1937. Class 13.

346,207. FURNITURE CASTERS. THE BASSICK COMPANY, Bridgeport, Conn.
Filed December 24, 1936. Serial No. 387,109. PUBLISHED MARCH 9, 1937. Class 13.

346,208. FURNITURE CASTERS. THE BASSICK COMPANY, Bridgeport, Conn.
Filed December 24, 1936. Serial No. 387,110. PUBLISHED MARCH 9, 1937. Class 13.

346,209. FURNITURE CASTERS. THE BASSICK COMPANY, Bridgeport, Conn.
Filed December 24, 1936. Serial No. 387,111. PUBLISHED MARCH 9, 1937. Class 13.

346,210. CHAIR HARDWARE—NAMELY, TILTING CHAIR IRONS. THE BASSICK COMPANY, Bridgeport, Conn.
Filed December 24, 1936. Serial No. 387,112. PUBLISHED MARCH 9, 1937. Class 13.

346,211. DENTAL IMPRESSION PASTE. KELLY-BURROUGHS LABORATORY INC., Chicago, Ill.
Filed December 24, 1936. Serial No. 387,132. PUBLISHED MARCH 2, 1937. Class 44.

346,212. MEN'S AND BOYS' SUITS. KING CLOTHING COMPANY, Flint, Mich.
Filed December 24, 1936. Serial No. 387,133. PUBLISHED MARCH 2, 1937. Class 39.

346,213. REAGENTS, REAGENT MIXTURES, OXYGEN-CONTAINING HYDROCARBONS, FUSEL OIL, FOR USE IN CARBURIZATION AND PREVENTION OF DECARBURIZATION OF FERROUS METALS, STEELS, AND ALLOYS. LEEDS & NORTHRUP COMPANY, Philadelphia, Pa.
Filed December 24, 1936. Serial No. 387,136. PUBLISHED MARCH 9, 1937. Class 6.

346,214. PERIODICALS. LEIGH MITCHELL HODGES, Philadelphia, Pa.
Filed December 29, 1936. Serial No. 387,157. PUBLISHED MARCH 9, 1937. Class 38.

346,215. MEN'S CLOTHING—NAMELY, SUITS, TOPCOATS, AND OVERCOATS. CHAS. GLANZROCK & Co., New York, N. Y.
Filed December 24, 1936. Serial No. 387,158. PUBLISHED MARCH 2, 1937. Class 39.

346,216. PERIODICAL PUBLISHED MONTHLY. BEAUTY DIGEST CORPORATION, New York, N. Y.
Filed December 28, 1936. Serial No. 387,165. PUBLISHED MARCH 9, 1937. Class 38.

346,217. PHARMACEUTICAL PREPARATION USED AS A GENERAL TONIC IN SYRUP AND LOZENGE FORM. LHOPITALLIER & CIE. (ANCIENNE MAISON AUGENDRE), Paris, France.
Filed December 28, 1936. Serial No. 387,193. PUBLISHED MARCH 9, 1937. Class 6.

346,218. CEMENT BASE PAINT IN POWDER FORM. SOMAY PRODUCTS, INC., Miami, Fla.
Filed December 28, 1936. Serial No. 387,219. PUBLISHED MARCH 9, 1937. Class 16.

346,219. WATER PAINT. SOMAY PRODUCTS, INC., Miami, Fla.
Filed December 28, 1936. Serial No. 387,220. PUBLISHED MARCH 9, 1937. Class 16.

346,220. BOOK, COVER, AND PRINTING PAPERS. STRATHMORE PAPER COMPANY, West Springfield, Mass.
Filed December 28, 1936. Serial No. 387,223. PUBLISHED MARCH 9, 1937. Class 37.

346,221. CARDBOARD TOY GUN. TORME PRODUCTS Co., Chicago, Ill.
Filed December 28, 1936. Serial No. 387,230. PUBLISHED MARCH 9, 1937. Class 22.

346,222. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed December 28, 1936. Serial No. 387,234. PUBLISHED MARCH 9, 1937. Class 49.

346,223. LADIES' HOSIERY. MILO D. BURKE, New York, N. Y.
Filed December 29, 1936. Serial No. 387,238. PUBLISHED MARCH 2, 1937. Class 39.

346,224. SHAMPOO. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed December 29, 1936. Serial No. 387,239. PUBLISHED MARCH 2, 1937. Class 6.

346,225. PASS BOOKS, RECEIPTS, AND FORMS. SECURITY THRIFT SUPPLIES CORP., Newark, N. J.
Filed December 29, 1936. Serial No. 387,255. PUBLISHED MARCH 9, 1937. Class 37.

346,226. FOOD BEVERAGE TO BE USED AS A SUBSTITUTE FOR TEA OR COFFEE. MABEL D. AYDELOTTE, Yarmouth Port, Mass.
Filed December 30, 1936. Serial No. 387,262. PUBLISHED MARCH 9, 1937. Class 46.

346,227. CANNED SALADS—NAMELY, VEGETABLE SALADS. IVANHOE FOODS, INC., Auburn, N. Y.
Filed December 30, 1936. Serial No. 387,280. PUBLISHED MARCH 9, 1937. Class 46.

346,228. RUST PREVENTING COMPOUNDS FOR AUTOMOBILE RADIATORS. SALVATORE SESSA, doing business as Industrial Chemical Powder Co., New Haven, Conn.
Filed December 30, 1936. Serial No. 387,289. PUBLISHED MARCH 9, 1937. Class 6.

346,229. MATZOTHS. ARON STREIT, New York, N. Y.
Filed December 30, 1936. Serial No. 387,293. PUBLISHED MARCH 9, 1937. Class 46.

346,230. PREPARATIONS FOR THE PURIFICATION OF THE BLOOD AND FOR THE TREATMENT OF MALARIA, RHEUMATISM, ANAEMIA, AND CHLOROSIS. ENRIQUE R. BALAGUER, doing business as Dr. Lovett Medicine Co., Brooklyn, N. Y.
Filed December 30, 1936. Serial No. 387,303. PUBLISHED MARCH 9, 1937. Class 6.

346,231. CONDENSERS. C. H. WHEELER MANUFACTURING COMPANY, Philadelphia, Pa.
Filed December 30, 1936. Serial No. 387,306. PUBLISHED MARCH 9, 1937. Class 34.

346,232. COMPACTED DRY COLOR ART MEDIUM FOR DRY COLOR PAINTING. BINNEY & SMITH COMPANY, New York, N. Y.
Filed December 31, 1936. Serial No. 387,310. PUBLISHED MARCH 9, 1937. Class 16.

346,233. DENTAL ALLOY, DENTAL GOLD FOIL, MOLDING COMPOUNDS FOR MAKING IMPRESSIONS, AMALGAMS DENTAL TIN FOIL, ARTIFICIAL TEETH, INLAYS, AND BRIDGE WORK. CONSOLIDATED DENTAL MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed December 31, 1936. Serial No. 387,313. PUBLISHED MARCH 2, 1937. Class 44.

346,234. SASHES AS A CLOTHING ACCESSORY. ALFRED L. PACE, Rochester, N. Y.
Filed December 31, 1936. Serial No. 387,343. PUBLISHED MARCH 9, 1937. Class 39.

346,235. MISSES' AND JUNIORS' COATS CONTAINING CAMEL'S HAIR. FRED P. WEISSMAN INC., New York, N. Y.
Filed December 31, 1936. Serial No. 387,359. PUBLISHED MARCH 9, 1937. Class 39.

346,236. PELTS AND FURS. FROMM BROS., INC., Hamburg, Wis.
Filed January 4, 1937. Serial No. 387,437. PUBLISHED MARCH 9, 1937. Class 1.

346,237. NEWSPAPER COLUMN. HEARST CONSOLIDATED PUBLICATIONS, INC., Atlanta, Ga.
Filed January 4, 1937. Serial No. 387,439. PUBLISHED MARCH 9, 1937. Class 38.

346,238. SAFETY RAZOR BLADES. COLTON RAZOR BLADE COMPANY, Boston, Mass.
Filed January 5, 1937. Serial No. 387,453. PUBLISHED MARCH 9, 1937. Class 23.

346,239. FRESH APPLES. WILLIAM E. MCINTOSH, Buffalo, N. Y.
Filed January 5, 1937. Serial No. 387,472. PUBLISHED MARCH 9, 1937. Class 46.

346,240. TOILET BRUSHES—NAMELY, BATH BRUSHES, HAIR BRUSHES, SHAMPOO BRUSHES, AND COMPLEXION BRUSHES. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed January 5, 1937. Serial No. 387,475. PUBLISHED MARCH 9, 1937. Class 29.

346,241. RAINCOATS. THE ALLIGATOR COMPANY, St. Louis, Mo.
Filed January 6, 1937. Serial No. 387,485. PUBLISHED MARCH 9, 1937. Class 39.

346,242. NEWSPAPER CARTOONS PUBLISHED IN A CONTINUING SERIES. ESQUIRE FEATURES, INC., Chicago, Ill.
Filed January 6, 1937. Serial No. 387,500. PUBLISHED MARCH 9, 1937. Class 38.

346,243. ABSORBENT FACE CLEANSING SHEETS MADE OF PAPER. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed January 6, 1937. Serial No. 387,504. PUBLISHED MARCH 9, 1937. Class 37.

346,244. TRADE PAPER PUBLISHED AT IRREGULAR INTERVALS. THE NEW JERSEY ZINC COMPANY, Newark, N. J.
Filed January 6, 1937. Serial No. 387,509. PUBLISHED MARCH 9, 1937. Class 38.

346,245. MISSES' AND JUNIOR GIRLS' MAN TAILORED COATS AND SUITS. ROYCRAFT CLOTHES, INC., New York, N. Y.
Filed January 6, 1937. Serial No. 387,515. PUBLISHED MARCH 9, 1937. Class 39.

346,246. JAMAICA RUM. EDWARD YOUNG & Co. LIMITED, London and Liverpool, England.
Filed January 6, 1937. Serial No. 387,527. PUBLISHED MARCH 9, 1937. Class 49.

346,247. LADIES' AND MISSES' KNITTED DRESSES, SWEATERS, AND BLOUSES. BURNEY EPSTEIN, INC. New York, N. Y.
Filed January 7, 1937. Serial No. 387,528. PUBLISHED MARCH 9, 1937. Class 39.

346,248. LEATHER. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del.
Filed January 7, 1937. Serial No. 387,531. PUBLISHED MARCH 9, 1937. Class 1.

346,249. HOSIERY FOR WOMEN. COOPER, WELLS & COMPANY, St. Joseph, Mich., assignor to Clear-Weave Hosiery Stores, Inc., Boston, Mass., a corporation of Massachusetts.
Filed January 7, 1937. Serial No. 387,542. PUBLISHED MARCH 9, 1937. Class 39.

346,250. HOSIERY FOR WOMEN. COOPER, WELLS & COMPANY, St. Joseph, Mich.
Filed January 7, 1937. Serial No. 387,543. PUBLISHED MARCH 9, 1937. Class 39.

346,251. BUTTER. DENMAN & HERNES, INC., New York, N. Y.
Filed January 7, 1937. Serial No. 387,546. PUBLISHED MARCH 9, 1937. Class 46.

346,252. MEN'S AND BOYS' UNDERWEAR—NAMELY, SHIRTS AND SHORTS. GIMBEL BROTHERS, INC., New York, N. Y.
Filed January 7, 1937. Serial No. 387,551. PUBLISHED MARCH 2, 1937. Class 39.

346,253. NECKTIES AND CRAVATS. HUT NECKWEAR CO. INC., New York, N. Y.
Filed January 7, 1937. Serial No. 387,552. PUBLISHED MARCH 2, 1937. Class 39.

346,254. FOUNDATION GARMENTS, CORSETS, BRASSIÈRES, AND COMBINATIONS OF THE SAME. POIRETTE CORSETS, INC., New York, N. Y.
Filed January 7, 1937. Serial No. 387,558. PUBLISHED MARCH 2, 1937. Class 39.

346,255. LOCKS. THE YALE & TOWNE MANUFACTURING COMPANY, Stamford, Conn.
Filed January 7, 1937. Serial No. 387,570. PUBLISHED MARCH 9, 1937. Class 25.

346,256. FRESH CITRUS FRUITS—NAMELY, LEMONS. BRIGGS LEMON ASSOCIATION, Santa Paula, Calif.
Filed January 8, 1937. Serial No. 387,576. PUBLISHED MARCH 9, 1937. Class 46.

346,257. FRESH CITRUS FRUITS—NAMELY, LEMONS. BRIGGS LEMON ASSOCIATION, Santa Paula, Calif.
Filed January 8, 1937. Serial No. 387,577. PUBLISHED MARCH 9, 1937. Class 46.

346,258. ALE. THE TRINITY AUDIT ALE ASSOCIATION, LTD., New York, N. Y.
Filed January 8, 1937. Serial No. 387,602. PUBLISHED MARCH 9, 1937. Class 48.

346,259. CARBON BLACK FOR USE IN THE MANUFACTURE OF EXPLOSIVES. UNITED CARBON COMPANY, INC., Charleston, W. Va.
Filed January 8, 1937. Serial No. 387,603. PUBLISHED MARCH 9, 1937. Class 9.

346,260. PHOTOGRAPHIC, MICROPHOTOGRAPHIC PROJECTING, AND MICROSCOPE OBJECTIVES. CARL ZEISS, Jena, Germany.
Filed January 7, 1937. Serial No. 387,607. PUBLISHED MARCH 9, 1937. Class 26.

346,261. LIQUID CEMENTS. HAMILTON CHEMICAL PRODUCTS CO., Brockton, Mass.
Filed January 7, 1937. Serial No. 387,608. PUBLISHED MARCH 9, 1937. Class 5.

346,262. SOFT DRINKS, PARTICULARLY LEMON SODA. BLUE SEAL EXTRACT COMPANY, Cambridge, Mass.
Filed January 9, 1937. Serial No. 387,618. PUBLISHED MARCH 9, 1937. Class 45.

346,263. FABRIC GLOVES AND GLOVES OF COMBINED LEATHER AND FABRIC. WELLS-LAMONT-SMITH CORPORATION, Minneapolis, Minn.
Filed January 9, 1937. Serial No. 387,638. PUBLISHED MARCH 9, 1937. Class 39.

346,264. MOUTH WASH. H. KIRK WHITE & CO., Oconomowoc, Wis.
Filed January 9, 1937. Serial No. 387,640. PUBLISHED MARCH 9, 1937. Class 6.

346,265. SPLICER AND COVERING FOR CONDUCTOR WIRES. HENRY RUSKIN, doing business as Ruskin Products Company, Chicago, Ill.
Filed January 11, 1937. Serial No. 387,685. PUBLISHED MARCH 9, 1937. Class 21.

346,266. BOOK COVERS. IRVING BERKMAN, doing business as American Book Cover Co., New York, N. Y.
Filed January 12, 1937. Serial No. 387,696. PUBLISHED MARCH 9, 1937. Class 37.

346,267. LEATHER. WILLARD HELBURN, INC., Salem, Mass.
Filed January 12, 1937. Serial No. 387,704. PUBLISHED MARCH 9, 1937. Class 1.

346,268. WOMEN'S SHOES OF LEATHER. R. H. MACY & CO., INC., New York, N. Y.
Filed January 12, 1937. Serial No. 387,707. PUBLISHED MARCH 9, 1937. Class 39.

346,269. NON-CURLING FLINT GLAZED PAPERS, FAST-TO-LIGHT NON-CURLING FLINT GLAZED PAPERS, DUPLEX PAPERS, ETC. WYOMISSING GLAZED PAPER COMPANY, West Reading, Pa.
Filed January 12, 1937. Serial No. 387,722. PUBLISHED MARCH 9, 1937. Class 37.

346,270. ABRASIVE BLAST APPARATUS SUCH AS MILLS, CABINETS, CONTAINERS, AND CONVEYORS USED IN CLEANING, ABRADING, AND/OR TREATING METALLIC CASTINGS, FORGINGS, STAMPINGS, BARS, BILLETS, SHEETS, AND LIKE ARTICLES BY MEANS OF AN ABRASIVE BLAST. THE AMERICAN FOUNDRY EQUIPMENT COMPANY, Mishawaka, Ind.
Filed January 13, 1937. Serial No. 387,726. PUBLISHED MARCH 9, 1937. Class 23.

346,271. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed January 13, 1937. Serial No. 387,727. PUBLISHED MARCH 9, 1937. Class 17.

346,272. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed January 13, 1937. Serial No. 387,729. PUBLISHED MARCH 9, 1937. Class 17.

346,273. UPHOLSTERED SOFAS, CHAIRS, LOVE SEATS, AND PILLOWS. BULLOCK'S, INC., Los Angeles, Calif.
Filed January 13, 1937. Serial No. 387,736. PUBLISHED MARCH 9, 1937. Class 32.

346,274. FRESH VEGETABLES. SAM CHASTAIN, Canal Point, Fla.
Filed January 13, 1937. Serial No. 387,740. PUBLISHED MARCH 9, 1937. Class 46.

346,275. DOUBLE FILLING DUCKS OF DIFFERENT WIDTHS AND WEIGHTS. CORSICANA COTTON MILLS, Corsicana, Tex.
Filed January 13, 1937. Serial No. 387,741. PUBLISHED MARCH 9, 1937. Class 42.

346,276. DOUBLE FILLING DUCKS OF DIFFERENT WIDTHS AND WEIGHTS. CORSICANA COTTON MILLS, Corsicana, Tex.
Filed January 13, 1937. Serial No. 387,742. PUBLISHED MARCH 9, 1937. Class 42.

346,277. CHEWING GUM. TEN CROWN GUM CO., INC., Naugatuck, Conn.
Filed January 13, 1937. Serial No. 387,765. PUBLISHED MARCH 9, 1937. Class 46.

346,278. CROCHET COTTON. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 14, 1937. Serial No. 387,801. PUBLISHED MARCH 9, 1937. Class 43.

346,279. NEEDLES FOR HAND USE. AMERICAN MERCHANDISE CO. INC., New York, N. Y.
Filed January 15, 1937. Serial No. 387,809. PUBLISHED MARCH 9, 1937. Class 40.

346,280. LADIES' RAYON UNDERWEAR, PAJAMAS, NIGHTGOWNS, AND DRESSES. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y.
Filed January 16, 1937. Serial No. 387,863. PUBLISHED MARCH 9, 1937. Class 39.

346,281. BAKERY PRODUCTS—NAMELY, ICE CREAM CONES. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed January 16, 1937. Serial No. 387,874. PUBLISHED MARCH 9, 1937. Class 46.

346,282. BAKERY PRODUCTS—NAMELY, ICE CREAM CONES. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed January 16, 1937. Serial No. 387,875. PUBLISHED MARCH 9, 1937. Class 46.

346,283. LEATHER. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del.
Filed January 12, 1937. Serial No. 387,882. PUBLISHED MARCH 9, 1937. Class 1.

346,284. WRITING PAPER, PRINTING PAPER, LEDGER PAPER, BOOK PAPER, BOND PAPER, AND PAPER SPECIALLY TREATED FOR USE ON DUPLICATING MACHINES AND DEVICES. CHICAGO PAPER COMPANY, Chicago, Ill.
Filed January 18, 1937. Serial No. 387,888. PUBLISHED MARCH 9, 1937. Class 37.

346,285. HOSIERY. GENERAL HOSIERY COMPANY, Fort Wayne, Ind.
Filed January 18, 1937. Serial No. 387,897. PUBLISHED MARCH 9, 1937. Class 39.

346,286. HOSIERY. GENERAL HOSIERY COMPANY, Fort Wayne, Ind.
Filed January 18, 1937. Serial No. 387,898. PUBLISHED MARCH 9, 1937. Class 39.

346,287. HOSIERY. GENERAL HOSIERY COMPANY, Fort Wayne, Ind.
Filed January 18, 1937. Serial No. 387,899. PUBLISHED MARCH 9, 1937. Class 39.

346,288. BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. FREEMAN SHOE CORPORATION, Beloit, Wis.
Filed January 19, 1937. Serial No. 387,941. PUBLISHED MARCH 9, 1937. Class 39.

346,289. NECKTIES. BOTANY WORSTED MILLS, Passaic, N. J.
Filed January 21, 1937. Serial No. 387,982. PUBLISHED MARCH 9, 1937. Class 39.

346,290. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. I. MILLER & SONS, INC., Long Island City, N. Y.
Filed January 21, 1937. Serial No. 388,016. PUBLISHED MARCH 9, 1937. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

346,291. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE JOHN HEIDSIK COMPANY, Barberton, Ohio. Filed Oct. 5, 1935. Serial No. 370,048.

PETER MOSS

For Whiskey and Gin.
Claims use since Sept. 18, 1934.

346,292. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) SILVERMAN BROS., Providence, R. I. Filed Dec. 31, 1935. Serial No. 373,233.

YORK

For Men's Jewelry, Not Including Watches, Tie Holders, Collar Holders, Cuff Links, Compacts, Cigarette Cases, Finger Rings, Brooches, Clips, Necklaces, Buckles, Vanity Cases, Bracelets, Ash Trays, Cigarette Boxes, Knives, Letter Openers, Bag Frames, All Made Wholly or Partly or Plated Wholly or Partly with Precious Metals.
Claims use since Sept. 1, 1935.

346,293. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) JOSEPH GRANAT, San Francisco, Calif. Filed Jan. 31, 1936. Serial No. 374,329.

"WEDDED"

For Finger Rings.
Claims use since Jan. 2, 1936.

346,294. (CLASS 39. CLOTHING.) MUNRO AND COMPANY, LIMITED, Edinburgh, Scotland. Filed Feb. 15, 1936. Serial No. 374,895.

MUNROSPUN

For Stockings, Scarves, Gloves, Hats, Caps, Cardigans, Jumpers, and Ties, All Being Knitted Articles of Clothing for Men, Women, and Children.
Claims use since 1919.

346,295. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MUNRO AND COMPANY, LIMITED, Edinburgh, Scotland. Filed Feb. 15, 1936. Serial No. 374,896.

MUNROSPUN

For Woollen Cloths in the Piece and Travelling Rugs.
Claims use since 1919.

346,296. (CLASS 40. FANCY GOODS. FURNISHINGS, AND NOTIONS.) EVRSTAY CREASE COMPANY, Rochester, N. Y. Filed Feb. 24, 1936. Serial No. 375,136.

EVRSTAY

For Tape.
Claims use since Sept. 1, 1935.

346,297. (CLASS 12. CONSTRUCTION MATERIALS.) THERMAL PRODUCTS CORPORATION, Pittsburgh, Pa. Filed Feb. 28, 1936. Serial No. 375,359.

MONOLITHIC

For Thermal Insulating Material in Pulverized Form.
Claims use since May 25, 1935.

346,298. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) C. N. BURMAN CO., New York, N. Y. Filed Mar. 13, 1936. Serial No. 375,927.

PINON

For Electric Lamps.
Claims use since Aug. 5, 1933.

346,299. (CLASS 39. CLOTHING.) PURITAN KNITTING MILLS CORP., Altoona, Pa. Filed Mar. 18, 1936. Serial No. 376,141.

INVERNESS

For Clothing Made of Knitted or Woven Goods—Namely, Men's and Boys' Bathing Suits, Beach Robes, Outer Shirts, Sport Jackets, Hunting Coats, Ski Suits, and Blouses.
Claims use since Mar. 2, 1936.

346,300. (CLASS 39. CLOTHING.) P. H. HANES KNITTING COMPANY, Winston-Salem, N. C. Filed Mar. 20, 1936. Serial No. 376,203.

SNUG-TITES

For One-, Two-, and Three-Piece Undergarments in Knitted or Woven Material for Men, Women, and Children—Namely, Shirts, Drawers, and Union Suits.
Claims use since Feb. 17, 1936.

346,301. (CLASS 12. CONSTRUCTION MATERIALS.) THE AGASOTE MILLBOARD CO., Trenton, N. J. Filed Mar. 28, 1936. Serial No. 376,519.

"PRECISION BUILT"

For Wood Pulp Building Boards.
Claims use since Mar. 20, 1936.

346,302. (CLASS 39. CLOTHING.) JOHN WANAMAKER NEW YORK, New York, N. Y. Filed Mar. 28, 1936. Serial No. 376,555.

WANAMAKER'S Resilient Arch

For Leather Shoes.
Claims use since Mar. 14, 1936.

346,303. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BERSTED MANUFACTURING COMPANY, Fostoria, Ohio. Filed Apr. 1, 1936. Serial No. 376,661.

STICKLESS

For Electric Waffle Irons.
Claims use since Jan. 2, 1936.

346,304. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) HARRY L. ROGERS, New York, N. Y. Filed Apr. 9, 1936. Serial No. 377,019.

AIR-TITE

For Tobacco Pouches.
Claims use since Jan. 29, 1936.

346,305. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT EHLERS, INC., Brooklyn, N. Y. Filed Apr. 14, 1936. Serial No. 377,183.

Irish Blossom

For Tea.
Claims use since Apr. 6, 1936.

346,306. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) W. T. GRANT COMPANY, New York, N. Y. Filed Apr. 22, 1936. Serial No. 377,505.

Betty Allan

For Powder Puffs.
Claims use since Sept. 15, 1935.

346,307. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed May 2, 1936. Serial No. 377,949.

Sterling

For Golf Balls.
Claims use since Apr. 13, 1936.

346,308. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HIRAM WALKER & SONS INC., Peoria, Ill. Filed May 4, 1936. Serial No. 378,018.

Colonel Anderson

For Whiskey.
Claims use since Apr. 2, 1936.

346,309. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HIRAM WALKER & SONS INC., Peoria, Ill. Filed May 4, 1936. Serial No. 378,019.

Bancroft

For Whiskey.
Claims use since Apr. 2, 1936.

346,310. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEABOARD PACKING CORP., New York, N. Y. Filed May 8, 1936. Serial No. 378,238.

MEATY MEAL

For Canned Food for Carnivorous Animals.
Claims use since Apr. 4, 1936.

346,311. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) KNAPP-MONARCH COMPANY, doing business as Faultless Mfg. Co., St. Louis, Mo. Filed May 11, 1936. Serial No. 378,316.

FAULTLESS

For Infra Red Ray Lamps and Therapeutic Lamps.
Claims use since Mar. 17, 1936.

346,312. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn. Filed May 18, 1936. Serial No. 378,548.

FIRMTWIST

For Woven Textile Rugs and Carpets.
Claims use since Jan. 6, 1936.

346,313. (CLASS 12. CONSTRUCTION MATERIALS.) JOSEPH F. FAUNER, Irvington, N. J. Filed July 25, 1936. Serial No. 381,449.

UPLEX CUSHION

For Weather Strips, Threshold Weather and Dust Proofing Devices.
Claims use since Feb. 11, 1913.

346,314. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) KESTENMAN BROS. MFG. CO., Providence, R. I. Filed Aug. 27, 1936. Serial No. 382,631.

WEARPRUF

For Metal Bracelets, Clasps, and Buckles in the Nature of Jewelry.
Claims use since January, 1935.

346,315. (CLASS 37. PAPER AND STATIONERY.) GEO. SEELMAN & SONS CO., Milwaukee, Wis. Filed Sept. 17, 1936. Serial No. 383,371.

Marquette

For Diaries, Memorandum Books, Note Books, Blank Books, Metal Ring Binders, Loose Leaf Note Books, Check Book Covers, Pass Books, Envelopes, Address Books, and Loose Leaf Sheets.
Claims use since Mar. 1, 1936.

346,316. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE NORWALK TIRE & RUBBER COMPANY, INC., Norwalk, Conn. Filed Dec. 18, 1936. Serial No. 386,905.

Esquire

For Tires and Inner Tubes Composed Principally of Rubber.
Claims use since Feb. 1, 1936.

346,317. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Filed Feb. 18, 1937. Serial No. 389,090.

FAIRFIELD

For Playing Cards.
Claims use since Jan. 30, 1932.

346,318. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Mar. 4, 1937. Serial No. 389,650.

MINNESOTA

For Abrasive Cloth and Paper and Buffing Cloth and Paper.
Claims use since August, 1933.

346,319. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BALLOFFET DIES & NOZZLE COMPANY, INC., Guttenberg, N. J. Filed Mar. 15, 1937. Serial No. 390,038.

BALLOFFET

For Oil Burner Nozzles.
Claims use since Jan. 1, 1933.

346,320. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ESBECO DISTILLING CORPORATION, Stamford, Conn. Filed Mar. 18, 1937. Serial No. 390,204.

Old Westbury Club

For Whiskey.
Claims use since July 26, 1934.

346,321. (CLASS 37. PAPER AND STATIONERY.) KOH-I-NOOR BLEISTIFTFABRIK L. & C. HARDTMUTH, Budweis, Czechoslovakia. Filed Mar. 19, 1937. Serial No. 390,277.

TECHNICOLOR

For Coloured Chalk Pencils and Coloured Sticks. Claims use since Aug. 15, 1929.

346,322. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BOYLE LEATHER GOODS CO., INC., New York, N. Y. Filed Mar. 29, 1937. Serial No. 390,621.

BOYLE DUCK

For Handbags, Pocketbooks, Portfolios, Trunks, Suitcases, Hat Boxes, Shoe Boxes, Pullman Cases, Wardrobe Cases, and Overnight Cases.
Claims use since Jan. 15, 1934.

TRADE-MARK REGISTRATIONS RENEWED

113,371. LEATHER AND FABRIC BOOTS AND SHOES. Registered October 17, 1916. GLOBE SHOE STORE INC., New York, N. Y. Renewed October 17, 1936, to Benny Bass, Brooklyn, N. Y., successor.

114,269. BONNETS, HATS, AND HAT-FRAMES. Registered December 5, 1916. OGUS, RABINOVICH & OGUS CO., Chicago, Ill. Renewed December 5, 1936, to Ogus, Rabinovich & Ogus, Inc., New York, N. Y., a corporation of New York, assignee.

114,329. A SALVE FOR THE RELIEF OF PILES AND SORES OF VARIOUS KINDS. Registered December 12, 1916. WILLIAM E. BORLAND. Renewed December 12, 1936, to Daniel N. Walsh, Yonkers, N. Y., successor.

114,798. BUTTER. Registered January 2, 1917. MARICOPA CREAMERY CO., Phoenix, Ariz. Renewed January 2, 1937, to The Maricopa Creamery Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

115,156. PANCAKE-FLOUR. Registered January 30, 1917. BOWLES BROS. CO. Renewed January 30, 1937, to Frank A. Bowles, doing business as Bowles Bros. Co., Los Angeles, Calif., assignee.

115,730. A POULTRY REMEDY. Registered March 6, 1917. BURRELL-MILLER. Renewed March 6, 1937, to Burrell-Dugger Company, Indianapolis, Ind., a corporation of Indiana, by change of name.

116,072. PIPE-CLEANING SUBSTANCE. Registered April 3, 1917. W. B. MCVICKER COMPANY, New York, N. Y. Renewed April 3, 1937, to W. B. McVicker Company, Brooklyn, N. Y., a corporation of New York.

116,079. READY-MIXED PAINTS. Registered April 3, 1917. OAKLEY VARNISH CO. Renewed April 3, 1937, to Oakley Paint Manufacturing Company, Los Angeles, Calif., a co-partnership, assignee.

116,183. UNDERWAISTS FOR BOYS AND GIRLS. Registered April 10, 1917. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Renewed April 10, 1937.

116,289. A REMEDY FOR DISEASES AND DISORDERS OF THE UTERUS. Registered April 24, 1917. BARZILLAI L. COLE. Renewed April 24, 1937, to Cole Chemical Company, St. Louis, Mo., a corporation of Delaware, assignee.

116,322. A CHEMICAL COMPOUND FOR USE IN GASOLENE FOR INTERNAL-COMBUSTION ENGINES. Registered April 24, 1917. THE HOWARD-VAUGHAN CO., Niagara Falls, N. Y. Renewed April 24, 1937, to The Howard-Vaughan Co. Inc., Los Angeles, Calif., a corporation of New York.

116,551. RUBBER SOLES AND HEELS. Registered May 8, 1917. QUABAUG RUBBER COMPANY, Brookfield and North Brookfield, Mass. Renewed May 8, 1937, to Quabaug Rubber Company, North Brookfield, Mass., a corporation of Massachusetts.

117,240. METALS RESEMBLING BRONZE AND CASTINGS MADE FROM SAID METAL. Registered June 26, 1917. AMERICAN METAL PRODUCTS COMPANY. Renewed June 26, 1937, to Ampco Metal, Inc., Milwaukee, Wis., a corporation of Wisconsin, by change of name.

117,281. A RUSTLESS PICKLE FOR STEEL. Registered July 3, 1917. AMERICAN CHEMICAL PAINT COMPANY, Philadelphia, Pa. Renewed July 3, 1937, to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware.

117,305. CERTAIN NAMED CLOTHING FOR MEN AND WOMEN. Registered July 3, 1917. WM. FILENE'S SONS COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed July 3, 1937.

117,420. SEED-CORN, SEED-GRAIN, GRASS-SEEDS, CLOVER AND FIELD SEEDS. Registered July 10, 1917. E. W. CONKLIN & SON, INC., Binghamton, N. Y. Renewed July 10, 1937, to Craver-Dickinson Seed Company, Buffalo, N. Y., a corporation of New York, assignee by mesne assignments.

117,509. POULTRY FOOD—NAMELY, EGG-MASH AND CHICK-GROWER. Registered July 17, 1917. C. E. BASH AND CO., Huntington, Ind., a corporation of Indiana. Renewed July 17, 1937.

117,537. GOLF-BALLS, GOLF-CLUBS, GOLF-BAGS. Registered July 17, 1917. WM. FILENE'S SONS COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed July 17, 1937.

117,680. AN ANTISEPTIC AND DISINFECTANT. Registered July 24, 1917. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y. Renewed July 24, 1937, to McKesson & Robbins, Incorporated, Fairfield, Conn., a corporation of Maryland, assignee.

117,682. PERFUMERY, INCLUDING LIQUID AND POWDER. Registered July 24, 1917. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y. Renewed July 24, 1937, to McKesson & Robbins, Incorporated, Fairfield, Conn., a corporation of Maryland, assignee.

117,729. SOLE-STRIPS. Registered July 31, 1917. N. R. ALLEN'S SONS COMPANY, Kenosha, Wis. Renewed July 31, 1937, to The United States Leather Selling Corporation, New York, N. Y., a corporation of Delaware, assignee.

118,132. A MONTHLY MAGAZINE. Registered August 21, 1917. AMERICAN AUTOMOBILE ASSOCIATION PUBLISHING COMPANY, New York, N. Y., and Washington, D. C. Renewed August 21, 1937, to American Automobile Association, Incorporated, Washington, D. C., a corporation of Connecticut, successor.

118,156. HOT-WATER BOTTLES, SYRINGES, ICE-CAPS, INVALID-RINGS, SURGICAL RUBBER GLOVES, BREAST-PUMPS, AND ATOMIZERS. Registered August 21, 1917. GEO. L. CLAFLIN COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed August 21, 1937.

118,256. BULLETINS ISSUED IRREGULARLY BY ITS DEPARTMENT KNOWN AS THE AMERICAN RED STAR ANIMAL RELIEF. Registered August 28, 1917. THE AMERICAN HUMANE ASSOCIATION, Albany, N. Y., a corporation of the District of Columbia. Renewed August 28, 1937.

118,507. THE TITLE OF A MONTHLY PUBLICATION. Registered September 18, 1917. THE EMERSON ELECTRIC MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed September 18, 1937.

118,708. ELECTRIC MOTORS FOR SEWING-MACHINES AND CONTROLLERS THEREFOR. Registered September 25, 1917. THE SINGER MANUFACTURING COMPANY, New York, N. Y. Renewed September 25, 1937, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey.

118,709. ELECTRIC MOTORS FOR SEWING-MACHINES AND CONTROLLERS THEREFOR. Registered September 25, 1917. THE SINGER MANUFACTURING COMPANY, New York, N. Y. Renewed September 25, 1937, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey.

118,710. ELECTRIC MOTORS FOR SEWING-MACHINES AND CONTROLLERS THEREFOR. Registered September 25, 1917. THE SINGER MANUFACTURING COMPANY, New York, N. Y. Renewed September 25, 1937, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey.

118,711. ELECTRIC MOTORS FOR SEWING-MACHINES AND CONTROLLERS THEREFOR. Registered September 25, 1917. THE SINGER MANUFACTURING COMPANY, New York, N. Y. Renewed September 25, 1937, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey.

118,732. UPHOLSTERED FURNITURE—NAMELY, CHAIRS AND SETTEES. Registered October 2, 1917. B. ALTMAN & CO., New York, N. Y., a corporation of New York. Renewed October 2, 1937.

118,777. PAPER DRINKING-CUPS. Registered October 2, 1917. HARRIET HILL. Renewed October 2, 1937, to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

118,860. HANDKERCHIEFS. Registered October 9, 1917. CLUETT, PEABODY & CO., INC., Troy, N. Y., a corporation of New York. Renewed October 9, 1937.

118,921. CERTAIN NAMED MEN'S CLOTHING. Registered October 9, 1917. FRANKLIN SIMON & CO. INC., New York, N. Y., a corporation of New York. Renewed October 9, 1937.

LABELS

REGISTERED MAY 18, 1937

49,314.—*Title:* HANDI-KLEEN. For Tubes Containing No-Water Emergency Hand Soap and Paper Towels. ACME SPECIALTY SALES CO., Philadelphia, Pa. Published March 10, 1937.

49,315.—*Title:* MAY ALLAN. For Baking Powder Biscuits (Ready to Bake). MARY ALLAN FOODS, INC., San Francisco, Calif. Published March 1, 1937.

49,316.—*Title:* DWIN HOUSEHOLD INSECT KILLER. For a Liquid Preparation for Killing Insects. BALDWIN LABORATORIES, INC., Saegertown, Pa. Published March 10, 1937.

49,317.—*Title:* WALTANA. For Apples. WALTER E. ETTER, Ettersburg, Calif. Published February 1, 1937.

49,318.—*Title:* SETTLER. For Apples. GENERAL ICE CREAM CORPORATION, Portland, Maine. Published February 4, 1937.

49,319.—*Title:* HAZ-A-WEAR-OPAKE FLAT INTERIOR FINISH. For Ready Mixed Paint. THE HAZARD LEAD WORKS INC., Brooklyn, N. Y. Published March 18, 1937.

49,320.—*Title:* MANRU-DARK LAGER BEER. For Lager Beer. SCHREIBER BREWING COMPANY, INC., Buffalo, N. Y. Published September 21, 1936.

49,321.—*Title:* LEGION. For Blended Whiskey. ALBERT M. SIMONS, Hartford, Conn. Published March 15, 1937.

49,322.—*Title:* SUNLAND TOASTED. For Toasted Cereals. SUNLAND MANUFACTURING COMPANY, Minneapolis, Minn. Published March 1, 1936.

49,323.—*Title:* IMPREGNOLE WEATHER-SEALED. For a Processed Fabric. WARWICK CHEMICAL COMPANY, West Warwick, R. I. Published February 23, 1937.

PRINTS

REGISTERED MAY 18, 1937

16,192.—*Title:* PACER THE NEW-TYPE SOCK THAT HAS TAKEN AMERICA BY STORM! For Socks. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Published February 15, 1937.

16,193.—*Title:* KITCHAMAJIGS. For Kitchen Tools. EDWARD KATZINGER CO., Chicago, Ill. Published December 30, 1936.

16,194.—*Title:* THE QUALITY STORE OF QUALITY STREET. For Fur Coats and Fur Trimmed Coats. KERMAN STORES COMPANY, Chicago, Ill. Published February 21, 1937.

16,195.—*Title:* YES, HIS FACE TURNED RED AND I FELT LIKE A FOOL WHEN MY PEN RAN DRY ON THE DOTTED LINE! For Fountain Pens, Mechanical Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published February 13, 1937.

16,196.—*Title:* ROYAL HAWAIIAN COCOANUT CRAFT. For Hawaiian Cocoanuts. THE ROYAL HAWAIIAN DISTRIBUTING COMPANY DIVISION OF PANG SEE & CO. LTD., Honolulu, Territory of Hawaii. Published February 2, 1937.

16,197.—*Title:* AFTER SIX. For Men's Formal Wear. S. RUDOFKER'S SONS, Philadelphia, Pa. Published March 1, 1937.

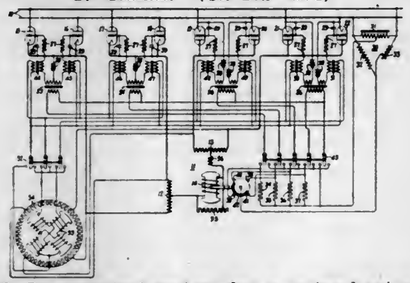
16,198.—*Title:* CREST-LINE. For Medical Products. FREDERICK STEARNS & COMPANY, Detroit, Mich. Published January 28, 1937.

20,364

ELECTRIC VALVE CONVERTING SYSTEM

Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original No. 1,937,377, dated November 28, 1933, Serial No. 598,380, March 12, 1932. Application for reissue May 23, 1935, Serial No. 23,055
47 Claims. (Cl. 172—274)



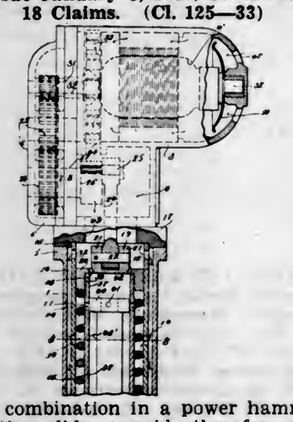
33. In a control system for a motor having a plurality of armature windings and a field winding each divided into a plurality of angularly displaced sections, an alternating current supply line, electron discharge means connected with the windings of the motor for controlling the energization thereof from said supply line, a source of potential, adjustable means controlling the operation of said means by controlling the connection of said source therewith, and means for producing the simultaneous energization of at least two portions of different ones of said armature windings.

20,365

PORTABLE POWER HAMMER

James N. Baker, Towson, Md., assignor to The Black & Decker Manufacturing Company, Towson, Md., a corporation of Maryland

Original No. 2,013,296, dated September 3, 1935, Serial No. 548,596, July 3, 1931. Application for reissue January 6, 1937, Serial No. 119,279
18 Claims. (Cl. 125—33)



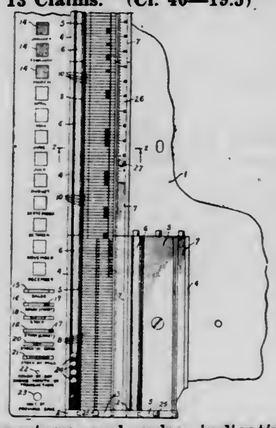
1. The combination in a power hammer of a reciprocating slide, a guide therefor, a ram, a portion of said ram acting as a piston within said slide, a spring compressed between the slide and the ram, and means for supporting a bit in the path of the ram, a barrel enclosing the guide and spaced outwardly therefrom forming a circumferential jacket, means for introducing air into said jacket between the barrel and guide at one end of the barrel, the guide having ports near its respective ends and the slide and the ram operating as a piston in the guide to force air into the jacket at the upper end, the lower end of the guide cooperating with the ram after the manner of a pump cylinder for discharging the air from said jacket at the lower end of the guide.

20,366

VISIBLE INVENTORY AND SALES RECORDING DEVICE

Henry Booth, Yonkers, N. Y.

Original No. 2,037,192, dated April 14, 1936, Serial No. 709,094, January 31, 1934. Application for reissue January 2, 1937, Serial No. 118,931
13 Claims. (Cl. 40—19.5)



1. An inventory and sales indicating device comprising a holder provided with a longitudinally extending tally receiving recess having a lateral opening co-extensive therewith, and a plurality of tallies freely insertable into and removable from said recess through said opening and bearing markings representing unit values and other markings representing time data, said markings being arranged at edge portions of said tallies and visible through said opening when the tallies are stacked one upon another in said recess.

20,367

PROCESS FOR PRODUCING DIPHENYL

John N. Carothers, Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Original No. 1,875,317, dated September 6, 1932, Serial No. 268,096, April 7, 1928. Application for reissue January 18, 1936, Serial No. 59,695
15 Claims. (Cl. 260—168)

1. The herein described process for the production of diphenyl from benzol which comprises raising the temperature of a stream of benzol

vapors in a preheating step until substantially all the stream is near the point where an appreciable conversion to diphenyl begins, then in a conversion step abruptly raising the preheated vapors in the stream to the optimum temperature range for conversion to diphenyl, and as soon as said vapors have attained said optimum temperature range, abruptly chilling them to a temperature below the diphenyl forming temperature, the vapors having a relatively accelerated motion through the conversion step.

20,368
PROCESS FOR PRODUCING DIARYL HYDROCARBONS

John N. Carothers, Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Original No. 1,907,498, dated May 9, 1933, Serial No. 494,955, November 11, 1930. Application for reissue January 18, 1936, Serial No. 59,696

8 Claims. (Cl. 260—168)

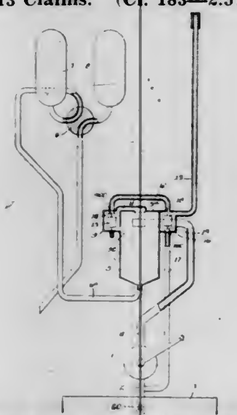
1. In a process of producing diphenyl in which benzol vapors are heated to diphenyl forming temperature by passing them through a heated tube and then cooled, the improvement which comprises passing the vapors through said heated tube at a linear velocity substantially above the calculated critical velocity, and limiting the period of contact of the vapors with the portion of the tube to diphenyl forming temperature heated to a maximum of 1.24 seconds.

20,369
LIQUID MEASURING APPARATUS

Alfred Lanser, Corseaux-Vevey, Switzerland, assignor, by mesne assignments, to S. F. Bowser & Company, Inc., Fort Wayne, Ind.

Original No. 1,783,510, dated December 2, 1930, Serial No. 319,759, November 16, 1928. Application for reissue January 6, 1933, Serial No. 650,453. In France November 2, 1928

13 Claims. (Cl. 183—2.5)



1. An apparatus of the class described comprising a supply reservoir, a gas and liquid separator having a gas discharge port normally open to the atmosphere and a liquid discharge port, means for supplying liquid from said reservoir to said separator, a valve adapted to close said gas discharge port, means for recovering liquid passing said gas discharge port valve comprising a recovery chamber communicating with said gas discharge port, normally open to the atmosphere at its upper end and having a valve controlled liquid outlet at its lower end.

20,370
PROCESS FOR THE PRODUCTION OF ETHYLENE OXIDE

Theodore Emile Lefort, Paris, France, assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York

No Drawing. Original No. 1,998,878, dated April 23, 1935, Serial No. 600,578, March 22, 1932. Application for reissue September 25, 1936, Serial No. 102,613. In France March 27, 1931

9 Claims. (Cl. 260—54)

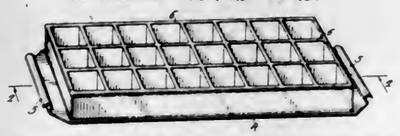
8. The process of making ethylene oxide by the direct chemical combination of oxygen with ethylene in the proportions of one atom of oxygen to one molecule of ethylene, which comprises forming a mixture containing ethylene and molecular oxygen and conducting said mixture through a confined reaction zone which is maintained at an elevated temperature; controlling said temperature to maintain said mixture in said zone at a temperature between about 150° and about 400° C.; subjecting said mixture in said zone at said elevated controlled temperature to intimate contact with an active surface catalyst of a material having the catalytic characteristics of silver which favors the direct oxidation of said ethylene in said mixture by said molecular oxygen to form oxidation products containing ethylene oxide in the presence of water and which does not favor the existence in said products of substantial amounts of aldehydes; correlating the passage of said mixture through said reaction zone in the presence of said catalyst and the controlled elevated temperature of said mixture and said catalyst to effect said oxidation of said ethylene directly to form substantial amounts of ethylene oxide; and thereafter recovering ethylene oxide-containing product in liquid form.

20,371
ICE TRAY

Frank J. Leyner, Lafayette, Colo., assignor to A. Yates Dowell

Original No. 1,935,405, dated November 14, 1933, Serial No. 630,640, August 27, 1932. Application for reissue November 13, 1935, Serial No. 49,646

10 Claims. (Cl. 62—108.5)



1. A tray for use in freezing water to form ice cubes of predetermined size and shape comprising, a flexible metal plate forming a bottom, and a mold having a plurality of openings whose walls are formed from rubber, one side of the mold being united with the metal bottom by a water tight joint.

20,372
SITTING AND RESTING FURNITURE

Anton Lorenz, Berlin, Germany, assignor to Lewis Larsen, Menominee, Mich., trustee

Original No. 1,978,024, dated October 23, 1934, Serial No. 427,277, February 10, 1930. Application for reissue September 16, 1936, Serial No. 101,179. In Germany February 12, 1929

14 Claims. (Cl. 155—54)

1. A chair or stool of the character described including a seat frame including a seat and a back and a base frame for supporting said seat frame, both of said frames being formed of metal tubes bent in the form of loops, the seat frame comprising a single loop embodying two substantially parallel side portions and at least one transverse end portion, the base frame comprising a single loop embodying two substantially parallel side portions and at least one transverse end portion, the side portions being bent upon themselves



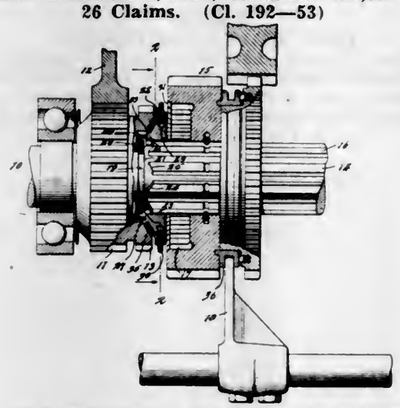
so as to provide a single resilient upright and an upper and a lower limb for each side portion, said upper limbs thereby forming cantilevers, said seat frame being secured to the base frame with a transverse end portion of one frame extending intermediately of the side portions of the other frame whereby said transverse end portion of one frame acts as a bracing member for the other frame.

20,373
CONE-TYPE SYNCHRONIZER FOR AXIALLY MOVABLE CLUTCHES

Howard J. Murray, New York, N. Y., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Original No. 1,853,988, dated April 12, 1932, Serial No. 121,886, July 12, 1926. Application for reissue December 8, 1932, Serial No. 646,333

26 Claims. (Cl. 192—53)



1. In a transmission, the combination of a driving shaft provided with a main gear one end of which constitutes a clutch element and which end is recessed to provide a clutch face of a friction clutch of the cone type, a driven shaft having a reduced end extending axially into the main gear and provided with a longitudinally extending spline terminating in an inclined end to form a cam and said cam being in spaced relation to the reduced end to provide a cylindrical bearing surface, a gear unit slidable on said spline and provided with a coacting clutch element adapted to be moved in one direction into clutching engagement with the clutch element on the main gear, a synchronizer mounted for rotary movement on said cylindrical bearing surface, provided on one side with a frusto conical face adapted to engage in the recessed end of the main gear to provide the conical friction clutch, and provided on the other side with a plurality of faces inclined to the plane of rotation and adapted to coact with the cam at the end of the spline to effect a frictional engagement with the main gear, resilient means tending to move the synchronizer towards the cam on the spline and a control for shifting the unit into engagement with and past the synchronizer, and into clutching engagement with the main gear, and for causing the unit to shift the synchronizer circumferentially and thus cause the cam on the spline to shift the synchronizer axially and into clutching engagement with the main gear.

20,374
METAL CONTAINER

Charles Alfred Racine, Geraldton, Ontario, and William Dalton Graham, Minnedosa, Manitoba, Canada, assignors to The Sterotype Corporation, Columbus, Ohio, a corporation of Ohio

Original No. 1,988,962, dated January 22, 1935, Serial No. 582,384, December 21, 1931. Application for reissue January 19, 1937, Serial No. 121,378

18 Claims. (Cl. 221—60)



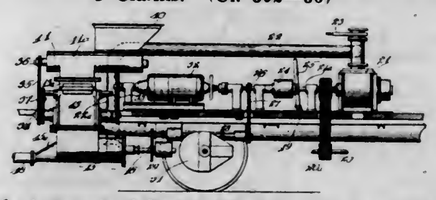
1. In a container, a tube having a closed top thereon, a rotatable non-removable cap of comparatively hard material mounted on the top of the tube and provided with an aperture therethrough, a pair of cutting edges formed in the cap, adjacent to the cap aperture, a closed integral projection on the top of the tube of softer material than that of the cap, extending through the cap aperture, said projection being adapted to be sheared off upon revolution of the cap by the cutting edges of the same, and form an aperture in the top of the tube which can be registered with the cap aperture, for dispensing the tube contents, and which can also be placed in a position of non-alignment with the cap aperture, for preventing egress of the tube contents.

20,375
MATERIAL TRANSFER APPARATUS

Harry H. Weiss, Chicago, Ill., assignor of one-half to Insulating Equipment, Inc., Chicago, Ill., a corporation of Illinois

Original No. 1,783,487, dated December 2, 1930, Serial No. 412,823, December 9, 1929. Application for reissue June 3, 1932, Serial No. 615,256

9 Claims. (Cl. 302—36)

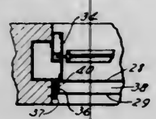


1. A remote delivery apparatus for loose material, comprising a hopper, a forward screw-feed at the bottom of the hopper, a rotary-wing downward feeder leading from the screw feed, a picker agitator below the feeder, a housing for the agitator, a blower conduit leading into the housing, and a delivery conduit leading out of the same.

PATENTS

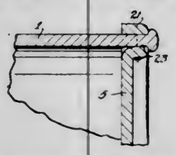
GRANTED MAY 18, 1937

2,080,394
WINDOW CLOSURE
Robert L. Ballantyne, Perrysburg, Ohio, Application January 9, 1936, Serial No. 58,381
6 Claims. (Cl. 20—56.5)



1. In combination, a frame carrying a glazed surface, a second frame supporting said frame, and a plurality of sheets of flexible transparent material secured to said second frame and spaced from said glazed surface.

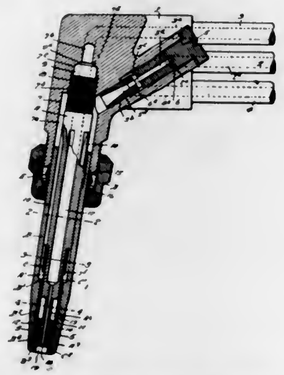
2,080,395
BRAKE DRUM AND BACKING PLATE COMBINATION
Russell S. Begg, Shaker Heights, and Rudolph H. Thoms, Cleveland, Ohio, assignors to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application March 2, 1931, Serial No. 519,352
5 Claims. (Cl. 188—218)



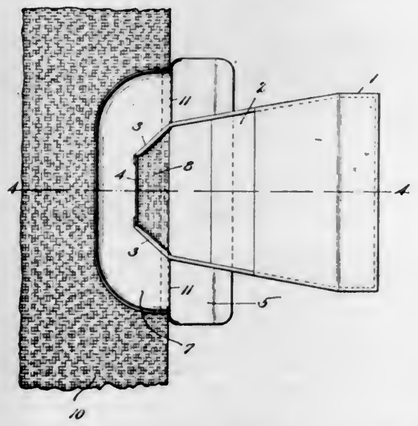
1. In a brake drum and backing plate combination a drum member and a backing plate member adapted to be secured thereto in axial alignment therewith, a plurality of projections on one of said members, an annular flange on the other member and said flange having recesses complementary to and adapted to receive said projections for securing the members against relative rotation about the common axis.

2,080,396
APPARATUS FOR GAS-CUTTING AND WELDING OF METALS
Lorn Campbell, Jr., Lakewood, Ohio
Application July 15, 1935, Serial No. 31,323
14 Claims. (Cl. 158—27.4)

1. A blowpipe comprising in combination a head having a passage therein for cutting oxygen and a passage for a preheating mixture of oxygen and a combustible gas, and a tip mounted in said head and having a bore adapted and arranged to receive cutting oxygen from the corresponding passage in said head and having one or more delivery passages for the preheating mixture spaced from the delivery end of said bore, the said tip also having communicating passages one of which is adapted to receive at one end thereof the mixture from the appropriate passage in said head, the communicating passages in said tip being adapted and arranged to circulate the mixture thus received in opposite directions and adjacent to the lower end of said tip and between the exterior of the tip and the delivery passage or passages and to deliver the mixture thus circulated to the delivery passage or passages.

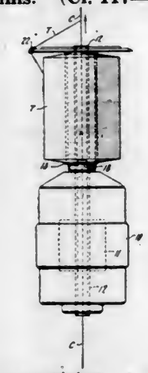


2,080,397
EDGE SEALER FOR FABRICS
Jerome E. Cook, Larchmont, N. Y., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn., a corporation of Massachusetts
Application October 23, 1935, Serial No. 46,286
10 Claims. (Cl. 91—62.5)



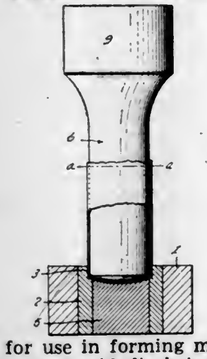
1. An edge sealer for sealing the edge threads of floor coverings, such as carpets, comprising a container for holding the sealing material having an unobstructed delivery opening for delivering the sealing material to the carpet edge, and a carpet edge engaging portion communicating with the delivery opening so that as the sealer is pressed against and moved along the carpet edge the sealing material will be delivered to seal the edge threads against raveling.

2,080,398
WINDER
Harry E. Cooper, Providence, R. I., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application April 28, 1936, Serial No. 76,730
6 Claims. (Cl. 117—42)



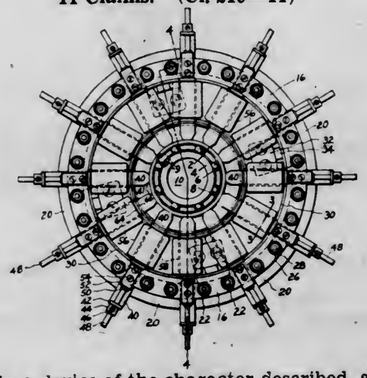
1. A winder comprising a hollow spindle through which a filament may pass, means for rotating said spindle, a package support mounted upon said spindle to rotate therewith and provided with a head at one end, a traveler ring secured to said head to be supported thereby and to rotate therewith, and a traveler slidably mounted upon said ring.

2,080,399
METAL CONTAINER EXTRUSION DIE
Cyril P. Deibel, Lakewood, Ohio
Application November 7, 1935, Serial No. 48,725
8 Claims. (Cl. 207—17)



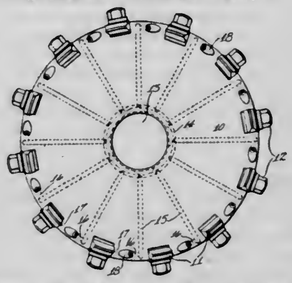
6. A die for use in forming metal cans by an extrusion process, said die being made up of a plurality of parts and including a die holder having an opening therein, a sleeve fitting within said opening, the working face of said sleeve having a substantially straight portion and an inwardly offset, narrow, shouldered portion, an anvil fitting within said inwardly offset shouldered portion and cooperating therewith to provide a die cavity, the crack between said anvil and sleeve being disposed below the plane where the greatest radial forces occur and inwardly of the substantially straight portion of said sleeve whereby the metal is caused to flow in a substantially radial direction across the crack, said sleeve being formed of a metal of such hardness that it will withstand great wear and said anvil being formed of a metal which is better adapted for withstanding high pressure.

2,080,400
HEATING APPARATUS
Gustav Fredrickson, Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 5, 1934, Serial No. 756,112
11 Claims. (Cl. 219—11)



1. In a device of the character described, a core comprising a series of arcuate laminations, laminated plungers movable radially of said arcuate laminations, and coils surrounding the laminated plungers; substantially as described.

2,080,401
GEAR CUTTER
August C. Heard, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application April 9, 1935, Serial No. 15,417
3 Claims. (Cl. 29—106)

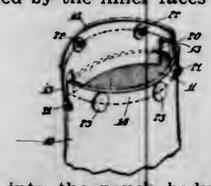


2. A face-mill gear cutter comprising a rotary head and a plurality of circularly arranged cutting blades which project beyond one side face of the head in the general direction of the axis of the head, said head having a central bore and having a plurality of shallow depressions formed in said side face, respectively, one for each cutting blade and spaced from the front face of each blade, and said head having ducts formed therein to connect said bore with said depressions, said depressions being so formed as to direct coolant at the front faces of the blades and angularly toward their tips.

2,080,402
TOBACCO POUCH
Harry O. Herman, Yeadon, Pa.
Application June 24, 1935, Serial No. 28,063
2 Claims. (Cl. 206—41)

1. As an article of manufacture, a pouch including a body having a mouth, said body having

oppositely disposed slits extending downwardly a short distance from the edge of the mouth to define lips capable of being swung outward, and flaps carried by the inner faces of said lips and

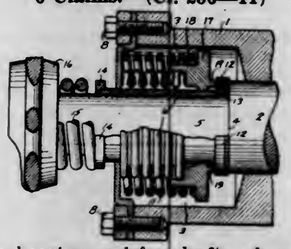


projecting into the pouch body a distance approximately equal to the length of the slits for insertion in and engagement with the edges of the opened end of a bag contained in said pouch.

2,080,403
SHAFT SEALING DEVICE FOR REFRIGERATORS

John L. Homan, Dayton, Ohio

Application March 14, 1936, Serial No. 68,845
6 Claims. (Cl. 286—11)



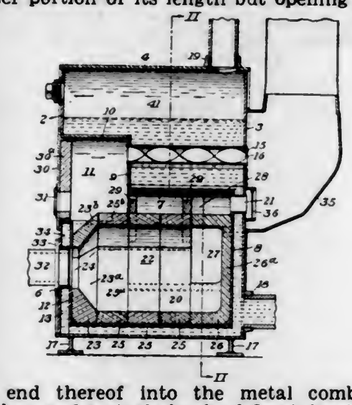
2. In a bearing seal for shafts wherein a non-revoluble sealing collar is spring pressed against a rotating bearing surface, characterized by a hardened bearing collar surrounding a shaft against which the sealing collar bears, an abutment shoulder on the shaft, a gasket interposed between the bearing collar and the abutment shoulder upon the shaft, a thrust sleeve independent of the hardened bearing collar surrounding the shaft and bearing at one end upon the hardened bearing collar, and means transmitting to the sleeve axial thrust pressure against the bearing collar independently of and greater than that exerted by the spring pressed sealing collar to thereby rotate the bearing collar with the shaft against frictional influence of the sealing collar, said means for transmitting axial thrust pressure against the bearing collar being adjustable to vary the thrust pressure of the sleeve against the bearing collar without effecting a variation in the pressure exerted on the bearing collar by the spring pressed sealing collar.

2,080,404
BOILER

Louis N. Hunter and John W. Hall, Johnstown, Pa., assignors to National Radiator Corporation, Johnstown, Pa., a corporation of Maryland

Application May 2, 1935, Serial No. 19,401
8 Claims. (Cl. 122—149)

3. A boiler comprising a shell structure having front and rear plates and an enclosing wrapper sheet, a metal combustion chamber inside the shell positioned adjacent to the bottom thereof but spaced away from the bottom, the forward end of the metal combustion chamber being provided with an uptake, and a refractory combustion chamber eccentrically positioned in the metal combustion chamber and supported on the bottom of said metal combustion chamber in heat conducting relation thereto, said refractory combustion chamber being closed throughout the greater portion of its length but opening at the

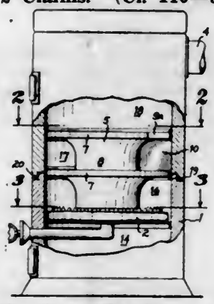


rear end thereof into the metal combustion chamber, and a single bank of fire tubes leading from the uptake to the back wall of the boiler, the metal combustion chamber having end walls which constitute water walls of the boiler.

2,080,405
FURNACE BAFFLE

Irving J. Hussey, San Francisco, Calif.

Application July 3, 1935, Serial No. 29,663
2 Claims. (Cl. 110—97)



1. In combination with a furnace having a combustion chamber and means for producing a flame adjacent the bottom of said chamber, a plurality of spaced refractory baffles stacked above said flame, each of said baffles having a horizontal partition extending to the side walls of said combustion chamber, and thereby dividing said combustion chamber into separate auxiliary chambers and each having an opening in said partition to allow passage of gases therethrough, the openings in adjacent baffles being offset to cause said gases to circulate within said auxiliary chambers during passage of said gases through said combustion chamber, and a vertical partition extending along a radius of each baffle for preventing more than one traversal of each chamber by said gases.

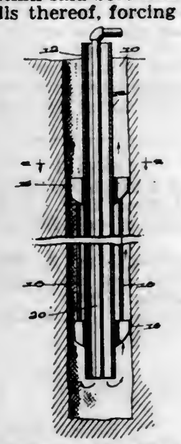
2,080,406
WELL AND METHOD OF CONSTRUCTING AND CEMENTING SAME

Jack W. Allen, Dallas, Tex.

Application September 12, 1933, Serial No. 689,139
8 Claims. (Cl. 166—21)

2. The method of constructing wells which comprises coating a tubular form externally with a meltable substance which becomes hardened at ordinary temperatures, drilling a well bore of

greater diameter than the form, positioning said coated form within said bore and in spaced relation to the walls thereof, forcing a cementitious

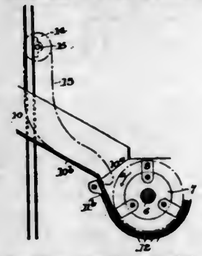


substance into the space between said form and walls, heating said form to a degree sufficient to melt said substance and releasing the form from the cement, and withdrawing said form.

2,080,407
CRUSHING MACHINERY

William A. Battey, Haverford, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y., a corporation of New York

Application November 2, 1932. Serial No. 640,847
2 Claims. (Cl. 83—44)



2. The combination with crushing mechanism including a frame providing a crushing chamber and a fixed breaker plate forming the impact wall of such crushing chamber and over which material to be crushed is delivered, of rotating crushing means cooperating with said breaker plate, a freely supported endless chain extending into such crushing chamber adjacent to and overlying the breaker plate; the material to be crushed passing beneath and in contact with the chain and with the breaker plate surface which is kept clean by contact with such material as it passes beneath the chain, and means for moving said chain.

2,080,408
SULPHUR STABILIZATION AND PRESERVATION

John B. Ceccon, San Francisco, Calif., assignor to San Francisco Sulphur Company, a corporation of California

No Drawing. Application October 2, 1936. Serial No. 103,716
5 Claims. (Cl. 23—243)

1. Free flowing finely divided dry sulphur containing about 1% of a carbo-cyclic organic compound containing nitrogen in combined form to impart basic properties to said compound, said compound being a liquid at about 120° C. and a solvent for sulphur and soluble in molten sulphur.

2,080,409
SULPHUR STABILIZATION AND PRESERVATION

John B. Ceccon, San Francisco, Calif., assignor to San Francisco Sulphur Company, a corporation of California

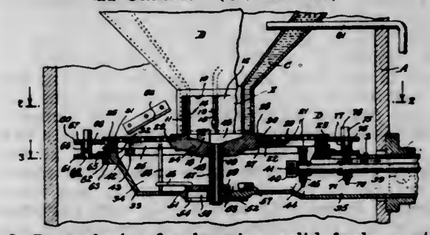
No Drawing. Application October 2, 1936, Serial No. 103,717
7 Claims. (Cl. 23—243)

1. Free flowing finely divided dry sulphur containing about 1% of a heterocyclic nitrogen containing compound having at least five members in the ring.

2,080,410
BURNER FOR SOLID FUELS

Virginius M. Cruikshank, Shamokin, Pa.

Application September 1, 1933, Serial No. 687,734
11 Claims. (Cl. 110—36)

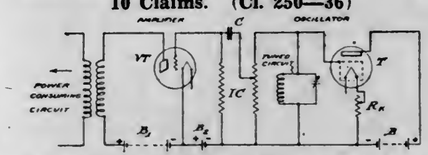


8. In a device for burning solid fuels, a stationary upright tubular fuel conductor having an open lower end provided with a notch defining a side outlet through which the fuel is adapted to be discharged, a rotary fuel support underlying and closing the lower end of the conductor and extending outwardly therebeyond, and means for rotating said support, said fuel outlet having a curved guide wall towards and against which the fuel rotated by the fuel support is impinged and by which wall said fuel is directed radially outward and is caused to be moved radially over said support.

2,080,411
THERMIONIC OSCILLATOR

Keith B. Eller, Metuchen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

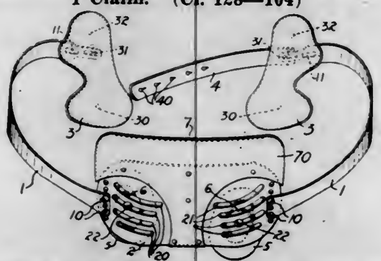
Application April 19, 1934, Serial No. 721,391
10 Claims. (Cl. 250—36)



1. In an oscillation producing system employing a gaseous arc discharge tube having anode, cathode and a grid or control element for starting and stopping the anode-cathode current and a resonant oscillatory circuit included in the grid circuit for determining the period of oscillations produced, the method of producing free oscillations in the resonant circuit unaffected by any damping due to cathode-anode losses which comprises initiating a current in the cathode-anode circuit, producing a grid circuit current from the cathode electron stream to excite the resonant circuit and applying the negative potential of the second half cycle of the resulting

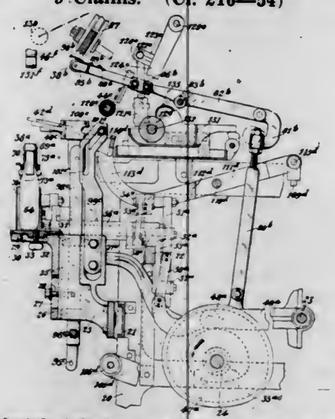
oscillations to quench the tube, thereby rendering the resonant circuit independent of the tube constants.

2,080,412
TRUSS
Henry C. Engberg, Seattle, Wash.
Application June 19, 1933, Serial No. 676,515
1 Claim. (Cl. 128—104)



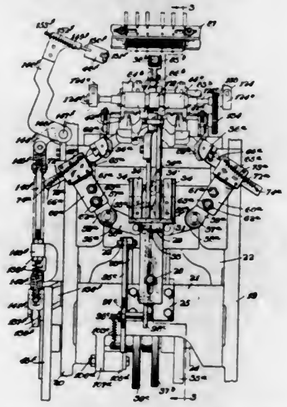
A hernia truss comprising, in combination, two metal body bands, a single, continuous front plate, means adjustable to raise or lower the body-engaging portion of said bands with respect to the front plate, to secure the front ends of said bands one to each side of said front plate in the desired adjusted position, two elongated back plates, one supported from each body band to react against the wearer's body one at each side of the spine well below said bands, means, adjustable to vary both the angular and translational relation of said bands and said back plates, to fix the back plates in the desired relationship to said bands, a pressure pad, and means cooperating between the pad and the front plate to interconnect the two in any desired one of a plurality of possible vertical and transverse relations of the pad and plate, whereby the pressure pad will be held securely in the proper place upon the wearer's body, and the other truss parts will be supported comfortably on the wearer with a minimum of bending and distortion of the parts.

2,080,413
BOTTLE LABELING MACHINE
Edward Ermold, New York, N. Y.; Watson A. Guthrie executor of said Edward Ermold, deceased
Application May 2, 1934, Serial No. 723,432
9 Claims. (Cl. 216—54)



4. A bottle labeling machine having a movable member, a stationary head, a yoke-shaped label-bending device arranged on the head for independent movement, a guide having a slot with a portion disposed at an angle to the direction of movement of said member, and a connection on said device engaging said slot to cause independent movement of said device when upon the movement of said member said connection moves in said angular portion of the slot.

2,080,414
BOTTLE LABELING MACHINE
Edward Ermold, New York, N. Y.; Watson A. Guthrie executor of said Edward Ermold, deceased
Original application May 2, 1934, Serial No. 723,432. Divided and this application March 15, 1935, Serial No. 11,223
9 Claims. (Cl. 91—18)

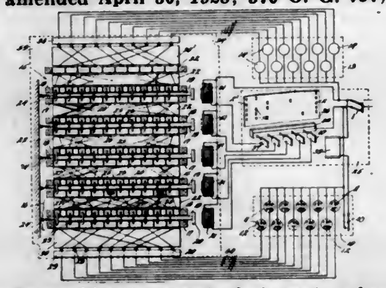


1. Reciprocating pasting mechanisms for a reciprocating label carrier having spaced apart plates, operable from the mechanism for operating the label carrier, said pasting mechanisms comprising an adhesive transfer roll arranged to operate transversely of the path of movement of the carrier and having spaced sections for contact by said plates whereby to supply paste to said plates, and also having a third section between said spaced sections, and a label applicator roll arranged to operate to a position for contact by said third section when said plates contact said spaced sections, the effective surface of said third section and said applicator roll in their longitudinal direction being of less extent than that of the space existent between said spaced apart plates.

2,080,415
HYDROCARBON OIL TREATMENT
Seymour W. Ferris, Aldan, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 25, 1933, Serial No. 662,840
18 Claims. (Cl. 196—13)

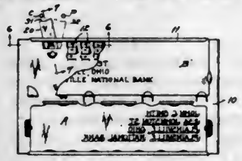
1. In the art of refining mineral oils, the process which comprises separating an oil containing liquid paraffinic and naphthenic hydrocarbons into fractions respectively richer in liquid paraffinic and naphthenic compounds by extracting said oil with quinoline at a temperature below the temperature at which the oil is substantially completely miscible with the quinoline.

2,080,416
MESSAGE AUTHENTICATING SYSTEM
William F. Friedman, Washington, D. C.
Application June 26, 1935, Serial No. 28,500
43 Claims. (Cl. 35—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination a set of character elements constituting a keyboard, an electric switch individual to each element and operable thereby, a corresponding number of electric responsive devices operable by said elements, a smaller number of character indicators cumulatively operable by said devices, and a wiring system electrically connected between said switches and said devices providing a multiplicity of potentially available electrical paths for the passage of electric current between said switches and said devices, said wiring system comprising variably adjustable members to select a group of said paths.

2,080,417
INDEX DEVICE
Walter T. Gollwitzer, Cleveland, Ohio, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application September 15, 1934, Serial No. 744,117
22 Claims. (Cl. 129—16.8)

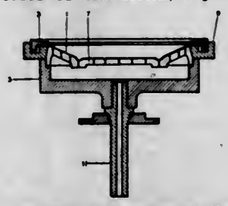


4. The combination of an index tab with a plate to be indexed, said plate having an offset strap with two shoulders thereon, the tab adapted to be pivotally connected to the plate and having a spring tongue adapted to coact with either shoulder.

21. A tab made of a single piece of material and having at its lower end a central tongue materially narrower than the body of the tab and a shoulder projecting from the face of the tab adjacent the junction of the body and tongue, the upper end of the tab being recessed by an obtuse re-entrant angle.

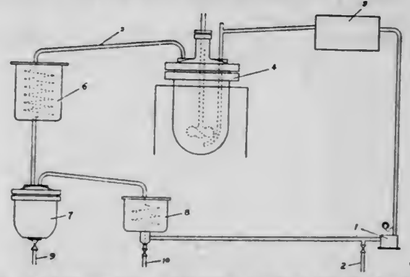
2,080,418
APPARATUS FOR MAKING CERAMIC ARTICLES
Robert E. Gould, Norris, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala., a corporation of the United States
Application March 9, 1936, Serial No. 67,936
5 Claims. (Cl. 25—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an apparatus for making ceramic articles in which one side of the article is formed on a rotatable molding head and the other side of the article is formed by a tool having a profile complementary to one-half the profile of the side of the vertical section of the article being formed by the tool as the head rotates, the combination which comprises, a rotatable head with, a cylindrical shell, a base at the bottom of the shell, a hollow shaft connected to the base and communicating with the interior of the head, a perforated dia-



phragm support fitted on top of the cylindrical shell, a conical ring clamp holding the diaphragm support in place, a thin, fluid pervious diaphragm of uniform thickness held in place in the diaphragm support, a ring clamp for holding the fluid pervious diaphragm in place, and means for alternately applying sub-atmospheric and super-atmospheric pressure beneath the fluid pervious diaphragm.

2,080,419
PROCESS FOR PRODUCING HIGHER FATTY ALCOHOLS
Stanley Joseph Green, Blackley, Manchester, England
Application February 15, 1935, Serial No. 6,756
In Great Britain February 16, 1934
10 Claims. (Cl. 260—156)

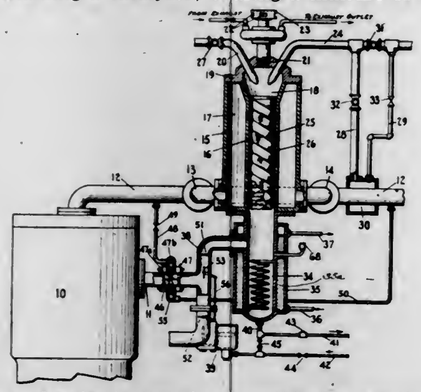


1. A process for producing higher fatty alcohols from higher fatty acids and esters which comprises suspending a non-ferrous hydrogenating catalyst in the substance to be reduced, maintaining such suspension under a temperature of above 200° C. and a pressure of between 20 and 150 atmospheres, and rapidly passing therethrough a stream of hydrogen gas, the amount of such hydrogen gas being sufficient to remove from the reaction zone the higher fatty alcohols produced before said alcohols are further reduced.

2,080,420
METHOD OF CHARGE FORMING
John T. Havekost, Jackson Heights, N. Y., and Otto K. Zwingenberger, Elizabeth, N. J.; Paula Zwingenberger, administratrix of said Otto K. Zwingenberger, deceased, assignor to said Havekost
Application July 11, 1930, Serial No. 467,212
Renewed May 15, 1936
13 Claims. (Cl. 123—133)

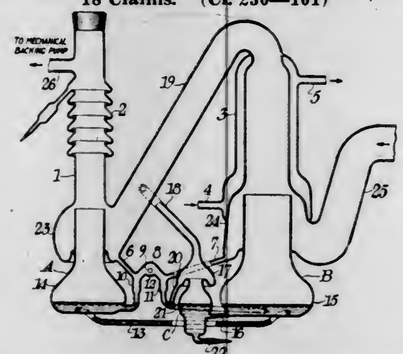
1. The method of producing from a high boiling fuel oil a continuous and self-maintaining sup-

ply of fuel for a gasoline internal combustion engine, said method comprising: heating to a predetermined reaction temperature a reaction zone connected with the intake of said engine and containing a catalyzer; causing a mixture of oil,



air and water to react in aforesaid zone; continuing the reaction by its own exothermic heat; producing gaseous reaction products in excess; condensing the excess of the gaseous reaction products; and feeding said condensate to the carburetor of said engine.

2,080,421
VACUUM PUMP
Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application June 21, 1935, Serial No. 27,652
18 Claims. (Cl. 230—101)

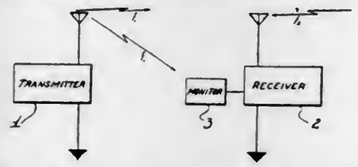


1. A vacuum pump of the diffusion type adapted to employ a mixed organic liquid as a working fluid, comprising in combination, means for producing a stream of vapor, a condensing element, at least one jet through which the stream of vapor flows to the condensing element, means for returning condensate from the condensing element to the vapor producing means, a conduit communicating with the jet and ultimately with the space being exhausted, a conduit communicating with the condensing element and a source of suction, and means located on the low vacuum side of the pump for separating and segregating the more volatile components, condensed in the condensing zone, from the pumping fluid and preventing return of said volatiles to the high vacuum side of the pump.

2,080,422
PASSIVE HYDRAULIC MEDIUM
Kenneth Harry Hoover, Deerfield, Ill., assignor to Association of American Soap & Glycerine Producers, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 30, 1934, Serial No. 733,240
6 Claims. (Cl. 252—5)

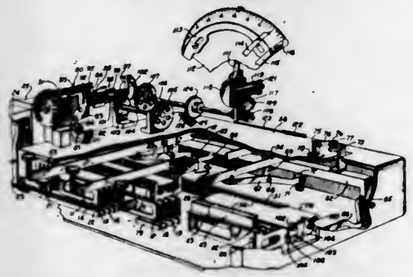
1. An anti-corrosive, hydraulic medium comprising a composition containing an alcohol in sufficient quantity to materially and effectively lower the freezing point, water, and corrosion inhibiting quantities of urea.

2,080,423
MONITORING SYSTEM
James M. Kane, Los Banos, P. I.
Application May 16, 1934, Serial No. 725,878
15 Claims. (Cl. 250—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



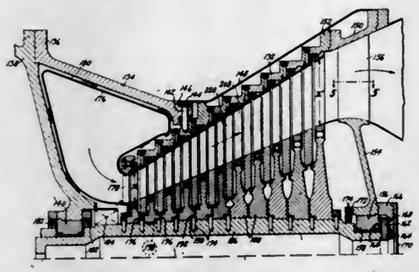
14. In a two-way radio communication system including a local modulated transmitter, a signal receiving system comprising a signal receiving circuit and a monitor circuit, said monitor circuit comprising means for impressing signal energy from the local modulated transmitter of said two-way communication system upon said receiving circuit at a frequency different from the frequency of said signal energy for observing the condition of operation of said local transmitter.

2,080,424
KEYBOARD PERFORATOR AND COUNTER
Edward S. Larson and Carl A. Levin, Chicago, Ill., assignors, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware
Application April 27, 1935, Serial No. 18,574
17 Claims. (Cl. 164—112)



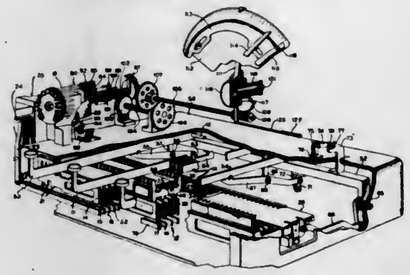
1. In combination with a device for producing strips to control composing machines, a plurality of keylevers, a selecting mechanism operable in accordance with the operation of said keylevers comprising a detachable and interchangeable code bar unit provided with a plurality of pairs of coded elements selectively and operatively related thereto, means facilitating the pairing indiscriminately of said elements, and means facilitating the insertion of interchangeable units.

2,080,425
TURBINE
Alf Lysholm, Stockholm, Sweden, assignor to Aktieboiaget Milo, Stockholm, Sweden, a corporation of Sweden
Application February 9, 1934, Serial No. 710,465
In Germany February 10, 1933
27 Claims. (Cl. 253—69)



1. A gas turbine for extracting energy from gaseous motive fluid at an admission temperature of at least 800° C. absolute comprising a rotor, a circumferentially integral casing of generally conical form increasing in diameter from the inlet to the outlet end of the turbine in a series of cylindrical steps, there being one step for each stage of the turbine, said rotor comprising a plurality of rows of moving turbine blades, and a plurality of rows of stationary guide blades between said rows of moving blades, said rows of stationary guide blades comprising stepped outer blade rings having outer surfaces cooperating with the stepped surfaces of the casing, said blade rings being insertable and removable axially of and independently expansible in radial direction with respect to said casing and radially extending pins for securing the said rings in said casing.

2,080,426
KEYBOARD PERFORATOR AND COUNTER
Berthel F. Madsen, Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware
Application April 27, 1935, Serial No. 18,575
10 Claims. (Cl. 164—112)



1. In combination with a device for producing control strips for linecasting machines, including a plurality of keylevers, a selecting mechanism operable in accordance with the operation of said keylevers, a detachable and interchangeable code bar unit provided with a plurality of coded elements selectively and operably related to said keylevers and said selecting mechanism, and self-acting means to enable the ready insertion and removal of said coded elements.

2,080,427
CLOSURE FOR COLLAPSIBLE TUBES AND CONTAINERS
Frank McLaughlin, Toronto, Ontario, Canada, assignor to Marion Fredenburg, Toronto, Ontario, Canada
Application September 9, 1935, Serial No. 39,811
9 Claims. (Cl. 221—60)



1. A collapsible tube or container having an outlet in its head; an annular flange surrounding said outlet and in spaced relation thereto; a cap sleeved on said flange, said cap having an outlet in its head; a valve controlling the outlet in the cap; a stem connected with the valve; a guide on said stem slidably engaging the inside of the flange, a spring engaging the under side of the head of the cap and the upper side of said guide normally tending to hold the valve seated, the central portion of said guide being formed as a valve to close the outlet in the tube when the cap valve is in seated position.

2,080,428
RECIPROCATING MECHANISM
Edward J. McMahon, Bronson, Mich., assignor to Bronson Reel Company, Bronson, Mich., a corporation of Michigan
Application September 19, 1932, Serial No. 633,794
Renewed June 3, 1935
15 Claims. (Cl. 242—84.4)

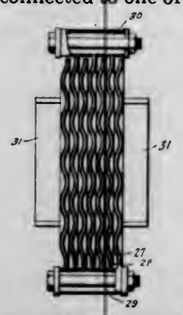


3. In a reciprocating mechanism, the combination with a rotatable shaft having direction reversing threads thereon; of a carriage having a bore through which the shaft passes, said carriage being slidable on the shaft over the threads; a relatively narrow slot in said carriage intersecting said bore; a flat pawl in said slot having blade portions at each end, one of said blade portions being projected into the bore to engage the threads, said pawl being spaced from the walls of said slot to be canted therein upon actuation by the threads; and means carried by the carriage for retaining the blade portion in engagement with the threads, said means permitting canting of the pawl but preventing movement thereof outwardly of the slot.

2,080,429
ANEROID CONDENSER
James A. McNally, United States Navy
Original application November 3, 1931, Serial No. 572,817. Patent No. 2,044,009. Divided and this application February 20, 1936, Serial No. 64,889
5 Claims. (Cl. 175—41.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A condenser comprising two partially evacuated chambers, and a plurality of equidistantly spaced hollow plates in communication with each chamber, the said plates having flexible,

electrically conducting walls and being disposed with the plates connected to one of said chambers



intercalated between those connected to the other of said chambers and spaced therefrom.

2,080,430

PRODUCT FOR STIMULATING BLOOD CELL FORMATION AND METHOD OF MAKING IT

Roger S. Morris and John H. Foulger, Cincinnati, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application February 27, 1934, Serial No. 713,129

6 Claims. (Cl. 167—74)

1. The method of concentrating natural crude gastric liquid contents for the treatment of anemia by parenteral administration comprising the steps of pressing the liquid substance from the stomach contents of freshly slaughtered animals, concentrating the press juice in vacuo below 40° C., then adding an organic solvent which is miscible with water and distills alone or as a constant boiling mixture with water below 100° C. to remove the inactive matter in the nature of inorganic salts and protein material by precipitation and filtration, then neutralizing the concentrate to approximate neutrality to litmus with $NaHCO_3$, then evaporating to further concentrate to dosage potency and sterilizing it.

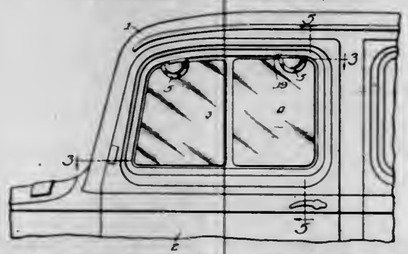
2,080,431

AIR DEFLECTOR

Willard L. Morrison, Chicago, Ill.

Application August 31, 1932, Serial No. 631,136

15 Claims. (Cl. 296—84)



11. An air deflector for a side window of an automobile, comprising a main sliding window, a plate of glass on the outside of said sliding window having two separated substantially horizontal edges, said plate of glass pivotally mounted in position so that it may be moved about a generally vertical axis intermediate its ends to angular positions with relation to the sliding glass window, and means for swinging one of the horizontal edges of said plate of glass bodily away from said sliding window for securing access to the outer face of said sliding window and the inner face of said plate of glass for cleaning purposes, while the plate of glass is being supported by the window frame.

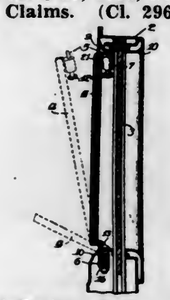
2,080,432

DRAFT DEFLECTING DEVICE

Willard L. Morrison, Chicago, Ill.

Application June 19, 1933, Serial No. 676,456

6 Claims. (Cl. 296—84)



1. A draft deflecting device comprising a sliding window, a deflector element pivotally connected at its upper and lower edges in the window frame outside of the sliding window so that it may be moved to angular deflecting positions, a second pivotal connection at the bottom of said deflector element having its axis extending lengthwise of the automobile, the upper pivot being movable so that said deflector element may be moved out of engagement with the window frame to move the deflector element about said second bottom pivot.

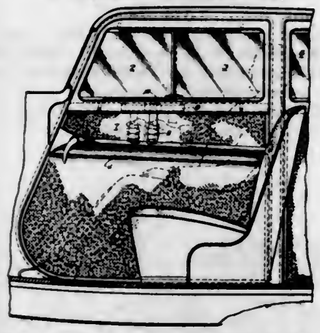
2,080,433

AUTOMOBILE

Willard L. Morrison, Lake Forest, Ill.

Application October 4, 1933, Serial No. 692,083

7 Claims. (Cl. 296—44)



5. An automobile comprising a body, an arm rest on the interior of said body and a hand hold above said arm rest to be grasped by the hand of the occupant when the arm of the occupant is on the arm rest, the automobile body being provided with a recess into which the hand hold and arm rest are received so as to be out of the way.

2,080,434

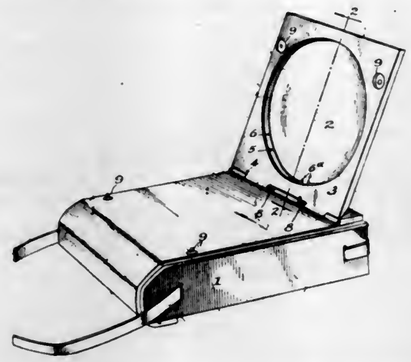
ILLUMINATION REFLECTOR FOR USE IN PHOTOGRAPHY

Donald W. Norwood, Pasadena, Calif.

Application August 31, 1934, Serial No. 742,235

6 Claims. (Cl. 88—74)

1. A device for use in the secondary illumination of photographic subjects comprising: a camera carrying-case; and a reflector hingedly mounted upon said carrying-case for angular adjustment and positioning relative thereto and



having a non-planar reflecting surface conforming to a surface of revolution and having its marginal portions of greater surface curvature than the central portion thereof.

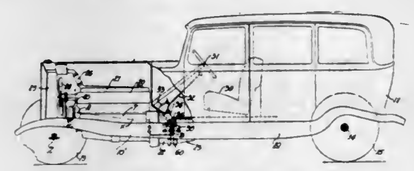
2,080,435

MOTOR VEHICLE

Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Original application December 5, 1932, Serial No. 645,711. Divided and this application March 26, 1934, Serial No. 717,357. Renewed January 16, 1936

8 Claims. (Cl. 180—64)



1. In a motor vehicle, the combination of a supporting frame, an engine unit including a clutch, means for yieldingly supporting the engine unit on the frame, a clutch operating lever mounted on the frame, a link connection from the clutch lever to the clutch, and a rigid guide link universally connected at its ends to the frame and engine unit respectively.

2,080,436

SYNTHETIC RESIN AND METHOD OF PRODUCING

Ernest G. Peterson, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 12, 1935, Serial No. 1,502

26 Claims. (Cl. 260—8)

1. A synthetic resin comprising a reaction product of an alcohol and an acidic composition comprising a reaction product of the simultaneous reaction of a terpene hydrocarbon of the formula $C_{10}H_{16}$ and possessing no conjugated system of double bonds, maleic anhydride and a compound containing the abietyl radical.

2,080,437

PAPER MANUFACTURE

Harold Robert Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts

No Drawing. Application October 15, 1934, Serial No. 748,423

26 Claims. (Cl. 92—40)

26. In a method of manufacturing substantially white paper wherein there is employed alkaline filler comprising substantially water insoluble alkaline earth metal compound, that step which comprises effecting the precipitation in a paper web of substantially white substantially water insoluble compound from a web-applied solution of a compound of a metal selected from the group consisting of barium, zinc, lead, tin, antimony, bismuth, titanium and zirconium, there being formed in said web in association with said precipitated compound by an action upon said alkaline filler a compound of alkaline earth metal radicle of said alkaline filler.

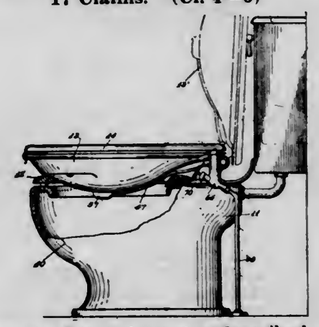
2,080,438

BIDET

Ippolito Salvoni, New York, N. Y., assignor of forty-four per cent to Riccardo Salmona, New York, N. Y., and twelve per cent to Edward Q. Jackson, Jackson Heights, N. Y.

Application June 17, 1936, Serial No. 85,649

17 Claims. (Cl. 4—6)



1. A bidet of the character described, adapted to be pivotally mounted on top of a closet bowl, the basin portion proper of said bidet rearwardly extending beyond the edge of the bowl.

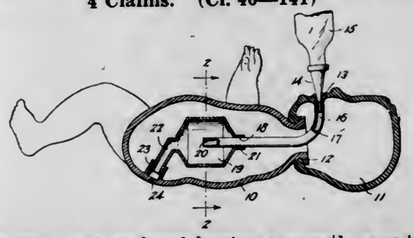
2,080,439

DOLL

Edward G. Schaeffer, Brooklyn, N. Y.

Application February 25, 1936, Serial No. 65,671

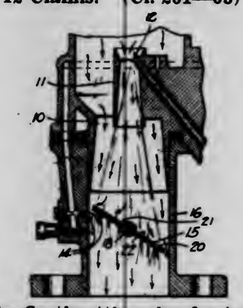
4 Claims. (Cl. 46—141)



1. In a doll, a head having a mouth opening, a hollow body having a neck portion over which the head is adapted to fit and provided with an opening communicating with the interior of the body, and said body having a fluid escape opening in the lower portion thereof, a collapsi-

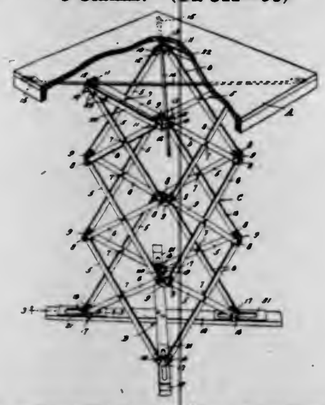
ble resilient receptacle adapted to be collapsed and inserted within the body through the neck opening and having inlet and outlet openings, a conduit connected to the head in surrounding relation with the mouth opening, extending into the interior of the receptacle through the inlet opening therein and terminating in spaced relation with the walls of the receptacle so as to prevent the counterflow of the liquid from the receptacle through the said conduit, and a discharge conduit communicating with the outlet opening of the receptacle and connected with the body in surrounding relation with the escape opening.

2,080,440
CARBURETOR
Harry T. Scott, Los Angeles, Calif.
Application October 4, 1935, Serial No. 43,607
12 Claims. (Cl. 261—65)



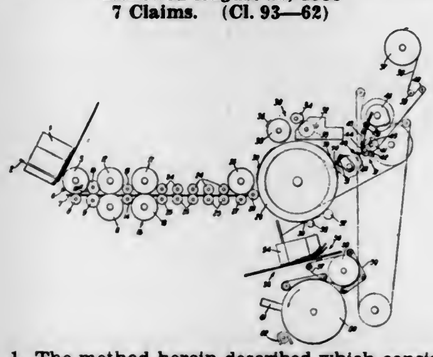
11. A butterfly throttle valve for internal combustion engines comprising a disk having a liquid fuel collecting groove in one face adjacent to and approximately concentric with its periphery; and means defining an orifice in the valve leading from the groove to the other face of the valve.

2,080,441
COLLAPSIBLE STRUCTURE
Charles T. Shoop, College Point, N. Y.
Application September 28, 1935, Serial No. 42,570
3 Claims. (Cl. 311—95)



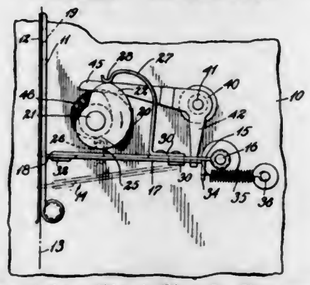
1. A collapsible supporting structure including a base comprising a pair of horizontally disposed crossed members, a head having a supporting top and a pair of crossed members secured at their ends to the underside thereof and a contractible and extensible body comprising a plurality of sets of lazy-tongs arranged in contiguous angularly disposed planes, pivotal connections between the terminals of the tongs of adjacent sets, angle brackets pivotally connecting the adjacent upper ends of the uppermost sets of lazy-tongs, said brackets being apertured to slidably receive the crossed members of the head and angle brackets pivotally connecting the adjacent lower ends of the lowermost sets of lazy-tongs, and said brackets being slidably connected with the crossed members of the base.

2,080,442
ENVELOPE MACHINE
Ferdinand L. Smithe, New York, N. Y., assignor to F. L. Smithe Machine Co. Inc., New York, N. Y., a corporation of New York
Application August 12, 1932, Serial No. 628,494
Renewed August 22, 1935
7 Claims. (Cl. 93—62)



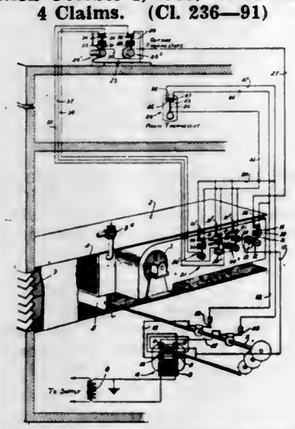
1. The method herein described which consists in feeding blanks from a stack so as to completely individualize them, cutting window openings in the blanks, applying a window patch to each blank and arranging the blanks in fanned-out relation for further operation thereon.

2,080,443
INTERMITTENT MOVEMENT
Edward H. Sperberg, Chicago, Ill.
Application February 1, 1935, Serial No. 4,573
11 Claims. (Cl. 88—18.4)



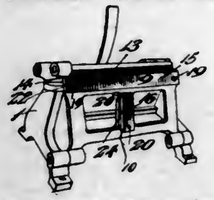
1. In an intermittent film feeding movement for a motion picture apparatus, in combination, a claw device having a body extending away from the film path and being pivoted at one side of the film path, a first upwardly extending cam follower rigidly fastened on said body, a revoluble cam disposed above said body for engagement with said follower, a second cam follower rigidly mounted on said body and extending upwardly and terminating in a downwardly bent portion, a second revoluble cam coaxial with said first cam and arranged for engagement with said bent portion of said second follower, means for revolving said cams, said followers and the faces of said cams being so formed and disposed that upon the revolution of said cams said followers move said claw device in a plane generally parallel to the path of the film, teeth slidably mounted upon said claw device, and means for moving said teeth into and out of the plane of the film path in accordance with the up and down movement of said claw device.

2,080,444
TEMPERATURE REGULATING SYSTEM
Duncan J. Stewart, Rockford, Ill., assignor to Howard D. Colman, Rockford, Ill.
Application October 4, 1934, Serial No. 746,799
4 Claims. (Cl. 236—91)



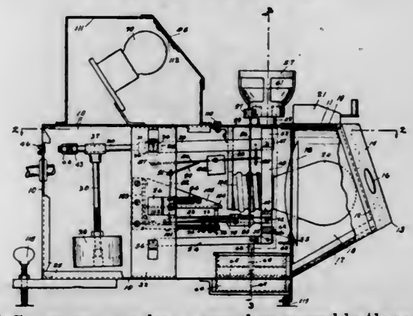
4. An air conditioning system having, in combination, a duct through which a current of air may be circulated into a space to be heated, a heater arranged in heat-exchanging relation to said air current, a regulator controlling said heater, two independently operable thermostatic means each responsive to temperature changes of the air before delivery to said space and respectively controlling said regulator to maintain the temperature of the heated air within a range defined by upper and lower temperature limits, means arranged to detect changes in the temperature of the air delivered to said heater to vary the control point of the one of said thermostatic means establishing said upper limit temperature, and an independent thermostat responsive to temperature changes in said space and operating when the temperature of the delivered air is between said upper and lower limits to vary the temperature of the delivered air in accordance with the heat requirements in said space.

2,080,445
TOPPER STAND PROTECTING DEVICE
Francis Tait, Jr., Philadelphia, Pa., assignor to Howard Hosiery Company, Sinking Spring, Pa., a corporation of Pennsylvania
Application June 9, 1936, Serial No. 84,289
3 Claims. (Cl. 66—148)



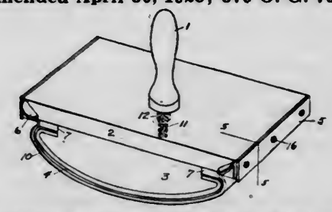
1. The combination with a topper stand the parts of which are secured together by fastening devices which normally tend to snag and damage the body of a stocking, of a protective shield presenting an externally smooth surface and secured to said topper stand in registration with and to cover said fastening devices to prevent their contact with the body of said stocking.

2,080,446
EGG GRADER
James A. Templeman, Seattle, Wash., assignor, by direct and mesne assignments, to Grade-O-Lite, Inc., Seattle, Wash., a corporation of Washington
Application May 7, 1934, Serial No. 724,264
11 Claims. (Cl. 265—49)



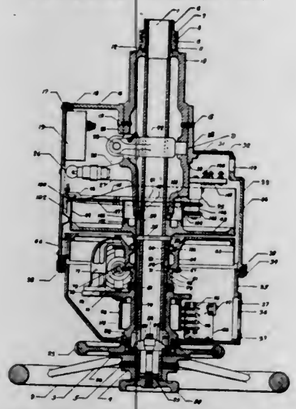
1. In an egg grader, a member movable through a predetermined travel in accordance with the weight of an egg; a relatively light leaf spring fixedly secured at one end portion and having a movable portion positioned in the path of travel of said movable member; an electrical contact means positioned in the path of travel of the movable portion of the said spring and positioned to contact said spring at a predetermined position in the travel of said spring; electrically controlled signal means; and an electrical operating circuit for said signal means, including therein an electrical connection established by contact between the said spring and the said electrical contact means, whereby the operation of said signal means will indicate that the weight of an egg is at least the predetermined amount.

2,080,447
DUPLICATING MACHINE
Louis H. Thompson, Statesboro, Ga.
Application June 23, 1936, Serial No. 86,769
3 Claims. (Cl. 101—125)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



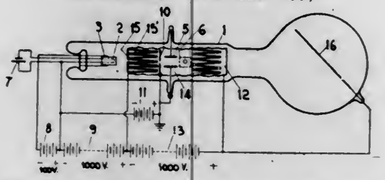
1. A duplicator comprising a support, a platen detachably connected to said support and provided with an arcuate inking surface adapted to receive a stencil, means comprising oppositely positioned abutments including a rigid and a resilient member depending from the end portions of said support, and wedging means comprising stencil bars adapted to cooperate with said first mentioned means to detachably retain the stencil on said arcuate inking surface.

2,080,448
DIRECTION FINDER
Arthur L. Thurston, Wantagh, N. Y., assignor to Airplane and Marine Direction Finder Corporation, Lindenhurst, N. Y., a corporation of Delaware
Application June 28, 1934, Serial No. 732,851
10 Claims. (Cl. 250—11)



1. In a directional system, a directional antenna; a scale; a compass; a repeater motor controlled by said compass, said repeater motor being connected to said scale for operating said scale in accordance with the operation of said compass; and a mechanical connection between said directional antenna and said scale whereby said scale is controlled in accordance with the position of said directional antenna while maintaining said repeater motor control of said scale.

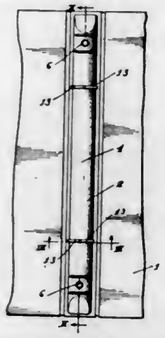
2,080,449
CATHODE RAY TUBE
Manfred von Ardenne, Berlin, Germany, assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Application May 24, 1934, Serial No. 727,206
In Germany June 12, 1933
12 Claims. (Cl. 250—27)



1. The method of operating cathode ray tubes consisting of producing a concentrated electron beam; initially accelerating said beam to a velocity being a fraction of the desired final velocity; subsequently non-uniformly decelerating said beam to a very low velocity; deflecting said beam and re-accelerating the deflected beam for securing a desired final electron velocity.

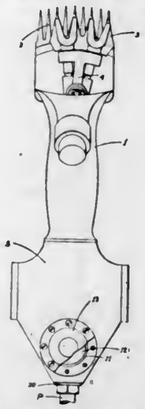
2,080,450
LOOSE LEAF RING BOOK
Thomas Wainwright, Chicago, Ill.
Application June 18, 1934, Serial No. 731,048
4 Claims. (Cl. 129—24)

3. In a loose leaf binder, a flexible cover member, a flexible casing riveted to said cover member at spaced points and having downwardly directed flanges at its side edges, a pair of prong carrying rods having outer portions abutting said flanges and inwardly offset portions in articulated relation, and fulcrum pads beneath the offset por-



tions of said rods secured to said rivets and acting as a fulcrum therefor when said casing is pressed downwardly between said rivets for forcing the outer portions of said rods downwardly.

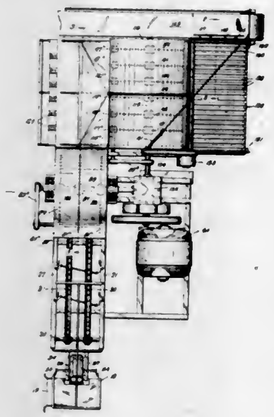
2,080,451
SHEEP SHEARS
William H. Wilcox, Stockton, Calif., assignor of one-third to J. G. H. Hill, Stockton, Calif.
Application January 21, 1936, Serial No. 60,077
5 Claims. (Cl. 30—1)



5. A structure as in claim 1, in which said means comprises a finger mounted for oscillatory movement and operatively engaged at one end with the piston to be oscillated thereby with the reciprocating movement of said piston, and a loose play connection between the finger and valve to cause the finger to move the valve from one position to the other only as the piston approaches the end of its stroke in either direction.

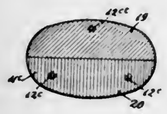
2,080,452
ICE CUTTING MACHINE
Maxwell T. Zeigler, Huntington Park, Calif., assignor, by mesne assignments, to Zeigler Packaged Ice Machinery Corporation, Huntington Park, Calif., a corporation of California
Application November 10, 1933, Serial No. 697,375
16 Claims. (Cl. 143—49)

1. An ice cutting machine comprising, in combination, rip saw means for ripping a block into strips, a power conveyor for moving the block through the saw means, and brackets pivotally mounted behind the saw means for movement about axes extending longitudinally of the power conveyor adapted to receive and support the strips upon passing through the saw means.



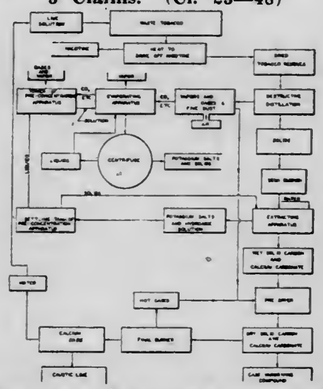
13. An ice cutting machine comprising, in combination, saw means for ripping a block of ice into strips, means for cross cutting the strips into small blocks, an ultimate conveyor, and means for depositing the small blocks on the ultimate conveyor in such a manner that they rest upon a freshly cut side and the dimensions of the blocks defined by the rip saw means extend lengthwise of the ultimate conveyor.

2,080,453
MULTICOLOR INTERCHANGEABLE FLAP FOR LADIES' HANDBAGS
Irving D. Kraut, New York, N. Y.
Application January 11, 1937, Serial No. 119,975
3 Claims. (Cl. 150—42)



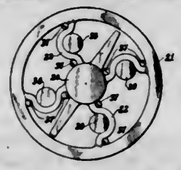
3. A combination multi-color interchangeable flap and ladies' handbag comprising a handbag with an open top, a flap member for closing said open top and engaging across said top and having side arms extending down the sides of said handbag, fastening elements on adjacent faces of said side arms having stud portions, said fastening elements projecting through the sides of said handbag when in closing position and cooperative with complementary fastening elements on the side of the handbag, said complementary fastening elements comprising socket portions and means operable from the inside of the bag when the fasteners on one side are closed for locking said fasteners to prevent opening of the bag from that side, comprising pins engageable through said stud portions of said fasteners when said stud portions are passed through complementary socket portions.

2,080,454
PROCESS FOR UTILIZING WASTE VEGETABLE MATERIAL
Robert B. Arnold, Stonewall Courts, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky., a corporation of Delaware
Application November 10, 1932, Serial No. 642,011
3 Claims. (Cl. 23—48)



1. The process of recovering values from land-plant material having a relatively high content of potassium compounds and also of constituents which when heated will evolve a relatively large amount of volatile combustible material, which consists in progressively feeding such material through a heated zone whose temperature increases in the direction of travel of the material to a point whereby volatile combustible products are evolved, burning a portion only of said volatile combustible products in contact with the plant material, with controlled restricted access of air, to carbonize the material as it reaches the hottest part of the zone, leading off the products of such combustion mixed with the unburned portion of the volatile combustible material, supplying additional air to such mixture while it is still hot, to complete the combustion of the mixture out of contact with the plant material and produce high temperature combustion products rich in CO_2, progressively removing the carbonized material as soon as it has been freed of its volatiles and before its fixed carbon is consumed, extracting the water-soluble compounds from the carbonized products, separating the solution from the solids, and driving off the moisture of the solution from its solids by the heat of said hot combustion products.

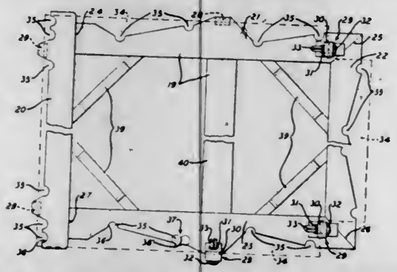
2,080,455
POWER TRANSMITTING DEVICE AND METHOD OF MAKING SAME
John D. Bechtel, East Cleveland, Ohio
Application August 8, 1934, Serial No. 738,997
7 Claims. (Cl. 29—159)



1. The process of constructing a power transmitting device having a hub, a rim, and interconnecting resilient driving members which comprises, upsetting from one integral piece having

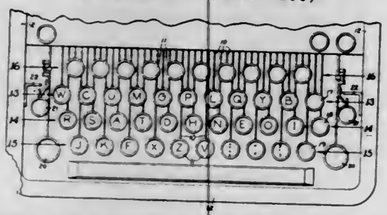
a diameter substantially the same as the hub of said device to form the hub, the rim, and the interconnecting resilient driving members in such manner that the grain flow of the interconnecting resilient members runs radially from said hub and substantially longitudinally of the said driving members to give a good resilient action.

2,080,456
GAUGING DEVICE
Yves A. Bouget, West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 15, 1935, Serial No. 1,833
11 Claims. (Cl. 164—85)



1. A templet freely movable and removable while in use for use with a machine having a material working tool and a fixed circularly arcuate positioning member, the templet having circularly arcuate positioning means thereon complementary to the fixed member on the machine to coact therewith to position work held in the templet positively with respect to the tool.

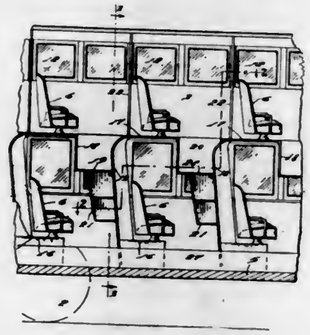
2,080,457
KEYBOARD FOR TYPEWRITERS
Raymond G. Bower, Bloomfield Hills, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application July 6, 1936, Serial No. 88,957
9 Claims. (Cl. 197—100)



1. In a typewriter keyboard, three banks or horizontal rows of keys, the several keys of said banks or rows being so arranged that the middle row or bank contains the letter keys R, S, A, T, D, H, N, E, O and I arranged consecutively, the upper row or bank contains the letter keys W, C, U, M, G, P, L, Q, Y and B, and the lower row or bank contains the letter keys J, K, F, X, Z and V.

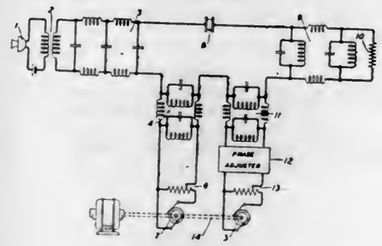
2,080,458
SEATING ARRANGEMENT
William A. Brown, Philadelphia, Pa.
Application May 7, 1935, Serial No. 20,250
5 Claims. (Cl. 296—64)

1. An enclosed passenger seating arrangement for vehicles with side windows, upper and lower compartments in proximity to said windows at one side of the vehicle, said lower compartments having upright partitions extending obliquely



from the entrances to said compartments to the sides of the vehicle, seats in said compartments, and a row of lower seats removed from a side wall of the vehicle.

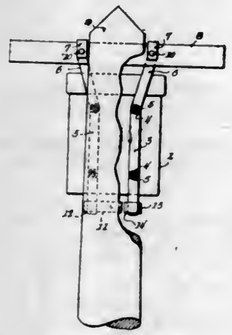
2,080,459
MODULATING SYSTEM
Robert S. Caruthers, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 28, 1935, Serial No. 13,412
10 Claims. (Cl. 179—171)



1. A modulating system comprising a source of modulating waves, a source of carrier waves, a source of harmonic waves of a frequency bearing an integral multiple relation to the frequency of the carrier waves, a third order or cubic modulator for combining waves from all three of said sources to produce modulated carrier waves of a plurality of frequencies, and a load circuit for selecting third order modulation products from the modulated waves so produced.

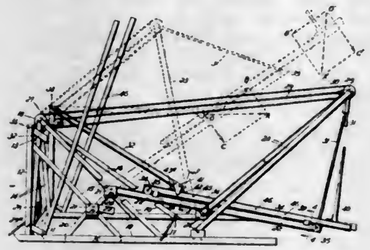
2,080,460
TRANSFORMER BRACE
Homer Churchill, East Orange, N. J., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application November 16, 1934, Serial No. 753,351
2 Claims. (Cl. 248—215)

2. In a transformer hanger having a pair of spaced vertically extending straps, a brace for the lower ends of said straps, said brace comprising a single piece of strip metal having an intermediate arcuate portion and its ends bent to provide substantially parallel portions and U-



shaped arms disposed in a common plane and at right angles relative to the parallel portions.

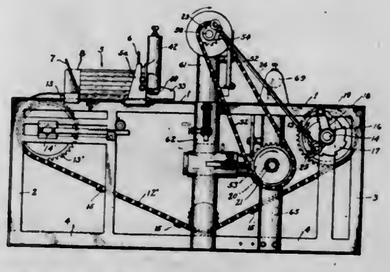
2,080,461
EXTENSION HAY STACKER
Joseph H. Cope, Denver, Colo.
Application April 20, 1936, Serial No. 75,369
10 Claims. (Cl. 214—141)



1. In an extension stacker having a main frame, a lifting arm pivoted thereto, an extension arm slidably supported by the lifting arm, means for elevating the lifting arm by turning it about its pivot, and means for exerting a downwardly and outwardly inclined force on the extension arm for extending it, said means comprising a compression link having one end pivoted to the main frame above the lifting arm pivot, and the other connected with the extension arm, and a bearing on the lifting arm, adjacent its outer end, forming means for supporting the extension arm, the angular relation of the parts and their proportions being so related that the extension arm will be substantially balanced on the bearing during its extension, whereby the frictional resistance to movement of the extension arm will be concentrated at the bearing.

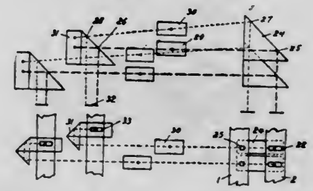
2,080,462
CORRUGATED-FASTENER MACHINE
Albert E. Cranston, Wenatchee, Wash.
Application November 18, 1935, Serial No. 50,371
In Canada March 13, 1935
9 Claims. (Cl. 1—8.1)

1. In a corrugated fastener applying machine, the combination with a fastener driving head, a hopper for complemental board pieces, and means for conveying complemental board pieces simultaneously to the driving head, of a guide fin aligned with the head, a series of rolls arranged at each side of the fin, for conveyance of the board pieces thereacross by the advancing means



and angularly disposed with reference to the direction of travel of the pieces, and whereby the pieces will be held together and advanced while one is held in guiding contact with the fin.

2,080,463
MACHINE FOR THE CONTINUOUS PROJECTION PRINTING OF MOVING PICTURE FILMS
Maurice Albert Dalotel, Colombes, France
Application January 14, 1935, Serial No. 1,802
In France January 19, 1934
4 Claims. (Cl. 88—24)

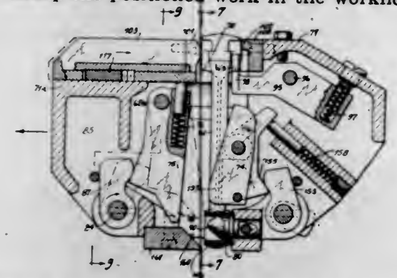


4. In a machine for the continuous projection printing of a plurality of negative films, each on a plurality of positive films, whereby all the films are arranged side by side, means for illuminating the negative films, means for projecting on each positive different adjacent regions of each negative, these means comprising for each positive a first reflecting prism disposed in the path of all the light beams issued from the corresponding elementary regions of all the negatives, parallelly disposed individual objectives the optical axes of which are shifted in respect of the axes of the images of the negative films formed by said reflecting prism, and a second reflecting prism disposed in the path of the elementary light beams issuing in convergent relation from said shifted objectives and projecting said beams side by side on the same positive film.

2,080,464
METAL CUTTING MACHINE
Theodore H. Doan, Shaker Heights, Ohio, assignor to The Foote-Burt Company, Cleveland, Ohio, a corporation of Ohio
Application April 17, 1935, Serial No. 16,844
12 Claims. (Cl. 90—33)

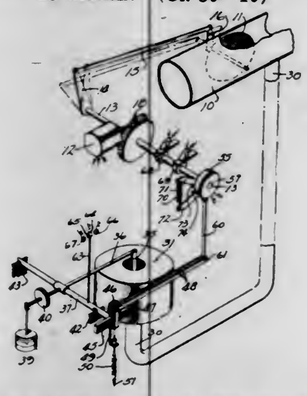
12. A workholder for a metal cutting machine, adapted to receive a workpiece having an opening therein, including a locating pin, means to force the work onto said locating pin, means to

rock the work about the axis of said pin, means to clamp the positioned work in the workholder,



means to release said clamping means and means to eject the work from the locating pin.

2,080,465
PRESSURE CONTROLLING MECHANISM
Frederick W. Ells, Milwaukee, Wis.
Application December 9, 1935, Serial No. 53,599
13 Claims. (Cl. 50—10)



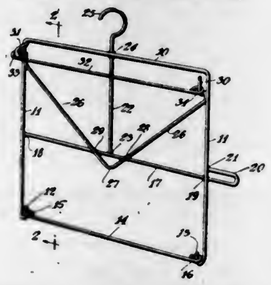
1. The combination with a service main provided with a valve adapted to regulate deliveries of fluid to the main from a source of supply, of motor driven means for actuating said valve toward either full open or closed positions, a movable member responsive to pressure in the main at the delivery side of said valve, a normally inoperative lever responsive to movements of said movable member from normal position, connections associated with said lever for controlling the operation of the motor, means for utilizing valve adjusting movements to progressively apply pressure to said lever in opposition to that exerted by said movable member, and means for immediately relieving the said lever from such opposing pressure when the motor stops, whereby the movable member is again made fully responsive to pressure within the main.

2,080,466
ADVERTISING DISPLAY DEVICE
Richard E. Everett, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 8, 1934, Serial No. 756,602
7 Claims. (Cl. 35—13)



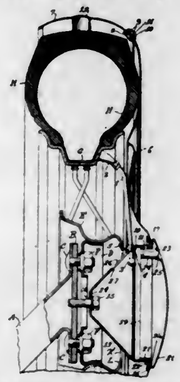
1. In an advertising display device, a suction cleaner including means to vibrate a surface covering, a surface covering, said cleaner being adapted to be moved back and forth upon said covering to vibrate different parts thereof, means vibrated by the vibration of said covering including means to evidence visually the extent of covering vibration and means to limit the travel of said last-mentioned means in a horizontal plane.

2,080,467
DISPLAY HOLDER
Louis J. Feldman and Murray M. Poley, Brooklyn, N. Y.
Application May 5, 1936, Serial No. 77,910
2 Claims. (Cl. 211—45)



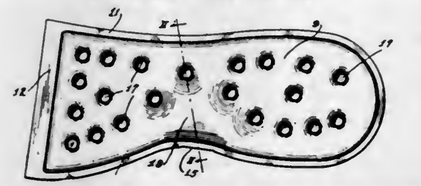
1. A display holder including, in combination, two spaced vertical members, horizontal members connecting said vertical members at their extremes and a third horizontal member also connecting said vertical members and positioned midway between said first named horizontal members, said last named horizontal member having one end thereof extending materially beyond one of said vertical members and being thereafter bent back on itself and again secured to said vertical member at spaced relation to the extended portion of said horizontal member, and a brace member comprising two arms of substantially equal lengths, centrally secured to the centrally positioned horizontal member and extending diagonally upward therefrom to said vertical members, and being secured to the latter adjacent the upper ends thereof.

2,080,468
COMBINATION WHEEL AND VALVE STEM ASSEMBLY
Arthur P. Fergueson, Detroit, Mich., assignor to Lyon Cover Company, Detroit, Mich., a corporation of Michigan
Application July 9, 1934, Serial No. 734,248
13 Claims. (Cl. 150—54)



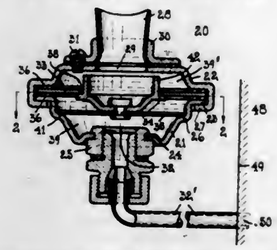
1. In a wheel assembly, a wheel having a rim with a tire thereon and a central hub, a spare tire cover for the tire and having a central opening, a valve stem projecting inwardly from the rim to a point behind said opening in the tire cover, and a hub closure cap for said opening in the cover and being supported centrally of the wheel for normally covering the free end of the valve stem.

2,080,469
PNEUMATIC FOOT SUPPORT
Levi L. Gilbert, Mountain Grove, Mo.
Application May 17, 1933, Serial No. 671,435
6 Claims. (Cl. 36—29)



1. As an article of manufacture, a foot cushioning appliance comprising a pair of sheets of rubber vulcanized together at the margins thereof leaving an air containing chamber therein and shaped for disposition against a foot within a shoe, said sheets being vulcanized together at intermediate points to form non-inflatable areas each surrounded by air containing areas, said non-inflatable areas being of considerably less thickness than said inflatable areas when the latter are inflated.

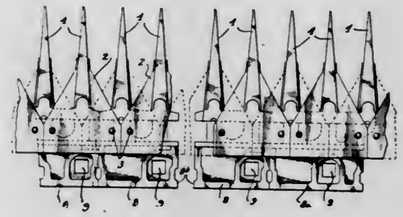
2,080,470
SUCTION ACTUATED SIGNALING MECHANISM
Alexis F. Gillet, Omaha, Nebr., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application February 4, 1935, Serial No. 4,905
6 Claims. (Cl. 116—138)



1. A suction actuated signaling mechanism including a casing having an outlet port to be connected to a source of suction, said casing also having an inlet port, a vibratory diaphragm mounted within the casing and disposed between said ports, said diaphragm having an aperture, and a reciprocating valve extending through said diaphragm aperture, the effective area of the diaphragm aperture with said valve in fully unseated condition being less than the effective area of the casing outlet.

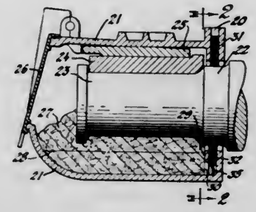
2,080,471
MOWER GUARD CONSTRUCTION
William R. Gillette, Maywood, and Arthur L. Warner, Elgin, Ill., assignors to Illinois Iron and Bolt Company, Carpentersville, Ill., a corporation of Illinois
Application May 22, 1935, Serial No. 22,696
2 Claims. (Cl. 56—298)

1. In a mower guard construction, a finger bar having a series of apertures, a plurality of prong seats, each having a pair of prongs with an aperture offset from the center line thereof and in alignment with a prong, said prong seats having straight side edges in abutting relation at



said apertures, bolts extending through said offset apertures and through the apertures in said finger bar for attaching said seats to said bar, the abutting relation of said seats resisting the turning movement of said seats upon said bolts.

2,080,472
LUBRICATED DUST GUARD
Harry H. Grece, Detroit, Mich.
Application June 4, 1936, Serial No. 83,546
20 Claims. (Cl. 286—6)

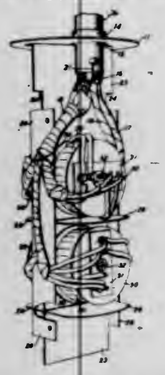


1. In combination with a journal box having a dust guard pocket at the rear thereof and a car axle journaled in said journal box, the partition wall between the main portion of the journal box and the said dust guard pocket having an aperture therethrough substantially at the low point thereof through which free lubricant from the journal box enters the said dust guard pocket, a lubricated dust guard in said dust guard pocket composed of a pair of felt pads and wear resisting means located between said felt pads serving as a spacer therefor, and means secured to said wear resisting means for springing said dust guard around said car axle, the said dust guard having means in contact with said wear resisting means for absorbing lubricant entering said dust guard pocket.

2,080,473
LOADING COIL CASE
Ralph M. C. Greenidge, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 11, 1935, Serial No. 20,959
3 Claims. (Cl. 178—46)

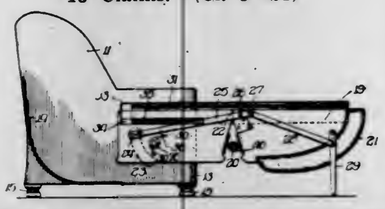
1. A loading coil structure having a central plate member, loading coils for a cable mounted thereon with their axes parallel to one another, perpendicular to the plate and secured in a manner to be rotatably adjustable relative to one another, rigid terminal carrying means associated

with each coil and independently movable relative to the coil for supporting the terminal wires



of the coil and the lead wires to the coil in suitable relationship to the cable connection.

2,080,474
DAVENPORT BED
Norman Hallberg, Chicago, Ill.
Application February 7, 1934, Serial No. 710,048
Renewed March 23, 1937
13 Claims. (Cl. 5—24)

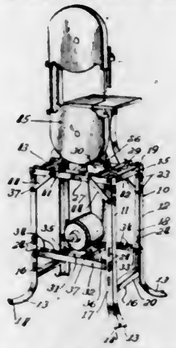


1. A davenport bed comprising in combination a frame, a reversible box spring section pivoted in said frame, and adapted to present one side as a davenport seat and the opposite side as a bed section, a second box spring section pivotally connected to said first named section, and a link pivoted to said second section having an extended end mounted for operation in a cam slot in said frame.

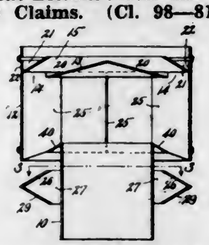
9. A davenport bed of the character described comprising in combination a frame and a pair of pivoted box spring sections mounted in said frame, a mattress attached to one of said sections at one of its ends and having a sliding connection with the opposite end of the other of said sections, said sliding connection including a spring pressed bar underlying the end of said mattress.

2,080,475
STAND FOR MOTOR DRIVEN TOOLS
Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois
Application January 4, 1936, Serial No. 57,485
3 Claims. (Cl. 144—1)

1. A stand for motor driven tools comprising a pair of end units, a motor supporting unit and a tool supporting unit, said end units being substantially similar in size and shape and said motor and tool supporting units comprising rails extending between and rigidly and detachably secured to the end units to form the stand, one of said end units comprising legs having vertically extending slots near the tops of said legs for the adjustable reception of bolts to secure motor supporting members when a motor is to be secured on said last mentioned end unit.



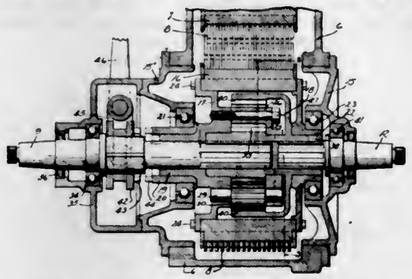
2,080,476
VENTILATOR
Thomas A. Heppenstall, Cheshire, England, assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 19, 1934, Serial No. 749,087
In Great Britain November 7, 1933
3 Claims. (Cl. 98—81)



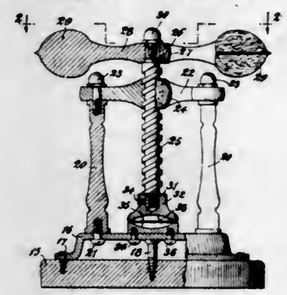
1. In a ventilator of the character described, in combination, an eduction pipe, a cap member above and in line with said eduction pipe, a storm band co-operating with said cap member to form a gas outlet, a rain baffle located within the storm band below the upper edge of the storm band to form with the cap member within the storm band a continuation of the gas outlet between it and the cap member and to prevent rain entering the storm band at its top from passing into the eduction pipe, and to form a gutter within the storm band below the upper edge thereof, and a double cone surrounding the eduction pipe below the storm band.

2,080,477
COMPENSATING DIFFERENTIAL
Francis M. Higgins and Bartrum G. Donley, Clintonville, Wis., assignors to The Four Wheel Drive Auto Company, Clintonville, Wis., a corporation of Wisconsin
Application August 23, 1935, Serial No. 37,414
2 Claims. (Cl. 74—310)

1. A compensating differential comprising the combination with aligned driven shafts, of a sun gear on one of said shafts and a concentric ring gear upon the other, said gears having hubs in substantial abutment, first and second cage elements in radial and thrust bearing relation to the respective hubs and peripherally shouldered, a driving annulus engaged with the shoulder portions of the first and second cage elements and comprising spacing means therefor, means clamping said elements together upon the intervening driving annulus, a third cage element in radial bearing relation to both of the aforesaid hubs and in thrust bearing relation to the hub portion of the sun gear, means rigidly connecting said third cage element with one of said first mentioned cage elements, and driving pinions carried by said third cage element and the element with which said third cage element is connected, said pinions meshing with said ring gear and sun gear.



2,080,478
COMBINATION NUT CRACKER AND PLAYING CARD PRESS
Fred Hildebrand, Cincinnati, Ohio
Application June 11, 1936, Serial No. 84,692
1 Claim. (Cl. 146—15)

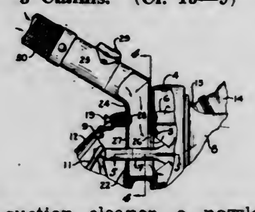


A press comprising a solid circular base, a raised platform secured on said base, a screw threaded into said base its head in contact with the under side of said platform, uprights on said platform having a yoke at their upper ends, a nut combined with said yoke, a double pitched screw threaded bar fitting said nut, a balanced handle having heavy terminals secured to the outer end of said bar, a die fixed on the inner end of said bar, and a mating die secured on said platform in register with the first named die located directly above said screw.

2,080,479
PLATING OF ZINC
Elliott F. Hoff, Willoughby, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 4, 1935, Serial No. 14,588
13 Claims. (Cl. 204—18)

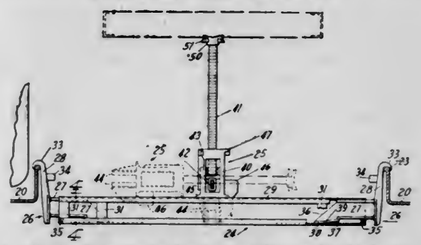
1. A cyanide-zinc electroplating composition of a type adapted for the plating of a deposit comprised substantially of zinc, the composition containing a metal of group VII sub-group 1 of the Periodic System in the form of a soluble compound, said metal being present in such quantities as to produce a brightened zinc deposit.

2,080,480
SUCTION CLEANER
Howard Earl Hoover, Glencoe, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 11, 1935, Serial No. 15,744
5 Claims. (Cl. 15—9)



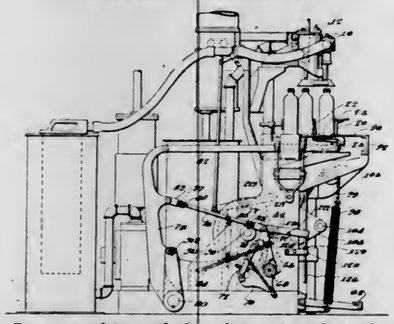
1. In a suction cleaner, a nozzle having a mouth, an adjacent fan chamber connected interiorly to said nozzle, an agitator in said nozzle, a driving shaft extending from said fan chamber into said nozzle and connected to said agitator, said nozzle being formed with a removable section opposite said shaft, a post extended from the side of said nozzle to said shaft and in the direction of said removable section, said nozzle being open to said chamber at the sides of said post, and a dusting tool converter adapted to seat on said nozzle with said section removed and open interiorly to said fan chamber, said converter including a plate extending across said nozzle at said post and cooperating therewith to close said nozzle from said fan chamber.

2,080,481
LIFTING MECHANISM FOR AUTOMOBILES AND THE LIKE
Ion V. K. Hott, Dayton, Ohio, assignor to The Joyce-Cridland Company, Dayton, Ohio, a corporation of Ohio
Application April 22, 1935, Serial No. 17,667
16 Claims. (Cl. 254—89)



1. A jack supporting cradle adapted to be mounted on the runways of an automobile supporting structure, and including a base having tubular end portions, and hangers having connecting members extending into the respective ends of said base and supporting members adapted to have supporting connection with the respective runways, each hanger and said base having cooperating parts to prevent the withdrawal of said connecting member from said base, said parts being so arranged that when said hanger is in a predetermined abnormal position with relation to said base one of said parts can be moved past the other part to permit said connecting member to enter said base and when said hanger is in its normal position with relation to said base said parts will be supported in cooperating relation.

2,080,482
CONTAINER FILLING MACHINE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts.
Application November 6, 1935, Serial No. 48,522
3 Claims. (Cl. 226—68)

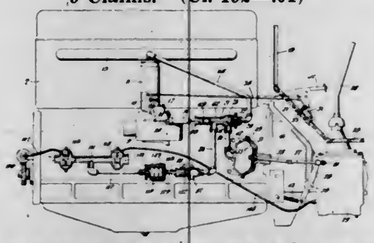


1. In a machine of the character described, in combination, an operating head, container elevating means, means for moving containers onto said elevating means when the latter is in a retracted position, and a safety device for preventing the operation of said container moving means in the event that the elevator encounters undue resistance in its movement toward the operating head.

2,080,483
ELECTRODEPOSITION OF ZINC
Richard O. Hull, Lakewood, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 4, 1935, Serial No. 14,587
12 Claims. (Cl. 204—18)

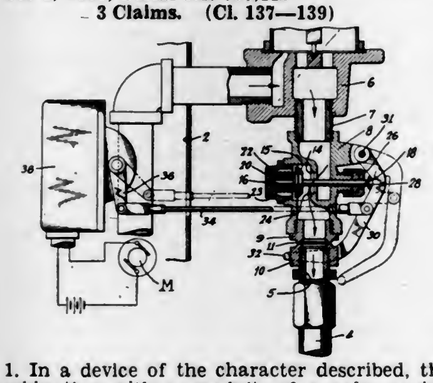
1. A cyanide-zinc electroplating composition containing a thiourea.

2,080,484
AUTO COASTING DEVICE
John H. Hunt, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 25, 1931, Serial No. 539,773
9 Claims. (Cl. 192—.01)



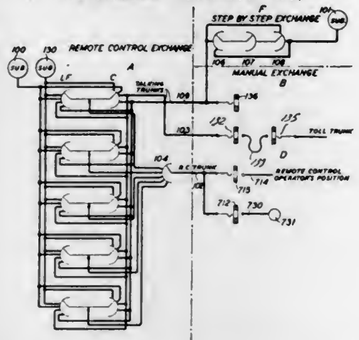
1. In a motor vehicle, an engine having an engine shaft, a driving shaft, a clutch to couple said engine shaft and said driving shaft, power means to release said clutch and means dependent upon a difference in rates of rotation of said shafts to prevent clutch engagement together with engine control means and manually operable means to render active said power means for releasing the clutch and to simultaneously and successively operate said engine control means.

2,080,485
SAFETY DEVICE
Bjornulf Johnsen, Summit, N. J., assignor to Harry T. Goss and Bjornulf Johnsen, copartners trading as Goss & Johnsen, New York, N. Y.
Original application March 5, 1932, Serial No. 597,081. Divided and this application December 1, 1933, Serial No. 700,442
3 Claims. (Cl. 137—139)



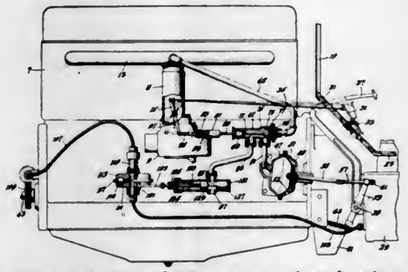
1. In a device of the character described, the combination with a conduit, of a valve casing insertable therein comprising a valve having a transversely extending valve stem extending without the casing and a seat therefor, a spring normally urging the valve to its seat, a tubular conduit portion in communication with said valve adapted to fracture upon the application of a given force and means positioned by said conduit portion adapted to engage the valve stem and retain it in valve open position and to be released upon fracture of the conduit portion.

2,080,486
TELEPHONE SYSTEM
John C. Kelly, Westmount, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 18, 1935, Serial No. 55,058
24 Claims. (Cl. 179—26)



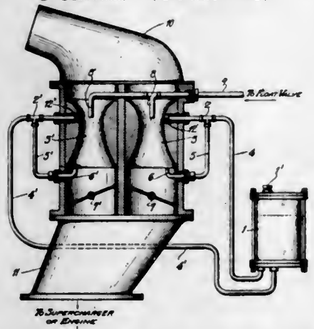
1. In a telephone system, subscribers' lines, a trunk, links for connecting a calling line with a called line, means for associating one end of said trunk with an idle link, means for associating a calling line with said idle link, a signal at the other end of said trunk, and means operated in response to the seizure of a calling subscriber's line for operating said signal without associating the calling line with said idle link.

2,080,487
SYNCHRONOUS CONTROL OF CLUTCH SERVOS
Charles F. Kettering, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 28, 1931, Serial No. 540,654
7 Claims. (Cl. 192—.01)



1. In a motor vehicle, an engine having an engine shaft, a driving shaft, a clutch to couple said engine shaft and said driving shaft, yielding means to bias said clutch to engaged position, power means to release said clutch and means rotatable by a difference in rates of rotation of said shafts to prevent clutch engagement.

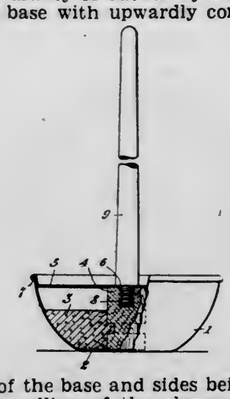
2,080,488
MEANS FOR DE-ICING INTERNAL COMBUSTION ENGINE FUEL SUPPLY APPARATUS
Leo B. Kimball, New Haven, Conn., assignor to Fuel Development Corporation, a corporation of Delaware
Application October 11, 1935, Serial No. 44,493
3 Claims. (Cl. 261—18)



1. A device for the purpose stated, comprising, a casing having an air intake passage including a mixing chamber for fuel used in an internal combustion engine and a throttle valve, a container or reservoir for antifreeze liquid, a conduit therefrom to said passage for supplying said liquid thereto in advance of said mixing chamber, and a pipe connected between said mixing chamber and said conduit to form a by-pass which when open will prevent the flow of said liquid through said conduit, said pipe being made inoperative by the accumulation of ice in said passage and mixing chamber.

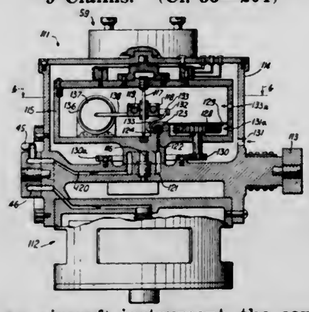
2,080,489
GAME
Philip J. Knorpp, Wilmette, Ill.
Application August 7, 1933, Serial No. 684,044
3 Claims. (Cl. 273—100)

1. A game element comprising a ring-like body having a plurality of outwardly bulging portions, and a flat base with upwardly converging sides,



the edges of the base and sides being rounded to facilitate handling of the element during play.

2,080,490
REMOTE CONTROLLED INDICATOR WITH STABILIZED HEAD, PITCH, AND BANK INDICATING UNIT
Paul Kollsman, New York, N. Y.
Application April 5, 1932, Serial No. 603,432
Renewed September 26, 1936
9 Claims. (Cl. 33—204)



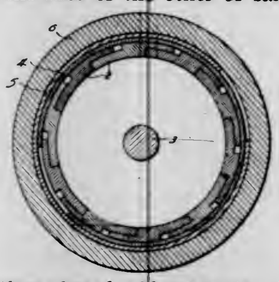
1. In an aircraft instrument, the combination of a supoprt, a gimbal element mounting said support for universal movement, a gyro vertical on said support for stabilizing the same, a directional magnet on said support, pneumatic follow-up means controlled by relative azimuthal movement between said magnet and said support, electrical transmitters controlled respectively by said follow-up means, by angular movements of said support relatively to said gimbal, and by angular movements of said gimbal relatively to the craft, and repeating indicators, each controlled by a respective one of said transmitters.

8. In a compass, a universally mounted directional magnet, and means for stabilizing the same, including a gyro rotor consisting substantially entirely of an electrical insulating material, whereby rotation of the rotor leaves the directing magnetic component of said magnet substantially unaffected.

2,080,491
CONDUCTING SYSTEM
Claude Kreisher, Towson, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 23, 1935, Serial No. 3,102
2 Claims. (Cl. 173—13)

1. A flexible tubular conductor made up of a plurality of integral profiled strips each com-

prising two laterally elongated portions laterally offset from each other, the edge of one of said portions forming a substantially square shoulder with the face of the other of said portions



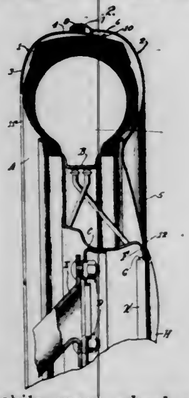
and the other edge of said one portion being beveled, so that as said strips are assembled in overlapping relation in said conductor the beveled edge of each strip is in complete abutment with the said shoulder of an adjacent strip.

2,080,492

SPARE TIRE AND WHEEL COVER

George Albert Lyon, Detroit, Mich., assignor to Lyon Incorporated, Detroit, Mich., a corporation of Delaware

Application November 13, 1933, Serial No. 697,760
14 Claims. (Cl. 150—54)



1. An automobile spare wheel and tire cover construction comprising a member of substantially form-retaining sheet material formed to cover one side of a spare wheel and tire carried thereby and to extend from said side over the tread of the tire, an expansible and contractible ring member for engaging the first member and tire and formed to contract by its own resilience into position to hold itself on the tire, means associated with said members for establishing frictional contact therebetween to enable the second member to yieldably hold the first member in position, and means independent of the ring member for supporting the first member in substantially coaxial relation to the wheel.

2,080,493

PIPE PILE CONSTRUCTION

William R. Marsden, Brooklyn, N. Y.

Application March 21, 1936, Serial No. 70,089
3 Claims. (Cl. 61—57)

1. In a pipe pile construction, a driving mandrel, a driving point at its lower end, a pipe section surrounding the lower part of said mandrel, a driving ring on the lower edge of said pipe section, a collar surrounding said pipe section and having a recess in which the upper end of said pipe section is seated, a second pipe



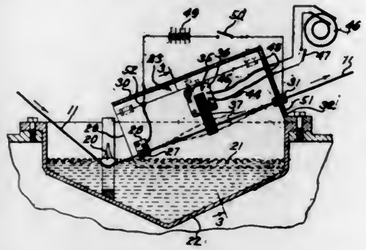
section seated on said collar and surrounding the upper part of said mandrel, said second section being held in alignment by said collar with the first mentioned pipe section, and a removable connection between the collar and the mandrel.

2,080,494

METHOD OF AND APPARATUS FOR COATING STRANDS

Frank Martindell, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 1, 1933, Serial No. 673,858
16 Claims. (Cl. 91—59.1)



1. In an apparatus for coating strand material, a container having a bath of coating substance through which the material is drawn, and means for producing a fluctuating field of force and for applying it to the material a substantial distance from any point of contact of the material with the apparatus after it has been drawn through the coating substance for vibrating the material in a plane passing through its length to remove an excess of the coating substance on the material.

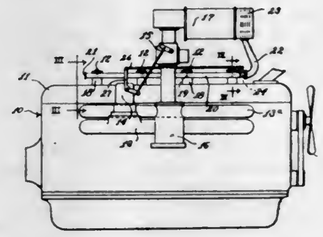
16. A method of coating strand material, comprising longitudinally advancing the material through a bath of molten metal, guiding the material in a definite path between spaced points after being coated, and vibrating the material in a plane passing through its length after its advance through the molten metal by applying a fluctuating field of force to the material without physical contact therewith at an unsupported point intermediate the spaced guide points to remove a portion of the molten metal.

2,080,495

SPARK PLUG COOLING DEVICE

Leo J. McKone, Chicago, Ill., assignor of one-half to Dean D. Francis, Cleveland, Ohio, and one-eighth to Kenneth E. Lyman, Chicago, Ill.

Application June 22, 1935, Serial No. 27,998
15 Claims. (Cl. 123—169)



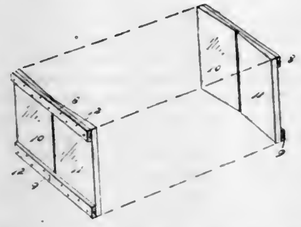
1. A cooling device for spark plugs comprising an individual container adapted to be snapped around the exposed part of a single spark plug and carried by said plug and means for creating an induced draft to flow through said container around said spark plug.

2,080,496

END WALL CONSTRUCTION FOR WOODEN BOXES

Edward H. Mell, Yeadon, and Howard W. Mell, Brookline, Pa.

Application June 1, 1936, Serial No. 82,688
3 Claims. (Cl. 217—17)



1. A wall construction for wooden shipping boxes, comprising boards each having an outer side straight and the opposite side wall tapering inwardly from the outer edge with the edges of least thickness presented to each other, cleats extending across the boards on the straight side at opposite marginal portions to traverse the varying thickness of the boards, and fastening devices securing the cleats and boards together.

2,080,497

PROCESS FOR THE MANUFACTURE OF PERFUME BASES

Walter Christian Meuly, New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 6, 1935, Serial No. 39,442
11 Claims. (Cl. 260—132)

1. In the process of manufacturing an ionone, the step which comprises reacting upon a pseudoionone with formic acid of a strength between 55 and 80%.

2,080,498

MANUFACTURE OF PERFUME BASES

Walter Christian Meuly, New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 6, 1935, Serial No. 39,443
7 Claims. (Cl. 260—132)

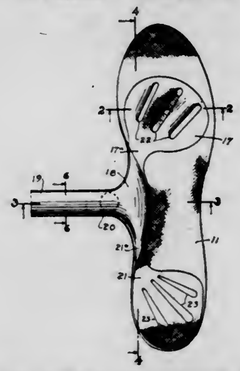
1. A process of separating into its isomers a mixture of α-methyl-ionone *b* and α-methyl-ionone *a*, which comprises fractionally separating the same from a solution in aqueous formic acid of 60 to 90% strength.

2,080,499

INSOLE FOR SHOES

John Nathansohn, Buffalo, N. Y., assignor to Levi L. Gilbert, Michigan City, Ind.

Application October 31, 1935, Serial No. 47,544
2 Claims. (Cl. 36—29)



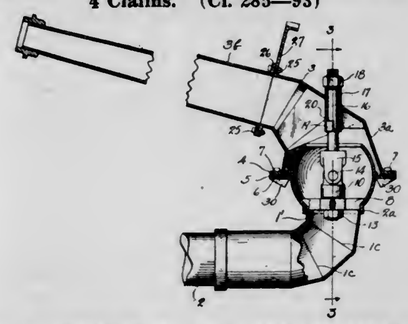
1. As an article of manufacture, a foot cushioning appliance including a pair of rubber sheets blanked to the form desired and placed one on top of the other, an adhesive securing said sheets on their opposing faces except for an interior portion of said faces forming an air pocket between said sheets and extending across the foot, but including elongated areas within the air pocket secured by adhesive to hold the appliance substantially flat when the air pocket is inflated.

2,080,500

HYDRAULIC NOZZLE

George H. Norris, Seattle, Wash., assignor to Hydraulic Supply Manufacturing Company, Seattle, Wash.

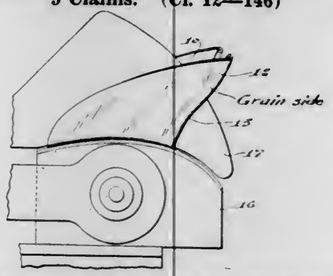
Application August 26, 1935, Serial No. 37,885
4 Claims. (Cl. 285—93)



1. In combination, two members associated for ball joint articulation, and a knuckle opera-

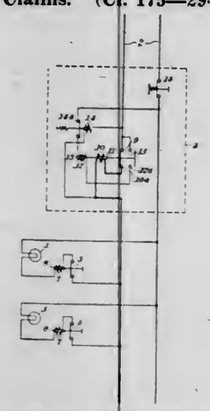
tively connecting the articulated members; said knuckle comprising a first part, fixed rotatably in one of the articulated members for rotation about an axial line through the center of articulation of the members, and a second part having a fixed connection with the other of the articulated members and connected with the said first part of the knuckle to swing hingedly thereon about an axis through the center of articulation and perpendicular to the axis of rotation of the first part.

2,080,501
SHOEMAKING
Donald F. Newman, Lynn, Mass., assignor to Danvers Shoe Company, Newburyport, Mass., a corporation of Massachusetts
Application February 6, 1936, Serial No. 62,611
5 Claims. (Cl. 12—146)



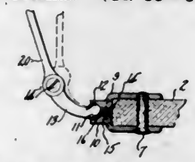
1. The process of preparing vamps for shoemaking, which consists in uniting the vamp and lining along their common transverse edge only, and then folding on a longitudinal axis and crimping the lined vamp as a single piece of material while the united edge of the vamp and lining extends substantially normal to the fold line, thereby throwing inequalities resulting from the crimping operation into the free edges of the vamp and its lining.

2,080,502
PROTECTIVE SYSTEM
Frank Pedatella, New Kensington, Pa.
Application October 10, 1935, Serial No. 44,467
7 Claims. (Cl. 175—294)



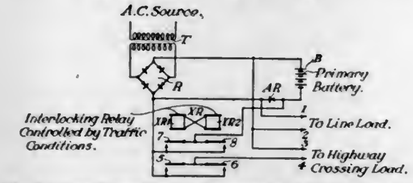
1. In apparatus for eliminating the customary use of fuses in an electric system including a plurality of load circuits connected to a supply source and each subject to the control of a manually operated switch, the combination of a circuit breaker for disconnecting all of said load circuits from said source, opening and closing coils for said circuit breaker, opening coils severally cooperating with said switches, whereby, when an overload condition occurs in any of said load circuits, the switch which normally is manually operated for the control of such circuit is automatically opened, the opening coil of said circuit breaker being responsive to current drawn from said source upon the manual reclosing of the automatically opened switch while overload condition still exists, and means operated by said current for preventing energizing of the closing coil of said circuit breaker.

2,080,503
OPHTHALMIC MOUNTING
Henry C. Petersen, Hillside, N. J., assignor to Lowres Optical Manufacturing Co., Newark, N. J., a corporation of New Jersey
Application July 15, 1936, Serial No. 90,673
6 Claims. (Cl. 88—53)



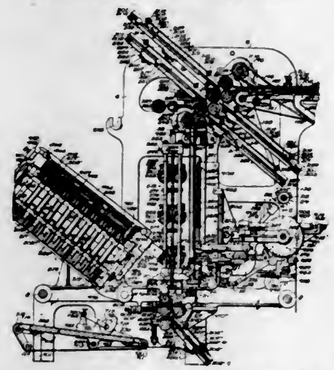
1. A temple end piece for spectacles and eyeglasses comprising, a lens strap for attaching to a lens, said strap having a spherical receiving recess therein, a yoke member provided with a ball end portion universally seated in said recess, locking means for securing said ball end portion in adjusted position within said recess, and a temple hingedly connected to said yoke member.

2,080,504
ELECTRICAL APPARATUS
Samuel G. Raber, Youngstown, Ohio, assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 21, 1936, Serial No. 91,662
18 Claims. (Cl. 171—97)



18. In combination, a source of alternating current, a rectifier connected with said source, a reserve source of direct current connected across the output circuit of said rectifier, an asymmetric unit interposed between said reserve source and said rectifier in such direction as to prevent the output current from said rectifier from flowing through said reserve source, a first load constantly connected across the output circuit of said rectifier between said rectifier and said asymmetric unit, a second normally deenergized load, switching means for connecting said second load across the output circuit of said rectifier, a power-off relay having a front contact included in the circuit for said second load, a pickup circuit for said power-off relay energized from the output of said rectifier and controlled by said switching means, a holding circuit for said power-off relay connected across the output circuit of said rectifier and independent of said switching means, and a circuit exclusive of said asymmetric unit and including a back contact of said power-off relay for energizing said second load from said reserve source in the event of a failure of said alternating current source.

2,080,505
FOLDING MACHINE
Earl D. Rader, Mount Kisco, and Edwin W. Goodwin, New Rochelle, N. Y., assignors to Dexter Folder Company, New York, N. Y., a corporation of New York
Application February 19, 1931, Serial No. 517,049
95 Claims. (Cl. 270—62)



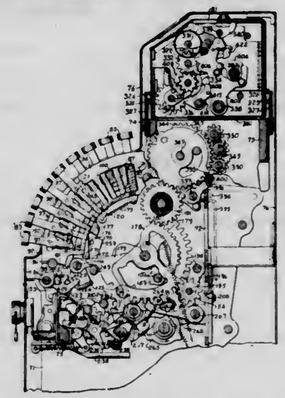
1. In a folding machine, means for making one or more parallel folds in a sheet, means for making a right angle fold therein, means for making a second right angle fold in the sheet parallel with the preceding right angle fold and in one or the other of two impositions, and means for making a following fold in the sheet at right angles to the preceding fold and in one or the other of two impositions according to the imposition of the preceding fold.

2,080,506
PROCESS OF AND APPARATUS FOR ELECTROPLATING ARTICLES
Franklin B. Rinck, La Grange, and Ray C. Kivley, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 14, 1933, Serial No. 666,086
5 Claims. (Cl. 204—18)



3. A method of electrogalvanizing an article, which comprises immersing the article in a bath of high acid concentration zinc sulphate electrolyte, passing a high density electric current from the electrolyte to the article, continuously withdrawing electrolyte from the bath and collecting it in batches, neutralizing a batch of withdrawn electrolyte by the addition of metallic zinc, filtering the neutralized electrolyte to remove lead and other impurities, adding an oxidizing agent to the filtered electrolyte to precipitate iron and other impurities, filtering the electrolyte to remove the precipitated impurities, adding zinc dust to the filtered electrolyte to precipitate antimony and other impurities, again filtering the electrolyte, and continuously returning purified electrolyte to the electrogalvanizing bath.

2,080,507
CASH REGISTER
William H. Robertson, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application October 27, 1933, Serial No. 695,519
23 Claims. (Cl. 235—130)

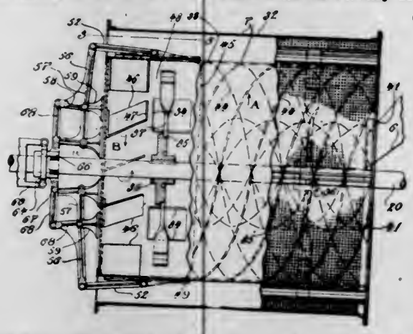


1. In a machine of the class described, the combination of a removable box; a receptacle for the box; a shaft in the box; a shaft in the receptacle; plungers in the box operated by the shaft therein for locking the box in the receptacle; plungers in the receptacle operated by the shaft therein for locking the box in said receptacle; plungers in the receptacle controlled by the plungers in the box; plungers in the box controlled by the plungers in the receptacle; means for coupling the shafts together for synchronous operation when the box is placed in the receptacle; and means whereby the plungers enforce synchronous movement of said shafts.

2,080,508
MIXING AND SCREENING APPARATUS FOR FERTILIZER MATERIALS AND THE LIKE
Augustus J. Sackett, Anne Arundel County, Md.
Application March 19, 1934, Serial No. 716,314
7 Claims. (Cl. 209—235)

6. In a machine for dry mixing fertilizer materials, a drum mounted to rotate about an axis widely deflected from the vertical, a feed for introducing the ingredients to be mixed at one axial end of the drum, a helically inclined conveying and mixing means extending along the inside of the drum from said axial end toward the other end of the drum, oppositely inclined propelling means at the other end of the drum, both said means being discontinued at points spaced in an axial direction to provide a free mixing zone, a drive for rotating the drum to move the materials from the feed end to the point of introduction to said zone and to roll them therein, both said means serving to project the materials transversely of said zones and the projecting means at

the upper end serving to prevent accumulation of the materials at that end, a rotating screen surrounding the drum and inclined downwardly from

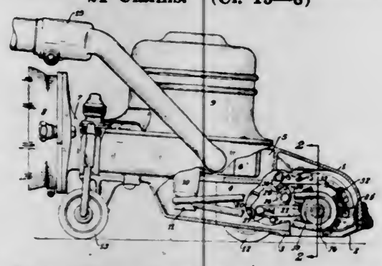


said zone, the walls of the drum at said zone having discharge openings, a door for each opening carried by the drum and means operable while the drum is rotating for operating said doors.

2,080,509
METHOD OF TREATING SILK
André Schoen, Hackensack, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of United States
No Drawing. Application November 22, 1932, Serial No. 643,898
6 Claims. (Cl. 8—20)

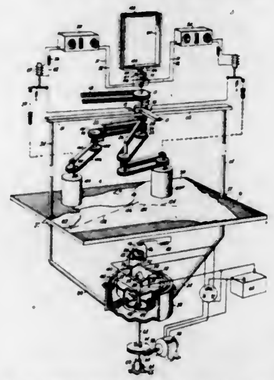
1. A method of producing crepe effects which comprises printing a silk fabric with an aqueous emulsion of a substance, of the class which consists of waxes and soaps, setting the substance to form a resist by passing the printed fabric through the drier rolls of the printing machine, subjecting the treated fabric to a shrinking agent, and finally removing the resist.

2,080,510
SUCTION CLEANER
William D. Sellers, Glen Ellyn, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 28, 1934, Serial No. 755,093
21 Claims. (Cl. 15—8)



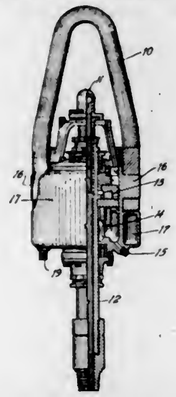
1. In a suction cleaner, a body, a rotary brush, means mounting said brush on said body for movement toward and from a surface covering undergoing cleaning, and automatic means to effect a lowering of said brush including centrifugally operated means, adjustable means to lower said brush in certain adjustments by a force exerted by said centrifugally operated means, and means responsive to change in the diameter of said brush controlling the adjustment of said adjustable means.

2,080,511
DEVICE FOR LOCATING THE POSITION OF A MOVABLE BODY
Hjalmar E. Sjöstrand, Ravala, Grangesberg, Sweden
Application December 10, 1932, Serial No. 646,728
12 Claims. (Cl. 250—11)



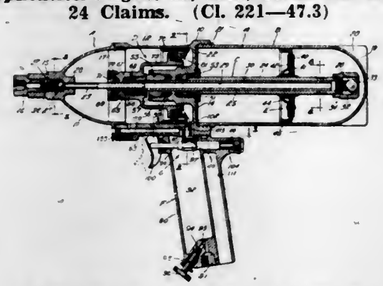
1. In a navigating apparatus for a movable body, a chart movably mounted on said body, means for maintaining said chart oriented, pivotally mounted indicating means, universally mounted supporting means for said indicating means affording universal adjustment thereof relative to said chart whereby said indicating means may be positioned to pivot over points on said chart representing the geographical position of transmitting stations, a rotatable loop antenna, means for rotating said antenna and said indicating means substantially in synchronism, and means associated with said loop and indicating means for effecting an antenna-controlled operation of said indicating means.

2,080,512
OIL WELL DRILLING SWIVEL
Leslie L. Smith, Oklahoma City, Okla.
Application November 5, 1936, Serial No. 109,298
4 Claims. (Cl. 255—25)



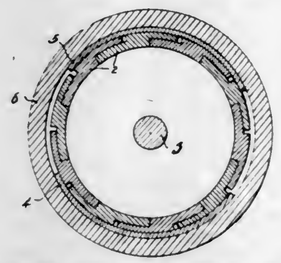
1. An oil well drilling swivel comprising: a sleeve for supporting the drill pipe; a thrust bearing for supporting the sleeve; an oil reservoir surrounding said thrust bearing; a water jacket surrounding said oil reservoir; and a ball for supporting said swivel.

2,080,513
POWER GREASE GUN
Neil V. Smith and Carl W. Stoll, Los Angeles, Calif., assignors to Smith-Johnson Corporation, Los Angeles, Calif., a corporation of California
Application August 23, 1935, Serial No. 37,566
24 Claims. (Cl. 221—47.3)



1. A lubricant gun including, a body, lubricant supply means connected with the body, an ejector for receiving lubricant from the supply means and discharging it from the gun, and means for operating the ejector, the ejector including, a barrel, a valve controlling communication between the said supply means and the barrel, a core for conducting away the ejected lubricant, a valve controlling the discharge from the core, and a plunger operable in the barrel and over the core to eject the lubricant through the core.

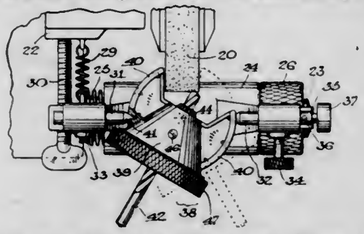
2,080,514
CONDUCTING SYSTEM
Asbjorn Talmann, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 23, 1935, Serial No. 3,125
2 Claims. (Cl. 173—13)



1. A flexible tubular conductor made up of a plurality of overlapping, interengaging strips each comprising two flat laterally elongated strip-like portions laterally offset from each other, the inner of said portions being substantially thicker radially than the outer portions and disposed with their edges abutting the corresponding inner portions of adjacent strips, and an external member for forcing said abutting edges together, said outer portions being separated so that they do not interfere with the abutment of said inner portions.

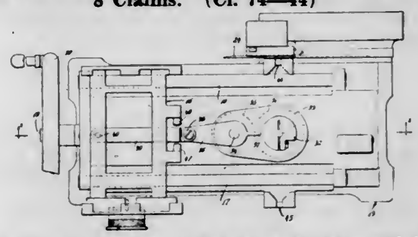
2,080,515
DRILL GRINDING APPARATUS
Herbert E. Tautz, Milwaukee, Wis.
Application February 2, 1934, Serial No. 709,437
9 Claims. (Cl. 51—219)

6. Drill grinding apparatus comprising a holder for clamping a drill and having a plurality of conical recesses at opposite sides for removable rocking engagement with conical centers, said recesses being arranged in selectively usable



aligned pairs, the axis of one pair being on the opposite side of the drill axis from the axis of the other pair.

2,080,516
CARRIAGE STROKE MECHANISM FOR SLICING MACHINES
Otto Theurer, Brooklyn, N. Y., assignor to Edward I. Friedman, New York, N. Y., and Harry Wiener, Brooklyn, N. Y.
Application June 12, 1936, Serial No. 84,807
8 Claims. (Cl. 74—44)



1. In combination, a frame, a carriage slidably mounted thereon, an extensible means connected at its ends to the carriage and frame respectively, and means to extend and collapse said extensible means at either side of its point of connection with the frame successively, whereby the carriage passes such point of connection, and is reciprocated.

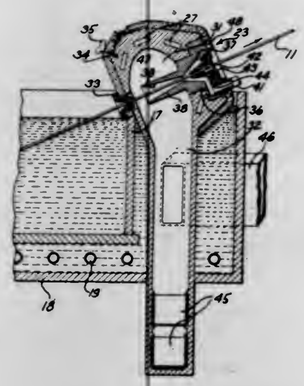
2,080,517
MEDICINAL PREPARATIONS INCLUDING AMINOPYRIDINE SALTS AND METHODS OF PREPARING AND UTILIZING THE SAME
Edmond T. Tisza, Yonkers, N. Y., assignor to The Pyridium Corporation, Nepera Park, N. Y., a corporation of New York
No Drawing. Application November 5, 1931, Serial No. 573,299
3 Claims. (Cl. 260—42)

3. A preparation capable of rendering innocuous, various forms of microbes, particularly those of the cocci group, prepared for this purpose in divided condition and segregated quantities of suitable dosage, said preparation consisting of a 2-6 diaminopyridine salt of an alkyl carboxylic acid.

2,080,518
METHOD OF AND APPARATUS FOR COATING STRANDS
Carl M. Underwood, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 1, 1933, Serial No. 673,857
11 Claims. (Cl. 91—59.4)

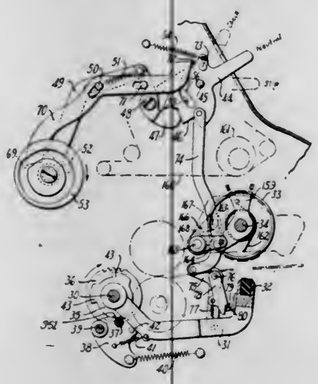
6. A method of coating a strand which comprises moving the strand through a bath of

molten coating metal and passing a stream of superheated steam longitudinally of the strand to remove the excess coating metal, the temper-



ature of said superheated steam when it first strikes the strand being higher than the melting point of the coating metal.

2,080,519
CASH REGISTER
Kurt Vogelgesang and Erich Wagner, Berlin, Germany, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland (incorporated 1926)
Application July 10, 1934, Serial No. 734,537
In Germany July 17, 1933
14 Claims. (Cl. 101—93)

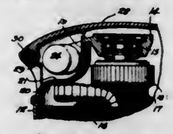


1. In a machine of the class described having a plurality of type carriers, the combination of impression means; means to impart two working movements to the impression means each machine operation; positionable means adapted to be adjusted to a plurality of positions, to control the impression means; means to retain the positionable means in any of its positions; means to move the positionable means from one position to another to prevent the second movement of the impression means; means to operate the moving means and to render the retaining means ineffective; and resilient means to return the positionable means to its one position.

2,080,520
ZINC PLATING
Leon R. Westbrook, Cleveland Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 4, 1935, Serial No. 14,589
19 Claims. (Cl. 204—18)

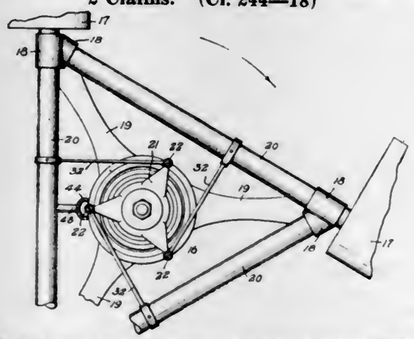
1. A cyanide-zinc electroplating composition for plating a deposit comprised substantially of zinc, the composition containing a metal from group VI sub-group 1 of the periodic system in the form of a soluble compound.

2,080,521
SUCTION CLEANER
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 31, 1934, Serial No. 709,055
In Great Britain January 5, 1934
9 Claims. (Cl. 240—2)



1. In a suction cleaner, a motor including an enclosing casing portion, a stationary field carried by said portion, a frame portion rigidly carried by said casing portion, an armature rotatably supported by said frame portion, a part of said frame portion beyond said field and between said casing portion and the point at which the armature is supported being curved inwardly toward the axis of armature rotation, a light reflector on said frame, a light socket on said frame, a light carried by said socket, current-carrying means connecting said socket with a source of electric current, said reflector, socket and light being positioned within the normal periphery of said casing portion, and a cap seated on said casing portion and forming a continuation thereof to enclose the motor, said cap being formed with an opening adjacent said light, and means removably securing said cap relative to said casing portion.

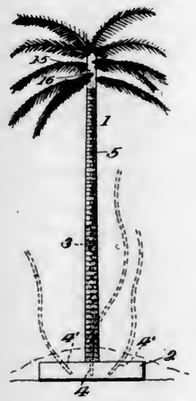
2,080,522
GYRO ROTOR
Edward Burke Wilford and Elliot Daland, Philadelphia, Pa.
Application September 18, 1936, Serial No. 101,516
2 Claims. (Cl. 244—18)



2. A gyro rotor comprising a plurality of blades, shafts, constituting each the inner end of one of

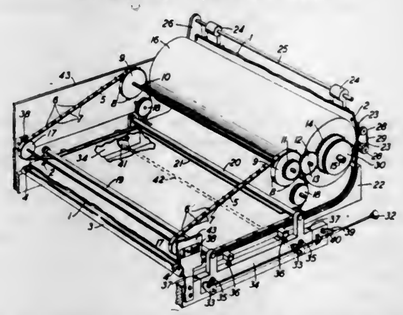
said blades and occupying the sides of a regular polygon, control levers on said shafts extending towards the inside of said polygon, pairs of coaxial bearings supporting said shafts and positioned adjacent the corners of said polygon, and a movably mounted control element in symmetric relation to said polygon and in operative connection with said levers.

2,080,523
ARTIFICIAL TREE
Ray Williams and Charles F. Kramer, Jacksonville, Fla.
Application March 24, 1936, Serial No. 70,646
10 Claims. (Cl. 41—15)



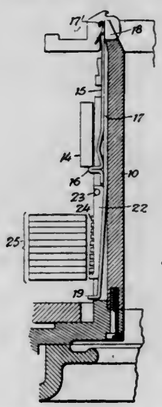
8. An artificial palm tree or the like comprising a base, a flexible metal stem member extending upwardly from said base, a plurality of corks having perforations therein, whereby said corks are slidably mounted on said stem, and a removable member on the upper end of said stem, said member having a series of staggered sloping pockets therein for supporting a cluster of palm leaves.

2,080,524
PAPER FEEDING APPARATUS FOR TYPING DEVICES
Howard D. Allen, Passaic, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 10, 1932, Serial No. 632,593
17 Claims. (Cl. 197—133)



1. A teletypewriter capable of printing either upon sprocket feed stationery having perforations therein or upon plain unperforated stationery of the same width as the sprocket feed stationery, said teletypewriter having a platen, a positive drive feeding arrangement comprising a plurality of endless belts for feeding perforated stationery up to said platen and a friction feeding arrangement comprising a plurality of pressure rollers for feeding plain unperforated stationery, said plain unperforated stationery being of the same width as the sprocket feed stationery.

2,080,525
SELECTIVE OPERATING MEANS FOR KNITTING NEEDLES
Elmer U. Ames, Collingswood, N. J.; Agnes A. Seaman, administratrix of the estate of Elmer U. Ames, deceased, assignor to H. Brinton Company, Frankford, Philadelphia, Pa., a corporation of Pennsylvania
Application April 25, 1925, Serial No. 25,915
12 Claims. (Cl. 66—36)

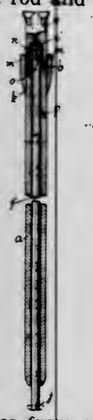


12. In a knitting machine, a series of independent latch needles adapted to be reciprocated lengthwise to knit, and to which needles two threads are adapted to be fed in a normal plating relation, means adapted to engage selected needles of said series near their hooked ends and to move said selected needles slightly transversely of the needle series in proper timed relation to the yarn drawing movement and to the casting off point so as to cause the two threads to be reversed in position in the hooks of predetermined needles, with the result that both of said threads are cast off at predetermined needles in a reverse plating relation.

2,080,526
DEVICE FOR HOLDING DRILL BITS
Reginald Asline Bedford, Stumperlowe, Sheffield, England
Application September 19, 1935, Serial No. 41,288
In Great Britain September 26, 1934
4 Claims. (Cl. 81—3)

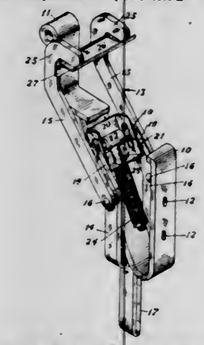
1. A device for holding socketed drill bits during hardening, forging or like operations comprising a tubular shank, a tapered end to said shank for fitting interiorly the tapered socket of the bit, a collar upon said shank having spaced fingers circumferentially around said end in spaced relation thereto for accommodating the wall of said socket so as to frictionally retain the bit upon the shank, an axially slidable rigid rod disposed interiorly of the tubular shank and projecting through said tapered end thereof and adapted to contact with the inner end of the

socket for dislodging the bit from the shank, and means in the rod and shank for permitting



the escape of fumes from co-operating surfaces of the socket of the bit and the rod.

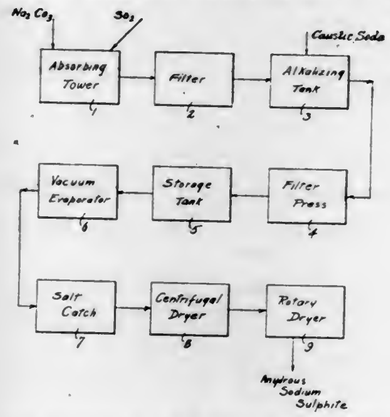
2,080,527
LADDER HOLDER
Edward Carl Bixel, West Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 13, 1936, Serial No. 68,735
2 Claims. (Cl. 224—29)



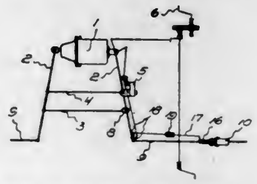
1. A supporting bracket having a surface upon which an object to be supported may rest, an overthrow lever having a slot and pin connection with said bracket, a clamp member pivoted to the overthrow lever intermediate the ends of said lever and adapted to clamp the object upon the support, and tension means so arranged as to exert tension upon the pin connection upon which the lever is pivoted in such direction as to hold the clamp member in clamping position.

2,080,528
PROCESS OF MANUFACTURING ANHYDROUS SODIUM SULPHITE
Frederic C. Bowman, Los Angeles, and Holger Stougaard, Walnut Park, Calif., assignors to A. R. Maas Chemical Co., Los Angeles, Calif., a corporation of California
Application March 11, 1932, Serial No. 598,214
Renewed October 10, 1936
9 Claims. (Cl. 23—129)

1. The method of producing anhydrous sodium sulphite which includes the steps of forming a concentrated solution of sodium sulphite, raising the alkalinity of the solution with a hydroxide of an alkali metal and evaporating and crystallizing the sulphite in the presence of the alkaline hydroxide.



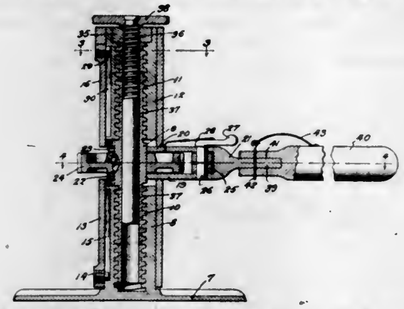
2,080,529
BRAKE RIGGING OF THE VARIABLE LEVERAGE TYPE
Bert Henry Browall, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application February 25, 1935, Serial No. 8,156
In Germany March 7, 1934
7 Claims. (Cl. 188—195)



1. In a vehicle brake, especially a railway car brake, a brake rigging of the variable leverage type, including a variable leverage mechanism, means for setting said mechanism on different leverage ratios, and a device provided in the brake rigging and operatively connected to the setting means for the variable leverage mechanism and adapted to produce an additional slack in the brake rigging, when the variable leverage mechanism is set on a lower leverage ratio.

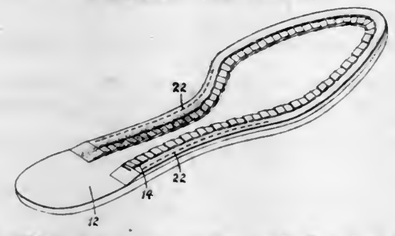
2,080,530
LIFTING JACK
Arthur R. Brush, Hornell, N. Y., assignor of one-half to Manie Freedman, Hornell, N. Y.
Application May 27, 1936, Serial No. 82,135
6 Claims. (Cl. 254—100)

3. A jack comprising a base, an internally screw-threaded tube fixed to said base, an operating rod having left and right externally screw-threaded parts extending in opposite directions from the center thereof, one of said parts having its threads engaging the threads in said tube, a second tube internally screw-threaded to receive the screw-threads on the other part, means for rotating said operating rod about its axis, means slidably connected to said tubes to prevent rotation of the upper tube about said axis, said operating rod being axially bored, and a lifting rod slidable in the bore of said operating



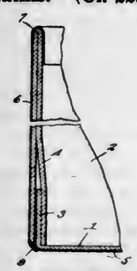
rod and adjustably connected to the second named tube.

2,080,531
MANUFACTURE OF SHOES
Darius W. Bunker, Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 8, 1936, Serial No. 58,154
5 Claims. (Cl. 12—142)



1. That improvement in methods of making shoes which consists in cement-attaching a welt to the marginal portion of an outsole, said welt having its inner portion slashed to facilitate bending the welt about the periphery of the sole, roughening the surface of the inner slashed portion of the welt, cement-attaching the slashed portion of the welt to the overlasted upper of a shoe, and sewing at least a portion of the welt to the outsole.

2,080,532
PAPER BOX
Clarence L. Claff, Randolph, Mass.
Application August 17, 1936, Serial No. 96,507
5 Claims. (Cl. 229—23)

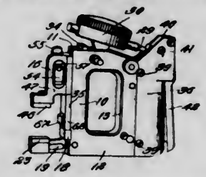


1. A paper board box including a main blank and an end portion, said main blank and end portion having an outer covering of finishing paper, the finishing paper of the end portion being folded back thereupon to present a folded extension or flap of finishing paper, said flap being pressed back against and affixed to the main blank to conceal the adjacent raw edge of the end portion.

2,080,533
PREPARATION OF CELLULOSIC MATERIAL
Martin J. Connolly, New York, N. Y.
No Drawing. Application July 11, 1935, Serial No. 30,947. Renewed September 23, 1936
10 Claims. (Cl. 92—13)

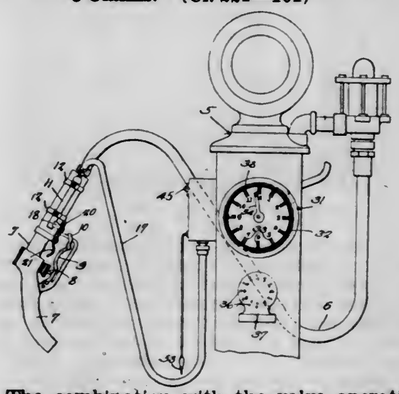
1. A process of producing cellulosic material which comprises retting hemp, separating the hurds from the longer fibers, then subjecting the hemp hurds to intermittent digestion with alkaline reagents.

2,080,534
MICROMETER CALIPER
Philip J. Darlington, Cambridge, Mass.; Rebecca T. M. Darlington, executrix of said Philip J. Darlington, deceased, assignor to Robert G. Morse, Marblehead, Mass.
Application August 27, 1931, Serial No. 559,708
Renewed January 6, 1937
10 Claims. (Cl. 33—148)



1. A caliper instrument comprising a frame having a slideway, a caliper member arranged in said slideway for movement into different positions of adjustment, an opposed caliper member pivoted in said frame and yieldingly held toward the first said caliper member, and a detachable center stop arranged in said frame intermediate the said caliper members and secured therein by adjusting the adjustable caliper member in the slideway toward the opposed caliper member and securing it in adjusted position and adapted for removal when the adjustable caliper is unsecured and slid in the opposite direction.

2,080,535
GASOLINE DISPENSING PUMP CONTROL DEVICE
Charles Devers, Pittsburgh, Pa.
Application April 21, 1936, Serial No. 75,637
8 Claims. (Cl. 221—101)



1. The combination with the valve operating lever of a gasoline filling nozzle, of a means for

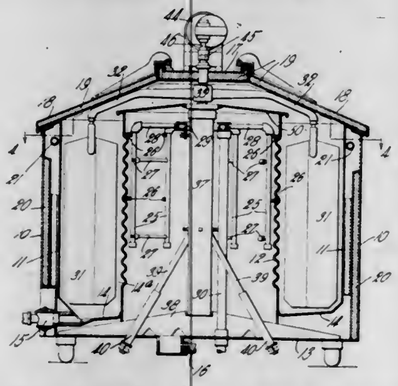
holding the lever in position to open the valve, said means comprising a plunger adapted to move into engagement with the lever holding the lever in a position to hold the valve open, and electrically controlled means for moving the plunger out of contact with the lever, whereby the valve moves to its closed position.

2,080,536
COMBINED CIGARETTE AND IGNITING MEANS
Deal Clifford Durden, Seattle, Wash.
Application August 28, 1935, Serial No. 38,278
2 Claims. (Cl. 131—52)



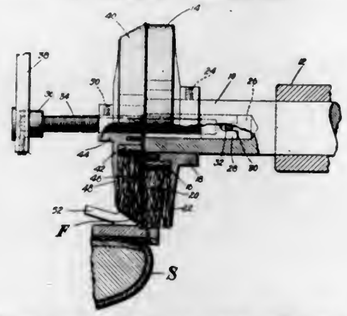
1. The herein described method of incorporating ignitible material with a cigarette and comprising, forming a series of apertures at one end of the cigarette wrapper transversely thereof, plugging said apertures with a paste of ignitible material, drying said plugs, applying to said plugs on one side of the wrapper ignitible material adapted to glow when ignited, and rolling said wrapper around a filler into cigarette form with said last material inside the wrapper.

2,080,537
PROCESSING VAT
Harvey Feldmeier, deceased, late of Little Falls, N. Y., by Lela L. Feldmeier, executrix, Little Falls, N. Y., and Ellsworth Wyman, Little Falls, N. Y., assignors to Cherry-Burrell Corporation, Wilmington, Del., a corporation of Delaware
Application December 6, 1935, Serial No. 53,266
10 Claims. (Cl. 257—109)



1. In an apparatus of the character described, the combination of a substantially rectangular vat having outer heat conducting walls and a standing stationary central heat conducting wall forming with said outer walls a chamber to contain a body of material to be treated, and means for directing temperature changing liquid onto the outer surfaces of said outer and central walls and causing it to flow in films over the outer surfaces of the outer and central walls of the vat.

2,080,538
ABRADING MACHINE
George N. Gordon, Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 31, 1936, Serial No. 61,771
11 Claims. (Cl. 69—1)



11. In a machine of the class described, a rotary abrading tool, a driven flexible shaft upon which said abrading tool is mounted, and a support for said shaft on each side of said tool.

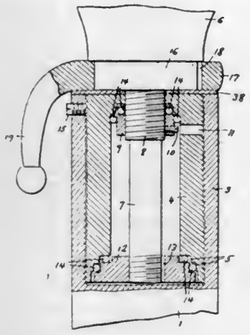
2,080,539
RADIO ANTENNA RETRACTING MECHANISM
George Ellis Irvin, Kansas City, Mo., assignor to Pioneer Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 4, 1934, Serial No. 738,552
10 Claims. (Cl. 250—33)



1. In combination on an aircraft, a radio signalling apparatus, an antenna of the trailing type adapted to be connected to and disconnected from said signalling apparatus, a tube of substantially the same length as said antenna and forming a housing therefor, a source of fluid pressure connected to said tube, and means operated by said fluid pressure for ejecting said antenna from and retracting it into said tube.

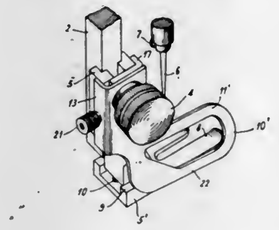
2,080,540
PROPELLER
Otto Isaac, Ely, Nev.
Application August 22, 1936, Serial No. 97,450
1 Claim. (Cl. 170—163)

A variable pitch propeller comprising a hub, internally threaded integral sockets projecting in opposite directions from said hub, sleeves threadedly mounted in said sockets, rotatably adjustable blades projecting radially from the sockets, said blades including reduced inner end portions, shafts projecting into the sleeves from the inner ends of the blades, said shafts comprising enlarged threaded portions adjacent the blades and threaded free end portions, the end portions of the sleeves being internally stepped for providing the outer portions of ball races, a ring threaded on the enlarged portion of each shaft, said ring constituting the inner portion of a ball race, a nut threaded on the free end portion of each shaft and having its periphery stepped for providing the inner portion of a ball race at the inner ends of the sleeves, ball bearings interposed between the outer and inner race portions, a ring fixed on the reduced inner portion of each blade,



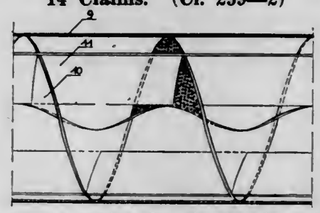
bearing plates interposed between the last named rings and the outer ends of the sockets, arms extending from the last named rings on opposite sides of the hub, and manually operable means connected to said arms for adjusting the blades.

2,080,541
ADJUSTABLE NEEDLE GUARD FOR SEWING MACHINES
William Jacobson and Francis E. Quest, New York, N. Y.
Application December 13, 1935, Serial No. 54,167
2 Claims. (Cl. 112—261)



1. A needle guard for a sewing machine comprising a substantially L-shaped plate formed from a single piece of flat metallic material, said plate having the vertical edge of the vertical section thereof bent at an angle to the plane of the plate, a second plate adapted to contact the vertical section of said needle guard plate, said second plate having an edge thereof bent at an angle such as to provide a clamping channel between the bent edges of the two plates, said second plate and the vertical section of the first plate being provided with registering apertures, and means disposed in the apertures adapted to secure said plates to the sewing machine presser foot, a threaded element extending from the unbent vertical edge of the second plate, and an aperture in the bent edge of the first plate for receiving said threaded element, and means for adjustably engaging said threaded element whereby the width of said channel may be varied at will.

2,080,542
CONVEYER
Ernst Kuss and Horst Miessner, Leverkusen-I. G. Werk, Germany, assignors of one-half to Duisburger Kupferhutte, Duisburg, Germany, and one-half to I. G. Farbenindustrie Aktiengesellschaft, Frankfort, Germany
Application September 8, 1934, Serial No. 743,262
In Germany September 15, 1933
14 Claims. (Cl. 259—2)



1. In an apparatus for the treatment of solid materials with liquids, the combination of a tube, inlet and outlet devices for introducing material into and withdrawing material from the tube, a conveying worm rigidly arranged inside the tube, the tube being provided with a means for rotating it, the conveying worm being provided with shovels, these shovels being rigidly fixed to the sheet of the conveying worm and having the form of a worm of greater angle of inclination, and the sheet of the conveying worm being provided with openings.

2,080,543
TREATMENT OF DYEINGS PREPARED ON CELLULOSE MATERIALS BY MEANS OF SUBSTANTIVE DYESTUFFS
Ferdinand Münz, Frankfort-on-the-Main, and Karl Keller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 4, 1935, Serial No. 4,986. In Germany February 16, 1934
2 Claims. (Cl. 8—5)

1. Improvements in the treatment of dyeings prepared on cellulose materials by means of substantive dyestuffs which comprise after treating dyeings which have been prepared on cellulose materials by means of substantive dyestuffs with a mixture of polyethylene polyamines of the formula:

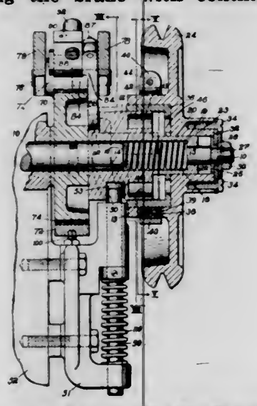
$$H_2N—(C_2H_4NH)_nC_2H_4NH_2$$

and compounds of the formula $(C_2H_4NH)_n$, n in both formulae standing for a number greater than 2, containing only trivalent nitrogen atoms, in the form of their salts with acids.

2,080,544
STARTING AND STOPPING MECHANISM
Walter E. Naugler, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 11, 1934, Serial No. 747,991
9 Claims. (Cl. 192—148)

1. A starting and stopping mechanism having, in combination, a shaft, a loose pulley, a frictional driving connection, a positive driving connection, means for rendering the positive driving connection either operative or inoperative, said driving connections acting mutually, in series when the positive connection is rendered operative, to connect the pulley and the shaft so that the pulley will start the shaft and drive it, after the slippage in the frictional connection has pro-

gressively decreased to zero, at its normal speed, a brake for slowing down the shaft, mechanism for applying the brake with continuously in-



creasing force, and a stop for finally stopping the shaft in a definite angular position while said force is continuously increasing.

2,080,545

CLINCH-ON NUT

Frederick N. Ross, Detroit, Mich., assignor to F. L. McLaughlin Company, Detroit, Mich., a corporation of Michigan

Application April 4, 1935, Serial No. 14,688

7 Claims. (Cl. 85—32)



1. In a clinch-on nut formed of sheet metal comprising a base portion adapted to contact with one side of a sheet of metal to be secured in position against a second sheet of metal carrying a bolt, said first named sheet of metal having an aperture, ears extending inwardly from said base portion through said aperture adapted to be distorted to clinch the nut in position, and an extruded threaded portion extending outwardly from said base portion adapted to receive the threads of a bolt protruding through said second sheet of metal to secure said apertured sheet of metal, said ears being positioned to contact with the sheet of metal carrying said bolt.

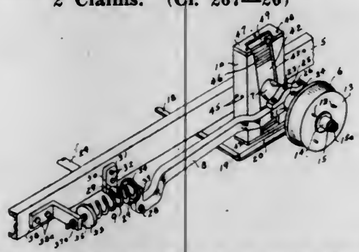
2,080,546

INDEPENDENT WHEEL SUSPENSION

Ercole A. Rudoni, Lincoln Park, Mich.

Application July 18, 1935, Serial No. 32,083

2 Claims. (Cl. 267—20)



1. The combination with a vehicle frame including a torque arm movably secured thereto, of a substantially rectangular guide housing secured broadside to said frame, an arcuate opening in said guide housing, a guide block arranged to travel in said opening, means to enclose said opening, and a stub axle secured to said guide block and to said torque arm.

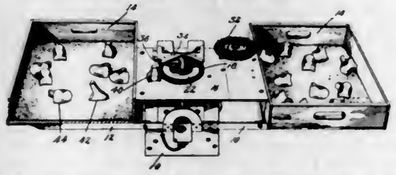
2,080,547

RIMMING MACHINE FOR WOOD HEELS

Harley W. Russ, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application March 16, 1936, Serial No. 69,033

6 Claims. (Cl. 12—42)



1. A rimming machine for wood heels comprising a flat table, and a percussive tool moving substantially flush with the surface of the table whereby a sharp edge of a heel surface resting on said table may be dulled.

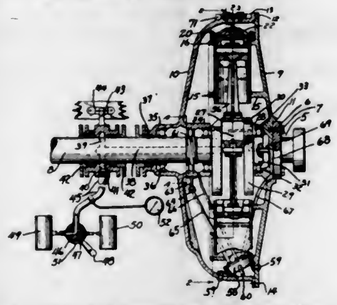
2,080,548

TORQUE TRANSMITTER

Joseph P. Ruth, Denver, Colo.

Application July 27, 1934, Serial No. 737,245

12 Claims. (Cl. 192—60)



1. A torque transmitting device for use in transmitting torque from a driving shaft to a driven shaft, comprising, in combination, an airtight casing nonrotatably connected with one of the shafts, the other shaft extending through an opening in the casing wall and positioned in axial alignment with the first shaft, there being an airtight seal between the casing and the shaft that is rotatably connected therewith, means located within the casing for intermittently producing a partially evacuated space as the driving and the driven shafts rotate relative to each other, means for opening a passage from the interior of the casing to the evacuated space when this has attained its maximum volume, whereby, energy derived from the driving shaft and utilized for producing the partially evacuated space will be converted into torque for turning the driven shaft, and means for varying the gas pressure in the casing.

2,080,549

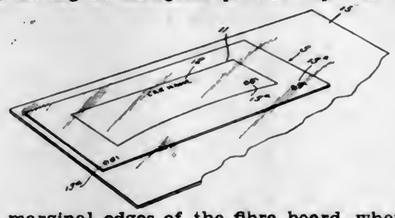
AUTOMOBILE BODY GLASS CUTTING PATTERN

Madison H. Tracy, Detroit, Mich.

Application April 21, 1936, Serial No. 75,653

1 Claim. (Cl. 33—1)

As a new article of manufacture, an automobile body glass supporting and cutting pattern comprising a sheet of compressible fibre board having requisite stability and cushioning properties and of an area to underlie the major portion of the plate of glass placed thereon, the glass supporting surface of said pattern having a figure of a predetermined outline formed thereon, said figure being located wholly within the marginal limits of said fibre board and having its marginal portions spaced from



the marginal edges of the fibre board, whereby to permit the glass to be placed thereon so that the figure may be seen through the transparency of the glass and employed as a guiding pattern in cutting that portion of the glass over the figure while supporting the remaining portion of the glass on the portion of the board located between the figure and marginal edges of said board.

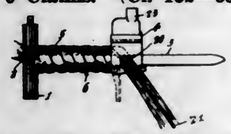
2,080,550

HAIR CURLER DEVICE

Charles E. Waltman, Los Angeles, Calif.

Application March 30, 1935, Serial No. 13,863

6 Claims. (Cl. 132—33)



1. In a hair curling device, the combination of a spindle adapted to receive a wisp of hair wrapped upon the same, a collar in the form of a clamp comprising two spring-pressed jaws for resiliently clamping the spindle, and capable of separating to enable the collar to be applied to the spindle by a lateral movement, one of said jaws having a guide opening therein in the form of an open notch, a bar pivoted on the clamp adapted to extend across the notch to close the same, and form a guide opening for the wisp of hair, said bar being freely movable to an open position to facilitate the introduction of a wisp of hair into the same, and said clamp being freely rotatable on the spindle to enable the same to be rotated to wrap the wisp on the spindle to form a curl, one of said jaws having a handle extending transversely to the axis of the spindle, and the other jaw having a lever enabling the spring-pressed jaws to be separated to apply the collar to the spindle by lateral movement.

2,080,551

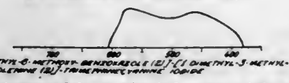
SENSITIZING SILVER HALIDE EMULSION

Hans Konrad Weichmann, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application July 31, 1934, Serial No. 737,853

In Germany August 3, 1933

5 Claims. (Cl. 95—7)



1. A photographic material comprising a silver halide emulsion containing a 3.3'-dialkyl-benzoxo-indolenine-trimethinecyanine salt containing in one of the benzene nuclei a substituent of the group consisting of alkyl and alkoxy.

2,080,552

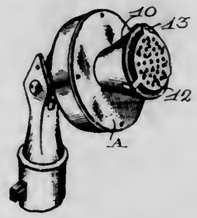
TELEPHONE MOUTHPIECE ATTACHMENT

Harry L. Whittaker, Ville La Salle, Quebec, and William H. Hurford, Montebello, Quebec, Canada

Application February 26, 1934, Serial No. 712,908

Renewed March 23, 1937

5 Claims. (Cl. 179—187)



1. An attachment for the mouthpiece of a telephone comprising a base plate having means for securing the same to the outer end of a telephone mouthpiece and provided with apertures, a high-frequency sound cutting off pad secured against the inner face of the base plate, and vibratory means extending through said pad from the base plate.

2,080,553

ACID PICKLING INHIBITOR

Alexander L. Wilson and Albert B. Boese, Jr., Pittsburgh, Pa., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application November 15, 1934, Serial No. 753,121

10 Claims. (Cl. 148—8)

1. A pickling bath for iron and steel products, which comprises an acid solution containing a small proportion of a parazine derivative having in the para position to the nitrogen an atom selected from the group consisting of nitrogen and sulphur.

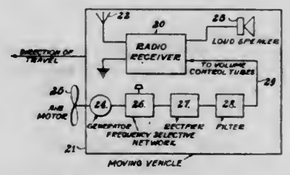
2,080,554

VOLUME CONTROL SYSTEM

Irving Wolff, Merchantville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

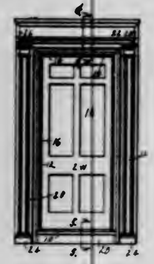
Application October 31, 1934, Serial No. 750,792

19 Claims. (Cl. 250—20)



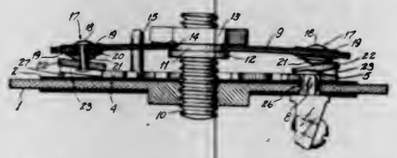
1. The combination with radio receiving apparatus for vehicles, aircraft and the like, of volume control means therefor, and speed responsive means for exerting a control of volume of said apparatus independent of said first named means.

2,080,555
DOOR FRAME CONSTRUCTION
Forrest F. Beil and Earl E. Green, Clinton, Iowa, assignors to George L. Curtis, Eugene J. Curtis, and Charles A. Armstrong, Clinton, Iowa
Application January 6, 1936, Serial No. 57,792
12 Claims. (Cl. 20—11)



10. For use in connection with a wall, a door frame construction comprising a pair of side jambs, side architraves applied to the outer edges thereof and overlapping the face of said wall, spaced pilasters, said architraves being located between said pilasters and said wall and movable relative thereto to define varying widths of door openings.

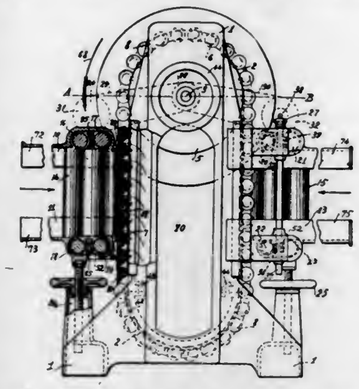
2,080,556
THERMOSTATIC ELECTRIC SWITCH AND CONTACT STRUCTURE THEREFOR
John D. Bolesky, Attleboro, Mass., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application November 22, 1935, Serial No. 51,034
4 Claims. (Cl. 200—138)



1. In a thermostatic electric switch, a base member, a snap acting thermostatic disc mounted thereon at its center, said snap acting disc carrying at least one movable contact member at its periphery, and at least one fixed contact member mounted on said base in position to cooperate with said movable contact member, said fixed contact member having a contact engaging face sloped at an angle to the surface of the base member, said sloped portion sloping away from the point of mounting of said disc.

2,080,557
CHAIN MACHINE FOR THE PRODUCTION OF WOOD CHIPS OR SHAVINGS
Giuseppe Bravi, Varese, Italy
Application January 5, 1935, Serial No. 492
In Italy January 12, 1934
7 Claims. (Cl. 144—187)

1. In a chain drive machine for producing wood shavings, excelsior and the like, an endless cutter chain mounted upon drive wheels and provided with cutters, a track upon said machine, guide rollers upon each link of said chain riding upon said track serving to support and guide the chain upon the rails, means causing the drive wheels to positively engage with and transmit motion to said chain, and a plurality of spaced rotatable and parallel slitting knives mounted upon each link, there being



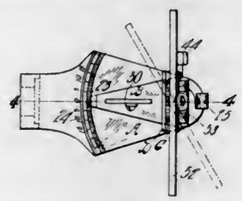
means for preventing said knives from entering more than a predetermined distance into the wood being cut and also preventing the shavings being cut and slitted from rolling up or returning and becoming entangled in the cutters.

2,080,558
DISPERSIONS OF HALOGEN-2-BUTADIENE 1,3 AND THE PROCESS OF MAKING SAME
Wallace Hume Carothers, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 8, 1934, Serial No. 738,931
26 Claims. (Cl. 260—6)

14. A dispersion comprising chloro-2-butadiene-1,3 polymer dispersed in a liquid of the group consisting of glycerin and ethylene glycol and formamide.

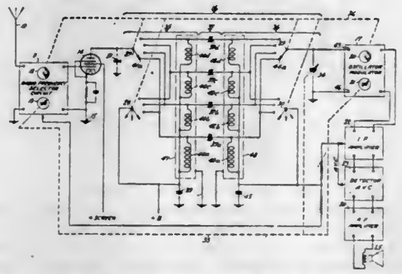
18. The process which comprises dispersing from 40 to 60%, based on the weight of the resulting dispersion, of chloro-2-butadiene-1,3 in glycerin in the presence of 1 to 3%, based on the chlorobutadiene of sodium oleate and thereafter polymerizing the dispersed chlorobutadiene under careful temperature control.

2,080,559
CHECKING DEVICE
Eugene L. Carillon, Bedford, Ohio
Application March 9, 1936, Serial No. 67,784
14 Claims. (Cl. 33—203)



1. A member including a base having means for attachment thereof to an element to be checked and being pivotable about the axis thereof, and a checking means on said base including a part mounted on the top of said base to pivot about an axis at right angles to the first mentioned axis and a part mounted on the top of the first mentioned part to individually pivot about the second mentioned axis.

2,080,560
COUPLING SYSTEM
Nelson P. Case, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application June 21, 1935, Serial No. 27,656
12 Claims. (Cl. 178—44)



1. In a radio receiver including a plurality of vacuum tubes and a circuit tunable over a given band of frequencies, a coupling system for coupling said tubes in cascade comprising; a primary circuit; a secondary circuit in non-inductive relation to said primary circuit and tunable over a band having a fixed relationship to said given band; unicontrol means for simultaneously tuning said tunable circuits over their respective bands; and means for aligning said secondary circuit with said first tunable circuit over said band comprising capacitance connected between said primary and secondary circuits.

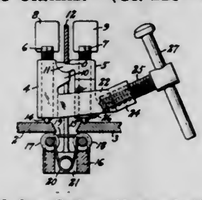
2,080,561
DISPERSION
Benton Dales, Chadds Ford, Pa., and Frederick Baxter Downing, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 8, 1934, Serial No. 738,929
27 Claims. (Cl. 260—6)

8. The process which comprises partially polymerizing a halogen-2-butadiene-1,3 until it contains from about 15% to about 25% polymer, then forming a dispersion of the partially polymerized halogen-2-butadiene-1,3 in an organic liquid as the continuous phase, which organic liquid is a liquid of the group consisting of glycerin, ethylene glycol, and formamide the polymerization of the halogen-2-butadiene-1,3 and then polymerizing the dispersed halogen-2-butadiene-1,3.

2,080,562
PROCESS FOR THE PRODUCTION OF KETENE
Wolfram Eschenbach, Munich, Germany
No Drawing. Application February 18, 1933, Serial No. 657,459. In Germany February 26, 1932
3 Claims. (Cl. 260—123)

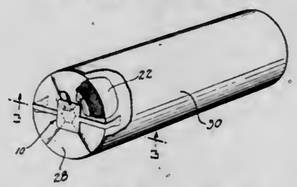
3. Process for the production of ketene consisting of conducting acetone vapor through a tube filled with a catalyst consisting of carbon heated to 550°–700° C., withdrawing the vapor mixture, cooling, condensing and separating the acetone.

2,080,563
ARRANGEMENT FOR FIXATION OF THE EDGES OF A JOINT TO BE WELDED
Sven August Eskilson, Stockholm, Anders Rudolf Gunnert, Lidingo, and Knut Gustaf Ernfrid Hübinette, Stockholm, Sweden, assignors to American Gas Accumulator Company, Elizabeth, N. J., a corporation of New Jersey
Application March 15, 1935, Serial No. 11,264
In Sweden March 27, 1934
13 Claims. (Cl. 113—99)



1. In a tool for fixing the relative positions of two pieces to be welded together, a shank member insertable between the edges of said pieces, means secured to one end of said shank member and engageable with said pieces on one side thereof, a plurality of members movably secured to the other end of said shank member, one of the last mentioned members being engageable with one of said pieces and another being engageable with the other of said pieces, and means for moving said last mentioned members with respect to each other for adjusting the space between said edges.

2,080,564
ROLL PACKAGE AND END LABEL THEREFOR
Ivan Falkenstein, New York, N. Y.
Application May 4, 1935, Serial No. 19,757
3 Claims. (Cl. 40—20)



2. A labeled package comprising a core, a roll of material about said core, an inner wrapper about the sides of said roll and projecting beyond and folded over the end to near the axis, an open-end cylindrical outer wrapper around the sides of the roll, and a label across the end of the roll comprising an enlarged center portion covering the axial break in the inner wrapper, and reduced wings integral with and extending from opposite edges of the center portion of the label and spanning the end of the roll, said wings terminating in enlarged heads bent over and inserted along the sides between the inner and outer wrappers, the ends of said heads being free from slits or concavities whereby they may be readily inserted between the wrappers.

2,080,565
SCREENED WINDOW
Kurt H. Feige, Chicago, Ill.
Application August 14, 1935, Serial No. 36,125
6 Claims. (Cl. 156—39)

1. In a window having a vertically movable sash, a roller carried by the sash, and a screen attached at one end to said roller and at its other end to the frame; a series of spring arms mount-

ed on the frame along the path of movement of the sash to press against a vertical edge of the

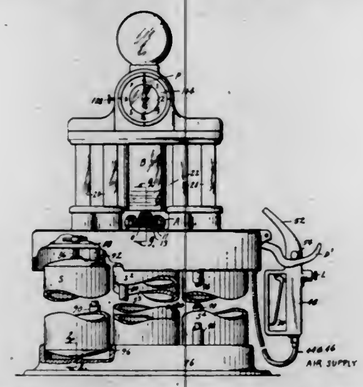


screen when the sash is moved to extend the screen, and manually-operable means for displacing said arms out of the path of the sash.

2,080,566

OIL DISPENSING SYSTEM

Charles W. Ginter and John F. Carter, Bryan, Ohio, assignors to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application February 19, 1934, Serial No. 711,952
55 Claims. (Cl. 221—95)

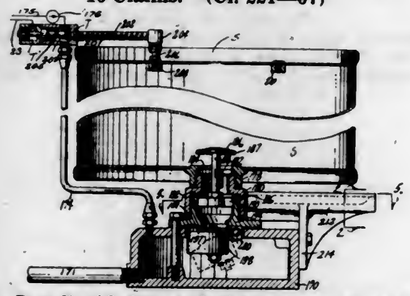


1. In a liquid dispensing apparatus, a dispensing cylinder having a piston therein at one end thereof, a source of liquid under pressure, a liquid supply valve, a conduit from said source of liquid under pressure through said liquid supply valve to said dispensing cylinder, means for opening said liquid supply valve and thereby admitting liquid under pressure to said cylinder to move said piston to the other end thereof, a master valve opened by said piston upon reaching said other end to admit actuating fluid to said other end and force said piston in the opposite dispensing direction, an exhaust valve operable by said piston upon reaching the first mentioned end of said cylinder to exhaust air from said other end of said cylinder and a blow out valve opened by exhausted air to blow out the discharge line from said dispensing cylinder.

2,080,567

LIQUID STORAGE DEVICE

Charles W. Ginter and John F. Carter, Bryan, Ohio, assignors to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application July 23, 1934, Serial No. 736,569
16 Claims. (Cl. 221—67)

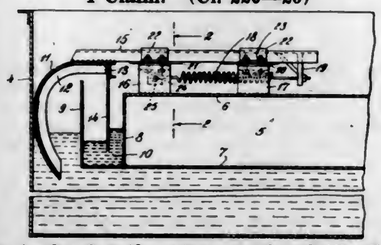


1. In a liquid storage device, a sump, a tank for mounting thereon and removal therefrom, said sump and tank having telescoping elements for coaction with each other to establish hydraulic communication between said tank and said sump and a closure element which is displaceable and non-returnable to its original place, said closure element normally closing the telescoping element of said tank and being engageable with the other telescoping element and thereby displaced for opening said tank when said elements are telescoped together.

2,080,568

FLOATING ROOF CONSTRUCTION

John Hoenighausen, Jamaica, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application April 10, 1936, Serial No. 73,655
1 Claim. (Cl. 220—26)



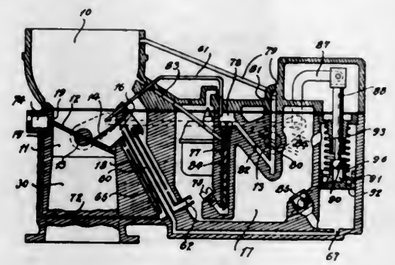
In tanks for the storage of volatile liquids having floating roofs composed of a central pontoon and surrounding shoe-pieces to contact with the tank side, a shoe-piece supporting mechanism comprising two or more bearing supports disposed radially of the tank upon the pontoon deck, bearing plates upon such supports, retention plates above bearing plates defining a passage above each bearing plate, a sliding shoe-piece support bar mounted in said passages to reciprocate on said bearing plate, a spring, anchorage means for said spring on the support nearest the pontoon edge, and attachment means for the opposite end of the spring on the innermost end of the shoe-piece support bar.

2,080,569

DOWNDRAFT CARBURETOR

George M. Holley, Grosse Pointe, Mich., assignor to Geo. M. and Earl Holley Engineering, Detroit, Mich., a trust
Application September 15, 1934, Serial No. 744,160
17 Claims. (Cl. 261—41)

1. In a carburetor the combination of a mixture chamber of venturi form having a restricted throat, a throttle located in the throat, a smaller venturi having its axis inclined to the axis of the main venturi and discharging into the throat of the main venturi against said throttle valve and on the atmospheric side thereof whereby the

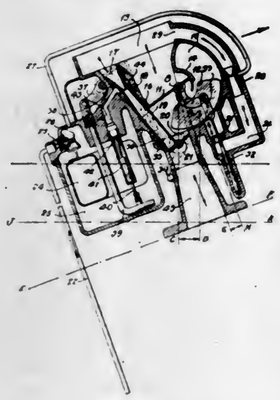


outlet from the smaller venturi is restricted when the throttle is in its closed position, a constant level fuel supply chamber, an air vented fuel well fed therefrom, an air and fuel outlet from said well discharging into the throat of said smaller venturi.

2,080,570

CARBURETOR

George M. Holley, Grosse Pointe Farms, Mich.
Application January 28, 1936, Serial No. 61,247
4 Claims. (Cl. 261—72)

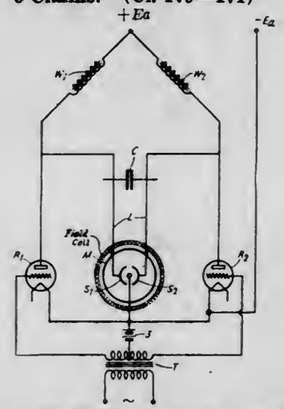


1. A fuel lift carburetor for motor vehicles having an air entrance, an automatic valve therein, a mixing chamber, a mixture outlet therefrom, a throttle valve therein, a fuel supply chamber, a fuel passage leading therefrom discharging into the throat of a Venturi passage through which air is bypassed into said mixing chamber around said air valve, a second Venturi passage through which air is also bypassed around said air valve into said mixing chamber, a passage connecting the throat of said second venturi with the upper part of said fuel supply chamber so as to create a vacuum therein, means for increasing this vacuum when a vehicle is ascending a hill, comprising a weight attached to said air valve and adapted to swing as the air valve opens into the direction of motion of the vehicle.

2,080,571

MODULATION-CONTROLLED MAGNETRON OSCILLATOR

Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 15, 1935, Serial No. 36,308
In Germany August 21, 1934
3 Claims. (Cl. 179—171)



1. In an ultra-high frequency oscillator, a magnetron discharge tube having a cathode and a plurality of anode sectors, a source of direct current in circuit between the cathode and each of the anode sectors, means for modulating said oscillator comprising a push-pull network having a pair of electron discharge tubes the output circuits of which are connected each respectively with one of the anode sectors of said magnetron tube, a source of modulations, and means including a transformer having a secondary winding with a mid-tap connected to the cathode of said magnetron tube and with the extremities of said winding connected respectively to the grids of said electron discharge tubes, said means being adapted to apply modulating potentials from said source of modulations to said grids, thereby to control the impedances of said electron discharge tubes in a push-pull manner and hence to vary the anode potentials applied to the anode sectors of said magnetron tube.

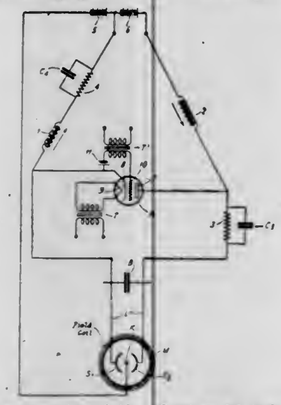
2,080,572

MODULATION SYSTEM FOR ULTRA-HIGH FREQUENCY WAVES

Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 15, 1935, Serial No. 36,309
In Germany August 21, 1934
6 Claims. (Cl. 179—171)

1. In an ultra-high frequency oscillator, an electron discharge tube having a centrally disposed cathode and a plurality of cylindric anode segments surrounding the cathode, means including a source of direct current potential and circuit leads therefrom for polarizing the anode segments positively with respect to the cathode, a Lecher-wire circuit through which the polarizing potentials are impressed upon said anode segments, means for rendering said Lecher-wire circuit resonant to the operating frequency of the oscillator, modulating means including an electron discharge tube the space current path of which is arranged to bridge those two of said cir-

cuit leads from the direct current source which are connected respectively with said anode segments, means for enabling the last said tube to apply modulating potentials contra-phasally to



the anode segments of the first said tube, and a resistive element in one of said circuit leads adapted to suitably equalize the direct current potentials applied to the anode segments of the first said tube.

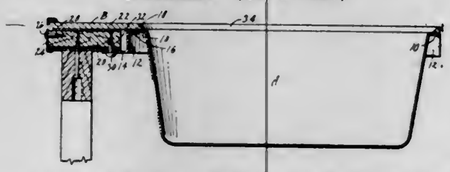
2,080,573

SINK AND COUNTER TOP CONSTRUCTION

Sern Madsen, Clinton, Iowa, assignor to George L. Curtis, Eugene J. Curtis, and Charles A. Armstrong, all of Clinton, Iowa

Application November 16, 1935, Serial No. 50,147

9 Claims. (Cl. 4—187)



1. In a sink construction, an attaching rim at the upper edge of the sink wall, said rim comprising a horizontally outwardly extending portion having a groove formed in the upper surface thereof, and a downwardly extending portion terminating in another outwardly extending attaching portion.

2,080,574

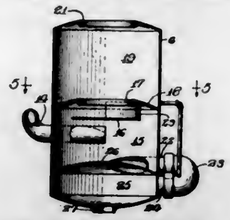
BLOW-OFF APPARATUS

Verl E. McCoy, Chicago, Ill., assignor to Wilson Engineering Corporation, Chicago, Ill., a corporation of Delaware

Application February 18, 1935, Serial No. 7,067

2 Claims. (Cl. 183—84)

2. A blow-off apparatus for temporary connection to blow-off valves of locomotives comprising a tank and means for supporting the same positioned adjacent a railroad track, said tank having a circular horizontal cross section, an inlet pipe connected with the middle portion of said tank for delivering water tangentially thereinto, flexible connecting means connected with said inlet pipe for attachment to a locomotive, a transverse partition above said tank inlet and provided with a central aperture for the upward escape of steam and forming with the side walls of said tank a steam expansion chamber above said partition, the upper end of said tank having an upwardly opening discharge port for steam, and means connected with said tank below said inlet for withdrawing water from the interior of said



tank and constructed for delivering the same in a closed conduit down into the ground to a point of discharge separated from the position of said apparatus.

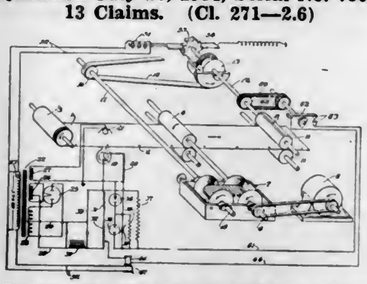
2,080,575

PHOTOELECTRIC REGISTER CONTROL

William R. Perry, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana

Application July 20, 1934, Serial No. 736,143

13 Claims. (Cl. 271—2.6)



1. In an apparatus for maintaing registration of a web having recurrent indicia thereon relatively to a web treating device, means for feeding said web, means for driving said treating device including a differential mechanism having one shaft thereof connected to said treating device, an escapement mechanism for controlling rotation of the other shaft of said differential mechanism, a photoelectric cell, a source of light for said cell interrupted by the recurring indicia on said web and means comprising a gaseous discharge tube, an electro-responsive device and timing switch contacts connected in series and operatively connecting said photoelectric cell and said escapement mechanism whereby the latter is controlled by said photoelectric cell.

2,080,576

HEAT MOTOR

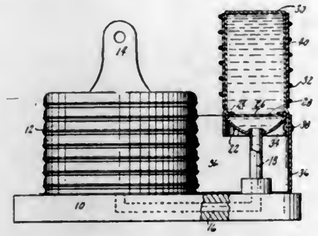
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa

Application August 13, 1935, Serial No. 35,986

4 Claims. (Cl. 60—25)

1. In a heat motor, an expansible and contractible vessel, a boiler in communication therewith, a volatile fluid in said vessel and boiler, means for heating said boiler to effect vaporization of a portion of said fluid and thereby expansion of said vessel, and means for controlling the expansion and contraction of said vessel comprising a chamber between said boiler and vessel of substantial area whereby to provide but small liquid level change upon the liquid being depressed to a thermally-balanced position therein

and the volume thereof subsequently changing, due to slight temperature changes, and a partition having a small two-way orifice between said chamber and boiler through which the returning



liquid is sprayed to within said boiler to quickly condense vapor therein upon said heating means becoming inoperative and the level of the liquid thereafter rising to said partition.

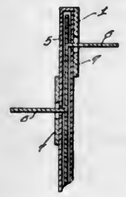
2,080,577

RADIO FREQUENCY TRANSMITTER

Maurice Ponte, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France

Application November 1, 1934, Serial No. 751,018. Renewed September 22, 1936. In France November 13, 1933

10 Claims. (Cl. 250—33)



1. Antenna system coupled to a high frequency circuit, comprising a feeder composed of a rigid tube and a conductor located within this tube and connected to the high frequency circuit, several radiating elements mounted along the length of said tube but insulated therefrom and connected to the said conductor, and means connected to the tube for eliminating the electrostatical coupling between each radiating element and the tube.

2,080,578

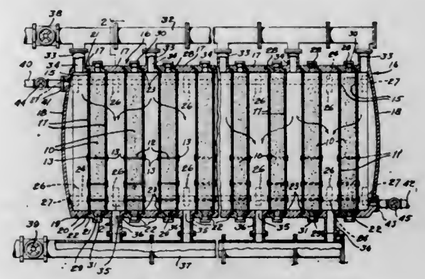
APPARATUS FOR TREATING CASES

Arthur B. Ray, Bayside, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application January 20, 1934, Serial No. 707,449

10 Claims. (Cl. 183—4)

1. Apparatus for recovering a vaporous constituent of a gas, comprising the combination of a pressure-tight vessel, including a plurality of annular flanged interfitting members disposed in series between flanged end members, a plurality of compartments formed between alternating annular members and having perforate side walls adapted to contain adsorbent carbon and maintain the same in thin, vertically-disposed spaced layers, means for introducing granular material into the said compartments, said annular members forming a plurality of fluid compartments intermediate the last-named compartments, regulatable means for admitting gas containing the component to be recovered into every second one of the said fluid compartments, regu-



latable means for conducting gas from each of the remaining fluid compartments, and means for flowing steam through and from each of the said fluid compartments and said pressure vessel.

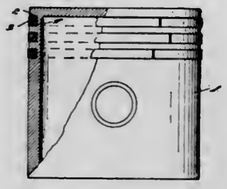
2,080,579

PISTON RING

Thomas Schaub, Philadelphia, Pa.

Application September 17, 1935, Serial No. 40,872

1 Claim. (Cl. 309—44)



A compound piston ring, comprising an inner split ring and an outer split ring, the outer ring being adapted to have a close working fit in the piston groove, and the inner ring being designed to be at all times contained in the piston groove and being of less width from top to bottom than the outer ring, said inner ring being triangular in cross section, and having a straight inner wall, a lateral wall and a wall inclining from one edge of the lateral wall to an edge of the straight wall, said outer ring having parallel top and bottom walls of different lengths, a straight outer wall, and an inclined inner wall, the inclination of said last named inner wall being such as to cause the same to parallel the outer face of the inner ring in all cross sectional planes.

2,080,580

BURNER CONTROL CIRCUIT PROTECTION SYSTEM

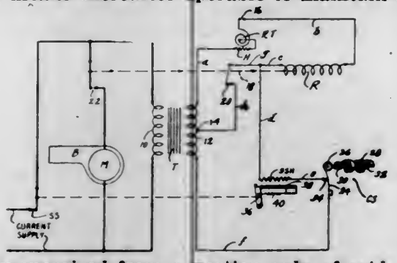
Burton E. Shaw, Adel, Iowa, assignor to Penn Electric Switch Company, Des Moines, Iowa, a corporation of Iowa

Application December 2, 1935, Serial No. 52,595

8 Claims. (Cl. 158—28)

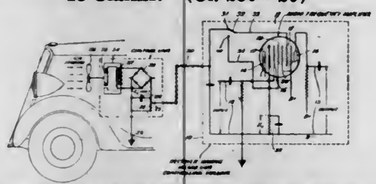
1. In a protection system for burners, a transformer, a room thermostat, a relay operable upon energization to cause operation of the burner, a circuit including the secondary of said transformer and said relay and controlled by said room thermostat, said room thermostat establishing

said circuit upon closure of the room thermostat, and means thereafter operable to maintain said



relay energized from a portion only of said secondary.

2,080,581
VOLUME CONTROL SYSTEM
Rogers M. Smith, Merchantville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 29, 1934, Serial No. 746,078
13 Claims. (Cl. 250—20)



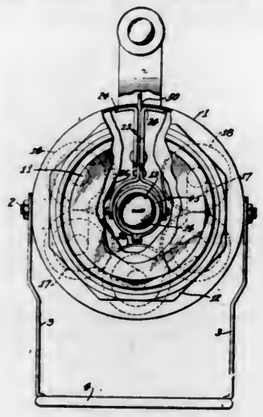
1. In a mobile sound producing system, the combination with an audio frequency amplifier, of an electric discharge amplifier device having a signal control grid, a signal input circuit connected therewith, a signal output electrode, a signal output circuit connected therewith, a cathode, means in circuit with said cathode for providing a self-bias potential for said control grid, and a gain control grid for said device, means responsive to speed of travel of a vehicle for controlling a potential on said gain controlling grid, and means for deriving said potential from said self-bias resistor.

2,080,582
REMOVAL OF ARSENICAL IMPURITIES
Victor E. Speas and Nathan M. Mnookin, Kansas City, Mo., assignors to Speas Mfg. Co., Kansas City, Mo., a corporation of Missouri
No Drawing. Application July 16, 1934, Serial No. 735,431
15 Claims. (Cl. 99—147)

9. A process for removing arsenical impurities from a solution containing the same, comprising acidifying said solution with acetic acid, supplying tannic acid in said solution and adding ferric hydroxide thereto to adsorb said arsenical components and removing the hydroxide and adsorbed arsenical components from the solution.

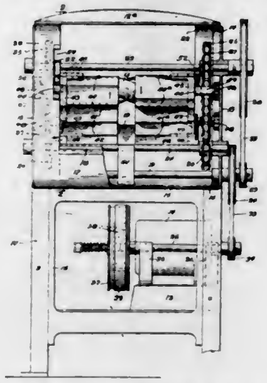
2,080,583
FLASHLIGHT
Frank G. Stimson, Belleville, N. J., assignor to Bond Electric Corporation, Jersey City, N. J., a corporation of Delaware
Application October 5, 1933, Serial No. 692,233
4 Claims. (Cl. 240—10.63)

1. In an electric hand lamp, in combination, a casing, a member whereof the axis is substantially coaxial with the casing axis and which is formed with depressed cell positioning portions



and conductive means at either end of said member alternately connecting unlike terminals of adjacent cells.

2,080,584
DOUGH TWISTING MACHINE
Frank Streich, Chicago, Ill., assignor of one-third to Caleb H. Canby, Jr., and one-third to H. Hoyt Thompson, both of Chicago, Ill.
Application August 8, 1936, Serial No. 94,921
13 Claims. (Cl. 107—8)

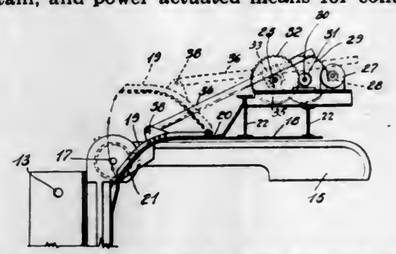


1. In a dough twisting machine, the combination of a pair of aligned oppositely disposed rotatory dough twisting elements, rotating upon a common axis, means to propel said elements through parallel orbits and means to rotate said dough twisting elements in opposite directions.

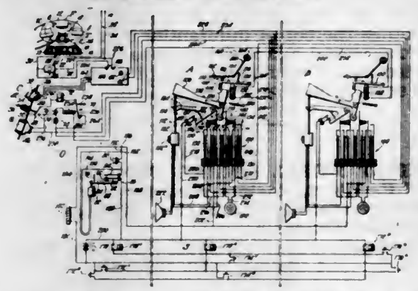
2,080,585
CAR DUMPER
Ernest W. Taylor, Bay City, Mich., assignor to Industrial Brownhoist Corporation, Bay City, Mich., a corporation of Ohio
Application August 8, 1934, Serial No. 738,980
5 Claims. (Cl. 214—123)

1. In a car dumper, a tower, a cradle adapted to carry a car upwardly in the tower and at a certain elevation to be tilted to dump the contents of the car, a substantially flat curtain closely fitting and forming a closure for the open

top of the car, gates hingedly connected to said curtain, and power actuated means for controlling the opening and closing of said gates to retard and meter the car contents.



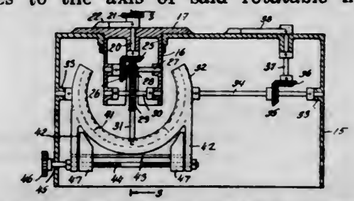
2,080,586
INTER-OUTER TELEPHONE SYSTEM AND EQUIPMENT
Richard Varley, St. George, Staten Island, N. Y., assignor to Inter-Outer Telephone Corporation, Dover, Del., a corporation of Delaware
Application September 26, 1935, Serial No. 42,240
25 Claims. (Cl. 179—1)



1. An inter-outer system of telephone communication comprising in combination an inter-office telephone system comprising a plurality of branch stations adapted to be connected for inter-office communication and each having a transmitter and a receiver, an acoustical coupling device having a transmitter and a loud speaker, a public telephone system having a receiver and a transmitter adapted to be placed in acoustical relation with the transmitter and loud speaker of said coupling device, and circuit-connecting means operable by the user at each of said branch stations for connecting the transmitter and receiver thereof in one type of circuit arrangement with respect to each other for inter-office communication and for connecting the transmitter and receiver thereof in a different type of relative circuit arrangement with the transmitter and loud speaker of said acoustical coupling device for communication with said public telephone system.

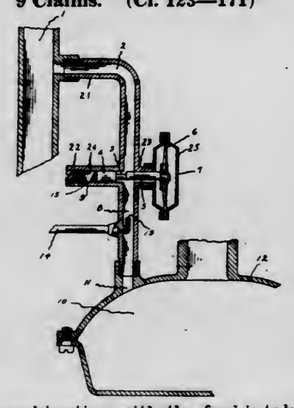
2,080,587
CALCULATING DEVICE
Nicholas Sinitzin-White, Bridgeport, Conn., assignor of one-third to John L. R. Glover, Fairfield, Conn., and one-third to Nicholas N. Solovioff, Milford, Conn.
Application March 21, 1935, Serial No. 12,224
8 Claims. (Cl. 33—1)

1. Apparatus of the character described comprising a rotatable member adapted to be set in a position corresponding to the hour angle of a celestial body, a second member pivotally mounted on the axis of said rotatable member and movable therewith and independently rotatable and adapted to be set in a position corresponding to the declination of said celestial body, and an arc pivoted on an axis at right angles to the axis of said rotatable member,



and adapted to be set in a position corresponding to the latitude of the observer whereby the azimuth and the altitude of the celestial body may be ascertained from the positions of said rotatable member and said second member.

2,080,588
CRANKCASE VENTILATOR FOR INTERNAL COMBUSTION ENGINES
Ralph S. Whittington, Oak Park, Ill., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application June 17, 1932, Serial No. 617,827
Renewed October 24, 1936
9 Claims. (Cl. 123—171)



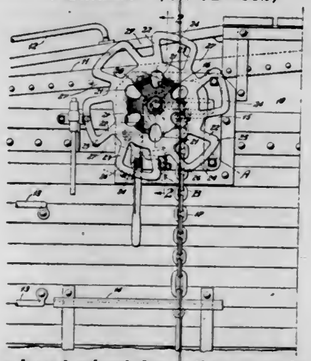
1. The combination with the fuel intake system and the crankcase of an internal combustion engine of a conduit connecting said intake system to said crankcase of said engine, a valve in said conduit between said intake system and said crankcase, an adjustable spring actuating said valve to open said conduit from said intake system to said crankcase, a diaphragm connected to said valve, a passage from the conduit to the inner face of the diaphragm whereby the vacuum in said system tends to close said conduit from said crankcase, and means for adjusting said spring to act to open said intake system to said crankcase.

2,080,589
SEPARATING AFTER-CHLORINATED POLYVINYLCHLORIDE FROM ITS SOLUTIONS
Georg Wick, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 5, 1936, Serial No. 114,335. In Germany August 9, 1935
4 Claims. (Cl. 260—2)

4. In the process of separating an after-chlorinated polyvinylchloride from its solutions in

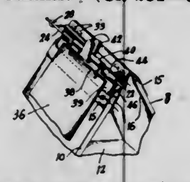
tetrachlorethane the steps which comprise concentrating the solution so that it contains about 10 per cent of the after-chlorinated polyvinylchloride, cooling the solution to about —20° C. to about —30° C. until it gelatinizes and adding about ½ to about ⅓ of the volume of cooled methanol.

2,080,590
HANDWHEEL FOR BRAKES
Albert P. Withall, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application July 22, 1935, Serial No. 32,470
7 Claims. (Cl. 74—552)



1. In a hand wheel for railway car brakes, the combination with a hub member adapted to be secured to the rotary member of the brake mechanism; of a plurality of pairs of spokes extending outwardly from said hub section; and a rim section connecting the outer ends of each pair of spokes, said wheel being rimless between adjacent pairs of spokes.

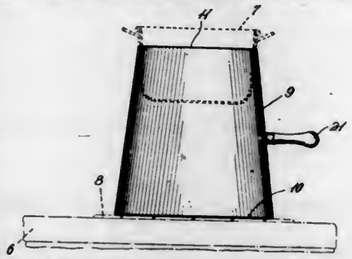
2,080,591
NOTEBOOK HOLDER
Margaret M. Wright, Lewiston, N. Y.
Application June 19, 1936, Serial No. 86,042
7 Claims. (Cl. 281—33)



2. A note-book holder comprising a front cover section, a middle section and a base section, hinge connections between proximate ends of adjacent sections, a safety-pin-like clasp member secured at the hinge connection between the front and middle sections, a spring-clamp and a member, U-shaped in cross-section, secured to one jaw of the spring clamp removably securing the spring-clamp to the clasp.

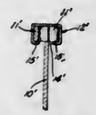
2,080,592
DRY COOKER
Edward H. Zickler, Zillah, Wash.
Application November 4, 1936, Serial No. 109,158
2 Claims. (Cl. 53—8)

1. An approved dry cooker comprising a frusto-conical shell of fire-resisting material open at both ends and unobstructed as to its interior from one open end to the other, one open end being greater in diameter than the other open end due to the conic section on which said shell is formed, the diameters of both small and large open ends of the shell being sufficiently great to enable either circumferential edge of the shell at the large or the small opening to seat upon the grill of the burner of a stove, rings having the same external diameter to enable all such



rings to seat upon the circumferential edge of the shell at the larger opening, said rings having vertically downturned flanges fitting over a portion of the wall of the shell to avoid horizontal shifting of the rings on the shell, said rings having openings thereof of differential diameters, and a cooking vessel adapted to be seated in and supported in the opening in one of said rings or in the smaller open end of said shell.

2,080,593
SHEET METAL EDGING CONSTRUCTION
Carl P. Albert, Racine, Wis., assignor to Greene Manufacturing Co., Racine, Wis., a corporation of Wisconsin
Application May 11, 1936, Serial No. 79,111
4 Claims. (Cl. 189—34)

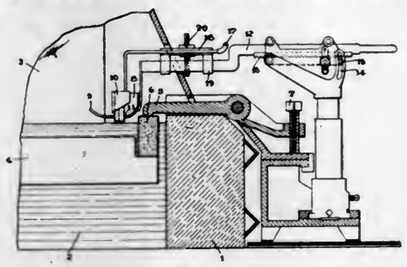


1. In combination, a metallic plate formed of standard sheet metal and provided adjacent an edge with spaced waves connected to and pressed laterally of a face of the plate out of the stock thereof, and an elongated hollow metallic strip of box-like cross-section enclosing said edge and the waves, one wall of the strip engaging certain edges of the waves, another wall of the strip engaging the side surfaces of waves, and still another wall of the strip engaging other edges of the waves.

2,080,594
EDGE BOWL COOLER
John Amber, Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application April 18, 1935, Serial No. 16,965
2 Claims. (Cl. 49—17)

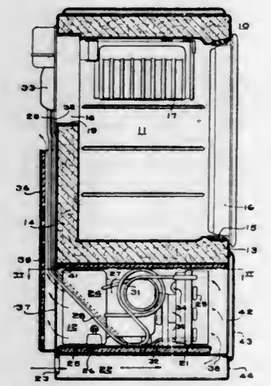
1. The combination with apparatus for drawing sheet glass from a molten pool, of means for maintaining a predetermined width of sheet comprising a concave plate shield provided with an opening and having a pair of outwardly projecting fingers fitting around the edge of the sheet, means for cooling the area within and below the shield comprising a hollow block adjustable with relation to the shield partially surrounded by the concave shield and projecting below it through the opening provided therein, said block having a

concave side adjacent the edge of the glass sheet being drawn but not in contact therewith, and



means for circulating a cooling medium through said block.

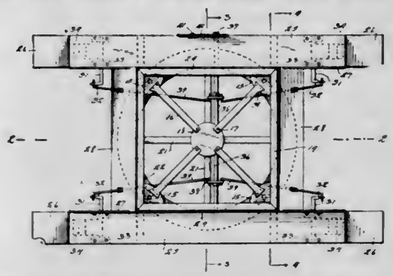
2,080,595
REFRIGERATING APPARATUS
William B. Anderson and Sidney C. Eaker, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 10, 1935, Serial No. 35,588
5 Claims. (Cl. 62—116)



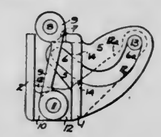
1. In refrigerating apparatus, the combination of a cabinet structure embodying a machinery compartment, a refrigerating machine including a motor and a compressor disposed in the machinery compartment, said cabinet being provided with a cooling air inlet disposed at the back of the cabinet adjacent the bottom thereof, and means for directing a current of cooling air first through the inlet then forwardly of the cabinet beneath the machinery compartment, then upwardly into the machinery compartment and rearwardly therethrough to extract heat from the motor and compressor and thence upwardly along the back of the cabinet and away from said inlet.

2,080,596
TURNTABLE FOR AUTOMOBILES
Richard F. Ash, Alton, Ill.
Application July 25, 1936, Serial No. 92,634
3 Claims. (Cl. 104—44)

1. An automobile turntable, including a vertical spindle having an enlarged head, a sheet metal plate mounted upon said head, the lateral margins of the plate extending downward, then laterally outward to form runways, the runways extending forward and rearward beyond the central portion of the plate, said runways having upwardly extending flanges forming longitudinal extensions of the downwardly extending portions of the plate, the central portion of the plate between the runways having downwardly and outwardly inclined portions constituting aprons abutting against and rigidly engaged with the vertical inner flanges of the runways to thus strengthen and reinforce the runways.

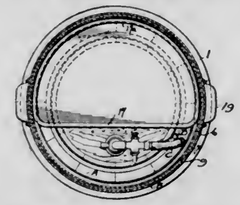


2,080,597
HINGE
Fred G. Bates, Highland Park, and Landlin B. Bishop, Detroit, Mich.
Application February 16, 1934, Serial No. 711,458
9 Claims. (Cl. 16—166)



3. A hinge consisting of two plates one of which is apertured, a tongue extending from the other plate and being slidable through said aperture, guide means extending laterally from both sides of the apertured plate and through the aperture, means carried by the outer extremity of the tongue slidable in the guide means, and connecting means for the plates pivoted at each extremity to one of the latter about parallel axes.

2,080,598
BEVERAGE COOLER
John Bodenstab, Detroit, Mich.
Application April 14, 1936, Serial No. 74,266
3 Claims. (Cl. 62—32)

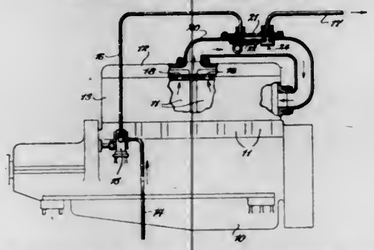


1. A beverage cooler comprising a base having a raised central portion adapted to receive a barrel and a downwardly stepped annular margin, a removable annular enclosing wall resting upon said margin and encircling said barrel, a cover the underside of which is provided with an upwardly stepped annular margin, said margin resting upon the top of said wall, and separate means for making an airtight joint between each annular margin and the adjacent extremity of the wall.

2,080,599
WIRE DRAWING METHOD AND LUBRICANT THEREFOR
Silas A. Braley, Pittsburgh, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 30, 1936, Serial No. 93,412
6 Claims. (Cl. 205—21)

1. The art of making wire, rods and the like, which comprises coating the stock with lime, and then drawing the stock through a suitable die, with a lubricant comprising aluminum palmitate.

2,080,600
COOLING SYSTEM FOR INTERNAL COMBUSTION MOTORS
Norman C. Bremer, Ithaca, N. Y.
Application January 28, 1935, Serial No. 3,717
18 Claims. (Cl. 123—170)



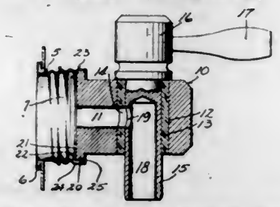
1. A cooling system for an internal combustion engine having a water jacket, comprising a manifold having its opposite ends connected to remote parts of said jacket so as to be capable of effecting a recirculation of the water therein, a jet in said manifold disposed to direct a stream of water longitudinally of said manifold to positively effect such recirculation, means for supplying cold water to said jet, means immediately adjacent the discharge of said jet for relieving an amount of water from the recirculation system equal to the cold water delivered by said jet and thermostatic means responsive to the engine temperature for effecting a bypass of the cold water delivered by said jet directly to said outlet when the engine is cool.

2,080,601
BATHTUB
Frank Cappuccio, Oakland, Calif.
Application June 9, 1934, Serial No. 729,773
1 Claim. (Cl. 4—173)



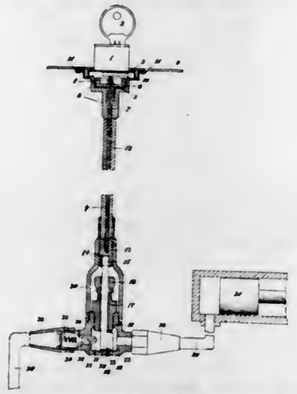
A bath tub comprising, a rigid tub casing formed with a bottom, double wall sides and ends joined in a horizontal top or rim portion about the tub, the outer of said walls being provided with a circumferential extending recess adjacent said top, and a rubber coating vulcanized as a single continuous sheet over said bottom and inner walls of said sides and ends and extended over said top and partially down the outer sides of said outer side and end walls and terminated in said recess.

2,080,602
DISPENSING CONTAINER
Alfred J. Chamberlain, Wauwatosa, Wis.
Application October 5, 1935, Serial No. 43,766
2 Claims. (Cl. 221—23)



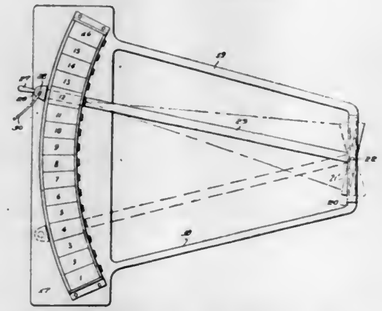
1. An article of manufacture comprising a faucet provided with an outwardly directed flange adjacent the inlet end thereof, a stamped metal coupling ring loosely mounted upon said faucet and having an inturned flange overlying the external flange of the faucet, said ring being provided with rolled screw-threads adapted to cooperate with the screw-threaded outlet fitting of a metal container, and a transversely disposed removable valve member carried by the faucet and functioning to control the flow of fluid through the faucet and to retain the coupling ring upon the faucet body.

2,080,603
SAFETY BRAKE FOR AUTOMOBILES, AGAINST THEFT OF THE SAME
Domingo Cometto and Juan Cometto, Buenos Aires, Argentina
Application September 4, 1934, Serial No. 742,684
2 Claims. (Cl. 188—265)



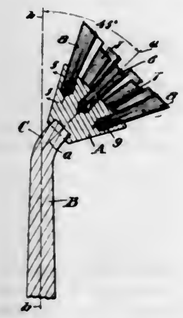
1. For use in automobiles having hydraulic brake cylinders, a source of pressure and a conduit from said source of pressure leading to the brake cylinders, a safety device for locking the brakes comprising a valve in the conduit opening toward the brake cylinders, a spring tending to close said valve, an eccentrically mounted cylinder forming a valve actuator in said last named conduit said cylinder having a groove in the bottom thereof and a lug on the conduit fitting into said groove, the ends of said groove forming stops limiting the rotation of the valve actuator in both directions and the groove guiding said last named cylinder in its rotation and means extending to the exterior of said conduit to rotate said last named cylinder and to lock it against rotation whereby the valve may be locked in open position or be free to open and close.

2,080,604
APPARATUS FOR MAKING STEREOSCOPIC POSITIVES FROM NEGATIVES
Ernest E. Draper, Scarsdale, N. Y., assignor to The Perser Corporation, New York, N. Y., a corporation of New York
Original application April 24, 1931, Serial No. 532,522. Divided and this application August 30, 1934, Serial No. 742,083
20 Claims. (Cl. 88—24)



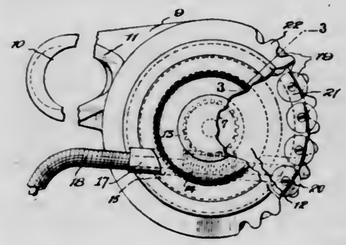
19. Apparatus for making a composite interlineated image from a plurality of discrete negatives taken from slightly different viewpoints comprising means for holding said negatives side by side in fixed relationship to each other and in substantially the same relative position in which they were taken, means for successively projecting said negatives onto the same photographically sensitive surface, means for maintaining the relative position of the sensitive surface and the negative to be projected substantially the same for each negative when the negatives are in position to be projected onto the photographically sensitive surface, a lineating screen placed between the sensitive surface and the negative in position to be projected, and means for moving said lineating screen and sensitive surface relatively to each other between each successive exposure.

2,080,605
TOOTH BRUSH
Harold Palmer Duey, Los Angeles, Calif.
Application September 27, 1934, Serial No. 745,691
1 Claim. (Cl. 15—167)



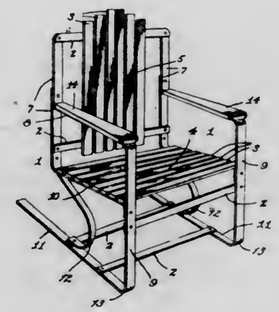
In a tooth brush, a head having an annular outer end portion, a tuft of bristles protruding axially from the center of said circular end portion, a plurality of rows of spaced tufts of bristles protruding from the outer end of said head encircling said central tuft with the tufts in said rows diverging outwardly relative to said central tuft; the ends of the tufts in the outermost row terminating on a common plane and the end of the central tuft terminating on a plane spaced inwardly from the plane of termination of the outer row of tufts; the bristles forming the intermediate tufts terminating on an inclined plane extending intermediate the plane of termination of the central tuft and the outer row of tufts.

2,080,606
SKINNING APPARATUS
Mario Frudua, Milan, Italy
Application July 20, 1935, Serial No. 32,445
In Italy August 2, 1934
7 Claims. (Cl. 17—22)



4. An apparatus for separating the skin from the flesh of slaughtered animals which is operable by hand and driven by means of a flexible shaft, comprising a two-part casing composed of a substantially circular box and a circular disk, the edges of which are superposed, and interconnected by a central bolt, a cutting device consisting of a set of substantially circular cutters suitably mounted in said box in contiguity with the periphery of said disk, means for revolving said disk with the cutters and other means fitting the hand of the operator for guiding the apparatus.

2,080,607
CHAIR
Ermanno Galante, Woburn, Mass.
Application March 13, 1936, Serial No. 68,585
2 Claims. (Cl. 155—50)



1. A chair having duplicate side frames, each comprising in combination, a metal bar bent to provide in integral sequence an upper back

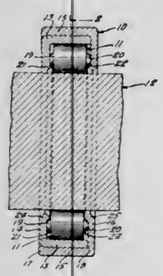
section, an arm section, a front leg section, and a sill; a bar connected to said first named bar and bent to provide in integral sequence a lower back section in extension of said upper back section, and a seat section; a resilient back leg section connecting with said second named bar and with said sill, said resilient back leg section being bowed in the direction of said front leg section; and means tying together said respective frames.

2,080,608
GOLF GAME IMPROVER
Earle S. Hannaford, Clayton, Mo.
Application February 23, 1935, Serial No. 7,721
1 Claim. (Cl. 273—35)



A golf swing practice device, comprising a stick abbreviated relative to the usual length of a golf club shaft and weighted to have its center of gravity closely adjacent one end of the same, a double convex lens at said end, an electric light filament within said stick and so shaped and spaced from said lens that the image of said filament will be clearly projected onto the playing surface in the form of an elongated bar as the stick is swung thereover, and means to energize said filament.

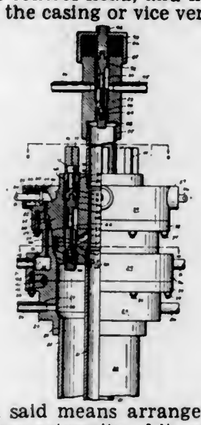
2,080,609
BEARING CONSTRUCTION
Lewis R. Heim, Mount Dora, Fla.
Application January 2, 1931, Serial No. 506,053
Renewed May 2, 1934
14 Claims. (Cl. 308—212)



1. In bearing construction, in combination, a race including a pair of cylindrical shells telescopically fitted together so that one edge portion of the outer shell overlaps the corresponding edge portion of the inner shell to form an interlock, and radial flanges extending inwardly to form the opposite sides of said race, each flange being integral with one of said shells; and a plurality of rolls disposed in said race.

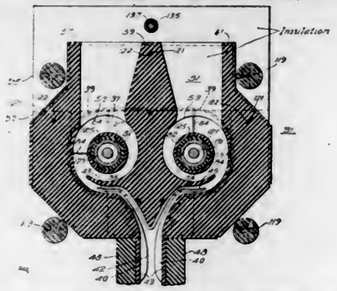
2,080,610
COMBINATION BLOW-OUT PREVENTER, CASING HEAD CONSTRUCTION
Granville A. Humason, Houston, Tex.
Application May 6, 1935, Serial No. 19,920
5 Claims. (Cl. 166—15)

1. The combination of a casing, a tubing, a control head on the tubing, means on the casing to engage the control head, and means to bypass the tubing to the casing or vice versa through the



control head, said means arranged to close the bypass at either extremity of its movement.

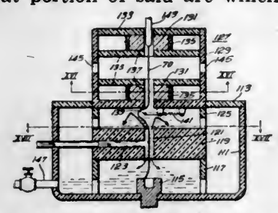
2,080,611
CIRCUIT BREAKER
Frederick B. Johnson, Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 22, 1935, Serial No. 22,778
34 Claims. (Cl. 200—144)



1. In a circuit interrupter, means for establishing a single arc, means for splitting the arc lengthwise into a plurality of parallel-related arcs and means for splitting each of the plurality of arcs crosswise into a plurality of series-related arcs.

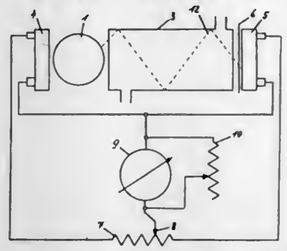
2,080,612
CIRCUIT BREAKER
Fritz Kesselring, Berlin-Hermsdorf, and Floris Koppelmann and Werner Kaufmann, Berlin-Siemensstadt, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 2, 1934, Serial No. 709,458
In Germany February 3, 1933
6 Claims. (Cl. 200—144)

5. In a circuit interrupter, means for defining the walls of an arc passage one portion of which comprises a gas blast chamber and another portion of which comprises a jet chamber, a body of arc extinguishing liquid, means for drawing the arc incident to each opening operation within said arc passage, one portion of said arc being drawn within each of said chambers, means actuable during each operation of said interrupter to subject that portion of said arc which is drawn within said jet chamber to a flowing jet of said arc extinguishing liquid, and means for subjecting that portion of said arc which is drawn



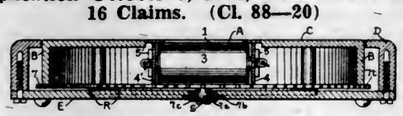
within said gas blast chamber to a blast of arc extinguishing gas derived from a source other than said arc extinguishing liquid.

2,080,613
LIGHT OPERATED ELECTRIC PHOTOMETER
Bruno Lange, Berlin-Dahlem, Germany
Application March 6, 1933, Serial No. 659,607
In Germany March 8, 1932
1 Claim. (Cl. 250—41.5)



In a photometric apparatus, comprising in combination, a single source of light, two blocking layer cells connected in series and both illuminated by said single source of light, terminals of opposite polarity of said cells inter-connected, a galvanometer connected in parallel to said two cells, a light filter between said source of light and one cell and a variable resistance in shunt with said galvanometer to regulate the sensitivity of said galvanometer and to adjust the deflection of the galvanometer to a scale of absolute values corresponding to the light absorption of the filter.

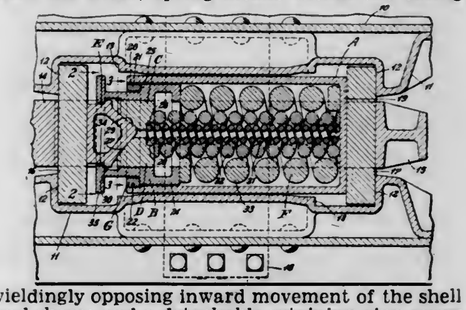
2,080,614
ASTIGMATOMETER
Orval W. Lee, Spokane, Wash.
Application October 9, 1934, Serial No. 747,549
16 Claims. (Cl. 88—20)



2. An optical appliance comprising a rotatably mounted casing, a pair of separate frame plates removably mounted in guideways in the casing, a pair of rollers, bearing supports upon the frame plates for said rollers, a screen-belt upon the rollers, means for automatically spacing the rollers, means for rotating the rollers and means for rotating the casing.

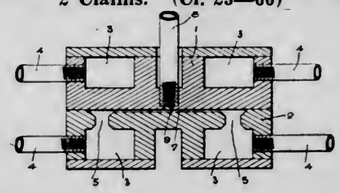
2,080,615
FRICTION SHOCK ABSORBING MECHANISM
Henry B. Loewer, Kenmore, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 22, 1935, Serial No. 22,682
11 Claims. (Cl. 213—24)

4. In a friction shock absorbing mechanism, the combination with a casing open at one end; of a friction shell movable with respect to the casing, said shell having interior friction surfaces; friction shoes engaging the friction surfaces of the shell; a block having wedging engagement with the shoes; spring means within the casing



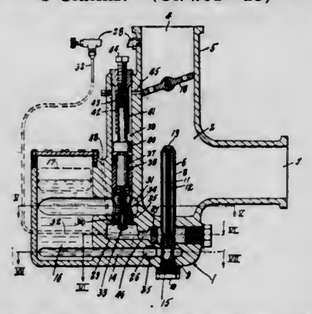
yieldingly opposing inward movement of the shell and shoes; and a detachable retaining ring screw threaded into the open end of the casing for adjustment lengthwise of the casing, said ring having shouldered engagement with the shell to limit outward movement thereof.

2,080,616
PRECIPITATED FINELY DIVIDED CALCIUM CARBONATE
George Lynn, Wadsworth, and Edward M. Allen, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application March 17, 1933, Serial No. 661,342
2 Claims. (Cl. 23—66)



2. A process of obtaining finely divided calcium carbonate which comprises dispersing finely divided calcium carbonate in an alkaline solution while controlling the alkalinity of the solution to maintain a pH value of 9.5 to 11.5.

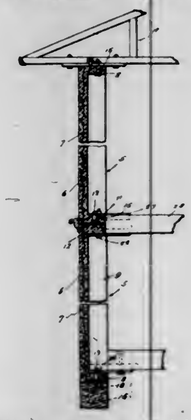
2,080,617
MULTIPLE FUEL CARBURETOR
Flavio Madariaga, Venice, Calif.
Application June 10, 1935, Serial No. 25,796
5 Claims. (Cl. 261—18)



3. In a multiple fuel carburetor, means defining an air passage through which air and fuel may be passed to an engine, a reservoir for one

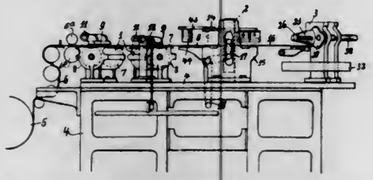
type of fuel, a second reservoir for a second type of fuel, a fuel passage intercommunicating said first reservoir and said air passage, a second fuel passage intercommunicating said second reservoir and said air passage, means for alternately closing one or the other of said fuel passages, a sump, means for supplying fuel from said first reservoir to said sump, valve means interposed between said first named reservoir and said sump, and means responsive to vacuum in said air passage for closing said valve when vacuum is present in said air passage.

2,080,618
STRUCTURAL UNIT
Carl C. Madsen, Los Angeles, Calif., assignor to Elwood C. Madsen, Redlands, Calif.
Application February 10, 1936, Serial No. 63,231
2 Claims. (Cl. 72—40)



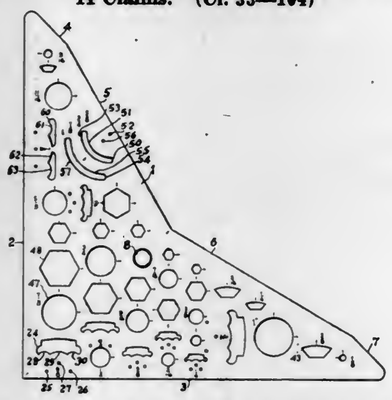
1. A building unit comprising a reinforced concrete slab having projecting from one side thereof a reinforced integral concrete rim, said rim being provided externally with a continuous groove and hollow nipples extending through the rim and communicating with the groove to provide a conduit for feeding liquid bonding material to the groove.

2,080,619
METHOD AND MACHINE FOR MANUFACTURING PAPER TUBES, ESPECIALLY CONICAL TUBES
Christian Majer, Tubingen, Germany
Application June 1, 1934, Serial No. 728,511
In Germany February 18, 1933
14 Claims. (Cl. 93—79)



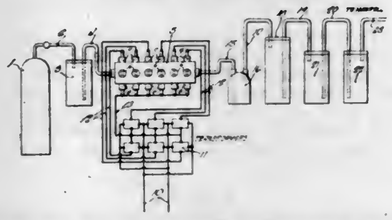
1. A method for manufacturing paper tubes, especially tubes of any conicity, the sheets for which are cut from a paper web and wound, consisting in skiving sections of the paper web at predetermined distances apart from both sides of the web towards the middle at an angle transversely to the paper web, in cutting the web along these skived portions into sheets of polygonal shape with a central hole one behind the other in the length of the web with their centre substantially in the middle of the web, and in winding these sheets commencing at one of the skived edges.

2,080,620
DRAFTING INSTRUMENT
Raymond I. Martin, Dayton, Ohio
Application October 19, 1934, Serial No. 749,084
11 Claims. (Cl. 33—104)



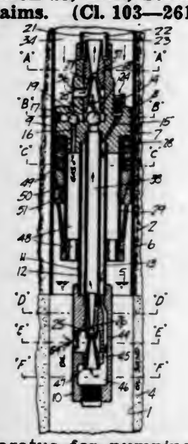
1. A drafting instrument comprising a body, and a set of apertures in said body, said set comprising individual template apertures having the partial outlines of the heads of standard sized bolts, said apertures having scalloped portions for the side-elevational head outlines, each scalloped portion having three index apertures in spaced relationship therewith, one pair of said index apertures being adapted to indicate the shank diameter of said bolt, the third index aperture being spaced apart from said scalloped portion by the distance equivalent to the thickness of the standard hexagonal head the partial outline of which is represented by said scalloped portion.

2,080,621
PROCESS OF AND APPARATUS FOR PURIFYING HYDROGEN
Raymond P. Mattern, Elkhart, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 3, 1932, Serial No. 590,608
7 Claims. (Cl. 204—31)



1. In the art of purifying commercial hydrogen, the step which consists in utilizing an arc struck between substantially non-vaporizing metallic electrodes to cause any oxygen and nitrogen present with the hydrogen to combine with a small portion of the hydrogen and form water vapor and ammonia vapor.

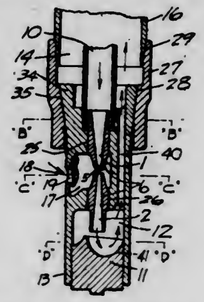
2,080,622
APPARATUS FOR ENTRAINING OIL AND GAS FROM OIL WELLS
William Frederick McMahon, Riverside, Calif.
Application March 23, 1935, Serial No. 12,655
5 Claims. (Cl. 103—261)



1. In an apparatus for pumping an oil well comprising an oil well casing, a tubing located within and concentric with the said casing and a surface pressure device operated by energy derived from some external source for continuously moving and imparting a pressure on a fluid adapted for use as a circulating motive medium; said motive fluid being circulated through the said casing and tubing; a packer adapted to seal off said casing relative to said tubing and form thereby two concentric conduits leading from the oil deposit to the surface of the earth; said packer, being connected to the tubing, an upper jetting device connected to said packer and having a suction entrance or inlet from the oil deposit and a nozzle and an opened end Venturi tube connected with said inlet and adapted to entrain gas from below the packer and a lower jetting device connected to said packer and also comprising a suction entrance or inlet from the oil deposit and a nozzle and an opened end Venturi tube connected with said inlet and adapted to entrain the said petroleum; means for introducing the continuous circulating motive fluid around said tubing and under a pressure created by the surface pressure device and the static head of the column itself above said packer and leading respective portions of the total volume of the said circulating motive fluid under said pressure through the respective upper and lower jetting devices wherein the velocity of the movement of the circulating motive fluid therethrough creates a vacuum in the suction entrances or inlets in the respective jetting devices thereby entraining gas and petroleum respectively from their respective fluid levels in the deposit, and finally causing the circulating motive fluid to ascend in the tubing with the entrained gas and oil and to intermingle therewith, and means for taking off the entrained fluid from the circulating motive fluid as the circulating motive fluid increases in volume.

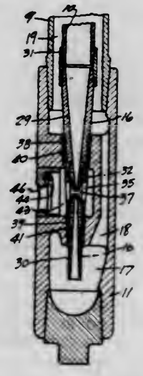
2,080,623
OIL WELL PUMP
William Frederick McMahon, Riverside, Calif.
Application August 12, 1935, Serial No. 35,797
6 Claims. (Cl. 103—260)

1. In an oil well pumping apparatus for entraining fluid from oil deposits in the earth and comprising connected concentric conduits adapted to form a continuous column of liquid extending from the surface of the earth to the oil deposits in the earth and back to the surface of the earth, a mechanical pump for imparting movement to the said column of liquid, a body having a removable seated connection with the outer of the said concentric conduits and comprising a single split Venturi tube being parted at right angles to its axis at its smallest inside diameter forming an upstream truncated cone portion and a downstream truncated cone portion, both said truncated cones being spaced apart and opposed to each other and having approximately the same



inside diameter at their adjacent constricted end portions and connected with one of the said concentric conduits, an inlet passageway leading from the oil deposits to the space between the two truncated cones, said split Venturi tube connected to and in central alignment with the said concentric conduits and adapted to increase the velocity of the full volume of the moving column of liquid to entrain fluid from the oil deposits into the said inlet passageway and continuous column of liquid, said removable seated connection adapted to permit the withdrawal of the said body together with the split Venturi tube from the oil well without having to remove the outer of the said concentric conduits.

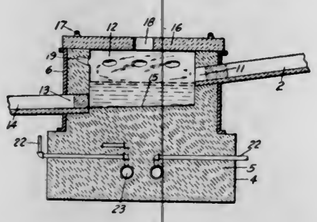
2,080,624
OIL WELL PUMP
William Frederick McMahon, Riverside, Calif.
Application January 20, 1936, Serial No. 59,867
7 Claims. (Cl. 103—260)



1. In an oil well pumping apparatus for entraining petroleum from deposits in the earth, a pump body having a valved inlet communication

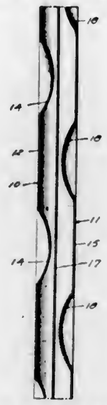
with the oil deposit, two concentric tubular conduits leading from the surface of the earth to the deposit and connected together in said pump body to form a U tube construction, said conduits being adapted to hold a liquid forming a continuous U shaped column of liquid leading from the surface of the earth, a mechanical pump operated by energy derived from some external source and connected with one of the conduits to impart a continuous circulating movement to the said colum of liquid, said pump body comprising a Venturi tube secured to and in central alignment with the inner of the said conduits and removably seated in seats in said pump body and cooperating with the circulating movement of the column of liquid to entrain petroleum from the oil deposit, a coupling formed part of said Venturi tube and comprising a communication with the said valved inlet from the oil deposit to the entrance to the Venturi tube, the other conduit connected to the said pump body, said seats in the pump body adapted to permit the withdrawal of the Venturi tube from the oil well without removing the other conduit or said pump body.

2,080,625
APPARATUS FOR PURIFYING AND REFINING MOLTEN METALS
Florian E. Miller, Columbus, Ohio
Application September 19, 1934, Serial No. 744,696
5 Claims. (Cl. 266—34)



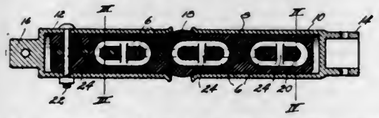
1. Apparatus for purifying and refining molten metal comprising a chamber in which a layer of metal is to be disposed and which is of substantially cylindrical form, said chamber being lined with refractory material and having a substantially flat bottom which is inclined towards a tap hole so that the molten metal will run from the chamber when the tap hole is open, a plurality of tuyère members disposed wholly within the refractory liner and adapted to direct fluid under pressure on the surface of the molten metal to cause swirling of the entire layer of molten metal in said chamber, said tuyère members being directed downwardly at an angle and being disposed in directions chordal to the annular wall of said chamber, the lower ends of said tuyère members being so disposed that they will be above the upper surface of the layer of metal placed in said chamber, each of said tuyère members being provided with a burner having its tip disposed substantially at the outer end thereof so that substantially complete combustion will occur within the tuyère member, said burners being arranged in a plurality of independent sets, a cover for substantially closing the upper end of said chamber, said cover having a comparatively small opening therein substantially at the center of said chamber which is continuously open during the discharge of hot products of combustion under pressure on the molten metal to permit the hot products to escape and to blow out the impurities removed from said metal.

2,080,626
TUBE
Oliver W. Mojonnier, River Forest, Ill.
Application June 18, 1936, Serial No. 85,975
1 Claim. (Cl. 138—38)



A tube comprising an elongated tubular body constructed of opposed grooved members providing an elliptical tube in transverse section, longitudinal flanges carried by the longitudinal edges of the members, means for securing the confronting flanges together, and spaced apart convex projections carried by each member, the projections of one member being alternately spaced with respect to the projections of the other member.

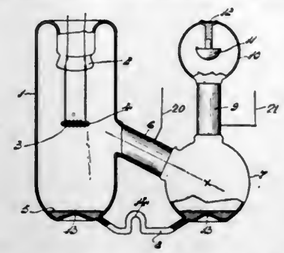
2,080,627
RUBBER CUSHIONED UNIVERSAL JOINT
Benjamin T. Morgan, Kansas City, Mo.
Application July 11, 1936, Serial No. 90,147
8 Claims. (Cl. 64—11)



1. A joint unit of the character described comprising a body of resilient material; a series of links embedded in said material and maintained separated from each other thereby; and means at the ends of said body for securing the unit in operative position, every link in the series thereof being held spaced from the other links of the series by a portion of said body of resilient material.

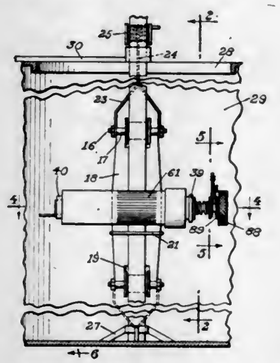
2,080,628
GAS-FILLED DISCHARGE TUBE
Johannes Gijsbertus Wilhelm Mulder, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application December 23, 1931, Serial No. 582,825
In Germany January 26, 1931
7 Claims. (Cl. 250—27.5)

7. A discharge tube having a cathode, an anode, a filling comprising a vapor, an enclosure for the cathode, an enclosure for the anode, an enclosure intermediate between the anode and cathode enclosures for the condensation of said vapor, metal tubes connecting said condensation enclosure with the other enclosures and having a smaller cross-section than the condensation enclosure, the main discharge path between said cathode and anode leading from said cathode enclosure through said condensation enclosure to said anode enclosure, and a tube for the return of the condensate to said cathode enclosure, said return



tube being provided with a loop and connecting the bottom part of said condensation enclosure to the bottom part of said cathode enclosure.

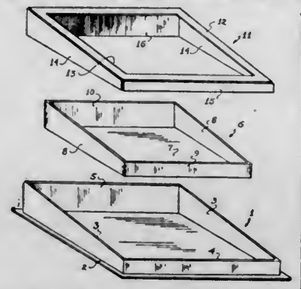
2,080,629
LIQUID SAMPLER
Clarence C. Myracle, Orange, Calif.
Application August 13, 1936, Serial No. 95,830
15 Claims. (Cl. 137—18)



1. A liquid sampler comprising in combination a receptacle for the liquid having an inlet for the sample, a movable suction device in the receptacle, a connecting means to said device extending outwardly through the receptacle, means to bodily move the receptacle with the said connecting means in the liquid, means to develop a relative rotation between the receptacle and the said connecting means and an operative engagement of the receptacle and the connecting means to move the suction device longitudinally of the receptacle to draw liquid into such receptacle.

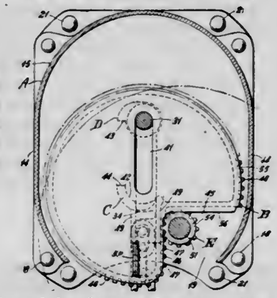
2,080,630
DISPLAY PACKAGE FOR JEWELRY
George B. Nathanson, Brookline, Mass.
Application September 18, 1935, Serial No. 41,143
4 Claims. (Cl. 206—44)

1. A display package comprising a box having upstanding side walls, a receptacle member within said walls, said receptacle member also having upstanding side walls, a spacing member substantially filling the spaces between the side walls of said box and receptacle member, a supporting member within said receptacle member, the said supporting member having a supporting surface slightly below the top of the side walls of said receptacle member, a sheet member supported on said supporting surface, a piece of jewelry supported adjacent a restricted portion of said sheet member, the remaining



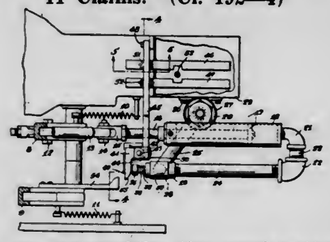
portion of said sheet member having placed upon its surface a gift or greeting inscription.

2,080,631
HAND BRAKE
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application April 24, 1935, Serial No. 18,007
20 Claims. (Cl. 74—505)



1. In a hand brake mechanism, the combination with a winding member; of means for rotatably supporting said winding member for rotation about a fixed axis; means for guiding said winding member for bodily movement toward and away from said first named means in a path radial to said fixed axis; and actuating means for bodily moving said winding member along said radial path and rotating said winding member while supported by said first named means.

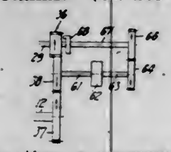
2,080,632
VEHICLE BRAKE CONTROL
Walter B. Pohle, East Lynn, Mass.
Application May 16, 1933, Serial No. 671,291
11 Claims. (Cl. 192—4)



1. In an automobile, the combination with clutch, brake, and transmission operating means, of means for operatively connecting the clutch and brake operating means, said connecting

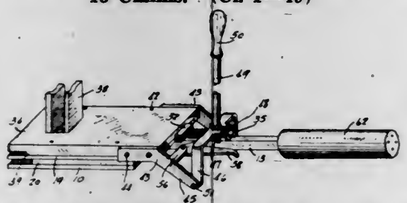
means comprising a check for the brake operating means, a movable check-releasing member operatively connected to the transmission operating means so as to be placed in position for operative movement by throwing the transmission into driving speed position, and means moved by the clutch operating means for moving the positioned member to cause it to release the check.

2,080,633
INTERNAL COMBUSTION ENGINE
William R. Ray, San Francisco, Calif.
Application December 11, 1935, Serial No. 53,919
2 Claims. (Cl. 123—179)



1. In combination, a compression ignition engine including a cylinder, means for supplying fuel to said cylinder, a piston in said cylinder, a crankshaft, a connecting rod extending between said crankshaft and said piston, an Otto cycle engine including a cylinder and a crankshaft, means for admitting a burning fuel charge to said compression ignition engine cylinder from said Otto cycle engine cylinder, and means for connecting said Otto cycle engine crankshaft to said compression ignition engine, said connecting means including a clutch operable to connect said shafts in a predetermined timed drive relation or to disconnect said shafts whereby said Otto cycle engine can be started and operated independently of said compression engine.

2,080,634
STAPLING DEVICE
Werner Schafroth, Upper Darby, Pa.
Application June 6, 1935, Serial No. 25,199
15 Claims. (Cl. 1—49)



1. A stapling machine comprising pivoted penetrating instrumentalities adapted to penetrate material to be stapled with a pivoting movement, the pivot points of said penetrating instrumentalities being movable, operating means for the penetrating instrumentalities, and means independent of the penetrating instrumentalities for inserting a staple in the material subsequent to operation of the penetrating instrumentalities.

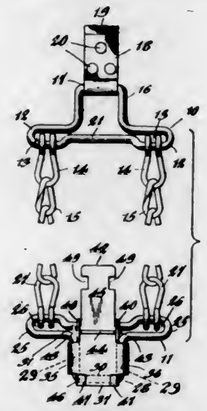
2,080,635
DEVICE FOR MERCERIZING CELLULOSE FIBERS OF ALL KINDS
Walther Schramek, Dresden, and Carl Schubert, Gronau, Germany, assignors to Baumwollspinnerei Gronau, Gronau, Germany
Application August 13, 1934, Serial No. 739,682
In Germany June 6, 1934
2 Claims. (Cl. 8—16)

1. A device for mercerizing cellulose fibers of all kinds in loose form and all transitional stages including finished threads and fabrics and other structures made from yarn and twisted yarns comprising, in combination, endless fine-meshed sieve bands for carrying the cellulose fibers, conveyor sieve chains for holding said bands between



them, a toothed wheel drive for said chains, clamps for compressing superposed links of said chains in pairs, said clamps adapted to engage said links when the cellulose fibers enter said bands and releasing said links and bands when the cellulose fibers are discharged.

2,080,636
FASTENING MEANS
Frank E. Stahl, Tonawanda, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application December 11, 1935, Serial No. 53,952.
In the Union of South Africa September 7, 1935
4 Claims. (Cl. 152—14)

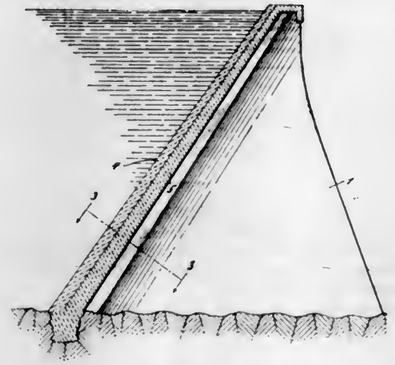


1. Strap fastening means for use in connection with a flexible strap of an anti-skid device, comprising an attaching member formed of wire, and a buckle member superimposed laterally across the attaching member, said buckle member being formed of a sheet metal stamping and provided with means for permanently and rigidly securing it to the attaching member.

2,080,637
DAM
Spencer W. Stewart, White Plains, N. Y., and Calvin V. Davis, Roselle, N. J., assignors to Ambursen Construction Company, Inc., New York, N. Y., a corporation of New York
Application February 10, 1934, Serial No. 710,590
15 Claims. (Cl. 61—30)

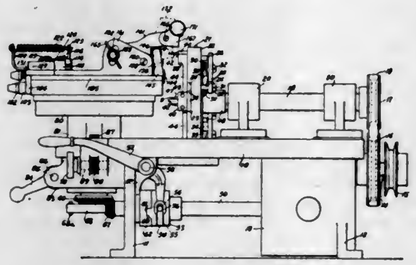
1. In a dam, a plurality of buttresses extending up-stream and down-stream, and a water-bearing deck at the up-stream edges of said buttresses, said deck between two adjacent buttresses comprising a plurality of arches disposed one beneath the other and each spanning the space between said two buttresses and acting substantially independently of each other, separate bearings on said

buttresses for said arches, and each arch and its bearings having sufficient structural strength to



carry the entire load on the portion of the deck spanned thereby.

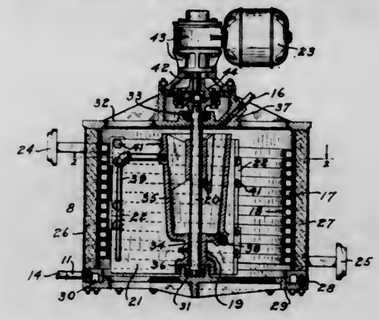
2,080,638
WOOD HEEL MACHINE
Ernst J. Story, Cincinnati, Ohio, assignor of one-half to John M. Delaney, Cincinnati, Ohio
Application June 5, 1934, Serial No. 729,108
22 Claims. (Cl. 12—42)



1. In combination in heel-machining apparatus, a reciprocable carriage, means for cutting away a portion of the heel, a stop for limiting the positioning of the heel, a positioning member for urging the heel into engagement with the stop, laterally disposed clamping members comprising means for holding the heel mounted on said carriage, and means for simultaneously operating the holding means and reciprocating said carriage relatively to said cutting means, said carriage having devices operated by the reciprocation of said carriage adapted to grip the heel during the feeding stroke and to release the heel during the return stroke.

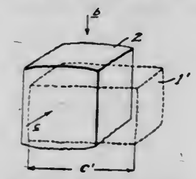
2,080,639
ICE MAKING MACHINE
William H. Taylor, Muskego, Wis., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation
Application January 17, 1935, Serial No. 2,230
12 Claims. (Cl. 62—105)

1. In combination, a casing comprising a single helical tube of polygonal cross-section successive sections of which coact to provide a continuous circular freezing surface, means for introducing refrigerant into said casing to cool said surface, means for delivering liquid to said surface, and



a scraper for removing congealed liquid from said surface.

2,080,640
METHOD OF PREPARING METAL STOCK
Richard L. Templin, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 22, 1934, Serial No. 731,876
19 Claims. (Cl. 29—160.4)



3. Method of preparing metal stock characterized by substantial freedom from directional properties which comprises providing a metal extrusion billet, reducing the cross sectional area of said billet by extrusion through a die, and returning the extruded billet to substantially its original form by an upsetting operation.

2,080,641
METHOD OF PRODUCING LOCOMOTIVE CONNECTING RODS
Richard L. Templin, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Original application June 22, 1934, Serial No. 731,876. Divided and this application August 25, 1936, Serial No. 97,803
4 Claims. (Cl. 29—156.5)



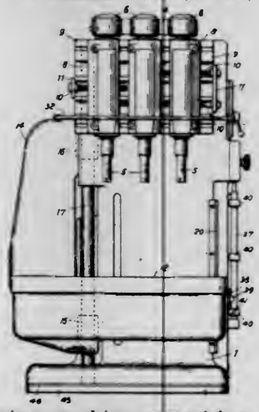
1. Method of producing a forged locomotive connecting rod which comprises providing an aluminum billet, upsetting said billet by applying a forging pressure in the direction of its longest dimension, returning said upset billet to substantially its original form by the further application of forging pressure in directions normal to the initial forging pressure, effecting a differential reduction in the cross section of the worked billet thus formed, and thereafter subjecting it to the action of forging dies to bring it to the desired form.

2,080,642
RUBBER STRUNG RACKET
Atwood M. Timpé, Los Angeles, Calif.
Application June 5, 1935, Serial No. 25,170
Renewed February 15, 1937
1 Claim. (Cl. 273—73)



In a racket of the class described, a frame having openings therein, strings extending across the frame and having their ends extending through the holes and resilient wedges for holding said ends in holes, said wedges being of sheet material and of tapered shape, said wedges being adapted to be wrapped around a string where it is to be secured to the racket, with the reduced end of the wedge first engaged into the racket hole.

2,080,643
MULTIPLE SPINDLE BORING MACHINE
Fritz Walther, Plauen in Vogtland, Germany, assignor to Vomag-Betriebs-A. G., Plauen in Vogtland, Germany
Application November 8, 1934, Serial No. 752,131
In Germany February 2, 1934
5 Claims. (Cl. 77—63)



1. A boring machine comprising, a frame, a boring spindle mounted thereon stationary in the axial direction of the spindle, a work table movable parallel to the axis of the spindle, a single guide rod extending parallel to the axis of the spindle at the one side of the table, an arm extending from the table parallel to said rod at the same side of the table, a pair of bearing surfaces longitudinally spaced from each other on said arm, one of which bears against the front of said rod and the other of which bears against the back of said rod, guiding surfaces at the other side of the table and of the frame respectively engaging each other, and means adapted to resiliently press said last-mentioned guiding surfaces against each other.

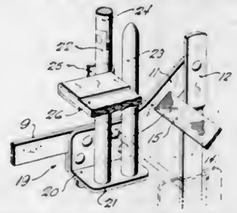
2,080,644
SUN BATH CABINET
Ralph E. Weidman, Fort Lauderdale, Fla.
Application September 11, 1936, Serial No. 100,393
3 Claims. (Cl. 128—372)

2. A sun bath cabinet comprising a bottom and side and end walls hinged to the bottom and foldable relative to one another whereby to permit the cabinet to be collapsed for storage or transportation purposes, each of said side and end walls including a frame structure and a sheet of



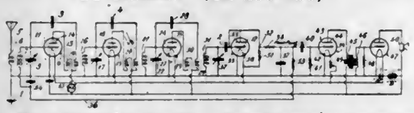
fabric secured to the frame structure, and each of said side walls further comprising upper and lower hingedly connected frame sections.

2,080,645
HAND LUGGAGE
George Henry Wheary, Racine, Wis., assignor to Wheary Trunk Company, Racine, Wis., a corporation of Wisconsin
Application July 13, 1935, Serial No. 31,211
1 Claim. (Cl. 312—178)



In a garment carrying frame for hand luggage cases, which frame is of the type having spaced parallel side bars connected at one end by a transverse garment supporting bar and at the other end by a transverse tie rod, and in which the last named ends of the side bars have means for hingedly mounting the frame in a hand luggage case, improved garment hanger retaining means comprising a shelf-like bracket carried by each side bar adjacent its hinged end and lying on a plane substantially parallel with the general plane of the frame, and a pair of spaced parallel posts fixed to each bracket at substantially equal distances from the side bar and projecting up from the bracket to be substantially perpendicular to the general plane of the frame, the post of each pair nearest to the transverse garment supporting bar being longer than the other to facilitate the disposition of garment hanger hooks in the space between the posts, and said longer posts being hinged adjacent the ends of the shorter posts to enable folding the outer ends of the longer posts down over garment hangers in position.

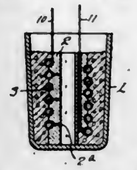
2,080,646
VISUAL RESONANCE INDICATOR
Harold A. Wheeler, Baltimore, Md., assignor to Hazeltine Corporation, Jersey City, N. J., a corporation of Delaware
Application July 7, 1927, Serial No. 203,879
14 Claims. (Cl. 250—20)



1. A carrier-frequency signal receiver normally responsive to signals having a wide range of input intensities, comprising means for tuning the receiver to resonance with a desired signal, substantially inertialess electrical control means responsive to received signal intensity for automatically maintaining the signal output intensity

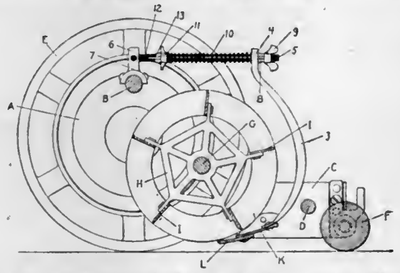
of the receiver within a relatively narrow range, and visual resonance indicating means responsive to variations of said output intensity.

2,080,647
METHOD OF INSULATING ELECTRICAL RESISTOR HEATING ELEMENTS
Edwin L. Wiegand, Pittsburgh, Pa.
Application October 6, 1934, Serial No. 747,199
13 Claims. (Cl. 201—64)



1. The method of forming an electrical heating unit which consists in surrounding an electrical resistor with a mass containing finely divided particles of metallic magnesium and a volatile lubricant for rendering the mass mobile, then heating the unit so formed to reduce the lubricant content and then oxidizing the metallic magnesium.

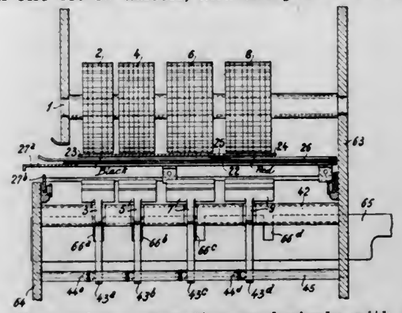
2,080,648
LAWN MOWER ATTACHMENT
Lloyd C. Ainsworth, Moline, Ill.
Application December 12, 1935, Serial No. 54,073
2 Claims. (Cl. 56—294)



1. An attachment for a lawn mower of that type which embodies a pair of supporting frames and tie-rod uniting the same, a pair of drive-wheels at the ends of said tie-rod, a cutter-blade reel, and a rockingly mounted cutting-blade coacting with said reel,—comprising a rearwardly bent arm attached at its lower end to the rear edge of said cutting blade, a bracket on said tie-rod, a rod connection between said mounting and the free end of said arm, having a slidable relation with said arm, an abutment on said rod adjacent to said mounting, a coiled spring on said rod connection, between said abutment and said arm, and means on said rod connection for adjustment of the position of said arm.

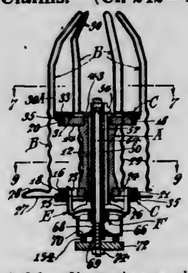
2,080,649
RECORDING MACHINE
Ernst Breitling, Essen, Germany, assignor, by mesne assignments, to The National Cash Register Co., Dayton, Ohio, a corporation of Maryland
Application April 20, 1934, Serial No. 721,572
In Germany April 24, 1933
8 Claims. (Cl. 101—96)

1. In a printing mechanism for recording machines, two sets of type wheels, means to always simultaneously move the corresponding wheels of each set the same amount so that both sets of wheels always have the same amount standing thereon, an inking means having two portions bearing different colors, the portion of the inking means bearing one color cooperating exclusively with one set of wheels, and the portion bearing



the other color cooperating exclusively with the other set, a guide for record material, and means for effecting a relative displacement between the type wheels and guide to position the desired set of type wheels opposite a predetermined column of a plurality of columns on the record material.

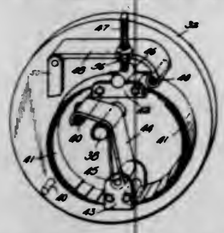
2,080,650
YARN SWIFT
Albert Brügger, Philadelphia, Pa.
Application January 3, 1935, Serial No. 205
In France February 23, 1934
9 Claims. (Cl. 242—110)



1. An adjustable diameter swift comprising a reel having a flange at each end thereof, and one flange having an opening near its periphery, a plurality of cross-bars pivotally mounted upon the flanges of the reel, a plurality of plates, each plate having a plurality of recesses therein and being located adjacent each flange whereby a recess interfits with a portion of the cross-bar, a shaft having a central bore whereby the bore may function as a bearing, said plates being mounted upon the said shaft and keyed together so that they rotate in unison, a key loosely mounted upon said shaft, an extension on said key and interfitting with the opening on one of the reel flanges whereby the reel and the key may be rotated with respect to the plates in order to oscillate the cross-bars about their respective pivots so that the diameter of the yarn carrying cross-bars is increased or decreased.

4. A demountable end plate of stamped metal sheeting adapted to be placed upon one end of a swift comprising a disc, a bead formed on said disc to strengthen said disc, a plurality of angularly disposed openings therein being adapted to receive and guide swift cross-bars, an inner flange adapted to firmly set upon one peripheral rim of said swift, and a plurality of members cut from said disc and which extend parallel to said inner flange.

2,080,651
SPRING MOTOR
Thomas A. Byers, Spokane, Wash.
Application February 15, 1936, Serial No. 64,126
1 Claim. (Cl. 185—37)



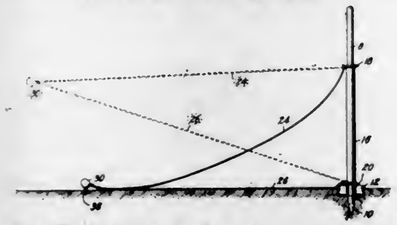
In a spring motor, a frame having spaced bars, inner and outer disks in said frame between the bars having hubs journaled through the bars, inner and outer shafts journaled through the hubs of said disks in axial alinement with each other, rods connecting said disks, a crank arm extending from the inner shaft radially thereof, a looped strap having one end wrapped about the outer shaft and having its other end secured to one of said rods, a clevis engaged through the loop of said strap, longitudinally bowed leaf springs having their lower ends connected by said clevis, a clevis connecting upper ends of said springs, a lever pivoted to one of said rods and extending horizontally over said springs, a stem threaded through said lever and having a head at its lower end bearing against the upper clevis to initially tension the springs, a link connecting said crank arm with said lever for exerting pull upon the lever to compress the leaf springs and exert pull upon the looped strap to rotate the outer shaft, and a counter shaft having geared connections with the outer shaft and the inner disk.

2,080,652
PICTURE
Frances K. Cook and Beatrice E. Wose, Syracuse, N. Y.
Application July 18, 1934, Serial No. 735,736
5 Claims. (Cl. 41—34)



1. A picture comprising a base, a multiplicity of pieces of crepe paper conforming in color and outline to the several essential characteristics or features of the picture to be produced arranged upon the base with the adjacent edges thereof in overlapping relation, and elongated metallic fastening means securing the overlapping portions of the paper to each other and to the base, said fastening means being arranged in slightly longitudinal spaced relation to each other to define or delineate certain distinctive features of the picture.

2,080,653
GOLF PRACTICE DEVICE
Lewis W. Craft, Kansas City, Kans.
Application November 23, 1936, Serial No. 112,224
5 Claims. (Cl. 273—35)



1. A golf practice device comprising a vertically disposed, stationary support; a flexible cord having one end attached to the support adjacent the lower end thereof; a second flexible cord having one end affixed to the support a distance above the point of attachment of the first mentioned cord; and a ball attached to the other ends of said cords, the said other ends of said cords being secured together at their point of attachment with the ball, said second flexible cord being shorter than the first mentioned cord whereby to lift the ball when the same is driven to insure its location against the support above the first mentioned cord after the second flexible cord has wound around said support.

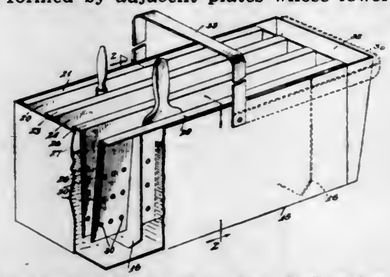
2,080,654
REMOVAL OF SULPHUR COMPOUNDS FROM HYDROCARBON OIL AND REGENERATION OF SPENT TREATING AGENT
Wallace A. Craig, Los Angeles, Calif., assignor to William C. McDuffie, receiver for Richfield Oil Company of California, Los Angeles, Calif., a corporation of Delaware
No Drawing. Application June 29, 1935, Serial No. 29,101
2 Claims. (Cl. 23—184)

1. In the method of regenerating spent alkali solution containing alkali mercaptides and alkali sulphides, by treatment with an oxygen containing gas, to convert the mercaptides to disulphides and the sulphides into thiosulphates by oxidation, the improvement of increasing the percent converted and the conversion rate which comprises, contacting the spent alkali solution under superatmospheric pressure of 125 pounds absolute, with air, at a reaction temperature ranging from 70° F. to the boiling temperature of the spent alkali solution, at the pressure employed.

2,080,655
PAINT BRUSH HOLDER
Walter C. Crawford, Bogota, N. J., assignor of one-half to Joseph Laurenzi, Bogota, N. J.
Application November 30, 1935, Serial No. 52,284
6 Claims. (Cl. 206—15.1)

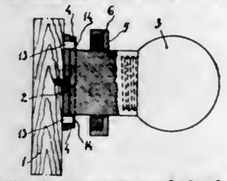
4. A paint brush holder comprising a container for liquid, a plurality of plate supporting means retained in upright position within said container, each said supporting means having a plurality of notches, the edges of said notches extending downwardly in a converging relation and terminating at a distance above the bottom of the container, a plurality of plates positioned

in the notches of said supporting means and forming wedge-shaped pockets, each pocket being formed by adjacent plates whose lowermost



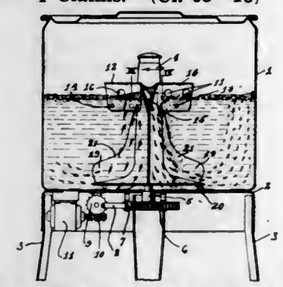
edges are spaced apart to permit liquid in the container easily to rise within the pockets and to permit sludge from brushes reposing in the pockets to fall to the bottom of the container.

2,080,656
KNOB ATTACHMENT
Abraham de Vries, Amsterdam, Netherlands, assignor to N. V. Ijzerhandel I. M. de Vries, Amsterdam, Netherlands
Application November 7, 1935, Serial No. 48,622
In Germany November 10, 1934
3 Claims. (Cl. 16—121)



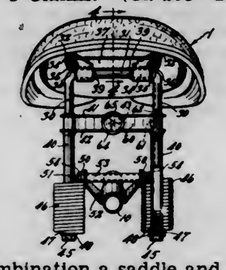
1. In an attaching means of the kind described, the combination of a circular base plate formed with an external thread, a flange formed on the object to be attached to the plate and having a diameter inferior to the diameter of the plate, a screw cap for coaction with said flange and base plate embracing the object to be attached and fitting the external thread on said plate, and means on one of the coacting parts for preventing circumferential displacement of the object relative to said plate.

2,080,657
WASHING MACHINE
Henry T. Donohue, Chicago, Ill., assignor of two-thirds to Richard Cooper, Jr., Chicago, Ill.
Application June 10, 1935, Serial No. 25,734
4 Claims. (Cl. 68—15)



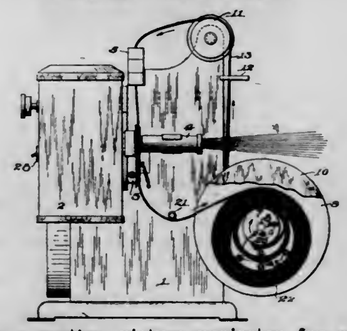
1. In a washing machine, a tub, an oscillatory agitator in said tub, said agitator having substantially horizontally extending radial arms and vanes below said arms in alinement therewith; said arms having downwardly inclined passages therethrough for trapping air and forcing the same into said tub when the agitator is oscillated.

2,080,658
BICYCLE SADDLE AND MOUNTING THEREFOR
Thomas I. Duffy, Detroit, Mich., assignor to The Westfield Manufacturing Company, Westfield, Mass., a corporation of Massachusetts
Application August 2, 1935, Serial No. 34,372
3 Claims. (Cl. 208—100)



3. In combination a saddle and means for attaching it to a bicycle frame, which comprises, a pair of arms pivoted to the rear portion of the saddle, tubular members into which said arms telescope, a cross piece connecting the upper end portions of the tubular members, openings in the tubular members adjacent the ends of the cross piece, a bowed spring toggle member having its ends engaged in said openings, means carried by the cross member adapted to straighten the spring toggle to cause its ends to engage said arms within the tubular member and clamp them in adjusted position, coiled springs surrounding the tubular members, the lower ends of the springs being connected to the ends of the tubular members, means pivotally connecting the upper ends of the springs to the bicycle frame, a bar having one end adjustably secured to the saddle and means pivotally connecting the other end of the bar to the bicycle frame at a point forwardly of the saddle.

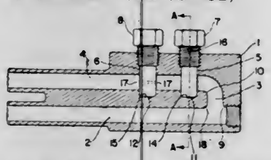
2,080,659
FILM REELING AND DISPENSING MEANS FOR CONTINUOUS MOTION PICTURE PROJECTORS
Paul E. Duggan, Philadelphia, Pa.
Application March 20, 1935, Serial No. 12,101
5 Claims. (Cl. 88—18.7)



1. In a motion picture projector for endless film, a reel comprising a vertically disposed fixed plate, a relatively large hub having a frictional driving surface on the periphery rotatable on a

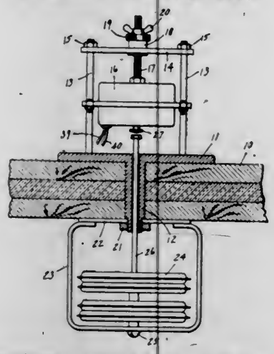
horizontal axis substantially centrally of the plate, an endless film having convolutions in a coil, rotatable means extending laterally from said plate beneath, substantially parallel to and in spaced relation to the said hub for separating the lower portions of the convolutions of the coil of film so as to travel in a plurality of paths, all of said convolutions being supported by the upper surface of said hub and being spaced from the lower surface of said hub, and means for driving the hub.

2,080,660
CELL BLOCK
William George Gow, Belleville, N. J., assignor to Gow-Mac Instrument Company, Newark, N. J., a partnership composed of said William George Gow and James L. MacFadden
Application September 11, 1936, Serial No. 100,241
4 Claims. (Cl. 73—51)



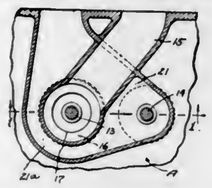
1. A cell block for gas analysis apparatus of the thermal conductivity type comprising a straight passageway for the gases to be analyzed, a curved branch leading therefrom to a gas chamber, gas analysis cells disposed in and extending across said gas chamber, each of said cells containing a resistor and having a flat end, said ends being fitted in and completely filling recesses in the bottom wall of said chamber.

2,080,661
THERMOSTATIC CONTROL
Dewey H. Hill, Kokomo, Ind., assignor to Globe American Corporation, Kokomo, Ind., a corporation
Application March 13, 1936, Serial No. 68,680
1 Claim. (Cl. 200—140)



A temperature control device of the character described, including a supporting wall, thermostatically operated bellows positioned on one side of said wall, a bracket for rigidly supporting said bellows thereon, an electric current control switch positioned on the other side of said wall, a pair of standards mounted on said wall for slidably supporting said switch thereon, a manually actuated screw for adjusting the position of said switch upon said standards, a plunger adapted to be moved to break the circuit of said switch, and a rod slidably extending through said wall in alignment with said plunger adapted to be actuated by said bellows for moving said plunger to and from circuit breaking position, depending upon the adjusted position of said switch with respect to said wall and element.

2,080,662
ENGINE
Enos R. Jacoby, Muskegon, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application October 28, 1935, Serial No. 47,150
13 Claims. (Cl. 123—122)

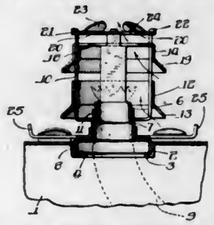


1. In an internal combustion engine having intake and exhaust gas passages, said exhaust gas passage extending adjacent to said intake passage and having an offset portion connected in parallel with said exhaust gas passage, said offset portion encircling a portion of the intake passage and conveying a portion only of said exhaust gases.

2,080,663
PROCESS OF REPRODUCING
Joseph Johnston, Detroit, Mich., assignor to Midwest Process Co., Detroit, Mich., a corporation of Michigan
No Drawing. Application May 10, 1935, Serial No. 20,831
6 Claims. (Cl. 41—33)

1. The process of transferring an image to a permanent supporting body consisting in producing a positive photograph of the image, printing from the positive, so produced, onto a carbon tissue having a gelatine layer thereon, affixing the gelatine layer, while maintaining the carbon tissue in a dry state, onto a temporary supporting body, soaking the carbon tissue and gelatine layer while so attached to the temporary supporting body, removing the carbon tissue from the gelatine layer, and then transferring, by adhesion, the gelatine layer onto a permanent support, by contacting the same together.

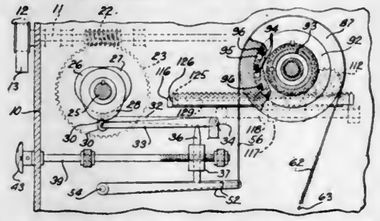
2,080,664
TORCH
Arthur A. Karcher and Clarence B. Brown, Fostoria, Ohio, assignors to Barrett F. Brown, Fostoria, Ohio
Application October 30, 1935, Serial No. 47,372
10 Claims. (Cl. 67—55)



1. In a torch, a hollow body for the fuel, having a countersink or recess in the top thereof, a

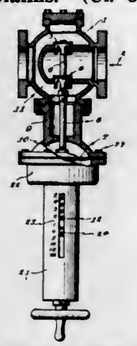
wick tube expanded at its lower end to rest in said recess, a ring encircling the reduced upper end portion of the wick tube, with a shoulder formed on the tube to support the ring, integral upright portions on the outer edge of said ring, a top plate fastened to the upper ends of said upright portions, the latter being spaced apart to provide air inlets between them, and a plurality of rings encircling said upright portions, spaced one above the other, and provided with outwardly flared lower edge portions, forming an apertured enclosure for the flame to protect the latter against wind and rain.

2,080,665
POWER TRANSMITTING MECHANISM
Einer W. Larsen, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 3, 1933, Serial No. 669,153
9 Claims. (Cl. 74—33)



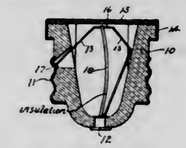
1. In a transmission mechanism, a driving shaft, a driven shaft, a cam on the driving shaft, an oscillatory cam lever operatively engaging said cam, a second lever spaced from and substantially parallel to the cam lever and having its free end extending in a direction opposite to that of the cam lever, a plunger extending between and slidably engaging said levers for transmitting the motion from said cam lever to said second lever, and means operatively connecting said second lever to said driven shaft for converting the oscillatory movement of the said second lever into a rotary motion of said driven shaft.

2,080,666
PRESSURE REGULATING VALVE
Richard W. Leutwiler, Chicago, and William Eichholz, Cicero, Ill., assignors to Illinois Engineering Company, Chicago, Ill., a corporation of Illinois
Application February 15, 1936, Serial No. 63,988
3 Claims. (Cl. 50—23)



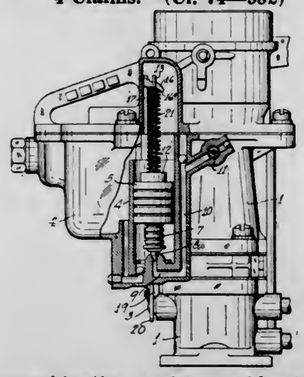
1. A regulator of the class described comprising a valve body, a valve movable therein, a diaphragm attached to the valve, a housing for the diaphragm in communication with the low pressure side of said valve body for the purpose of transmitting such pressure to one side of the diaphragm, a spring for exerting an opposing pressure on the opposite side of said diaphragm, said spring being secured at one end to said diaphragm, means secured to the opposite end of said spring arranged for either tensioning or compressing said spring, and an element operable by said means for positively operating the valve.

2,080,667
FUSE PLUG
Louis Ludwig, Brooklyn, N. Y.
Application April 8, 1936, Serial No. 73,195
2 Claims. (Cl. 200—117)



1. In a fuse plug of the type described, having an interior recess and a fusible link contained therein; a normally straight strip of resilient and non-conducting material; said strip inserted in the recess with one end resting in the bottom of the recess and the other end abutting against the inner side of the fusible link; and said strip held under tension, by being slightly arcuated, so that its upper end will be interposed in the arc formed by the burning link, when the link "blows", so as to extinguish the arc.

2,080,668
CARBURETOR DEVICE
Byron Mollberg, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application May 20, 1936, Serial No. 80,739
4 Claims. (Cl. 74—582)

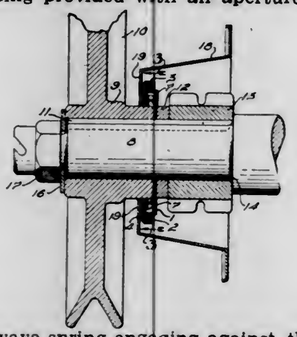


1. In combination, a piston rod having a recess, a piston actuating member having a part inserted in said recess, and a spring directly engaging said part for resisting movement thereof, said part having an offset for hooking over said spring whereby said part functions as a seat for said spring and cooperates with said spring to maintain the assembly.

2,080,669
OIL SEAL
Thomas Edward Nelson, Pontiac, Mich.
Application March 4, 1936, Serial No. 67,007
2 Claims. (Cl. 286—11)

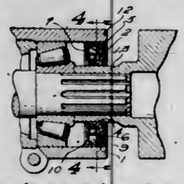
1. In an oil seal, the combination with a rotary member and a stationary member having a face extending in a plane transverse to the axis

of the rotary member, a cup-shaped sheet metal retainer secured to the rotary member, an annular channel formed in the outer edge of the cup-shaped retainer and extending at an angle to the plane of the retainer, a resilient washer secured in the channel and extending at an angle to the plane of the retainer and into contact with the face of the stationary member, the resilient washer being provided with an aperture at the



center, a wave spring engaging against the cup-shaped member and urging the resilient washer into engagement with the face of the stationary member, a ring positioned between the wave spring and the resilient washer and the inner edge of the resilient washer about the central aperture being inturned through the center of the ring, said inturned edge fitting tightly about the rotary member and preventing oil leakage longitudinally of the rotary member.

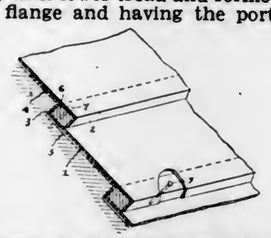
2,080,670
OIL SEAL
Thomas Edward Nelson, Pontiac, Mich.
Application March 4, 1936, Serial No. 67,008
2 Claims. (Cl. 288—1)



1. In an oil seal, a retainer having a flange, a resilient washer positioned in the retainer against the flange, an annular member positioned against the resilient washer, a cup having a cylindrical flange, said cylindrical flange having radially depressed portions extending radially at an angle to the axis of the cylindrical flange, the depressions being deepest at the outer edge of the cylindrical flange and fading out at the inner edge and said outer edge engaging against the annular member, the retainer fitting over the cup, annular member and washer and securing the same together, the flexible washer having an angularly extending portion and a coiled spring positioned within the cup and engaging about said angularly extending portion of the flexible washer.

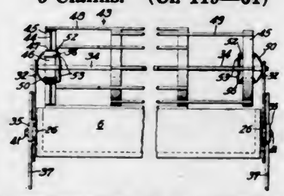
2,080,671
COVERING FOR BUILDINGS
Frederick C. Overbury, Hillsdale, N. J.
Application November 27, 1934, Serial No. 754,948
1 Claim. (Cl. 108—7)

In combination, a foundation presenting a succession of rises and successively elevated treads alternating with the rises, shingles arranged on the foundation in courses respectively coinciding with the treads thereof, the shingles in any course each consisting of flexible sheet material having one margin overhanging the shingle-course on the relatively next lower tread and formed with a depending flange and having the portion thereof



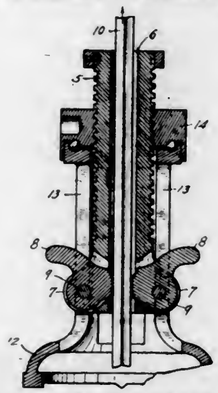
remote from its said margin first bent upwardly and then over the relatively next upper tread, and means, near each rise, to secure the shingles on the next subjacent tread to the foundation, each shingle being unconfined from said means to and inclusive of its said margin.

2,080,672
POULTRY FEEDING TROUGH
Andrew Perrich, Hayward, Calif.
Application November 25, 1935, Serial No. 51,346
5 Claims. (Cl. 119—61)



1. The combination, in a poultry feeding device, of a trough, a bracket rising from each end of said trough, a cylindrical wire guard member rotatably mounted at each end thereof in said brackets, a pair of legs depending from said trough at each end thereof and disposed adjacent said brackets. said legs having outwardly directed portions thereof for engaging the ground, and means common to both said brackets and said legs for securing these members to said trough.

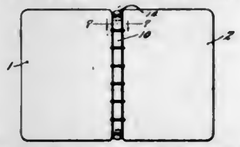
2,080,673
STEEL PULLER
Lowell A. Roemer, Longview, Wash.
Application September 16, 1936, Serial No. 101,066
3 Claims. (Cl. 254—30)



1. In a jackscrew pulling device, a base member provided with a pair of oppositely disposed

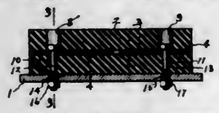
vertical slots, a hollow non-turning screw that is vertically movable with respect to the base, a pair of integral wing extensions formed on the screw that are adapted to move in the slots and an eccentric dog pivotally mounted in each wing extension, that is movable to positively engage a rod-like article that projects inside the hollow portion of the screw.

2,080,674
LOOSE LEAF BINDER
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application July 12, 1935, Serial No. 30,971
8 Claims. (Cl. 129—24)



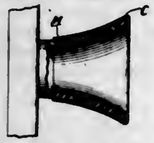
7. A loose leaf book having covers and a back panel portion arranged in one sheet form, a plate of curved cross-section having an unbroken portion covering the outside of the back panel portion and with its ends extending over opposite ends of the back panel and returning along the inside face thereof, said inside portions of the plate having attaching means, and loose leaf mechanism attached to said means.

2,080,675
TRACTION DEVICE
Leo H. Sponseller, Goshen, Ind.
Application April 2, 1936, Serial No. 72,225
1 Claim. (Cl. 301—44)



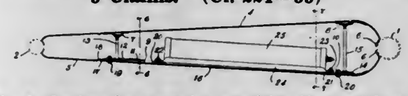
A traction device of the character described comprising a soft rubber body, and a single metal reinforcing plate embedded in said rubber body intermediate the top and bottom thereof, said reinforcing plate being provided with a plurality of holes and a plurality of marginal edge recesses through which the soft rubber extends to knit the upper and lower portions of said rubber body together, and said rubber body and reinforcing plate being provided with a plurality of registering bolt holes.

2,080,676
MOUTHPIECE
Jacob Stein, New York, and Ephraim Freedman, Brooklyn, N. Y.
Application March 19, 1936, Serial No. 69,609
6 Claims. (Cl. 179—185)



1. A mouthpiece for telephones or the like, said mouthpiece being made of rigid rubber material, said rubber material being vulcanized and having incorporated therein and dispersed throughout the same, a substantial proportion of an antiseptic substance which is leachable from the rubber by body emissions.

2,080,677
BICYCLE
Harold R. Uber, Lakewood, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application April 28, 1936, Serial No. 76,798
5 Claims. (Cl. 224—35)



4. A device for use in combination with a bicycle frame having spaced frame bars, comprising two members respectively adapted to lie on opposite sides of said frame with their portions in engagement with said spaced bars and thus define a closed compartment, means extending between the juxtaposed faces of said members drawing the same together and into engagement with said frame, one of said members provided with an opening, a plate removably secured to said last-named member for closing said opening, and an accessory case secured to the inner face of said plate.

2,080,678
MOTOR CONSTRUCTION
Junius B. Van Horn, Alhambra, and Edmond M. Wagner, South Gate, Calif., assignors, by mesne assignments, to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application February 15, 1936, Serial No. 64,060
4 Claims. (Cl. 171—252)



1. In a dynamo-electric machine, the combination of: a stator having a magnetic body and providing a rotor opening; a rotor in said rotor opening; a shaft fixed to said rotor; bearing means adapted to rotatably support said shaft; a non-magnetic sheath element substantially enclosing said magnetic body, said element being formed of material having a high heat conductivity; and a shell enclosing said sheath element and secured relative thereto.

2,080,679
LUMINOUS TUBE SIGN
Ellinn D. Vissing, Idaho Falls, Idaho, assignor, by mesne assignments, to Service Devices, Incorporated, New York, N. Y., a corporation of New York
Application April 24, 1933, Serial No. 667,728
Renewed September 5, 1935
17 Claims. (Cl. 40—132)

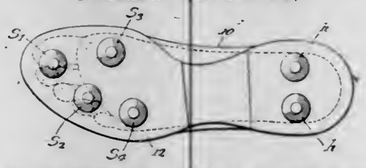
15. An illuminated sign comprising, in combination, a frame; luminous gas tubing providing a

series of parallel tubes; a reflector supported by the frame back of the tubing and shaped to provide a series of grooves with relatively sharp ridges between each pair of grooves; said grooves being non-arcuate in cross-section and varying in curvature; the tube lengths lying in each



groove and in contact with the reflector in those portions of the grooves which have the shortest radii of curvature, the remaining portions of the grooves being free and shaped to reflect the light of the tubing forwardly, substantially as a sheet of light; and a sign panel in front of the tubing.

2,080,680
ATHLETIC SHOE
Lawrence R. Walther, Chicago, Ill., assignor to Witchell-Sheill Co., Chicago, Ill., a corporation of Michigan
Application February 28, 1936, Serial No. 66,200
3 Claims. (Cl. 36—2.5)



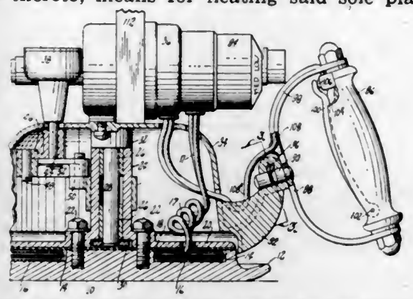
1. An athletic shoe having a cleat positioned approximately between the first and second digits of the foot, a second cleat positioned approximately between the third and fourth digits, a third cleat approximately in line with said first two cleats and adjacent the base of the fourth and fifth digits, and a fourth cleat under the ball of the foot adjacent the base of the great toe, said cleats being of molded frusto-conical construction.

2,080,681
MOTOR FUEL
Jesse Russell Wilson, Chicago, Ill., and Vanderveer Voorhees, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application July 28, 1933, Serial No. 682,667
12 Claims. (Cl. 44—9)

1. A motor fuel comprising cracked gasoline containing non-volatile gum which normally tends to deposit on the valves and in the cylinders of the motor and containing, as a gum flux, from 0.2 to 2% of a normally liquid carbocyclic hydrocarbon having a boiling point above 450° F.

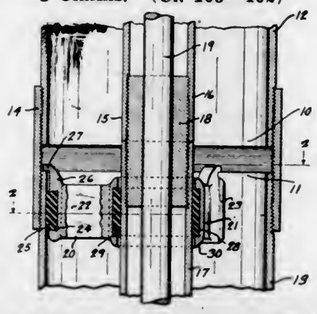
2,080,682
ELECTRIC OSCILLATING LAUNDRY IRON
Alfred F. Yoerg, Des Moines, Iowa, assignor of one-half to Harry Schlesinger, Des Moines, Iowa
Application September 18, 1935, Serial No. 41,083
17 Claims. (Cl. 38—74)

7. In an oscillating iron of the character described, a casing having a manipulating handle member, a sole plate oscillatably mounted relative thereto, means for heating said sole plate



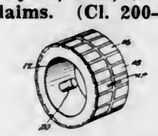
and means carried by said casing for oscillating said sole plate.

2,080,683
PUMP CONSTRUCTION
Lloyd Yost, Wilmette, Ill., and George W. Norris, San Francisco, Calif., assignors to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application November 22, 1934, Serial No. 754,200
3 Claims. (Cl. 103—102)



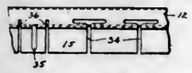
1. In a pump, in combination with an outer casing, a pump shaft extending within the casing, a stationary tube enclosing said shaft, and means for centering said shaft tube within the casing, comprising a spacing member having a hub portion about said shaft tube, and a plurality of arms extending radially therefrom, resilient elements in the ends of said arms, adapted for frictional engagement with said casing, a resilient bearing member carried by said hub, for frictional engagement with said tube, and means carried by said arms adapted for engagement with a portion of said outer casing, for positioning said centering means along said shaft tube.

2,080,684
LOCK
Albert M. Zalkind, Bronx, N. Y.
Application May 13, 1933, Serial No. 670,967
3 Claims. (Cl. 200—42)



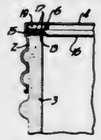
1. In a lock, a drum having an opening for receiving a key, a plurality of contacts selectively mounted on an unexposed portion of said drum, the interior exposed surface of said drum presenting a substantially continuous smooth surface to prevent the detection of the conducting portion, a first and second conductor extending within said drum, and means whereby a specially formed key inserted and turned in the opening completes the circuit from one of said conductors through predetermined ones of said contacts to the other conductor.

2,080,685
CLOSURE DEVICE
Marselius T. Ashe, Garden City, N. Y.
Application December 14, 1933, Serial No. 702,357
2 Claims. (Cl. 220—61)



1. A closure device for containers having an undercut rim; comprising a cover having a channel-shaped groove around its periphery and fitting over the rim of the container; a downwardly and outwardly flaring skirt extending from the outer edge of said groove; a plurality of T-shaped slits formed in said skirt to add to its flexibility; the vertical bar of the T beginning at the lower edge of the skirt; a compression band having the same diameter at its top and bottom edges; an inner circumferential groove formed in said band; the end of the skirt adapted to automatically engage in said groove when the band is pressed over the skirt; a resilient gasket placed in the channel-shaped groove; and said gasket compressed against the rim of the container by the pressure exerted by the band against the skirt.

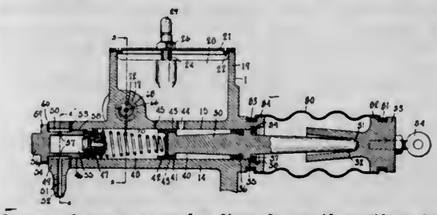
2,080,686
CONTAINER CLOSURE
George E. Bennett, San Mateo, Calif.
Application April 27, 1935, Serial No. 18,525
8 Claims. (Cl. 215—46)



2. A container closure comprising a cap for the container, a sealing disk interposed between the cap and container, and means integrally formed with the disk and expandible under the pressure of the cap for locking the sealing disk to the cap when the latter is applied to the container.

2,080,687
DUAL MASTER CYLINDER HYDRAULIC BRAKE
Max E. Bowen, Grand Rapids, Mich.
Application December 29, 1934, Serial No. 759,646
10 Claims. (Cl. 60—54.5)

1. In a vehicle, the combination of independent front and rear hydraulic brakes, a pair of master cylinders one for the front brakes and one for the rear brakes, a fluid line from each master cylinder to its respective brakes, a piston in each master cylinder, means for simultaneously actuating said pistons, said means being adapted to move said pistons the entire length of the working area of the cylinders, equalizing means for said cylinders comprising a third cylinder having an inlet at each end smaller than the bore of the cylinder, each of said inlets having an outwardly facing valve seat, a double acting piston in the bore of said third cylinder, springs to normally hold said double acting piston in equilibrium, a valve for each valve seat, each valve having a stem extending through one of said apertures and fixed to said double acting piston, said valve stems being of sufficient length to hold said valves in open position when said double acting piston is in equilibrium but to close one valve if said double acting piston moves a substantial amount in said third cylinder, a passage leading from one inlet of said third cylinder to one master cylinder, and a passage leading from the other inlet of said third cylinder to the other master cylinder, said passages opening through the side walls of their respective master cylinders at points in the working area of said cylinders spaced from the ends of said working areas, said brakes and master cylinders being so proportioned that movement of the pistons in the master cylinders from brake released position substantially to the point of opening of said passages into said cylinders will apply the brakes for normal service.



2,080,688
BITUMINOUS CEMENT
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application November 27, 1933, Serial No. 699,931
5 Claims. (Cl. 196—152)

1. A cracked bituminous cement which is adapted for use as a road building, dust laying, wood preserving material or the like, said bituminous cement containing approximately 70 to 80% of 80 penetration at 77° F. of cracked asphalt and approximately 20 to 30% of cracked oil fractions, said cracked oil fractions in said bituminous cement being substantially free from fractions boiling below 400° F. and the major proportion of said cracked oil fractions boiling below 680° F.

2,080,689
PROCESS FOR PRODUCING A BITUMINOUS EMULSION
Ulric B. Bray and Lawton B. Beckwith, Palos Verdes Estates, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application March 30, 1934, Serial No. 718,213
2 Claims. (Cl. 134—1)

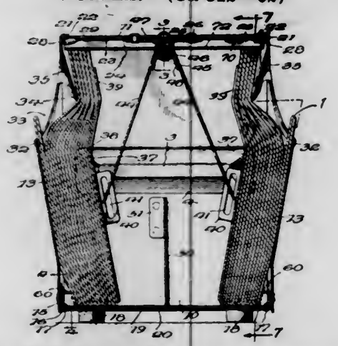
1. A process for producing bituminous emulsions of the slow breaking type which comprises melting bitumen, mixing said melted bitumen in a heated condition with an aqueous solution containing a small amount of caustic alkali to produce an emulsion of the quick breaking type, passing said quick breaking emulsion through a centrifugal pump and injecting regulated quantities of an alkaline alkali metal salt into said quick breaking emulsion for stabilizing said quick breaking emulsion, said injection being at a point adjacent the suction of said centrifugal

pump whereby said alkaline alkali metal salt is thoroughly distributed throughout and intimately commingled with said quick breaking emulsion without effecting local breakdown of said quick breaking emulsion, and whereby an aqueous emulsion of the slow breaking type is produced.

2,080,690
FILLED ASPHALT AND METHOD FOR PRODUCING SAME
Ulric B. Bray, Palos Verdes Estates, and Lawton B. Beckwith, San Pedro, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application April 30, 1934, Serial No. 723,166
8 Claims. (Cl. 106—31)

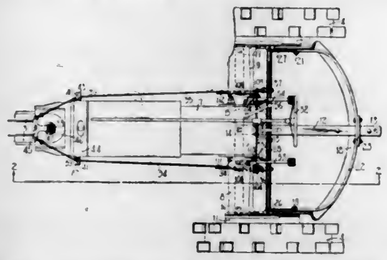
6. A method for producing a filled asphalt which comprises melting asphalt, gradually incorporating into said melted asphalt a finely diyided mineral filler and during said incorporation of finely divided mineral filler maintaining said asphalt at an elevated temperature until completion of said incorporation and thereafter gently agitating said mixture at an elevated temperature with steam until substantially all of the air and moisture occluded in the mixture is removed whereby a filled asphalt is produced characterized by a smooth glossy surface, a high density and a low porosity.

2,080,691
NAPKIN DISPENSER
Frank L. Broeren, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application August 14, 1936, Serial No. 96,007
7 Claims. (Cl. 312—62)



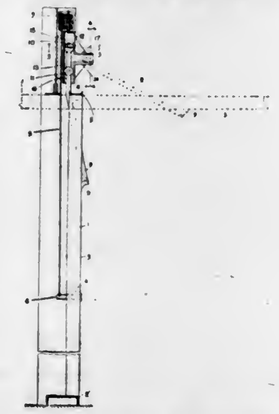
4. In a dispenser of the character described, the combination of a container for a stack of napkins or the like when folded to stand on their lower edges and to each present a free grasping tab terminating on a line below its upper edge, said container including a panel having a dispensing opening, means for pressing the stack of napkins toward said dispensing opening, means for engaging the upper portions of the foremost napkin in the stack, inwardly protruding flange means for engaging the lower portions of the foremost napkin of the stack, said upper and lower napkin engaging means permitting successive single withdrawals of the foremost napkin in the stack while retaining the next succeeding napkins within the container in dispensing position, and relieving the localized pressure of the stack on the foremost napkin at the said upper and lower portions as it is being withdrawn from the container.

2,080,692
TRACTOR
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 24, 1933, Serial No. 677,411
14 Claims. (Cl. 180—18)



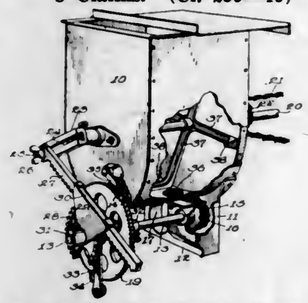
2. The combination with a tractor having a swinging draw bar and dirigible steering means operable to steer the tractor, said steering means being operable through a definite range in either direction from a neutral position to steer the tractor either to the right or to the left to different degrees of turning angle, of a locking member normally holding said draw bar against swinging, and means responsive to the operation of said steering means beyond a certain position on either side of said neutral position for moving said locking member to inoperative position to release said draw bar for free swinging movement.

2,080,693
DOOR CONSTRUCTION
Julius I. Byrne, Detroit, Mich.
Application November 11, 1935, Serial No. 49,306
8 Claims. (Cl. 20—19)



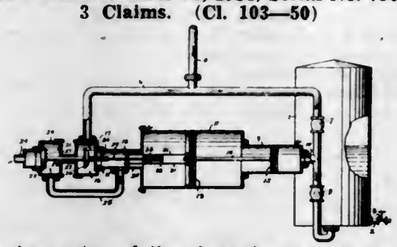
1. In a door construction, the combination with a door and means for bodily raising said door and exerting a rearward pressure upon its upper portion, of hanger means pivotally connected to the upper portion of said door, track means for engaging said hanger means, said track means having a vertically extending portion and a rearwardly extending portion connecting into said vertically extending portion intermediate its upper and lower ends for respectively compelling said hanger means to move bodily vertically during the first portion of the raising movement and providing for subsequent swinging of said door.

2,080,694
POWDER FEED DEVICE
Claude C. Calkins, Spokane, Wash.
Application December 26, 1935, Serial No. 56,245
3 Claims. (Cl. 259—46)



1. In a powder feed device of the class described, the combination of a hopper having a fixed bottom wall with an opening therein, a depending discharge chute attached to said bottom wall and underlying said opening, a sprocket chain mounted in said chute to travel across said opening, and means for driving said chain.

2,080,695
PRESSURE ACCUMULATOR
Clifton Cargile, Houston, Tex.
Application December 10, 1934, Serial No. 756,857
3 Claims. (Cl. 103—50)

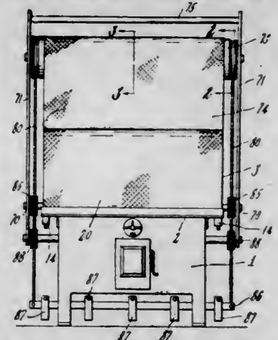


1. Apparatus of the character described comprising a high pressure cylinder adapted to be connected into a supply line, a low pressure cylinder, pistons in the cylinders connected for simultaneous movement in each direction, said cylinders having inlets from the supply line, one into the low pressure cylinder behind the piston therein and one into the high pressure cylinder in front of the piston therein whereby the liquid flowing from said line may act to drive the pistons forwardly, a valve chamber between the inlet into the low pressure cylinder and the low pressure cylinder, an exhaust outlet beneath said inlet, a bypass connecting the valve chamber and the exhaust outlet, valves controlling said inlet and exhaust outlet, guide means on which said valves are mounted, guide rods on the piston in said low pressure chamber and a yoke on the said rods slidably mounted on said valve guide means to control said valves.

2,080,696
PROCESS FOR PRODUCING PETROLEUM PLASTICS
Donald E. Carr, Naples, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application November 20, 1933, Serial No. 698,875
9 Claims. (Cl. 196—22)

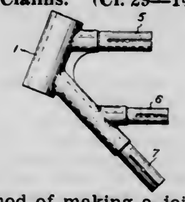
5. A process for producing petroleum plastics from pitches containing the same which comprises separating a crude petroleum plastic from said pitch by means of a solvent, treating said crude petroleum plastic in said solvent with sulphuric acid in a plurality of stages employing sulphuric acid of 40 to 70% strength in the first of said stages and sulphuric acid of materially greater strength in the second of said stages, treating said acid treated solution with clay and subsequently separating the solvent from said acid and clay treated solution.

2,080,697
MATRIX FORMING AND DRYING MACHINE
George M. Clark, Lynn, Mass.
Application October 1, 1934, Serial No. 746,402
10 Claims. (Cl. 34—16)



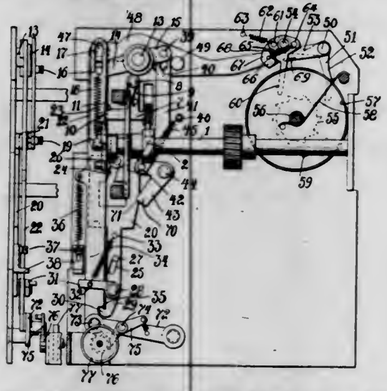
4. A matrix drier having a drying portion presenting a curved outer face, a frame having fixedly spaced members pivoted on an axis substantially parallel to the axis of curvature of said drying portion, and a blanket carried by said frame in position to be progressively wrapped about or unwrapped from said face on swinging of said frame about its axis.

2,080,698
BICYCLE FRAME AND METHOD OF MAKING SAME
George W. Clark, Westfield, Mass., assignor to The Westfield Manufacturing Company, Westfield, Mass., a corporation of Massachusetts
Application February 20, 1935, Serial No. 7,427
11 Claims. (Cl. 29—148.2)



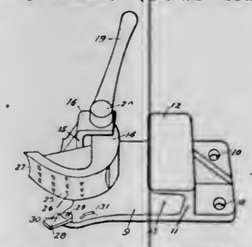
1. The method of making a joint in a tubular metal frame which consists in providing a tube coupling member having integral therewith a supporting plug to hold a tube end, finishing said plug to tightly fit the interior of a tube while permitting endwise telescopic assembly, finishing the end edge of the tube with a backwardly slanting bevel face so as to make a feather-edge at the outer end edge of the tube, providing a wedging shoulder on the plug to engage said feather-edge, assembling said tube and plug under endwise pressure sufficient for said wedging shoulder on the plug to force said feather-edge into bell-mouth form, trimming off the bell-mouth edge of the tube to leave only a line joint discernible on the exterior of the tube and plug abutment.

2,080,699
EXTRAS MECHANISM FOR TAXIMETERS
Grover C. Coil, Dayton, Ohio, assignor, by mesne assignments, to Central National Bank of Cleveland, trustee, Cleveland, Ohio
Application September 19, 1933, Serial No. 690,127
8 Claims. (Cl. 235—30)



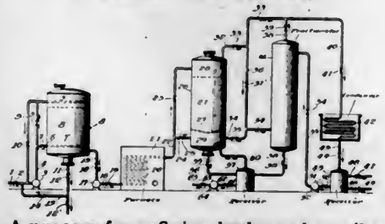
1. In a taximeter, an extras indicator, a totalizer therefor, a reciprocatable link provided with a notch controlling the operation of both said indicator and totalizer, means whereby said link is reciprocated to register on both said indicator and totalizer, means normally seated in said notch and holding said link against reciprocation, and means to release said holding means.

2,080,700
LINE GRIP
Orie O. Dale, Long Beach, Calif.
Application December 4, 1935, Serial No. 52,802
3 Claims. (Cl. 24—134)



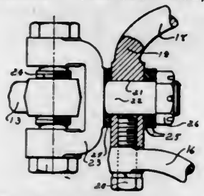
3. A line grip comprising a bracket plate, a cam wedge pivotally attached to said bracket plate, an operating lever for said cam wedge, a wall on said bracket plate against which the line is adapted to bear, a flange on said wall substantially parallel to said plate, said plate, wall and flange forming a line-receiving recess open toward said cam wedge and adapted to receive said cam wedge therein, said cam wedge being adapted to wedge the line against the wall, a releasable latch for said cam wedge mounted on said bracket plate and having operative and inoperative positions, said latch in operative position being adapted to prevent said cam wedge from moving out of a semi-released position whereby the line can run freely through said recess but cannot escape therefrom, and in inoperative position permitting unobstructed pivotal movement of said cam wedge whereby the line can be inserted into or removed from said recess from one side thereof, said lever and said cam wedge including cooperating means whereby when said wedge is released said wedge will swing from camming position to semi-released position with said latch in operative position, or to fully open position with said latch in inoperative position.

2,080,701
TREATMENT OF HYDROCARBON OILS
Roland B. Day, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 15, 1931, Serial No. 544,372
Renewed February 4, 1936
5 Claims. (Cl. 196—36)



2. A process for refining hydrocarbon oil which comprises treating the oil in liquid condition with aqueous hydrogen chloride, then vaporizing the oil, and subjecting the vapors to the action of a contact material containing zinc and copper.

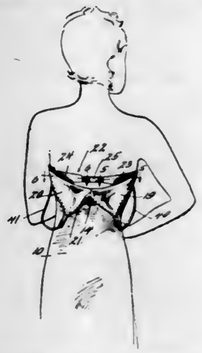
2,080,702
WHEEL SUSPENSION
Edward J. Delahanty, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application December 9, 1933, Serial No. 701,684
3 Claims. (Cl. 280—124)



1. In a vehicle wheel suspension, a wheel supporting structure, an arm swivelly mounting said wheel supporting structure, wheel displacement guiding means including a connector having arms diverging toward the vehicle frame, means pivotally connecting said arms to said frame, an adjustable member pivotally connected to said first arm and extending transversely of said connector, and adjusting means selectively associated with said adjustable member on opposite sides of said connector.

2,080,703
WOMAN'S UNDERGARMENT
David L. Fine, Newton Center, Mass., assignor to David L. Fine and David L. Rosenberg, a partnership doing business as The Boston Royal Petticoat Company, Boston, Mass.
Application November 16, 1936, Serial No. 111,165
2 Claims. (Cl. 2—73)

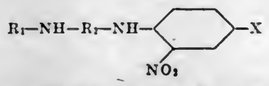
1. A form fitting slip having a skirt portion and a bodice, the front of the bodice comprising a pair of bust receiving pocket panels and a gore interposed between said panels and skirt portion, said gore having an upwardly pointed median portion, each of said panels having an upwardly directed triangular portion, a back for said bodice having upwardly directed triangular portions and forming armholes with said front, said back being seamed along one lateral edge to the corresponding edge of the front of the bodice, said back having a plaque on the other lateral edge, the front of the bodice having a cooperating plaque on the corresponding edge, and a band seamed to the side edges of said back and sub-



stantially shorter than the width of the back, said band having its seamed edges of a length substantially equal to the length of the side edges of the front of the bodice and having an intermediate portion of elastic material, said elastic portion being disposed in line with the bottoms of the armholes.

2,080,704
NITRO-DYESTUFFS AND A PROCESS OF PREPARING THEM
Erich Fischer, Bad Soden in Taunus, and Walter Gmelin, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 17, 1935, Serial No. 54,939. In Germany December 22, 1934
10 Claims. (Cl. 260—124)

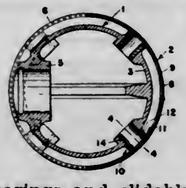
6. The nitro-dyestuffs of the following general formula



wherein the imino groups stand in para-position to each other, X means a sulfamide radical, R_1 stands for a member selected from the group consisting of radicals of the benzene and naphthalene series and the cyclohexyl radical and R_2 for a radical of the benzene series, at least one of the radicals R_1 and R_2 containing at least one substituent of the group consisting of sulfonic acid and carboxylic acid groups, being brown powders which dye the animal fiber very even brown tints of good fastness properties, especially of very good fastness to light and dye leather even brown tints.

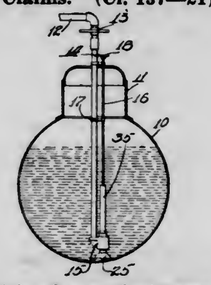
2,080,705
PISTON
Phelps M. Freer, Detroit, Mich.
Application March 23, 1936, Serial No. 70,419
11 Claims. (Cl. 309—15)

1. In a piston, the combination with a body having angularly spaced radially extending bearings, of a cylinder wall engaging annulus encircling said body and having bearings registering with said first mentioned bearings, and resilient connecting members tightly engaging said first



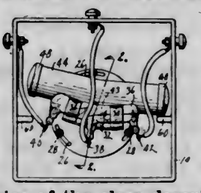
mentioned bearings and slidably engaging said second mentioned bearings.

2,080,706
APPARATUS AND METHOD OF PUMPING HYDROCARBON LIQUIDS
William N. Glab, Dubuque, Iowa, assignor to Morrison Brothers Company, Dubuque, Iowa, a corporation of Iowa
Application March 2, 1936, Serial No. 66,561
2 Claims. (Cl. 137—21)



1. As an article of manufacture, suction means for unloading a tank car or the like having a top entrance opening and adapted to be removably inserted as a unit into the tank through its entrance opening, a main suction conduit of such length as to extend from the bottom of the tank through the entrance opening to the exterior thereof, a second relatively shorter conduit supported on the main conduit in parallel relation, a communicative connection between the insertable end of the main conduit and a point intermediate the ends of the second conduit, a valve for selectively establishing intake through one or the other ends of the second conduit, and a movable valve actuating rod supported on and outside the main conduit of sufficient length to extend to the exterior of the tank, when said means are disposed in operative position in the tank.

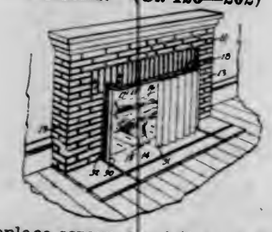
2,080,707
MERCURY SWITCH STRUCTURE
Percy Gray, Jefferson, Iowa
Application March 31, 1936, Serial No. 71,940
19 Claims. (Cl. 200—152)



17. In a device of the class described, the combination with a two position switch requiring a predetermined movement to pass central position from one position of the switch to the other position thereof and means for insuring movement

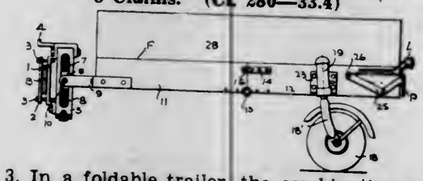
of the switch past said central position, comprising a guide and a weight movable therealong, the ends of said guide being inclined upwardly.

2,080,708
FIREPLACE SCREEN
Ernest A. Haines, Vancouver, Wash.
Application June 24, 1936, Serial No. 86,931
6 Claims. (Cl. 126—202)



1. A fireplace screen consisting of a rail adapted to be mounted in front of the upper side of a fireplace opening, a wire fabric drape disposed beneath said rail and a plurality of hangers slidably and pivotally suspended from said rail, the ends of said hangers being hinged together, said wire fabric being secured to said hangers at the points of hinging in a manner that it will be held straight between the ends of each hanger and permitted to fold under the hinged connections between each pair of hangers.

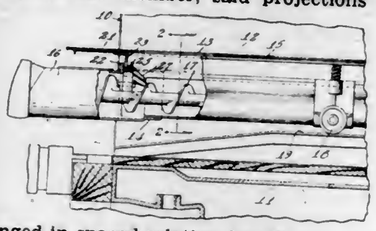
2,080,709
TRAILER FOR AUTOMOBILES
Dwight F. Hall and Walter A. Morkert, Polson, Mont.
Application August 16, 1935, Serial No. 36,527
3 Claims. (Cl. 280—33.4)



3. In a foldable trailer, the combination with an automotive vehicle having an attaching device mounted thereon and a pair of fixed, horizontal supporting arms above the device, of a horizontally extending body section forming a unit and means for supporting said section in horizontal position, a pair of spaced draw bars fixed at the front of the section and hinged to said device, said section being adapted to be swung to upright position on the supporting arms, and means co-acting with the draw bars and said attaching device for retaining said section on the supporting arms.

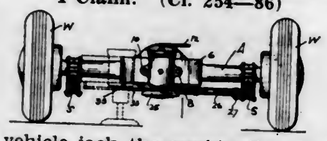
2,080,710
FUEL CONVEYER AND CRUSHER
Christ T. Hansen, Chicago, Ill., assignor, by mesne assignments, to The Standard Stoker Company, Inc., a corporation of Delaware
Application July 18, 1933, Serial No. 680,910
14 Claims. (Cl. 83—52)

1. A crusher comprising a plate-like member having a substantially semi-circular indentation in one edge thereof, a plurality of projections extending outwardly from a face of said plate-like member in a direction and for a distance such that the perpendiculars from the free ends of said projections to the plane of said face intersect said plane within the indented portion of said plate-like member, said projections being



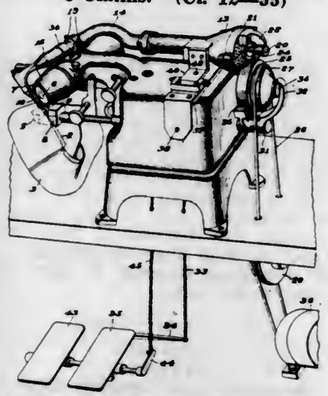
arranged in spaced relation for effecting a separation of the fuel and allowing the fuel of a size commensurate with the spacing of the prongs to pass therebetween.

2,080,711
VEHICLE JACK
John M. Haraldson, Spokane, Wash.
Application September 23, 1935, Serial No. 41,744
1 Claim. (Cl. 254—86)



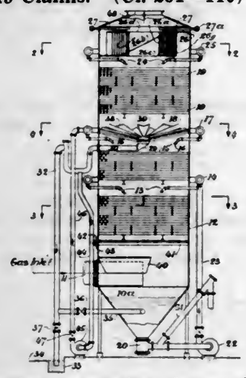
In a vehicle jack, the combination with a telescoping jack having a swiveled base member and a supporting member rigid with the jack, of a fixed support on the vehicle, said supporting member supported by and slidable on the fixed support, a compressed-air tank and supply pipes therefrom, control valves for said pipes, one of said pipes connected with said jack, a servo-motor, and an air pipe connected with said motor for moving said supporting member.

2,080,712
MACHINE FOR APPLYING EDGE BINDINGS TO SHOE UPPERS
Robert A. Hartt, Lynn, Mass.
Application March 14, 1934, Serial No. 715,516
6 Claims. (Cl. 12—55)



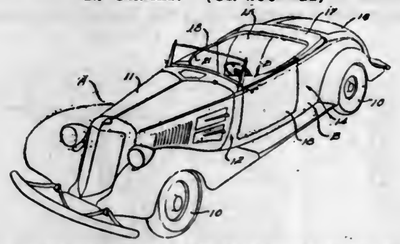
1. In a folding machine, the combination with folding instrumentalities, of means for directing a current of hot gaseous fluid against the portion of the work to be operated upon, said means including a fan, and mechanism for driving said fan comprising a driving element common to both the fan and the machine and a constantly driven member for driving said element, and means for starting and stopping the operation of said element by said member.

2,080,713
GAS CLEANING MEANS
John C. Hayes, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application January 27, 1936, Serial No. 60,948
19 Claims. (Cl. 261—110)



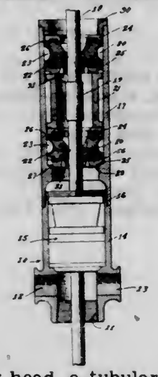
1. In cleaning apparatus, in combination, a tower, means for admitting hot dirty gas to the bottom of said tower, means for admitting water to said tower above said gas admitting means, means for drawing off a mixture of dust and water from the bottom of said tower, means for recirculating a portion of said mixture through said tower in contact with said gas, a condenser stage within said tower, said water admitting means including means for admitting clean cool water to said condenser stage, a water preheating stage within said tower, and means for directing water, under pressure in the form of spray, from said condenser stage to said water preheating stage, said water preheating stage being positioned to deliver water to said recirculated mixture.

2,080,714
BODY STRUCTURE
Harold A. Hicks, Detroit, Alexander G. Herreshoff, Grosse Pointe, and Arthur A. Buchner, Detroit, Mich., assignors to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application December 14, 1934, Serial No. 757,472
12 Claims. (Cl. 296—44)



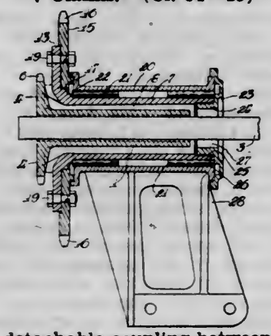
1. In an open type body structure having a forward cowl section and a rear section, a door adapted to structurally connect said sections, means for hinging said door at one end thereof to one of said sections, means releasably connecting said door at its other end to the other of said sections, said door having an inwardly extending bracing portion at one end, and means for releasably connecting said door bracing portion with one of said sections when said door is closed so constructed and arranged as to torsionally brace said body sections against relative deflections.

2,080,715
CASING HEAD AND BLOW-OUT PREVENTER
Frank J. Hinderliter, Tulsa, Okla.
Application August 12, 1935, Serial No. 35,772
2 Claims. (Cl. 166—14)



1. In a casing head, a tubular member, a plurality of zones of sealing means in said member and spaced apart a distance greater than the length of the coupling joining two sections of pipe passing through said casing head, each sealing means comprising a packing ring normally urged into intimate contact with said pipe, a sleeve inside said member between said spaced sealing means, means in said member for supporting the lowermost sealing means, the uppermost sealing means being supported on said lowermost sealing means by said sleeve, and means for imposing an endwise compressive force on said sealing means to hold said means in said member, each of said rings having an annularly disposed flange thereon extending downwardly and inwardly in position to be urged inwardly against said pipe.

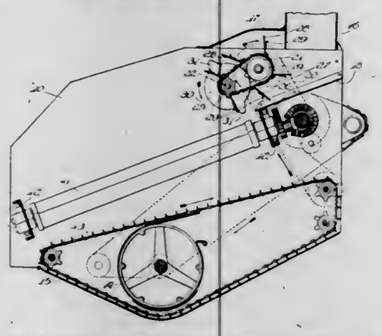
2,080,716
SELF-ALIGNING SPROCKET WHEEL
Rex B. Hitchcock, Marcq-en-Baroeul, France, assignor to International Harvester Company, a corporation of New Jersey
Application July 20, 1935, Serial No. 32,314
In Great Britain July 25, 1934
7 Claims. (Cl. 64—19)



1. In a detachable coupling between a sprocket and a shaft, the combination therewith of a

sleeve slidably carried by the shaft for rotation therewith, radial arms at one end of the sleeve having teeth thereon lying in the same pitch circle, a second sleeve rigidly carried by the sprocket and surrounding the first sleeve and spaced therefrom, radial arms at the proximate end of said second sleeve having teeth thereon lying in the aforementioned pitch circle, said radial arms of both sleeves loosely interfitting in the same plane, and a chain encircling the teeth on the radial arms for establishing a flexible driving engagement between the shaft and the sprocket.

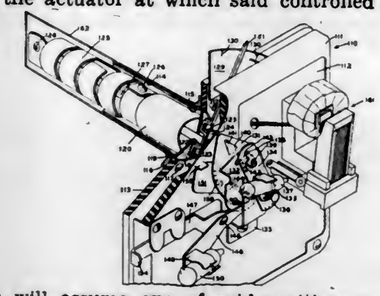
2,080,717
CORN HUSKER
Rex B. Hitchcock, Marcq-en-Baroeul, France, assignor to International Harvester Company, a corporation of New Jersey
Original application April 20, 1933, Serial No. 666,971. Divided and this application March 13, 1936, Serial No. 68,786
6 Claims. (Cl. 130—5)



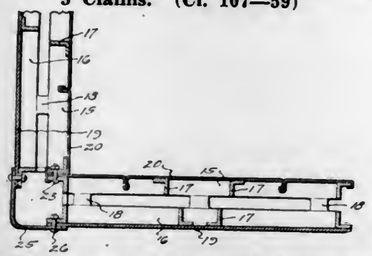
1. In a corn husking machine, and in combination, a casing, a plurality of downwardly inclined husking rolls mounted therein, means for delivering corn to be husked to the upper ends of said rolls, a transverse support rotatably mounted above the upper ends of said rolls, a second transverse support rotatably mounted in spaced relation to the first mentioned support, a plurality of spaced belts encircling said supports, rows of flexible elements secured to said belts and extending downwardly therefrom, a plurality of agitating elements mounted on one of the supports between said belts, and means for rotating one of said supports.

2,080,718
HEAT CONTROL SYSTEM AND SWITCHING MECHANISM THEREFOR
Clifford Hotchkiss, Milwaukee, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 13, 1933, Serial No. 670,861
17 Claims. (Cl. 200—138)

1. A device of the class described, comprising, in combination, an actuator, a member controlled thereby, means associated with the actuator for causing said controlled member to assume a first position, then a second position, and thereafter again assume the first position upon movement of the actuator in a single direction, means for basically adjusting said first named means whereby the positions of the actuator at which said first and second positions are assumed by the control member may be changed in unison, and means associated with said first and second named means whereby the position of the actuator at which said controlled member will assume one of said positions may be varied in respect to another of said positions.

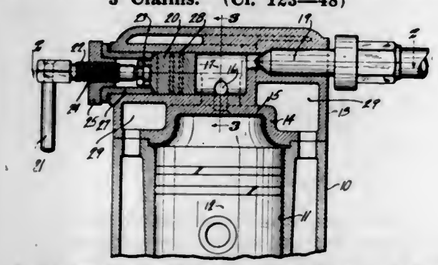


2,080,719
BAKING OVEN
Louis D. Houlis, Dallas, Tex.
Application April 10, 1934, Serial No. 719,833
5 Claims. (Cl. 107—59)



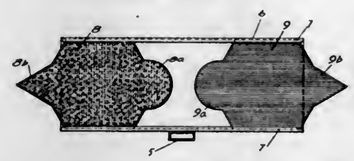
1. A baking oven including, walls each formed of inner and outer frames, each frame comprising a plurality of angular members, a sheet secured to each outer frame, a lining secured to each inner frame, means for securing the inner frames together, angular battens connecting the outer frames, and narrow transverse straps spaced from each other extending between the inner and outer frames whereby said frames are secured together, the space between the frames being filled with insulating material.

2,080,720
HEAD STRUCTURE FOR INTERNAL COMBUSTION ENGINES
Charles B. Jahnke, Oak Park, Ill., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application February 13, 1933, Serial No. 656,473
3 Claims. (Cl. 123—48)



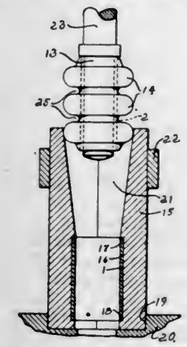
1. In an internal combustion engine, a head structure forming a combustion chamber of cylindrical form, a cylinder and a piston operating within said cylinder with a minimum clearance between the piston and the head structure, a restricted passage providing fluid communication between said combustion chamber and clearance, said passage being arranged tangentially of the cylindrical portion of the chamber, a fuel injection nozzle arranged at the end of the combustion chamber, the axis of the nozzle being parallel to the axis of the chamber, but outwardly offset from the chamber axis, a plunger having limited movement in said chamber for varying the volume thereof, and means operatively associated with said plunger, and extending to the exterior of the head structure, for selectively positioning said plunger within said combustion chamber.

2,080,721
METHOD OF TESTING EYES AND APPARATUS THEREFOR
Benjamin W. Kelly, Des Moines, Iowa, assignor to Keystone View Company, Meadville, Pa., a corporation of Pennsylvania
Application May 27, 1932, Serial No. 613,878
5 Claims. (Cl. 88—20)



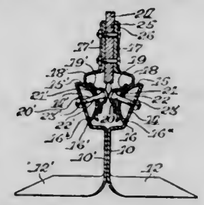
4. An eye testing device comprising a stereoscope; and complementary views, the adjacent portions of which are provided with extensions of smaller area than the main portion of the views, said views having reflected substantially solid color fields of different colors, said fields having a fusion overlap increasing in width from the adjacent edges and extending only through a portion of the fields.

2,080,722
OSCILLATING JOINT
Roger K. Lee, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Original application March 26, 1930, Serial No. 439,177. Divided and this application July 27, 1933, Serial No. 682,359
2 Claims. (Cl. 29—84)



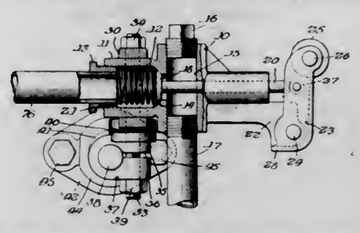
1. The method of manufacturing an oscillating joint which consists in forming a brass coating on the outer periphery of a rigid inner member, molding a plurality of integrally connected rubber rings on said brass coated surfaces, and expanding said rings axially of said inner member to substantially fill the spaces therebetween by inserting said rings together with said rigid inner member into an outer rigid sleeve having a smaller diameter than the normal diameter of said rings so as to compress the same.

2,080,723
KNIFE WEEDER
Alexus C. Lindgren, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 14, 1935, Serial No. 26,651
4 Claims. (Cl. 97—207)



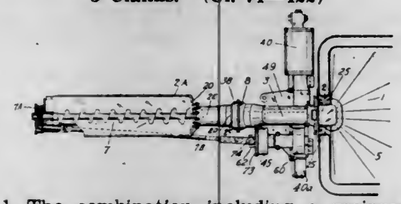
1. The combination with a cultivator standard having a shank portion, of a cultivator blade having an upwardly extending portion intermediate a forwardly extending cutting blade and a rearwardly extending shield portion, means on said upwardly extending portion adapted for adjusting the cultivator blade relative to the cultivator standard, said means comprising a detachable semi-spherical boss, means for securing the semi-spherical boss to the upwardly extending portion on either side of the upwardly extending portion, and means on the shank portion for retaining the cultivator blade in its adjusted position.

2,080,724
VALVE AND SUPPORTING MEANS THEREFOR
Frederick M. Littell, Chicago, Ill., assignor to F. J. Littell Machine Company, Chicago, Ill., a corporation of Illinois
Application March 25, 1935, Serial No. 12,833
2 Claims. (Cl. 251—134)



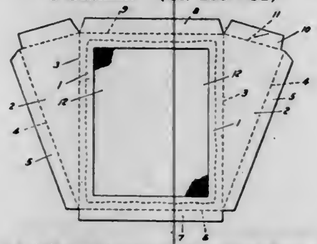
1. A valve for use with a punch press or like machine and adapted to be operated by a cam on said machine, including a valve body having a cylindrical portion, means projecting from the valve body for actuating the valve, a lever pivoted at one end to the valve body for actuating said means and carrying means at its outer free end for contacting the cam, and a clamping member engaging the cylindrical portion of the valve body to thus support the same in a manner permitting rotation on the longitudinal axis of the valve and also movement axially, whereby the lever may be readily aligned and located in proper spaced relation with the operating cam.

2,080,725
DRIVE MECHANISM
Nathan M. Lower, Tuckahoe, N. Y., assignor, by mesne assignments, to The Standard Stoker Company, Inc. (1922), New York, N. Y., a corporation of Delaware
Original application July 2, 1928, Serial No. 289,774. Divided and this application December 20, 1933, Serial No. 703,198
3 Claims. (Cl. 74—422)



1. The combination including a reciprocable rack gear, a housing for said rack gear, said housing being open along one side thereof and having an aperture in its top wall, an attachment flange formed with the said housing opposite its open side and extending outwardly therefrom in a direction away from said open side, a cover having a plate-like portion closing the open side of said housing and a plate-like portion extending across the top wall of said housing, an attachment flange extending outwardly from said cover in a direction opposite said first named flange, said cover having an opening registering with the aperture in said housing top wall, a collar formed with said cover embracing said opening, a member formed with said collar extending transversely of said rack gear, said member forming the lower portion of a bearing, a shaft mounted in said bearing member, a gear mounted on said shaft in said collar engaging said rack gear, a second cover surmounting said collar and forming with said collar a casing for said gear, and a member formed with said second named cover forming the upper portion of a bearing for said shaft.

2,080,726
REGISTER ATTACHMENT FOR HOT AIR REGISTERS
Max Lowinger, Columbus, Ohio
Application November 21, 1934, Serial No. 754,102
3 Claims. (Cl. 183—51)



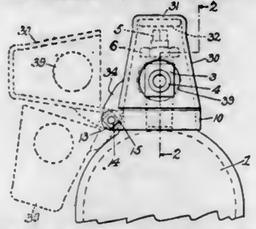
1. A register attachment comprising a single flat sheet provided with scores delimiting and flexibly joining a plurality of sections, one of said sections constituting a top and being provided with an opening, a filter carried by said top and extending across said opening, two of said sections being triangular and tapering from maximum at front to zero at rear and constituting sides, three of said sections connected, respectively, to the edges of said top and sides constituting side and top stiffeners, and three of said sections connected, respectively, to said top and sides constituting attaching flanges.

2,080,727
VIBRATION GENERATING APPARATUS
Edwin H. Ludeman, Jr., Brooklyn, N. Y.
Application September 15, 1934, Serial No. 744,255
14 Claims. (Cl. 25—1)



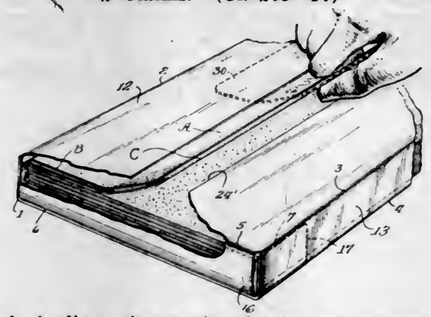
5. In apparatus for generating vibrations by volumetric fluctuations resulting from fluctuations in fluid pressure in an elastic member, automatic valve mechanism for controlling the flow of fluid comprising a reciprocating piston valve, a cylinder within which said valve slides, a piston head near each end of said valve and fitted to said cylinder, restricted exhaust passages in the wall of said cylinder adjacent to and controlled by said piston heads, a valve head on each end of said valve each fitted to slide in its own chamber, restricted inlet passages in the walls of said chambers through which the flow of fluid into each end of said cylinder is controlled by said valve heads, and inlet and exhaust ports communicating with said elastic member and controlled by the reciprocation of said piston valve.

2,080,728
PROTECTIVE CAP FOR GAS TANKS
William J. MacNeill, Milwaukee, Wis., and Harold S. Palmer, Chicago, Ill.
Application April 17, 1935, Serial No. 16,850
4 Claims. (Cl. 220—85)



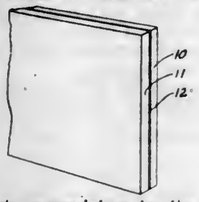
1. A protecting cap for gas bottle valves and the like, comprising a fixed cap section and means for rigidly mounting it on a gas bottle adjacent the valve, a movable cap section adapted when in opposition to the fixed section to cooperate with it to entirely enclose the valve and yielding means for locking the movable section in opposition to the fixed section, the mounting means comprising a split ring integral with the fixed cap section and terminating in radially projecting lugs, a screw adapted to draw the lugs together to constrict the split ring upon the bottle, the movable cap section having a lug loosely pivoted on the screw, interlocking members on one of the lugs on the split ring and on the lug on the movable cap section and a spring encircling the screw adapted to yieldingly hold said interlocking members together.

2,080,729
DISPENSING CARTON
Palmer B. McConnell, Appleton, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application August 14, 1936, Serial No. 95,999
2 Claims. (Cl. 206—57)



1. A dispensing carton having an elongated tear-out strip defined by parallel tear lines and containing a stack of interfolded sheets, the top sheet of said stack being folded to form a pocket portion having an edge aligned beneath the tear-out strip, said edge being positioned a substantial distance from either of said tear lines and therebetween, and a stiff sheet carried in said pocket portion an edge of said stiff sheet being in close proximity to the said edge of said pocket portion to afford a firm grasping portion for the upper sheet to facilitate withdrawal of said sheet from the carton.

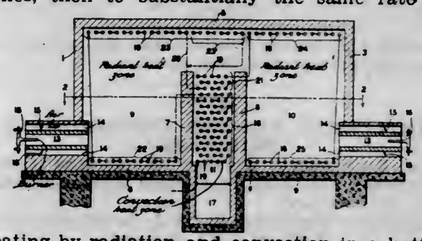
2,080,730
CEMENT
Willett J. McCortney, Royal Oak, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application March 1, 1934, Serial No. 713,510
6 Claims. (Cl. 134—17)



1. A cement comprising in its unset state a tacky solution including a substantial quantity of a rosinate of a metal of the alkaline earth group, rosin, rubber, and a rubber depolymerization and oxidation catalyzer.

2,080,731
HEATING OF FLUIDS
Lev A. Mekler, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 24, 1933, Serial No. 694,961
6 Claims. (Cl. 196—47)

1. A process for heating hydrocarbon oils to the high temperatures required for their conversion which comprises first subjecting the oil while flowing through a closed passageway in a relatively cool portion of a heating zone to a relatively low rate of heating predominantly by convection from commingled combustion gases from independently fired combustion and heating zones, then to a relatively high rate of heating predominantly by radiation in one of said independently fired combustion and heating zones, then to substantially the same rate of

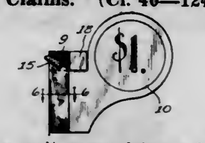


heating by radiation and convection in a hotter portion of the first-named zone supplied with combustion gases from both independently fired combustion and heating zones and finally to a relatively low rate of heating predominantly by radiation in the other independently fired combustion and heating zone.

2,080,732
TREATMENT OF HYDROCARBON OILS
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 23, 1934, Serial No. 736,556
4 Claims. (Cl. 196—36)

2. A process for refining light hydrocarbon distillates of the character of gasoline which comprises treating the same in vapor phase with sulphuric acid to which has been added a hydrocarbon spacing agent selected from the group consisting of the aromatic aldehydes and ketones.

2,080,733
REMOVABLE DISPLAY UNIT
Arthur B. Mull, Appleton, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application September 1, 1936, Serial No. 98,981
3 Claims. (Cl. 40—124.1)



1. A display unit comprising a body portion, a flange portion coated with pressure sensitive adhesive for attaching the display unit to a supporting surface, said flange portion being provided with a tab portion coated with pressure sensitive adhesive, a second tab portion on the body portion of the display unit adapted to be folded over and adhered to said first tab for maintaining said flange at an angle to said body portion.

2,080,734
REMOVABLE ADHESIVE UNIT
Arthur B. Mull, Appleton, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application September 1, 1936, Serial No. 98,983
3 Claims. (Cl. 24—67)

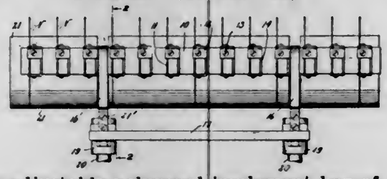
1. An adhesive unit comprising a base sheet of suitable contour coated on one face thereof with a pressure sensitive adhesive, the said face of the base sheet being uncoated at a marginal portion thereof, an integral tongue in said base sheet located within the area defined by said pressure

sensitive adhesive coating and a peelable cover strip protecting said pressure sensitive adhesive



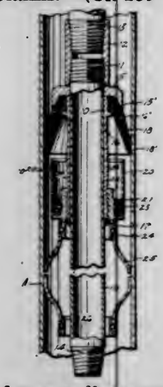
coating and having substantially the same contour and area as said base sheet.

2,080,735
IMPLEMENT BAR FOR EMBROIDERING MACHINES
Max P. Neubert, Teaneck, N. J., and Oskar Mueller, New York, N. Y.; said Mueller assignor to said Neubert
Application December 19, 1935, Serial No. 55,148
1 Claim. (Cl. 112—83)



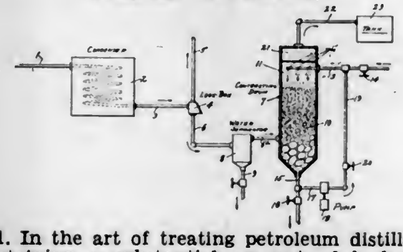
An adjustable polygonal implement bar of the character described provided on each face with a longitudinal row of equidistantly spaced transversely extending channels for removably bearing the tail ends of the implements and an equal number of equidistantly spaced guide grooves extending parallel to and intermediate said channels and a number of clamping plates, one for each implement, each plate formed with a depending flange for engagement within a corresponding guide groove, and means for securing said plates in position on said bar.

2,080,736
PACKER FOR WELLS
Jeddy D. Nixon and Clifford L. Ferrell, Houston, Tex., assignors, by mesne assignments, of fifty per cent to said Nixon and fifty per cent to Wilson Supply Company
Application September 17, 1934, Serial No. 744,383
5 Claims. (Cl. 166—10)



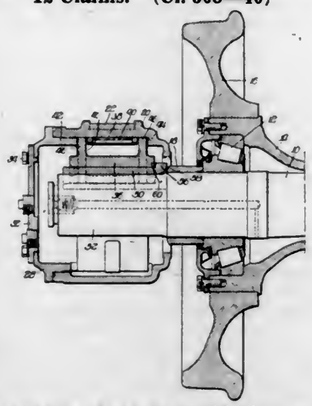
1. A packer for a well comprising, a support, a flexible packing cup mounted on said support and arranged to engage the wall of a well casing, a collar threaded on said support, a housing rotatable on said collar for confining the flexible member therein to prevent its contact with a casing wall during the lowering operation, and means for holding the collar against rotation when the support and housing are rotated so as to cause the collar and housing to travel downwardly on the support to release the cup and permit it to engage a casing wall when it is desired to set the packer.

2,080,737
ART OF TREATING PETROLEUM DISTILLATES WITH ALKALINE SOLUTIONS AND APPARATUS THEREFOR
Donald B. Nutt, El Segundo, and John H. Easthagen, Los Angeles, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application October 28, 1932, Serial No. 639,946
9 Claims. (Cl. 196—32)



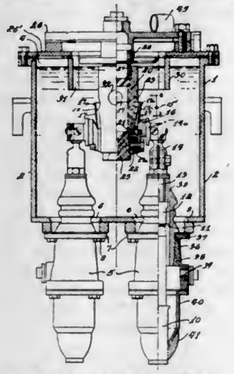
1. In the art of treating petroleum distillates containing a substantial amount of hydrogen sulfide with aqueous alkaline solutions, the steps of contacting such petroleum distillate with an alkaline solution in a porous contact bed of insoluble material by passing petroleum distillate upwardly through the interstices of said bed at a relatively high velocity while simultaneously passing alkaline solution downwardly through said bed, and then passing the petroleum distillate and a portion of the alkaline solution carried thereby through additional porous bed of solid insoluble material, whereby alkaline solution and reaction products are separated and petroleum distillate substantially free from hydrogen sulfide and alkaline solution is separately discharged from the top of said second bed.

2,080,738
WHEEL AND AXLE ASSEMBLY
Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 11, 1933, Serial No. 660,362
12 Claims. (Cl. 308—40)



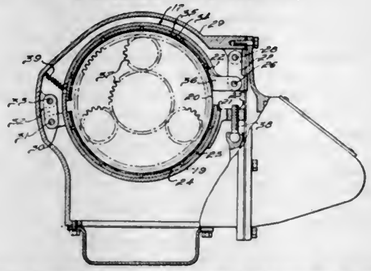
1. In a wheel and axle assembly for car trucks, an axle, a journal box adapted to receive an end of said axle, a loop-shaped key welded to the top portion of said journal box on the inner side thereof, an adapter through which the load is transmitted from said journal box to said axle, said adapter having a recess adapted to receive said key whereby said adapter is loosely positioned by said key.

2,080,739
OIL FUSE CUT-OUT
Andrew E. Papp, Chicago, Ill., assignor to G & W Electric Specialty Co., Chicago, Ill., a corporation of Illinois
Application June 12, 1931, Serial No. 730,191
23 Claims. (Cl. 200—120)



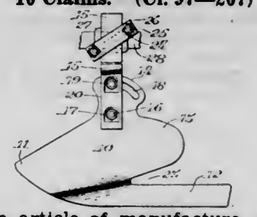
9. A device of the class specified comprising an outer casing forming a chamber for liquid insulating material, an inner casing forming a fuse chamber, and springs on the opposite sides of the inner casing providing spring-actuated fuse terminals for the opposite ends of the fuse, said inner casing being provided with side apertures through which the fuse extends and said springs being mounted on the outside of said casing and engaging the fuse ends on the outside of said casing at the outer ends of said side apertures, and being arranged to spring outwardly away from said casing when the fuse blows.

2,080,740
BRAKING DEVICE
Herbert F. Patterson, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application April 18, 1934, Serial No. 721,108. Divided and this application May 2, 1935, Serial No. 19,344. In Great Britain January 10, 1935
8 Claims. (Cl. 188—77)



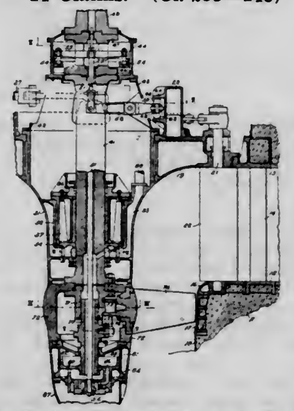
1. In a braking mechanism having a housing, a rotatable drum, a band substantially surrounding said drum, a plurality of circumferentially spaced shoes separate from said band and lying therewithin for frictional contact with said drum, means for anchoring the non-adjacent ends of said shoes to said housing, and brake applying means acting on said band independently of said shoes for contracting said band to cause said shoes to engage said drum substantially uniformly throughout the circumferential lengths of said shoes.

2,080,741
KNIFE WEEDER
Walter R. Peterson, Park Ridge, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 14, 1935, Serial No. 26,647
10 Claims. (Cl. 97—207)



1. As an article of manufacture, a cultivator standard having a shank portion, said shank portion having a plurality of adjusting surfaces formed at a given vertical angle to each other and to the plane of the standard and each surface adapted one at a time to secure a cultivator blade thereto, said shank portion having a plurality of holes connecting opposite adjusting surfaces, and adapted for positioning the means for securing a cultivator blade in adjusted position to either one of the opposite adjusting surfaces.

2,080,742
PROPELLER BLADE CONTROL
Arnold Pfau, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 14, 1936, Serial No. 63,918
14 Claims. (Cl. 253—148)



1. In a hydraulic turbine, a shaft having an axial bore therethrough, a hub suspended from said shaft, a plurality of vanes extending from and rotatably mounted in said hub, a casing supporting said shaft and guiding the flow of water to said vanes, a plurality of vanes mounted in said casing for movement into position con-

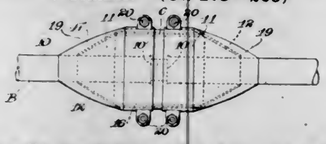
trolling the flow of water therethrough, a fluid pressure operated servomotor located within said hub and operable to rotate said hub mounted vanes, a conduit partially formed by said casing for supplying fluid pressure to the bore in said shaft to operate said servomotor, a valve associated with said servomotor for controlling application of fluid pressure thereto, the stem of said valve extending through the bore in said shaft, the movements of said piston and of said valve complementing each other to retain said vanes in the position reached after movement thereof, and means interconnecting said flow controlling vanes with said valve for simultaneous operation thereof.

2,080,743
SPLIT INSULATING JOINT FOR ELECTRICAL CABLES

Joseph C. Rah, Chicago, Ill., assignor to Delta-Star Electric Company, Chicago, Ill., a corporation of Illinois

Application January 23, 1932, Serial No. 588,287

7 Claims. (Cl. 173—268)



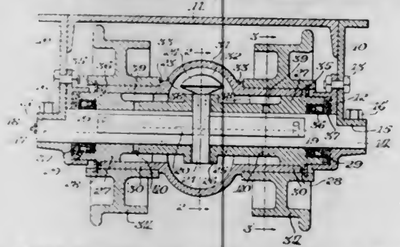
1. A split insulation joint for cable sheathing including, a split insulating sleeve, packing interposed between the parts of said sleeve, split clamping means for clamping said sleeve to the separated ends of the cable sheathing, said packing terminating at each end outside said clamping means, and a wiped covering over the complemental edges on said split clamping means and the ends of said packing.

2,080,744
TRACK ROLLER CONSTRUCTION

Clifford R. Rogers, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application July 5, 1935, Serial No. 29,934

8 Claims. (Cl. 74—230.1)



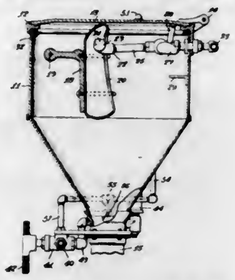
1. A track roller assembly comprising a stationary horizontal shaft, said shaft formed with a thrust flange substantially midway between its ends, a pair of inner cylindrical sleeves respectively turnable on the opposite ends of the shaft with the thrust flange disposed between adjacent inner ends of the sleeves, an outer cylindrical sleeve spanning both inner sleeves and closely fitted thereon to turn therewith, said outer sleeve having an enlarged portion between its ends surrounding the thrust flange, and a track roller having a cylindrical hub frictionally fitted on each end of the outer sleeve on opposite sides of its enlarged portion to turn with the outer sleeve, said hubs of the rollers at their inner ends thrusting against a shoulder respectively formed on each side of the enlarged portion.

2,080,745
CLEANSING DEVICE

Michael J. Roche, Watertown, Mass.

Application September 14, 1933, Serial No. 689,427

11 Claims. (Cl. 141—1)



7. A bedpan washer comprising a receptacle, a bedpan holder therein adapted to hold a bedpan in an approximately vertical position, a pivotally mounted flushing nozzle within the receptacle and having two oppositely-directed openings, means to move the nozzle from an inoperative position spaced from the holder to a flushing position within the bedpan, said discharge openings being directed so that when the nozzle is in flushing position one opening delivers a jet of water upwardly against the under side of the rim of the bedpan at an angle thereto and the other delivers a jet of water downwardly against the bottom of the bedpan also at an angle thereto.

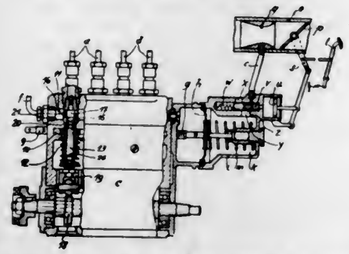
2,080,746
FUEL REGULATOR FOR ENGINES

Alfred Schweizer, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany

Application March 6, 1935, Serial No. 9,663

In Germany May 22, 1934

4 Claims. (Cl. 123—139)



1. In regulators for the fuel supply of an internal combustion engine, a fuel supply device, a regulating member for varying the quantity of fuel supplied by said device, a chamber, a movable member responsive to pressure variations in said chamber, means connecting said movable member to said regulating member, a conduit connecting said chamber and the intake manifold of said engine, a cylinder adjacent said chamber, a piston reciprocative in said cylinder, a throttle valve in said manifold, manual means to actuate said throttle valve, means connecting said throttle valve actuating means and said piston to move the latter to compress the air in said cylinder upon movement of said throttle valve to open position, means responsive to said compressed air for increasing the pressure in said chamber, and means providing a leakage of air from said cylinder whereby after a predetermined

time pressure in said cylinder is reduced and the pressure in said chamber returns to dependence upon pressure conditions in said manifold.

2,080,747
SEALED PACKAGE AND METHOD OF SEALING

Edgar Scofield, New York, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York

Application July 30, 1932, Serial No. 626,369

5 Claims. (Cl. 215—40)



5. A sealed package comprising the combination of a container having a sealing surface adjacent the upper end thereof, a pry-off ledge below said sealing surface, a closure cap, a bead in the skirt of said cap, said bead having an annular groove in the outer peripheral wall thereof, the apex of the groove being below the middle of the bead to substantially increase the strength of the side of the bead below the apex with respect to the side above the apex, a gasket in said bead, said bead being collapsed to increase the depth of said groove and to force the gasket against the sealing surface of the container, the bottom of said cap which forms the bottom of the bead being spaced a sufficient and proper distance from said pry-off ledge to permit the cap to be removed by prying it off with a knife or coin.

2,080,748
MOTOR VEHICLE FRAME

Frederic W. Slack, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application June 15, 1935, Serial No. 26,705

2 Claims. (Cl. 280—106)



1. In a motor vehicle frame structure, longitudinally extending side rails defining the uppermost profile of the frame structure, a substantially X-shaped brace connecting said side rails, said X-shaped brace comprising oblique arm members projecting inwardly and downwardly from said side rails to accommodate the vehicle drive shaft thereabove.

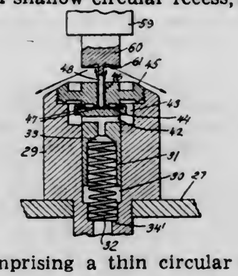
2,080,749
REFRIGERATING APPARATUS

Anthony T. Stock, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware

Application March 7, 1935, Serial No. 9,704

4 Claims. (Cl. 62—127)

1. A refrigerating expansion device comprising a hollow valve body, a plunger slidable in the body, a spring acting to force the plunger upwardly, the upper end of the plunger being provided with a shallow circular recess, and a valve



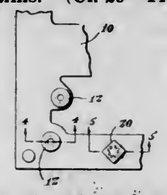
member comprising a thin circular disc in the recess.

2,080,750
METHOD OF MAKING BEARINGS

Ralph E. Thompson, Brookline, Mass.

Application March 2, 1934, Serial No. 713,641

4 Claims. (Cl. 29—149.5)



1. The method of making hardened bearings for clock movements, which consists in inserting in a sheet brass clock plate a nitralloy eyelet, clenching the end of the eyelet barrel upon the outer surface of the plate and thus providing a tubular bearing surface of nitralloy extending through the clock plate, and then nitriding the bearing surface so provided.

2,080,751
FASTENER TAPE AND METHOD OF MAKING THE SAME

Gilbert R. Upham, Churchville, Pa., assignor to The De Long Hook and Eye Company, a corporation of Pennsylvania

Application December 9, 1932, Serial No. 646,472

11 Claims. (Cl. 2—265)



1. A fastener tape comprising a fabric body member having perforations at intervals therein to receive the operative portions of fasteners, a fastener supporting member secured to said body member, fasteners secured to said supporting member only in co-operative relation to said perforations, and a fabric cover strip secured to said body member over the base portions of said fasteners.

2,080,752
ESTERS OF TERPENE AND ABIETYL COMPOUNDS AND METHOD OF PRODUCING SAME

Kyle Ward, Jr., Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

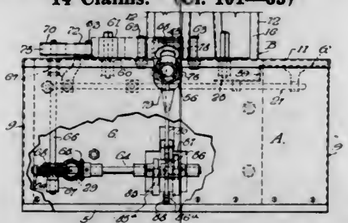
No Drawing. Application June 21, 1934, Serial No. 731,676

22 Claims. (Cl. 260—99)

1. The method of producing an ester adapted for use as a solvent, plasticizer and the like, which includes reacting an unsaturated com-

pound selected from the group consisting of unsaturated terpene compounds and unsaturated abietyl compounds with an organic monocarboxylic acid salt of tetra-valent lead.

2,080,753
STAMP TAX DEVICE
William Berry White, Nashville, Tenn.
Application February 17, 1936, Serial No. 64,382
14 Claims. (Cl. 101—35)



1. In a package printing machine, the combination with a receiving compartment and an exit compartment, of a table for transferring a package from a position below the receiving compartment to a position below the exit compartment, means for printing the package while it is at rest below one of said compartments, and means for projecting the printed package into the exit compartment.

2,080,754
TAG REENFORCEMENT AND SEAL
Lucius B. Wheeler, Boston, Mass.
Application September 29, 1936. Serial No. 103,222
16 Claims. (Cl. 40—21)

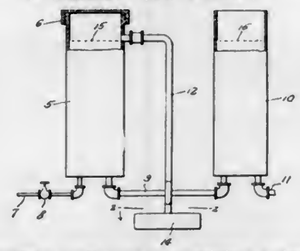


1. The combination with a tag of attaching means therefor and reenforcement means effective to secure said attaching means against removal from the tag, said reenforcement means comprising relatively stiff sheet material on at least one side of the tag, said tag and reenforcement means each having a slot to receive and secure one end of said attaching means, and means to seal the other end of said attaching means against removal from the tag.

2,080,755
YARNS AND FABRICS OF CELLULOSE DERIVATIVES AND METHOD OF MAKING SAME
William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 3, 1934, Serial No. 746,702
17 Claims. (Cl. 8—13)

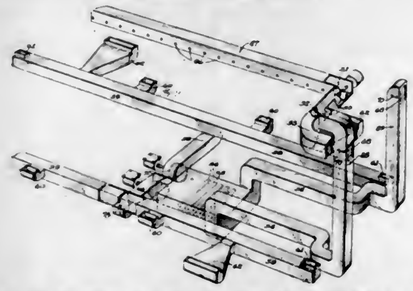
1. In a method of forming weighted articles containing artificial filaments the steps of incorporating an alkylolamine salt of a fatty acid in the artificial filaments, processing the filaments to an article and treating said article with a soluble metallic salt the metallic ion forming an insoluble salt with the fatty acid producing an insoluble salt in the artificial filaments.

2,080,756
AUTOMATIC WATER REFILLER AND CUSPIDOR FLUSHER
Herman J. Badger and William A. Davis, Foxburg, Pa.
Application September 2, 1936, Serial No. 99,174
2 Claims. (Cl. 4—262)



1. A dentist appliance comprising a tank having a water inlet at its bottom, a water outlet adjacent its top, a pipe extending from the water outlet, a cuspidor having a perforated spray tube therein connected with the said pipe extending from the water outlet, a water outlet pipe from the bottom of the tank, a stationary tumbler to which the water outlet from the bottom of the tank connects.

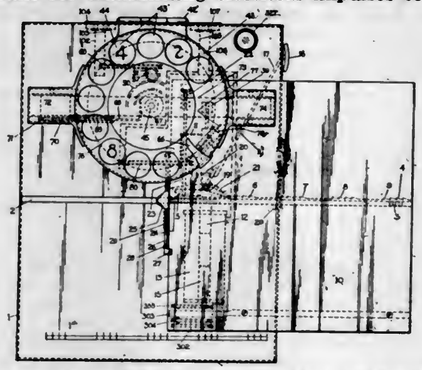
2,080,757
HEATING AND VENTILATING SYSTEM FOR VEHICLES
Martin P. Blomberg, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, a corporation of Delaware
Application December 17, 1934, Serial No. 757,867
12 Claims. (Cl. 98—10)



1. In a ventilating system for railway cars, an overhead duct, a floor duct, a vertical duct in an end wall of the car joining the said ducts, means for moving air through the ducts, an air outlet associated with the overhead duct for exhausting air to the atmosphere, a fresh air inlet associated with the vertical duct for admitting fresh air therein, and valves for controlling the passage of air through said outlet and inlet.

2,080,758
AUTOMATIC ACCOUNTING AND CHECKING SYSTEM
John P. Buckley, Washington, D. C.
Application November 14, 1934, Serial No. 752,909
23 Claims. (Cl. 178—23)

1. In an apparatus of the character described, sending mechanism including means for registering symbols, manually controlled operating means for said means, means for carrying a form to receive the symbols having movement intermittently imparted thereto from said operating means, means actuated from said operating means for transmitting electrical impulses to a



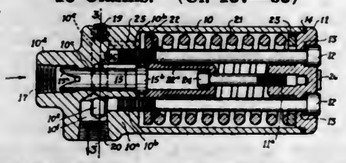
distant point after the symbols are registered, and electrically operated mechanism at the distant point energized by the electrical impulses for automatically registering corresponding symbols and operating a circuit maker and breaker of a circuit controlling operation of the mechanism at the said distant point.

2,080,759
LUG STRAP
Joseph H. Chadbourne, Pomfret, and Charles A. Burdick, Elmville, Conn., assignors to The Danielson Manufacturing Company, a corporation of Connecticut
Application October 19, 1936, Serial No. 106,409
1 Claim. (Cl. 139—153)



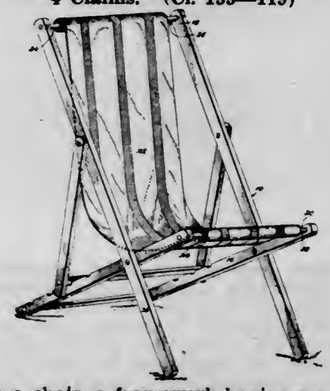
In a lug strap, a textile sheath, and a filler core including a plurality of separate initially unbound parallel cords lengthwise of the sheath and united by adhesive and enclosed by the sheath.

2,080,760
VALVE
Robert S. Condon, Pekin, Ill.
Application June 3, 1936, Serial No. 83,345
18 Claims. (Cl. 137—53)



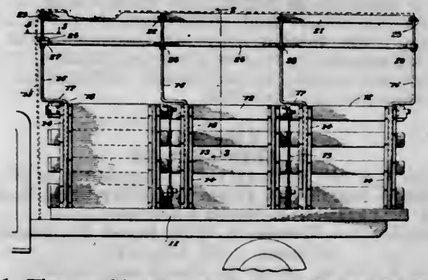
1. In a valve for controlling the relief pressure of fluid in a fluid circuit, a casing having a spring chamber and having inlet and exhaust ports adapted to be connected in the circuit; a slidable valve in the casing between the ports adapted to be operated by fluid pressure at the inlet port and extending into the spring chamber, and a removable self-contained spring cartridge including a spring of predetermined characteristics in the spring chamber opposing movement of the valve, said spring cartridge comprising a fixed plate; a movable plate slidably mounted on the fixed plate and adapted to enter the spring chamber and abut against the valve; and said spring being of relatively large diameter and interposed between the movable and fixed plates; and means for removably securing the cartridge within the spring chamber.

2,080,761
CHAIR
Wilbur F. Crawford, Waco, Tex.
Application March 8, 1935, Serial No. 10,076
4 Claims. (Cl. 155—119)



1. In a chair, a framework having spaced side members interconnected by spaced fixed round rungs, a flexible seat and back-forming webbing having end and edge portions, attaching means carried by the end portions of the webbing, one of said attaching means being fixedly secured to the framework, the other of said attaching means being of a length somewhat less than the distance between said side members and having portions projecting beyond the edges of the webbing to provide means for rotating the attaching means around the associated rung to wrap the webbing about the attaching means and said associated rung before securing the attaching means to the framework, and means engaged with said projecting portions to fixedly secure the said other attaching means to the framework.

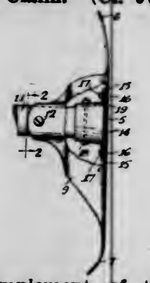
2,080,762
VEHICLE COVER SUPPORT
Wilbur F. Crawford, Waco, Tex.
Application August 3, 1936, Serial No. 94,071
5 Claims. (Cl. 296—104)



1. The combination with a vehicle bed having side sections and bow holders spaced from the ends of the side sections, of a support for a canopy comprising a forward bow having rearwardly and inwardly offset foot portions ar-

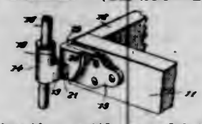
ranged in said holders, a rearward bow having forwardly and inwardly offset foot portions arranged in said holders whereby said forward and rearward bows extend forwardly and outwardly, and rearwardly and outwardly beyond said side sections respectively, and a canopy arranged over said bows and secured to the vehicle.

2,080,763
GARDEN IMPLEMENT
Burton E. Cox, Santa Cruz, Calif.
Application September 27, 1935, Serial No. 42,524
1 Claim. (Cl. 97—66)



A garden implement of the character described comprising a head structure consisting of an elongated plate provided with ground-engaging formations at its opposite ends, a socket structure at the intermediate portion of one side of the plate, one longitudinal edge portion of the plate being provided with a backwardly disposed tongue, a handle, one end of the handle disposed into the socket, the free end of the said tongue being secured to the handle, said handle being flared at the plate end thereof, said socket being of tapered construction for receiving the flared portion of the handle, and tightening means between the socket and the plate.

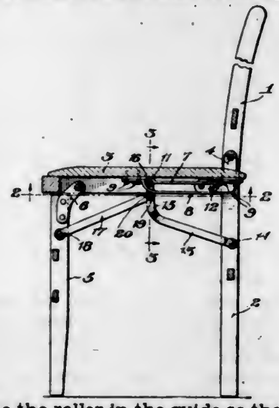
2,080,764
VEHICLE BOW SUPPORT
Wilbur F. Crawford, Waco, Tex.
Application November 5, 1936, Serial No. 109,365
2 Claims. (Cl. 296—10)



1. In combination with a vehicle body having wall members, a combined bow holding and latching means for detachably connecting said wall members, said means comprising brackets on said wall members provided with interlocking latch elements, one of said latch elements projecting beyond the vehicle body and provided with a socket adapted to receive a bow to support a cover in spaced relation to said vehicle body and out of rubbing contact therewith.

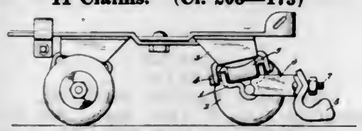
2,080,765
FOLDING CHAIR
John J. Croft, Siler City, N. C., assignor to High Point Bending & Chair Co., Siler City, N. C., a corporation of North Carolina
Application March 21, 1936, Serial No. 70,130
5 Claims. (Cl. 155—141)

2. A folding chair or like device including a back having legs, a seat pivoted to the back, front legs pivoted to the seat, a guide composed of upper and lower spaced resilient members secured to the seat and having up-bent parts adjacent their ends cooperating to form keepers, said up-bent ends of the upper member of the guide being formed to provide downwardly facing shoulders and said up-bent ends of the lower member of the guide being of arcuate form underlying the shoulder portions of the upper member of the guide, a pair of braces pivoted at one end to the back legs and having a roller journaled between their opposite ends, said roller being received in the guide and movable along same and into the keepers, the shoulders being positioned



relative to the roller in the guide so that the roller must be forced past the shoulders to enter the keepers, and a pair of braces pivoted at one end to the front legs and having their opposite ends pivotally connected to the first named braces adjacent the upper ends of the latter, whereby upon movement of the seat to either open or closed position the roller will be forced past one of the shoulders formed on the upper member of the guide to retain said seat in operative or inoperative positions.

2,080,766
SKATE
Leon Dewan and John Bartho, New York, N. Y., assignors of fifteen per cent to J. R. Wren, New York, N. Y., and ten per cent to J. H. Wren, Brooklyn, N. Y.
Application October 2, 1935, Serial No. 43,190
11 Claims. (Cl. 208—173)



1. In a roller skate, foot-supporting means, front wheels and rear wheels, and trucks for connecting the wheels to the foot-supporting means, the rear truck having a projection on each side thereof, frictional braking members, and means associated with the projections for attaching said friction braking members fixedly thereto, whereby tilting of the skate causes said friction braking members to engage the ground and stop the skate by the frictional engagement therewith.

2,080,767
MANUFACTURE OF HYDROCARBON GASES
Henry Dreyfus, London, England
No Drawing. Application October 23, 1934, Serial No. 749,675. In Great Britain October 26, 1933
13 Claims. (Cl. 260—170)

1. Process for the manufacture of unsaturated hydrocarbon gases, which comprises causing carbon to react with at least one of the gases selected from the group consisting of methane and hydrogen at a temperature above 1000° C. and supplying heat to the reactants by the combustion of a gas within the reaction zone during the reaction.

2,080,768
MANUFACTURE AND TREATMENT OF ARTIFICIAL PRODUCTS
George Holland Ellis, Robert Wighton Moncrieff, and Frank Brentnall Hill, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 12, 1934, Serial No. 743,712. In Great Britain September 27, 1933
4 Claims. (Cl. 8—20)

1. Process for the saponification of materials comprising filaments, threads, ribbons and the like of organic esters of cellulose, which comprises treating the materials with an aqueous solution of a strong mineral alkali in the presence of a salt of an amino acid with said alkali.

2,080,769
POSITIVE LOCK FASTENER
George McKinley Fitts, Washington, D. C.
Application December 20, 1934, Serial No. 758,491
31 Claims. (Cl. 85—5)



1. A fastening device complete in itself and adapted for securing superposed apertured members, comprising a resilient head portion stamped from a single thickness of sheet metal, leg members stamped from within the periphery of said head portion, said leg members being integral with said head portion in the center area thereof and bent away therefrom to provide a shank and being further bent to provide work penetrating prongs adapted to be placed under tension by pull of said resilient head portion.

2,080,770
TOXIC AGENTS
Stefan Goldschmidt, Karlsruhe, and Karl Martin, Bruchsal, Germany, assignors to the firm Kessler Chemical Corporation, New York, N. Y.
No Drawing. Application December 13, 1934, Serial No. 757,377. In Germany December 27, 1933
3 Claims. (Cl. 167—30)

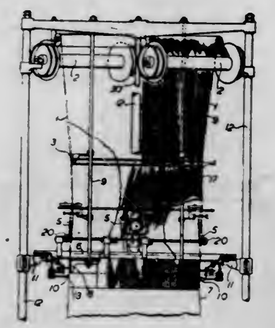
1. As an insecticide a preparation comprising as an active constituent an aromatic isothiocyanate in which the isothiocyanate radical is directly attached to an aromatic nucleus.

2,080,771
SELVEDGING MECHANISM FOR CIRCULAR LOOMS
Frank Corbyn Hale, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application August 3, 1935, Serial No. 34,578
In Great Britain August 22, 1934
10 Claims. (Cl. 139—13)

1. In a circular loom, a comb comprising a series of spaced dents, eyes formed in the free ends of said dents for controlling a set of warp threads and preventing lateral movement of said threads, a further member disposed above said comb and comprising a series of longer dents for controlling a further set of warp threads while allowing a radial movement of said threads, means for effecting relative circumferential motion between the two members, at intervals, so as to pass each thread of one set circumferentially across a corresponding thread of the other set, at intervals, first to one side and then to the other of said corresponding thread, and a shedding wheel for pushing the threads controlled by said further member radially along the spaces between the threads controlled by the comb dents to form a shed for a shuttle during said intervals.



2,080,772
CIRCULAR LOOM FOR WEAVING
Frank Corbyn Hale, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application March 28, 1936, Serial No. 71,385
In Great Britain April 16, 1935
3 Claims. (Cl. 139—13)

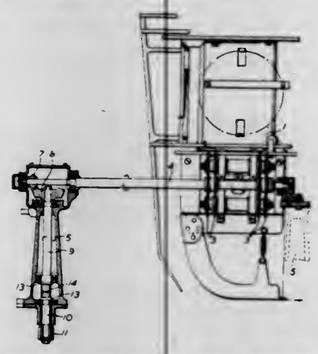


1. A circular loom of the type in which the shuttles are held within the warp sheds by means of rotatable vane wheels disposed so as to penetrate the sheet of warps on one side of a shuttle so as to engage and to position the shuttle, said loom comprising a ring adapted to receive and support the newly woven fabric, and a pile fabric covering for said ring having its pile inclined so as to point circumferentially round the ring.

2,080,773
CIRCULAR LOOM
Frank Corbyn Hale, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application April 3, 1936, Serial No. 72,457
In Great Britain May 20, 1935
8 Claims. (Cl. 139—13)

1. In a circular loom in which rotatable vane wheels are provided to pass between the warp threads into engagement with a shuttle to position the shuttle within a warp shed, vane wheel

driving means, and a free wheel mechanism interposed between said driving means and the



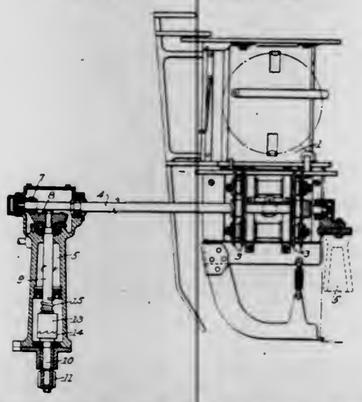
vane wheels to make the vane wheels capable of over-running the driving means.

2,080,774

CIRCULAR LOOM

Frank Corbyn Hale, Spondon, near Derby, England, and Joanny Jabouley, Villeurbanne, France, assignors to Celanese Corporation of America, a corporation of Delaware

Application April 16, 1936, Serial No. 74,634
In Great Britain May 20, 1935
4 Claims. (Cl. 139—13)



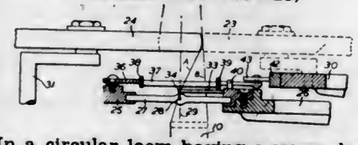
1. A circular loom in which warp threads are arranged in substantially cylindrical order and are woven into fabric by shuttles positioned within the warp sheds by vane wheels carried by shafts arranged substantially tangential to the weaving circle and mounted on a ring between which and the warp threads there is relative circular motion with respect to the loom axis, said loom comprising vane wheel rotating means including a gear ring disposed at substantially the same level as the shaft-supporting ring and at a different level from the vane-wheel shafts, between which ring and said shaft-supporting ring there is relative circular motion with respect to the loom axis, means connecting the gear ring and the vane wheel shaft so as to rotate the shaft during such relative motion, and a toothed free wheel clutch mechanism interposed between the connecting means and the vane wheel shaft to make the vane wheel shaft and vane wheels capable of over-running the connecting means.

2,080,775

SHEDDING MECHANISM FOR CIRCULAR LOOMS

Joanny Jabouley and Robert Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application August 3, 1935, Serial No. 34,575
In Great Britain August 22, 1934
7 Claims. (Cl. 139—13)



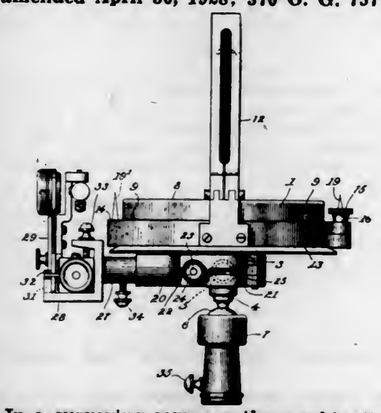
1. In a circular loom having a warp-shedding reed of the type described, a comb disposed in a gap in the reed and having a series of eyed dents for holding a set of spaced warp threads at a fixed radial distance from the loom axis, a further member disposed in the vicinity of the comb and comprising a series of longer dents for guiding a further set of spaced warp threads radially with respect to the loom axis, shedding means disposed alternately at opposite sides of the warp sheet and adapted to move said further set of threads radially inwardly and outwardly past the fixed set of threads to form successive sheds on the inside and outside of said fixed threads after the laying of a pick of weft in a shed, and means for effecting relative circumferential motion between the further member and the comb after the laying of a pick of weft in each of the sheds formed to the outside of the fixed threads so as to pass each thread of the further set circumferentially across a corresponding thread of the fixed set before the formation of the next shed.

2,080,776

SURVEYOR'S COMPASS

Serge N. Koulichkov, New York, N. Y.

Application October 20, 1936, Serial No. 106,542
5 Claims. (Cl. 33—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



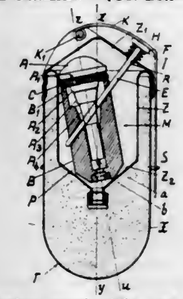
1. In a surveying compass, the combination of a magnetic compass having a circular housing with stationary and movable scales and a stem base for mounting on a tripod, a ring rotatively mounted on the housing, sight vanes on opposite sides of the ring and attached thereto, a bracket removably mounted on the base, and means adapted to rotatively support a level on said bracket.

2,080,777

EXPLOSIVE PROJECTILE

Salamon Lebensart, Vienna, Austria

Application January 4, 1933, Serial No. 650,167
In Austria January 8, 1932
34 Claims. (Cl. 102—29)



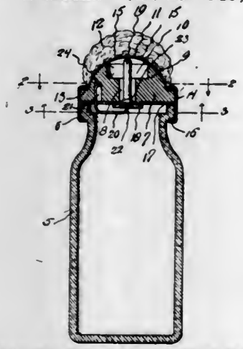
4. An explosive projectile, particularly a hand grenade, comprising a casing having a chamber therein, a universally adjustable fuse in said chamber having ignition and inertia means, a safety pin mounted obliquely through the fuse to maintain the fuse in inoperative position in the chamber, said pin being held by the casing in a flexible swingable position, and means to maintain the pin in the chamber and the fuse until the projectile is thrown or projected when the pin is released to permit the fuse to adjust itself and to ignite the projectile on impact by the forces of inertia acting on the inertia means.

2,080,778

FOUNTAIN APPLICATOR

George Ulric Le Moine, Amesbury, and Albert Joseph Gagin, Lawrence, Mass., assignors to The Brush-On Stove Polish Company, Amesbury, Mass.

Application September 17, 1934, Serial No. 744,442
1 Claim. (Cl. 15—139)



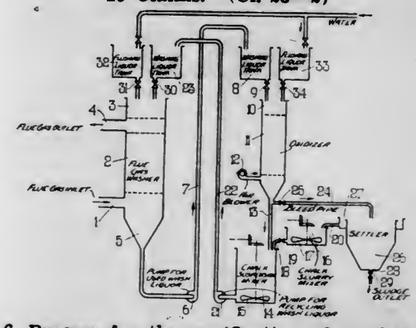
A fountain applicator of the type described comprising, in combination, a receptacle having a neck, a back member having a plane lower surface and seated at the margin of said lower surface on the upper edge of the receptacle neck, said back member comprising a solid circular body provided with a central discharge opening, and having an externally reduced upper portion, a securing cap apertured to fit over the reduced upper portion of the back member and secured to the receptacle neck to securely clamp the back member against the upper edge of the bottle neck, a dauber consisting of a pelt stretched over the reduced upper portion of the back member and clamped at its margin between the securing cap and the margin of the back member, said pelt having hair or nap on the exposed outer face thereof and being provided with small perforations in the skin of the same communicating with the central discharge opening of the back member, and a spring-seated valve normally seated against the lower surface of said back member and closing said central discharge opening of the latter, said valve having a stem projecting through said discharge opening and engaging the inner side of the pelt for unseating the valve when the pelt is pressed into engagement with the surface to be treated under greater than normal pressure, the reduced upper portion of the back member being of segmento-spherical form and provided with a central cavity communicating with the outer end of said central discharge opening and forming a reservoir between the back member and the pelt normally isolated from the receptacle by said valve.

2,080,779

PURIFICATION OF COMBUSTION GASES

Rudolf Lessing, London, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

Application March 16, 1934, Serial No. 715,945
In Great Britain March 17, 1933
19 Claims. (Cl. 23—2)



6. Process for the purification of combustion gases containing oxides of sulphur which consists in bringing such gases into contact with an aqueous washing medium containing approximately 5% of solid calcium sulphate dihydrate in suspension, withdrawing such aqueous washing medium from contact with the gases, abstracting a minor portion of the washing liquor so withdrawn, and bringing the major portion of the washing liquor into further contact with combustion gases containing oxides of sulphur.

18. In a process for the purification of combustion gases containing oxides of sulphur by bringing such gases into contact with an aqueous washing medium containing in suspension calcium carbonate and a large excess of solid calcium sulphate dihydrate, the step which consists in periodically flushing plant surfaces contacted by said washing medium with water.

2,080,780

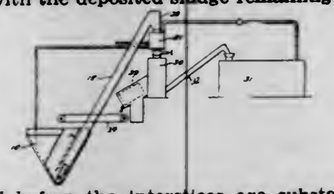
PROCESS AND APPARATUS FOR TREATING WASTE

James C. Mars, New York, N. Y.

Application January 30, 1933, Serial No. 654,142
5 Claims. (Cl. 210—2)

1. The method of treating sewage sludge and the like which comprises passing a sludge bearing liquid through a bed consisting of pieces of carrier material submerged in said liquid, the pieces of

which are sufficiently large to permit ready flow of the liquid therebetween and substantially to avoid capillary relations therebetween, thereby depositing sludge from said liquid upon said carrier pieces, draining liquid from the carrier material with the deposited sludge remaining there-

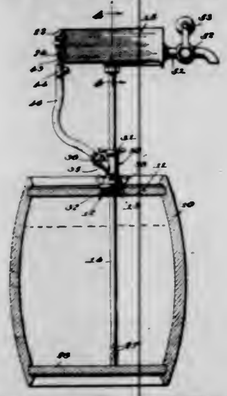


on and before the interstices are substantially filled with deposited sludge, passing a stream of drying gases through a pile of the carrier with the deposited sludge thereon and thereafter removing the dried material from the surface of the carrier and re-using the carrier material in the process.

2,080,781
DEVICE FOR COOLING AND DISPENSING LIQUIDS

George McKittrick, Independence, Kans.

Application June 28, 1935, Serial No. 28,966
Renewed December 31, 1936
1 Claim. (Cl. 225—18)



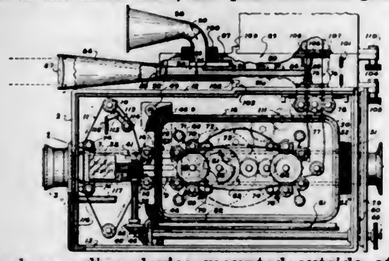
In a device for cooling and dispensing liquids from a sealed container comprising a casing divided into a horizontally disposed refrigerating chamber and adapted to contain solid carbon dioxide and a horizontally disposed dispensing chamber in heat interchange relation with the refrigerating chamber, one end of the casing being open, a separate closure for the open end of each chamber, the closure for the refrigerating chamber being provided with a plurality of gas passages, a conduit formed integrally with the said closure with the passages connecting the conduit with the refrigerating chamber, a discharge pipe adapted to enter the container and in open communication with the dispensing chamber, a sleeve secured to the discharge pipe and a tube connecting the sleeve with the conduit, the dispensing chamber being isolated from the refrigerating chamber.

2,080,782
MOTION PICTURE CAMERA

Albin K. Peterson, Glendale, Calif.

Application May 17, 1935, Serial No. 21,992
9 Claims. (Cl. 88—16.2)

2. In a silent camera for use with sound recording mechanism, the combination of an outer case, a lens at the forward wall of the case, a film guide at the rear of the lens, a substantially soundproof inner case within the outer case for carrying film, feeding mechanism within the inner case for feeding the film through the forward wall of the inner case, and past the film guide, a

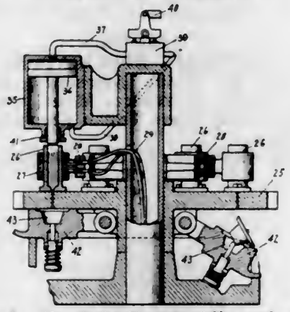


sound recording device mounted outside of the outer casing, and means for guiding the film to and fro through the said sound recording device from the interior of the soundproof inner casing and in a plane substantially at right angles to the axis of the lens.

2,080,783
METHOD OF MOLDING THERMOPLASTIC MATERIALS

Arthur E. Petersen, Westfield, N. J., assignor to Celluloid Corporation, a corporation of New Jersey

Application March 9, 1932, Serial No. 597,689
1 Claim. (Cl. 18—55)



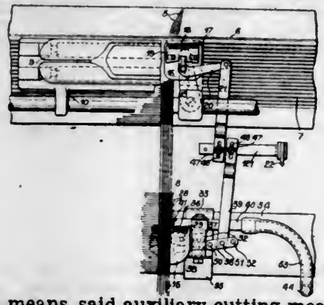
Process for the injection molding of articles in a substantially continuous manner, which comprises moving a plurality of chambers around a circuit, charging each chamber with a thermoplastic material at one part of the circuit, heating the charge in each chamber over another part of the circuit, and at a further part of the circuit extruding each charge under pressure through a narrow passageway into a mold space.

2,080,784
LOOM HAVING STATIONARY WEFT SUPPLIES

William Pool, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

Application November 30, 1934, Serial No. 755,431
In Great Britain January 18, 1934
7 Claims. (Cl. 139—302)

1. In a loom in which weft is inserted in cut lengths whose ends project from the fabric at or near the edge thereof, means for seizing projecting weft ends and holding said ends out of the plane of the fabric, cutting means located near the fell of the fabric at the edge thereof and adapted to engage and cut short said projecting weft ends, suction means located near the edge of the fabric at a point removed from the fell, said suction means being adapted to raise said short weft ends into a position substantially normal to the plane of the fabric, and auxiliary cutting means in association with said

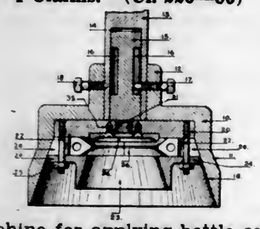


suction means, said auxiliary cutting means having a plurality of coacting teeth arranged substantially parallel to the fabric and in close association therewith so as to engage the short weft ends raised by said suction means and cut said ends close to the surface of the fabric.

2,080,785
MECHANICAL DEVICE TO CRIMP SAFETY CAPS ON BOTTLES AND OTHER CONTAINERS

Antonio Rivera, Mexico, D. F., Mexico

Application May 26, 1936, Serial No. 81,922
In Mexico June 3, 1935
4 Claims. (Cl. 226—86)

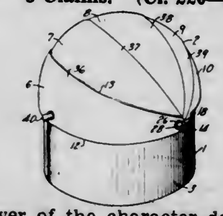


1. A machine for applying bottle caps to bottles, comprising a housing member having a flaring depending wall, the inner surface of which is upwardly and inwardly inclined for the greater portion of its length, a pressure plate slidably fitted within the housing above the inclined surface thereof, a bottle guide carried by the plate, a bottle cap pressure element movably mounted between the pressure plate and the bottle guide, said bottle cap pressure element being of sectional form with each section having an inner cap engaging margin and an outer inclined margin, the inner margins of the sections when in normal position constituting a substantially uninterrupted circular form, the inclined outer margins of the sections bearing against the inclined wall of the housing, and means for permitting relative vertical movement of the pressure plate and parts carried thereby axially of the housing to permit radial movement of the sections of the bottle cap pressure element to provide for the insertion of the bottle and applied cap, the opposite relative movement of the housing and pressure plate causing the inclined wall of the housing and the inclined outer margins of the bottle cap pressure element sections to cooperate with a camming action to force the inner margins of the sections onto the bottle cap with a crimping effect.

2,080,786
RECEPTACLE COVER

Jose A. Robles, Kansas City, Mo.

Application February 11, 1935, Serial No. 5,982
3 Claims. (Cl. 220—30)

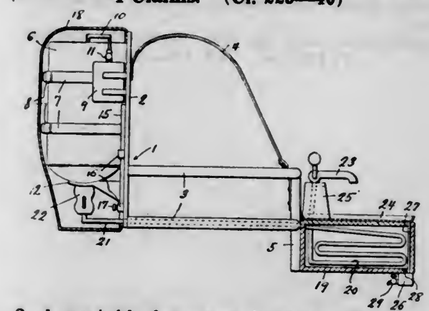


1. A cover of the character described including spring clips having outwardly-directed, axially-aligned trunnions and lune-shaped cover members axially mounted on the trunnions adapted for nesting one within the other and for projection to form a semi-spherical cover for a receptacle, and oppositely directed lips on opposite edges of the cover members, engageable in train as the cover members are projected from nested to functional position.

2,080,787
DISPENSER

Aubrey Leonard Rodgers, New Orleans, La.

Application July 16, 1936, Serial No. 90,975
4 Claims. (Cl. 225—40)



2. A portable beverage dispenser of the class described comprising a supporting structure including a back frame, horizontal side bars extending forwardly from the forward portion of said back frame, crossed shoulder straps connected, at one end, to the forward portions of the side bars and at their other ends to the upper portion of the frame, a beverage container removably mounted on the back frame, means mounted on said back frame and connected to the beverage container for supplying a gas under pressure thereto, a removable cover for the beverage container mounted on the back frame, a box mounted on the forward portions of the side bars, said box for the reception of a refrigerating agent, a tap mounted above the box, a coil mounted in said box and having one end connected to said tap, a pipe extending from the other end of said coil, and a valved coupling detachably connecting said pipe to the beverage container.

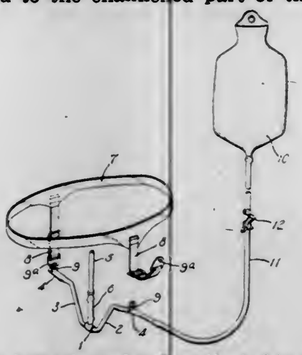
2,080,788
APPARATUS FOR COLONIC IRRIGATION

Joseph Ruggles Ross, New York, N. Y.

Application July 28, 1934, Serial No. 737,393
3 Claims. (Cl. 128—227)

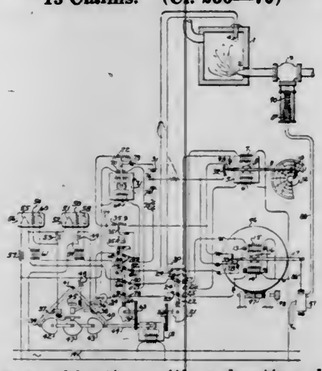
1. An apparatus for colonic irrigation, comprising a rigid elongated member having a closed

portion and a channelled portion with an intermediate partly channelled portion which is fitted to the crotch of the user, a rectal tube flexibly connected to the channelled part of the crotch



portion, a belt adapted to be adjusted to the torso of the user, and flexible, adjustable straps for detachably connecting the ends of said elongated member to the fore and rear portions of said belt.

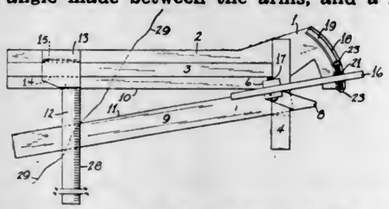
2,080,789
MEASURING AND CONTROLLING APPARATUS
John D. Ryder, Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application June 30, 1933, Serial No. 678,485
13 Claims. (Cl. 236—70)



1. The combination with a heating device of means responsive to the temperature thereof, a pair of electron discharge devices having input and output circuits, said means adapted to control said input circuits, recording means controlled by the current in said output circuits and for advising the temperature, and fluid pressure actuated control means for said heating device and controlled by the current in the output circuits, said recording means and control means operated periodically alternately.

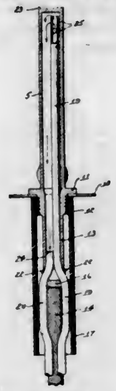
2,080,790
SURVEYING INSTRUMENT
Nelson Denman Salmon, Berkeley, Calif.
Application December 28, 1935, Serial No. 56,485
3 Claims. (Cl. 33—67)

1. The combination with a horizontally disposed topographic map properly oriented, of an azimuth arm rotatable about a vertical axis passing through a point on the map representing the observation point, a second arm pivoted to the azimuth arm and being swingable about the same axis and in a horizontal plane overlying the map, a sighting member swingable with the azimuth arm about the same axis and pointing in the same direction as the arm at all times, connections between the sighting member and the second arm for causing the sighting member to swing through a vertical angle in direct ratio to the angle made between the arms, and a scale



indicating prependicular distance, said scale extending at right angles to and being slidable along the second arm, said scale also being slidable along the azimuth arm, whereby the object sighted by the sighting member is located on the map by the point of intersection of the scale with the azimuth arm when the first elevation number on a contour line is similar to and coincides with a scale number at the point of intersection.

2,080,791
ELECTRODE HOLDER
Harold P. Sanders, El Paso, Tex.
Application November 5, 1936, Serial No. 109,256
3 Claims. (Cl. 219—8)

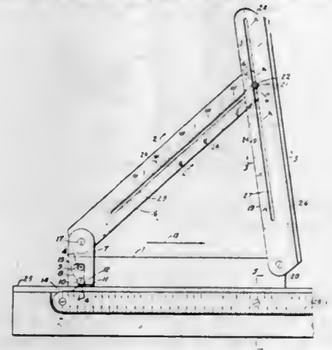


1. An electrode holder comprising a tubular body of electrical conducting material having a closed end, means for removably holding an electrode in electrical contact with said body near said closed end, an electrical conductor inserted into the other end of said body, said conductor closing said other end and having electrical contact therewith, and a pair of pipes entering said body near said conductor and terminating at longitudinally spaced regions in the interior of said body, said pipes providing means for introducing cooling fluid into said interior and discharging it therefrom.

2,080,792
SCALE SECTION LINER
Bernard L. Simmons, Mount Rainier, Md.
Application September 15, 1936, Serial No. 100,861
1 Claim. (Cl. 33—110)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

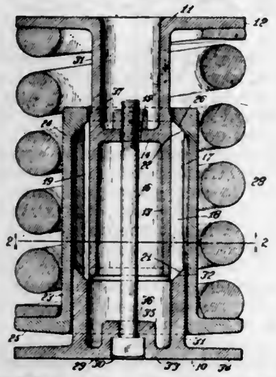
The combination of an adjustable triangle and a straight edge, the triangle comprising a base,

an upright arm secured at one end of said base, ruler arms pivotally attached to said base and said arm, graduations on said ruler arms, means for adjusting and holding said ruler arms at different angles, a ruling edge secured to the under face of one of said ruler arms, a plate pivotally mounted on said upright arm, a ratchet spring



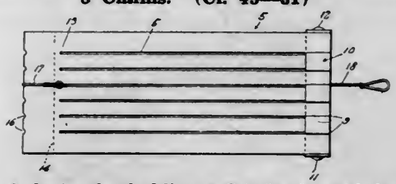
demountably attached to said plate, the straight edge comprising a ruler, a rack detachably mounted thereon, said triangle adapted to be moved along said straight edge with either end of said spring adapted to engage the teeth of said rack, and means for setting said spring to engage and disengage said rack.

2,080,793
BOLSTER SPRING UNIT
Donald F. Sproul, Chicago, Ill., assignor to Cardwell-Westinghouse Company, a corporation of Delaware
Application January 15, 1934, Serial No. 706,580
6 Claims. (Cl. 267—9)



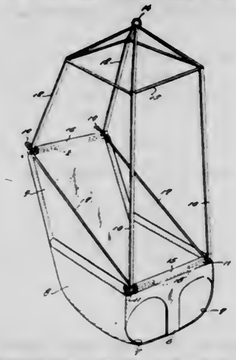
1. In a bolster spring unit, a supporting member comprising a friction post and an integral flange extending about the same, a friction sleeve extending about said post and frictionally engaging the same, said sleeve having tapered ends forming wedge faces, a base having a thrust member provided with a wedging face on its upper end engaging a wedging face on said sleeve, a spring seat member surrounding said sleeve and thrust member and having a wedging face engaging a wedging face on said sleeve, and a spring anchored on said sleeve and engaging said flange whereby, said sleeve will be forced into frictional contact with said post both when said unit is compressed and when it expands.

2,080,794
HOLDER FOR FISH HOOKS
Tullio Squassoni, Norwich, N. Y.
Application January 7, 1936, Serial No. 58,009
8 Claims. (Cl. 43—31)



1. A device for holding a fish hook, said device comprising a block provided with a longitudinal groove in one side, a transverse slot in one end of the body arranged to receive the barbed portion of the hook while said groove receives the shank or leader portion of the hook, and a vertical slot at the opposite end of the block communicating with the adjacent end of said groove, said vertical slot being arranged to receive the leader.

2,080,795
BABY JUMPER
David C. Stone, Junction City, Kans.
Application October 16, 1936, Serial No. 106,010
2 Claims. (Cl. 155—17)

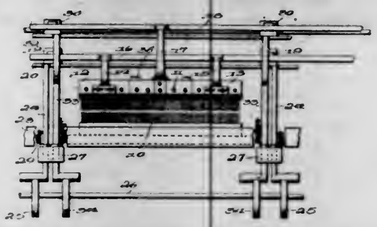


1. A construction of the character described comprising a seat provided with a back, said back extending upwardly beyond the seat, suspending means connected to the forward portion of the seat and the upper portion of the back, a brace means between the forward portion of the seat and the upper portion of the back, said seat and back being constructed of flexible material, hems provided at the forward and upper portions of the seat and back respectively, said brace means consisting of a pair of side rails each provided with a laterally extending leg at each end, said legs being disposed into the end portions of the corresponding hem, so as to maintain the back in an inclined position.

2,080,796
METHOD AND MECHANISM FOR PRODUCING FULL FASHIONED KNIT STOCKINGS
William Lewis Thompson, Miami, Fla.
Application July 26, 1934, Serial No. 737,128
32 Claims. (Cl. 66—82)

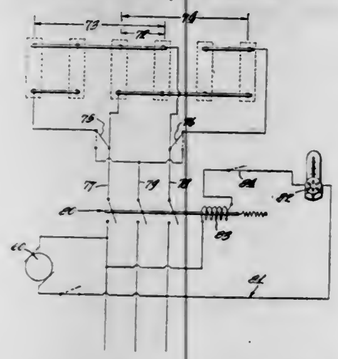
32. In combination with a knitting machine having a needle bank, a plurality of bars carrying sets of transfer points cooperative with different areas of the needle bank, said transfer bars being cooperative to remove fabric from said

different needle bank areas, and said transfer bars being operative independently of one an-



other and at different times to replace on the same needles of the bank the fabric removed by the respective bars.

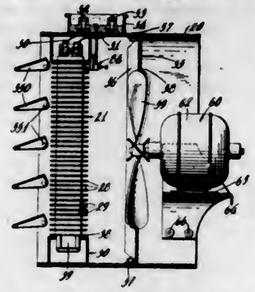
2,080,797
AIR CONDITIONING APPARATUS
Edwin L. Wiegand, Pittsburgh, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 19, 1933, Serial No. 671,878
Renewed February 15, 1937
12 Claims. (Cl. 219—20)



1. Apparatus of the character described, comprising: a plurality of heating elements having conductors forming connected circuits; multiphase feed conductors; and conducting means adapted to form part of said connected circuits and shiftably mounted and selectively connectable with two or more of said feed conductors in different combinations to effect different phase operation.

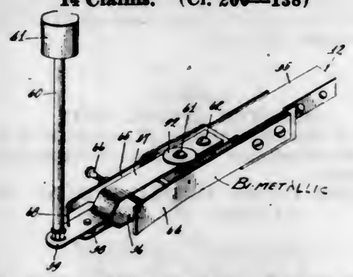
2,080,798
AIR CONDITIONING APPARATUS
Edwin L. Wiegand, Pittsburgh, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application May 19, 1933, Serial No. 671,878. Divided and this application May 18, 1936, Serial No. 80,285. Renewed February 15, 1937
27 Claims. (Cl. 219—39)

1. Heating apparatus, comprising: a casing through which air is adapted to be directed; an elongated heating element extending across the passage provided by said casing and adapted to be traversed by air passing through said casing, said heating element having a body portion and a plurality of laterally extending longitudinally spaced fins thereon; and means carried by said casing for holding said heating element in position, said means having a wall slotted for the lateral reception of the body portion of said heat-



ing element, with said wall disposed between adjacent fins on said body portion.

2,080,799
THERMALLY RESPONSIVE DEVICE
Edwin L. Wiegand, Pittsburgh, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application May 19, 1933, Serial No. 671,878. Divided and this application March 15, 1934, Serial No. 715,672. Renewed February 15, 1937
14 Claims. (Cl. 200—138)

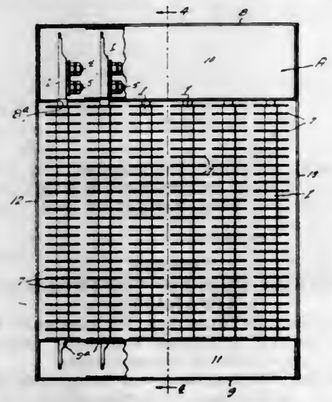


1. A device of the character described, comprising: a support; a plurality of spaced contact members carried by said support, and relatively movable toward and from each other, and having contact means engageable to close a circuit, said contact members being normally urged apart to maintain said circuit open; latch means, extending adjacent to said contact members, movable at an angle to the direction of relative movement between said contact members, and having a latching element engageable to hold said contact members in position to maintain said contact means in engagement; actuating means relatively movable with respect to said latch means and operable to release said latch means and effect separation of said contact members and interruption of said circuit; and means extending between said actuating means and said latch means, adjustable to vary the relative movement necessary to release said latch means.

2,080,800
HEATING APPARATUS
Edwin L. Wiegand, Pittsburgh, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 20, 1935, Serial No. 41,438
3 Claims. (Cl. 219—39)

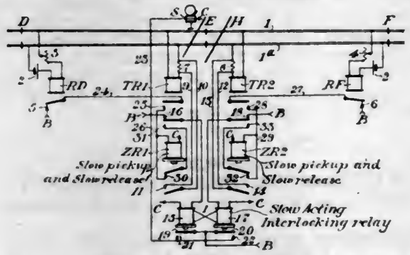
1. An electric unit heater, comprising: a plurality of electric heating elements; and mounting means for said elements, including a casing in

which said elements are disposed; each of said elements having an elongated body portion, each body portion having transverse fin means disposed along the length of the body portion and extending laterally from the body portion; said mounting means being constructed and arranged to mount said elements in spaced relation, free



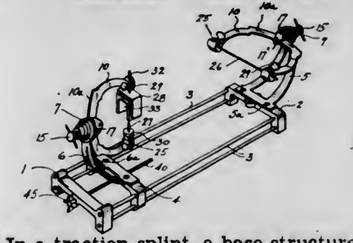
to expand longitudinally, said mounting means comprising spaced supporting members each provided with a series of recesses, the recesses of at least one series being in the form of open-end slots, the two series together forming a series of pairs of recesses each pair receiving the body portion of one of said elements beyond the longitudinal endmost portions of said fins.

2,080,801
RAILWAY SIGNALING APPARATUS
Earl M. Allen, Edgewood, and Paul N. Martin, Swissvale, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 19, 1935, Serial No. 27,400
17 Claims. (Cl. 246—130)



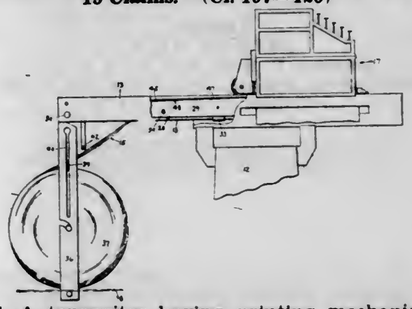
1. In combination, two adjacent track sections each provided with a track circuit including a normally energized track relay, a signal, an operating circuit for said signal and including a contact controlled by one of said relays and said contact closed in response to a train shunting said one relay, a directional control device operative to render said operating circuit ineffective but normally in an inactive position, circuit means controlled by the other track relay when shunted prior to the shunting of said one relay to render the directional device active, and two independent release means controlled by the train to restore the directional device to its inactive position and each effective subsequent to the train vacating the track section associated with said one relay.

2,080,802
ANATOMIC SPLINT
Roger Anderson, Seattle, Wash.
Application October 10, 1933, Serial No. 692,929
14 Claims. (Cl. 128—85)



1. In a traction splint, a base structure, a pair of traction yokes, supports for said yokes whereby they are held in positions opening toward each other, said supports being mounted in the base structure in axial alinement and rotatably adjustable relative to each other about their axes, means mounted by each yoke for effecting skeletal attachment to a limb applied thereto, means for adjusting the spacing of said yokes for applying traction to the limb and means for fixing the position of adjustment of the yokes about their axes.

2,080,803
MANIFOLDING DEVICE
William G. Borchers, Hoboken, N. J., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application December 29, 1933, Serial No. 704,411
15 Claims. (Cl. 197—126)

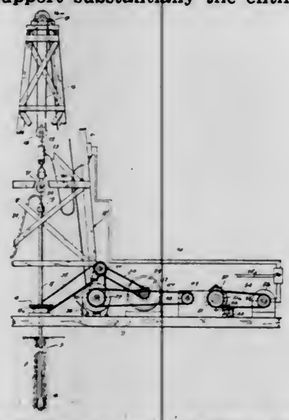


1. A typewriter having printing mechanism; a platen over which a plurality of worksheet strips are advanced form-length extents to bring a fresh form to writing position thereon; a frame; means for aligning said strips over said platen; means for supporting carbon paper between said worksheet strips; and blocking-out means having a connection with said frame and movable thereon in the direction of travel of the worksheet strips into an operative and in reverse direction into an inoperative position relative to the strips on the platen and the printing mechanism and including a flexible sheet superimposed on the uppermost worksheet strip to prevent writing from being produced anywhere on a form-length thereof when the blocking-out means is in operative position.

2,080,804
WELL DRILLING CONTROL SYSTEM
John E. Brantly, Avenal, Calif.
Application April 30, 1935, Serial No. 19,017
15 Claims. (Cl. 255—19)

1. In a rotary well drilling employing a bit carried by a rotatably driven pipe string whose

length and weight are increased as drilling progresses, and means rotatable to lower the pipe string; the method of smoothly feeding the bit that includes, suspending the pipe string by continuously applying to said rotatable means a controllably variable rotation resisting force sufficient to support substantially the entire weight



of any length thereof during drilling, and lowering the pipe string and continuously exerting downward pressure on the bit to drill the formation by partially overcoming said force by a second force independent of the pipe suspending and rotating forces, while at the same time maintaining the first mentioned force.

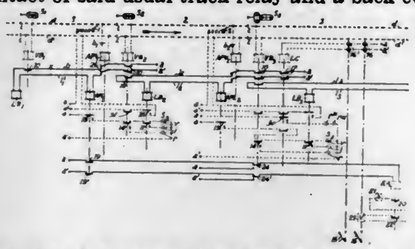
2,080,805
NECKTIE RACK
Clarence F. Brey, New York, N. Y.
Application June 25, 1935, Serial No. 28,301
5 Claims. (Cl. 211—120)



1. A rack for neckties and the like comprising a horizontal helix of spring wire with convolutions spaced to receive between them relatively thick ties; a second helix, likewise of spring wire, but with closer spaced convolutions for reception between them of relatively thin ties; and means for supporting the two helices in axial alignment with capacity for independent endwise expansion and contraction.

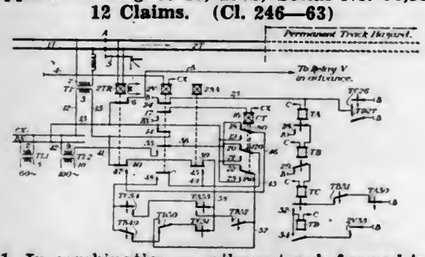
2,080,806
RAILWAY SIGNALING SYSTEM
Georges Caille, Vaujours, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 18, 1932, Serial No. 599,705
In France March 20, 1931
3 Claims. (Cl. 246—3)

1. In combination, a section of railway track, a track circuit for said section including the usual source of current and the usual normally energized track relay, an approach track relay interposed between said source and one of the rails and normally deenergized but arranged to become energized when a train occupies the section, an approach lighting relay, a circuit for said approach lighting relay including a front contact of said usual track relay and a back con-



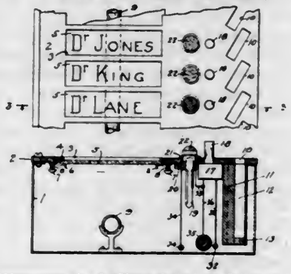
tact of said approach track relay, and a signal in advance of said section having a lighting circuit including a back contact of said approach lighting relay.

2,080,807
RAILWAY TRAFFIC CONTROLLING APPARATUS
Paul H. Crago, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 19, 1936, Serial No. 96,833
12 Claims. (Cl. 246—63)



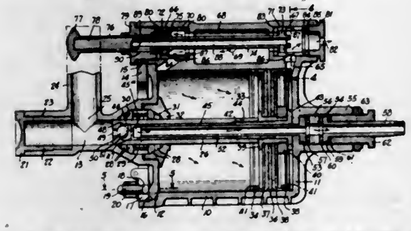
1. In combination, a railway track formed into insulated track sections, coding means operative at times to supply coded current of a first code to the rails of a section under clear traffic conditions in advance and to supply coded current of a second code to the rails of the section under approach traffic conditions in advance, and means controlled by a train upon entry into the section under clear traffic conditions to modify the operation of the coding means to supply current of the second code to the rails for at least one short definite period before current of the first code is supplied to the rails.

2,080,808
ILLUMINATED DIRECTORY CABINET
Clarence J. Cummings and Leslie L. Weimar, Tacoma, Wash.
Application April 1, 1936, Serial No. 72,141
4 Claims. (Cl. 40—132)



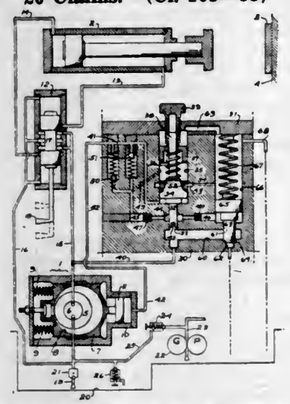
1. An illuminated directory cabinet comprising a constantly illuminated list of names; a secondary light adjacent each particular name; a lens for each secondary light and protruding from the face of the cabinet a switch controlling each said secondary light; and a message receptacle adjacent each said secondary light, whereby a message slip projecting from said receptacle may be seen by the light from said secondary light.

2,080,809
GREASE GUN
Andrew J. Dinkel, Yuma, Ariz.
Application April 15, 1935, Serial No. 16,513
6 Claims. (Cl. 221—47.3)



1. A grease gun comprising a low pressure cylinder having a lateral grease inlet; a plunger working in the cylinder across said inlet so as to advance a charge of grease therefrom and to place the grease under pressure in the cylinder during one stroke of the plunger; the plunger being hollow to form a high pressure cylinder therein and having a port; a check valve controlling said port so as to open during said one stroke of the plunger in order for the charge of grease to be forced into the high pressure cylinder; a stationary tubular piston telescopically received in said high pressure cylinder and into which grease from the latter is forced during the other stroke of the plunger; and means for actuating the plunger.

2,080,810
PUMP CONTROL
James K. Douglas, Shorewood, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 24, 1935, Serial No. 28,068
20 Claims. (Cl. 103—38)



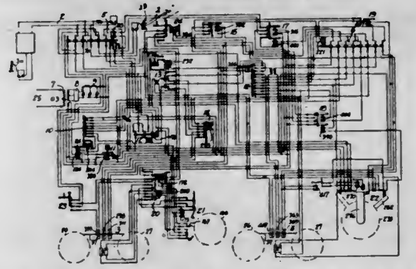
1. The combination, with a pump having a fluid actuated stroke control motor for varying its displacement, of means for supplying motive fluid to said motor to operate the same, a control valve subjected at all times to pump pressure for controlling the flow of motive fluid to and from said motor and responsive to a predetermined maximum pump pressure to direct motive fluid to said motor, a servo-motor comprising a piston and a cylinder for overcoming the frictional resistance to movement of said valve, means for supplying motive fluid to said servo-motor at opposite ends of said piston, and means for maintaining a uniform preponderance of pressure at one end or the other of said piston.

9. The combination, with a pump having a fluid actuated stroke control motor for varying its displacement, of means for supplying motive fluid to said motor to operate the same, a control valve subjected at all times to pump pressure for controlling the flow of motive fluid to and from said motor and responsive to a predetermined maximum pump pressure to direct motive fluid to said motor, and a relief valve connected at all times to said pump and operated by fluid under the control of said control valve.

2,080,811
ELECTRICAL CONTACT
Kenneth L. Emmert, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application June 12, 1936, Serial No. 84,980
4 Claims. (Cl. 200—166)

1. An electric contact member consisting of an alloy of 5 to 25% cadmium, 0.25 to 5% nickel and the balance silver.

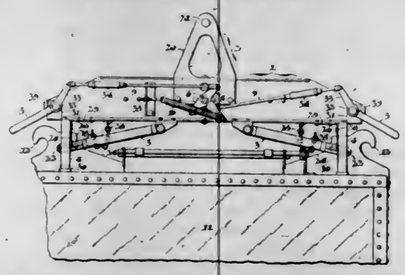
2,080,812
SOUND TRANSMITTING, RECORDING, AND REPRODUCING MECHANISM
Jerry B. Fairbanks, Los Angeles, Calif., assignor of thirty-seven and one-half per cent to R. A. Lindsay and twenty-five per cent to Ernest Hix, both of Los Angeles, Calif.
Application May 29, 1933, Serial No. 673,515
7 Claims. (Cl. 179—6)



1. A telephone circuit including co-operable pairs of transmitting and receiving instruments, sound recording mechanism including a pair of co-operable rotary reels, a driving motor for said reels, a circuit in which the motor is connected, a flexible metallic recording medium co-operable with the reels and adapted to be paid from one to the other thereof, an electrically controlled recording and reproducing head co-operable with the medium, switch means in the motor circuit for placing the recorder in circuit with a transmitting instrument at one place in the line of the telephone circuit and for operating the motor to move the wire to effect recordation of sound thereon as same is formed at said transmitting instrument and the medium drawn through said head, the switch means serving when adjusted to another position to operatively place the recorder in circuit with one of the receiving instruments

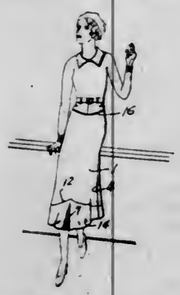
at another place in said line and for acting upon the motor circuit to cause the motor to operate for a predetermined period of time so that as the medium is moved in the effective presence of the recording and reproducing head, sound will be reproduced at said receiving instrument, and means for automatically reversing the direction of movement of the reels after each sound reproducing operation thereof.

2,080,813
LIFTING SLING
Frederick K. Fildes, Altoona, Pa.
Application December 3, 1936, Serial No. 113,973
3 Claims. (Cl. 294—67)



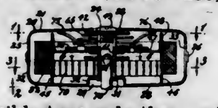
1. A lifting coupler comprising a frame, a suspension element attached to the central portion of said frame, centering arms pivotally attached to the frame and operable on the hooks of a container, stabilizing legs attached to the frame for engaging the container top, hook engaging links attached to said frame, and operating means for engaging and disengaging said links.

2,080,814
SKIRT
Edith Foltz, Los Angeles, Calif.
Substitute for application Serial No. 652,112, January 17, 1933. This application August 21, 1936, Serial No. 97,238
2 Claims. (Cl. 2—72)



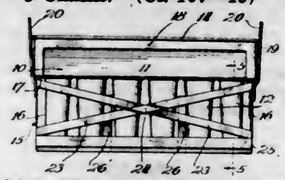
1. A skirt of the class described formed at its lower end with neck and shoulder fitting portions, and means for securing said portions to the neck and shoulders of the wearer, said means including coacting fastening means secured to the front of the skirt and to the inner wall of the rear of the skirt, a slit extending upwardly from the bottom edge of said skirt and provided with an expandible pleat, said pleat being divided for the major portion of its length and provided with fastening means along its abutting edges whereby the degree of neck opening may be regulated.

2,080,815
FLEXIBLE TAPE RULE
Herman M. Gasstrom, Mount Vernon, N. Y.
Application June 22, 1935, Serial No. 27,864
3 Claims. (Cl. 33—138)



1. In a flexible tape rule the combination of a case, a drum journaled in the case, extensions extending from the drum having their top ends normally spaced from the top wall of the case, a spring in the case having one end fixed therein and its other end connected to said drum, a flexible tape with a scale thereon having its inner end connected to said drum and its outer end extending through an opening in said case, said tape when withdrawn from the case being under the tension of the spring, intermittent interlocking means for the drum when it is turned, means to detach said interlocking means and the latter means also functioning to force the extensions of the drums to the top wall of the case to operate as a brake.

2,080,816
MOLD FOR FROZEN CONFECTIONS
Albert C. Grunwald, River Forest, Ill., assignor to Precision Metal Workers, Chicago, Ill., a corporation of Illinois
Application December 22, 1934, Serial No. 758,741
3 Claims. (Cl. 107—19)

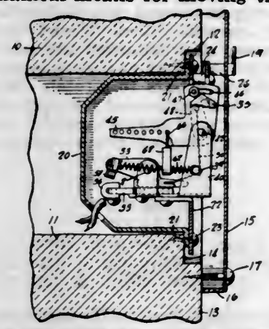


1. A mold for frozen confections and the like comprising a crate-like frame and a mold structure within the frame, said mold structure comprising a pan and pockets depending therefrom, said pockets being arranged in longitudinal and transverse rows, means on said frame engaging and supporting said pan, rails on said frame bent to provide individual nests for the lower ends of the pockets, longitudinal guide rails on said frame, and removable means firmly securing the frame and mold structure together whereby the lower ends of the pockets are firmly seated in their nests for preventing displacement of said pockets and maintaining said pockets in unchanging relation to said guide rails.

2,080,817
ELECTRIC SWITCH
Aloysius Guinosso, Philadelphia, Pa.
Application May 20, 1936, Serial No. 80,663
4 Claims. (Cl. 200—67)

1. An electric switch of the character described comprising a supporting member, an operating member pivotally carried by the supporting member, a bell crank pivotally mounted on the supporting member and formed with an arcuate slot, a pin movable in said slot, a pointed cam operatively connected to said pivotally mounted operating member and adapted to engage said pin on opposite sides, spaced contacts, a bridge adapted to engage said contacts to complete a circuit, said bridge being carried by a member

which is operatively connected to the bell crank, and mechanical means for moving the pin from



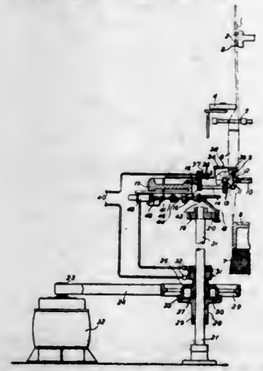
one end of the arcuate slot to the other incident to each operative movement of the said operating member.

2,080,818
RECEPTACLE FOR SMOKERS' ARTICLES
Max Hackman, Brooklyn, N. Y.
Application December 12, 1936, Serial No. 115,484
11 Claims. (Cl. 131—51)



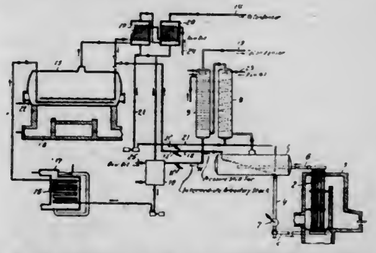
2. In a receptacle for smokers' articles, a hollow casing having a plurality of spaced apertures in the lateral wall thereof, a base and a top member, and vertical walls behind said apertures and between said base and top member forming a plurality of spaced inwardly extending alcoves, the said top member containing a plurality of holes communicating with said alcoves.

2,080,819
CIRCULAR LOOM AND DRIVING MEANS THEREFOR
Frank Corbyn Hale and Robert Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application July 16, 1935, Serial No. 31,600
In Great Britain July 23, 1934
2 Claims. (Cl. 139—13)



1. A circular loom for weaving with non-rotating warp threads, comprising weft shuttles completely surrounded by said warp threads and associated parts carried upon a ring surrounding the warps and adapted to rotate, a brake band surrounding said ring, an electro-magnet adapted to hold said brake band out of engagement with said ring, a closed stop circuit including said electro-magnet and adapted to be opened on thread failure or breakage so as to cause said brake band to be applied to said ring, means for driving said ring, shuttles and other associated parts and an electro-magnetic friction clutch interposed in said drive, the windings of said clutch being included in said closed circuit whereby on opening of said circuit said electro-magnetic clutch is de-energized and the resistance to stopping of the parts to be brought to rest by said brake band is reduced.

2,080,820
ART OF CRACKING HYDROCARBONS
Edward W. Isom, Scarsdale, N. Y., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application October 12, 1929, Serial No. 399,227
4 Claims. (Cl. 196—49)



1. In combination with pressure distillation operations for the manufacture of gasoline by cracking heavier and higher boiling hydrocarbon oils, the improvement which comprises taking off from the pressure distillation an intermediate stock higher boiling than the gasoline product and lower boiling than the stock subjected to the pressure distillation and a tar including pitch constituents produced in the pressure distillation, forcing this intermediate stock through a heating conduit and heating it to a high cracking temperature therein and discharging the hot oil products from this heating conduit into a separate receptacle from which vapors are taken off, and introducing this tar directly into this receptacle and there cracking it further by the heat of the hot oil products discharged from the heating conduit.

2,080,821
BRUSH
George Jacob, Jr., Belleville, and Ernest B. Wright, Jr., Montclair, N. J.
Application January 17, 1935, Serial No. 2,170
4 Claims. (Cl. 15—192)

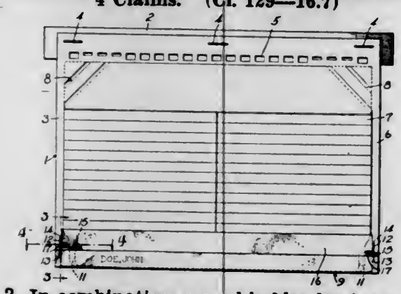
1. A brush comprising a cup-like back having a bottom and an upstanding perimetral flange with an inturned edge, a plastic composition in the back, and a plurality of rows of bristles and spacers embedded in said composition, said spacers being channeled members with their bases adjacent said bottom of the back and their flanges projecting away from said bottom and having perforations in their bases through which said plastic composition extends into the channels, whereby the spacers are held in position in the back by said plastic composition, certain of

said rows of bristles having their ends arranged between adjacent spacers while other rows are



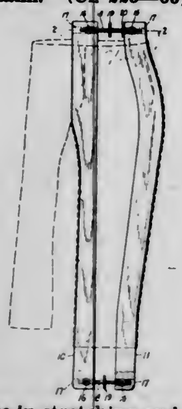
arranged between certain spacers and the flange of said back.

2,080,822
VISIBLE INDEX TITLE INSERT
Arthur Rex Jackson, London, England, assignor to Remington Rand Inc., Buffalo, N. Y.
Application December 6, 1935, Serial No. 53,225
4 Claims. (Cl. 129—16.7)



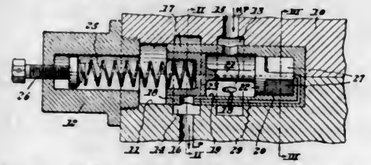
2. In combination, a card holder having a card supporting sheet, a sheath on the free edge of said sheet, said sheet having portions of the side edges adjacent said sheath notched to provide shoulders, an insert strip formed with shoulders for cooperative engagement with the shoulders on said sheet when said strip is engaged in said sheath.

2,080,823
APPAREL STRETCHING AND DRYING FRAME
Lee Roy Jessen, Wauwatosa, Wis.
Application June 3, 1935, Serial No. 24,693
1 Claim. (Cl. 223—63)



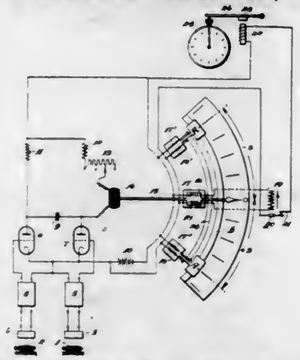
A frame for use in stretching and drying men's trousers, comprising two bars arranged in edge-to-edge relation and having exterior contours conforming to the cut of the trousers, each frame member having bores and intersecting transverse openings at its ends, pivot blocks mounted in the said bores, right-and-left screws threaded through the pivot blocks at the ends of said bars for separating said bars to stretch the trousers, and a locking nut on one of the screws adapted to engage one of said bars to prevent pivoting of the screw means during the stretching of the trousers.

2,080,824
VALVE
Thomas C. Kane, Youngstown, Ohio, assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio, a corporation of Ohio
Application December 13, 1933, Serial No. 702,183
10 Claims. (Cl. 137—53)



1. In a relief valve, a cylinder, means for admitting fluid under pressure to said cylinder, means for relieving fluid from said cylinder including a discharge port and a piston valve subject to the pressure of said fluid, said valve normally covering said discharge port, and a piston in said cylinder having opposed faces one of which is subject to the pressure of fluid admitted to the cylinder, said piston being thereby effective to oppose movement of said piston valve to open the discharge port, and means operative on predetermined movement of said valve to admit fluid from said cylinder to the other face of said piston.

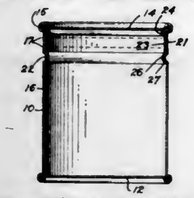
2,080,825
DEVICE FOR TESTING THE OPERATION OF TIMEPIECES
Georg Keinath, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application April 19, 1935, Serial No. 17,279
In Germany April 21, 1934
25 Claims. (Cl. 181—0.5)



1. In an apparatus for testing the operation of timepieces a highly damped current responsive instrument, a source of electrical energy, means for producing a series of electrical impulses in accordance with the rhythm of the periodically moving parts of the timepiece under test, means for producing a second series of electrical impulses of a standard frequency which corresponds to that which the first-mentioned series of impulses exhibits on correct running of the timepiece under test, means for connecting the said instrument to the said source of electrical energy by each impulse of one of said series of impulses and for disconnecting said instrument from said source by each impulse of the other series of impulses, a pointer controlled by the said instrument, at least two marks lying within the range within which the pointer moves, and a time registering device for determining the time after the lapse of which the pointer has traversed a given distance in one direction or the other from one of said marks to the other.

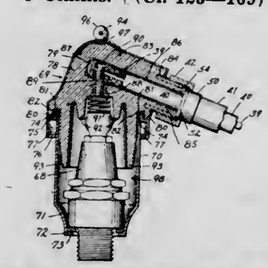
20. In an apparatus for testing the operation of timepieces, means for producing in connection with a timepiece under test, a series of electrical impulses in accordance with the rhythm of the periodically moving parts of such timepiece, means for producing a second series of electrical impulses of a standard frequency which corresponds to that which the first mentioned series of impulses will exhibit on the correct running of the timepiece under test, a movable member, means for actuating said member in accordance with the relative frequencies of said two series of impulses, and means for determining the time taken by said member in traveling a predetermined distance.

2,080,826
TEAR STRIP COLLAR CAN
Lloyd J. Lathrap, San Francisco, Calif., assignor to Pacific Can Company, San Francisco, Calif., a corporation of Nevada
Application August 16, 1935, Serial No. 36,526
3 Claims. (Cl. 220—54)



1. A can comprising a tubular body portion, said body having spaced scored lines adjacent one end to provide a tear-strip adapted for removal to open the can after a closure cover has been secured to the can body, said can body having a radially inward bead adjacent the scored strip in the direction of the opposite end of the body, a collar member adapted for insertion into the can body through the opening of the end of the body to which the tear-strip is more nearly adjacent, said collar being disposed in overlying relation to the tear-strip interiorly of the can body and extending beyond the scored strip portion in both directions axially of the can body, said collar having a face the lower portion of which is adapted for seating upon the upper side of said bead and said collar having at its inner end a radially inward flange of a length sufficient to extend beyond the most inwardly part of the bead and adapted for engaging the under side of the bead when the said lower portion of the face of the collar is seated on the upper side of the bead, said flange being turned radially inwardly and downwardly from the face of the collar and retroverted radially outwardly upon itself providing a terminal portion the diameter of which is less than the maximum diameter of the inner face of the wall of the can body and greater than the minimum diameter of the inward bead of the can body.

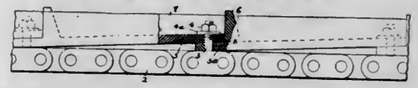
2,080,827
SPARK PLUG SHIELD
Joseph J. Mascuch, Newark, N. J.
Original application July 11, 1931, Serial No. 550,076. Divided and this application February 17, 1933, Serial No. 657,166
9 Claims. (Cl. 123—169)



1. A spark plug shield comprising a cup to enclose a spark plug, said cup having a shoulder formed on the upper edge thereof, a reinforcing member disposed within said shoulder, a cap to seat on said shoulder and means carried by said shoulder to maintain the cap on the cup.

6. In a radio shield for spark plugs, a shielding cap adapted to be positioned over a spark plug comprising a metal shell, a body of dielectric material within the shell, said body having a lateral opening to receive a conductor and said body being formed with a circular recess in alignment with the upper end of a spark plug, and a partially resilient contact means carried by the dielectric body and seated in said recess, said contact means being adapted to project into the lateral opening to contact a conductor.

2,080,828
CONVEYER
Charles R. Mastin, Midland Park, N. J.
Application May 1, 1935, Serial No. 19,181
4 Claims. (Cl. 198—196)

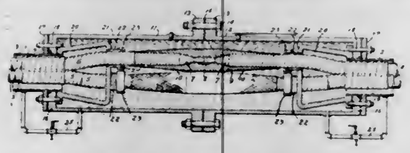


4. The hereindescribed conveyer comprising endless flexible supporting means and buckets of flexible material arranged in a series extending around and secured together and to said means and each including a bottom wall inclined rearwardly and underlapping at its rearward portion the forward portion of the next rearward wall and each bucket also including a load-advancing abutment and side walls all upstanding from the bottom wall and the relatively outer edges of the side walls of each bucket being substantially parallel with said supporting means.

2,080,829
JOINT FOR ELECTRIC CABLES
Fred C. Meyer, Paterson, and George E. Moffitt, East Paterson, N. J., assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Original application September 12, 1932, Serial No. 632,754. Divided and this application March 30, 1935, Serial No. 13,820
1 Claim. (Cl. 247—3)

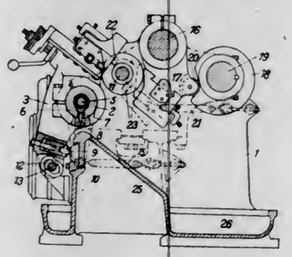
A semi-stop joint for cables of the type in which the cable conductor is enclosed in a pipe line filled

with oil under pressure, comprising in combination a joint casing filled with oil each end of said joint casing being provided with annular flange extending toward the cable pipe a cap plate surrounding the cable pipe at each end of the joint casing, barrier plates within the joint casing having integral portions extending toward the outer ends of the joint casing, the outer ends of said integral portions abutting the inwardly extending flanges on the joint casing, bolts for securing the said cap plates, casing flanges and barrier plates



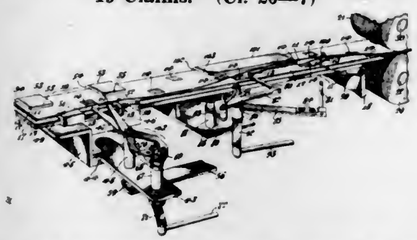
to each other to provide a liquid-tight seal between the ends of the joint casing and the cable pipe and to hold said barrier plates in place thimbles in the end wall of the cup-shaped members provided by the barrier plate construction for receiving the cables to be joined with a snug fit, said barrier plate construction preventing the flow of oil from the cable pipe or sheath through the barrier plate to the inside of the joint casing, and a pipe for maintaining communication between the oil in the cable pipe and the oil in the joint casing.

2,080,830
LATHE
Walter Möbius, Magdeburg, Germany
Application January 8, 1936, Serial No. 58,041
In Germany May 5, 1933
9 Claims. (Cl. 82—2)



1. In a lathe of low and rigid construction for operating upon workpieces comprising a head-stock and a tail-stock, means in said head-stock for gripping and rotating a workpiece, and guide bars extending between, and fixed at both their ends to, the tail-stock and the head-stock, the combination, with a tool for operating longitudinally of the workpiece, of a tool carrier for said tool made in the form of a two-armed lever slidably and swingably mounted upon a spindle having its center disposed below the level of the axis of rotation of said workpiece, and a second tool carrier made in the form of a one-armed lever is slidably and swingably mounted upon a second spindle located above the axis of rotation of said workpiece, there being tool slide rests and means associated with said tool carriers for gripping tools and applying the same against the workpiece, and the tools being positioned in the same general direction of rotation with respect to the axis of the workpiece so that the tool slide rests will solely be under tension during rotation of said workpiece.

2,080,831
SNIPPING MACHINE
Franklin W. Oehrle, Philadelphia, Pa.
Application December 4, 1935, Serial No. 52,763
19 Claims. (Cl. 26—7)

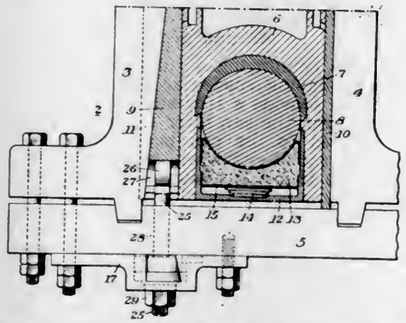


1. In apparatus for making a ladder web for Venetian blinds, a support for said web, feeding means for advancing said web over said support, a cutting device movably mounted along said support for severing portions of said web arranged at intervals thereon, stop means for arresting the feed of said web when each of said portions is adjacent to said cutting device, and means for actuating said cutting device to sever said portions in succession.

2,080,832
GLUE
George H. Osgood and Russell G. Peterson, Tacoma, Wash.
No Drawing. Application November 3, 1933, Serial No. 696,544
6 Claims. (Cl. 134—23.5)

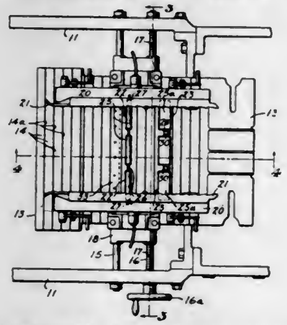
5. An adhesive composition which includes the flour of the hulls of the coffee bean, an aqueous alkaline medium, and carbon bisulphide.

2,080,833
WEDGE ADJUSTING MECHANISM FOR LOCOMOTIVE DRIVE BOXES
William A. O'Toole, McKeesport, Pa.
Application March 1, 1935, Serial No. 8,856
9 Claims. (Cl. 105—81)



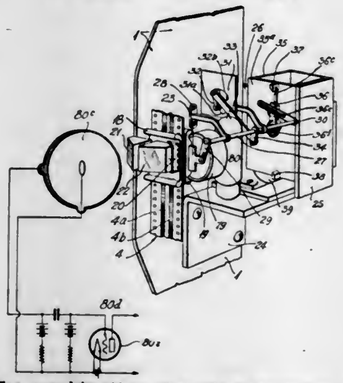
1. The combination with a locomotive drive box assembly having a pedestal, a drive box and an adjusting wedge, of an adjusting screw for the wedge, an adjusting nut on said screw, a member for turning the nut in one direction only, cooperating surfaces on said member and a portion of the pedestal for imparting movement thereto in one direction upon relative vertical movement between said member and the frame, and spring means for returning said member to its original position.

2,080,834
WRAPPER SEALING DEVICE
Charles H. Petskeyes, Davenport, Iowa, assignor to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Delaware
Application November 22, 1935, Serial No. 51,115
5 Claims. (Cl. 93—2)



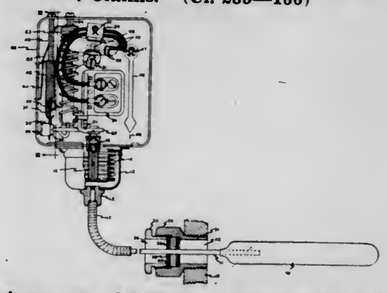
1. In a device for heating the overlapping portions of the wrapper of a wrapped article, an article guiding member having a series of fixed, unyielding wrapper smoothing ridges extending across the article contacting face of the member transversely of the direction of movement of the wrapped article, a slot in the face of the member, a wrapper engaging element arranged to be loosely carried in the slot and extending beyond the ridges, said element resiliently supported to follow the contour of a wrapped article passing across the slot and arranged to be maintained in contact with an electrical heating element, whereby a wrapped article may have its wrapper smoothed by the ridges and overlapped portions of the wrapper pressed together by a heated element.

2,080,835
CONTROL SYSTEM
Gordon Brown Scheibell, Millburn, N. J.
Original application April 11, 1930, Serial No. 443,398, now Patent No. 2,005,596, dated June 18, 1935. Divided and this application January 16, 1935, Serial No. 2,135. In Canada April 18, 1933
12 Claims. (Cl. 179—100.3)



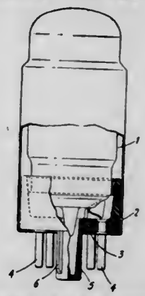
3. The combination of a photosensitive device, means for producing a beam of light incident upon said photosensitive device, means for controlling said beam of light at predetermined time intervals, and timing means for operating said means, said timing means comprising motor driven gears and a quick-acting spring driven device periodically operated thereby.

2,080,836
PRESSURE OR LIQUID SEAL
Sylvanus C. Shipley, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 10, 1934, Serial No. 743,377
7 Claims. (Cl. 285—166)



2. A pressure fitting for a thermostatic device including a bellows, a thermostatic bulb and a connecting tube of smaller cross-sectional area than that of said bellows or of said bulb, comprising, a pair of spaced pressure assemblies, each assembly comprising a plurality of pressure elements each having an opening permitting its being placed upon said tube but not sufficiently large to allow the same to be passed over said bellows or bulb, interlocking means associated with said pressure elements which positively provide for angularly spacing of the pressure elements, packing placed between said pressure assemblies and closely conforming to said tube, and means for drawing said pressure assemblies together to tightly compress said packing upon said tube.

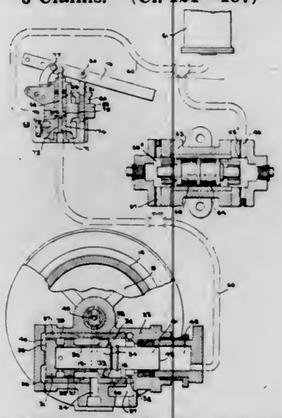
2,080,837
TUBE BASE
Terry M. Shrader, West Summit, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 2, 1935, Serial No. 14,191
5 Claims. (Cl. 250—27.5)



3. In combination, an electron discharge device with a base having a guide member projecting from the center of said base along the longitudinal axis of said device, contact pins shorter than said guide member secured to said base in a circle concentric with said guide member to project from said base parallel to said guide member, said guide member having a key on one side

beyond the ends of said contact pins and also having a cylindrical outer end beyond said key; and a socket having a central opening in which said cylindrical end of said guide member may be journalled to rotate said device about its longitudinal axis and shaped to receive the key portion of said guide member only in a predetermined angular position of said guide member, and contact members arranged around said central opening to receive the contact pins of the base.

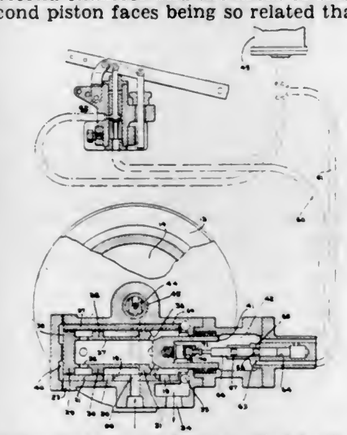
2,080,838
STOKER DRIVE
Earll R. Stone, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 30, 1936, Serial No. 93,488
3 Claims. (Cl. 121—157)



1. In a reciprocatory double-acting motor device, sources of steam and liquid under pressure, an operating cylinder having ports communicating with the ends thereof, an operating piston in the cylinder, a valve for controlling said ports, said valve having operating means including opposed piston faces, means cooperating with the one piston face to provide a steam chamber, means cooperating with the other piston face to provide a liquid chamber, a connection including a restriction between said liquid source and said liquid chamber, a pilot valve moved at stroke ends of the operating piston for connecting said steam chamber either with said source of steam under pressure or with exhaust, said steam and liquid pressures and said steam and liquid piston faces having such relation that the steam pressure is capable of moving the valve against the liquid pressure, and a liquid accumulator arranged in relation with said restriction to provide for rapid displacement of an initial quantity of liquid leaving or entering said liquid chamber incident to movement of the valve.

2,080,839
STOKER DRIVE
Earll R. Stone, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 30, 1936, Serial No. 93,489
6 Claims. (Cl. 121—157)

1. In a motor device, an operating cylinder having ports communicating with the ends thereof; an operating piston in the cylinder; a first valve for opening and closing said ports to admit and to exhaust motive medium to each end of the operating cylinder; said first valve having operating means including opposed first and second piston faces; means cooperating with the first piston face to provide a first chamber; means cooperating with the second piston face to provide a second chamber; a second valve movable to a first position to supply pressure medium to the first chamber and to a second position to exhaust medium from the latter; means for moving the second valve to its first position at the end of strokes of the operating piston in one direction and to its second position at the ends of strokes of the operating piston in the other direction; means providing for the continuous application of medium under pressure to the second chamber; the pressures of said medium supplied to the first chamber and of the medium supplied to the second chamber and the areas of said first and second piston faces being so related that the

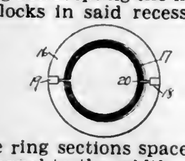


force of the pressure medium applied to the first piston face preponderates over that of the medium supplied to the second piston face to effect a stroke of the first valve in one direction when such medium is applied to the first chamber and to effect a stroke thereof in the other direction when said medium is exhausted from the first chamber; said means providing for continuous application of medium under pressure to the second chamber including a source of medium under pressure and first and second passages to afford communication between said source and the second chamber and said first passage providing for continuous communication between the source and the second chamber; means providing a restriction in said first passage; a third valve associated with the second passage; and means for opening said third valve during at least a part of the movements of the first valve required to open and close a port and including the port closing portion thereof.

2,080,840
CHUCK
Arthur M. Stoner, West Hartford, Conn., assignor to The Jacobs Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application April 27, 1936, Serial No. 76,510
1 Claim. (Cl. 279—62)

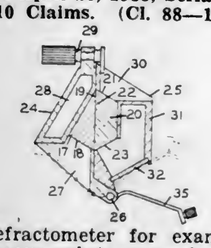
In an internally threaded actuating ring for a chuck, wherein the ring is formed of sections to facilitate assembly in a chuck body, and wherein material of the ring is removed by sawing or a like operation to form the ring in sections, means

to preserve the true circular form of the ring comprising diametrically opposite recesses in the body of the ring intercepting the line of saw cuts, and spacing blocks in said recesses for holding



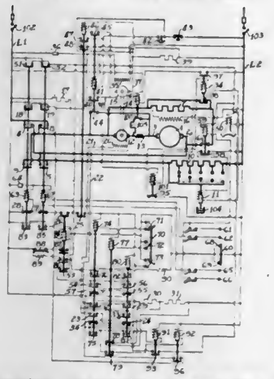
the ends of the ring sections spaced apart a distance exactly equal to the width of the material removed by the saw cuts thereby assuring the location of the threads of the ring sections in a true spiral.

2,080,841
REFRACTOMETER
Harold W. Straat, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 26, 1935, Serial No. 18,398
10 Claims. (Cl. 88—14)



1. In a refractometer for examining transparent or opaque substances a lower prism, an upper prism having a hypotenuse surface, an exit surface and an entrance surface, means for directing light through said lower prism, through a transparent substance, through said hypotenuse surface and through said exit surface and means for directing light through said entrance surface, and reflecting it from said hypotenuse surface out through said exit surface.

2,080,842
SLOW SPEED REGULATION OF AN ELECTRIC MOTOR
Ernest B. Thurston, Toledo, Ohio, assignor to The Haughton Elevator & Machine Company, Toledo, Ohio, a corporation of Ohio
Application February 28, 1934, Serial No. 713,315
9 Claims. (Cl. 172—152)

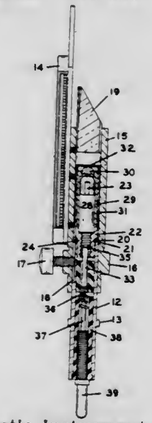


9. In elevator operating apparatus, a motor having a drooping characteristic, means to connect the motor with power lines for normal operation, a generator for supplying current to the motor for leveling operations, and means connecting the armature of the generator and a portion of the field thereof in series with the motor, and means for determining the bucking and boosting effect of such series field during normal operation and means for determining the effect of said field during leveling independently of its effect during normal operation.

2,080,843
METHOD OF MAKING INULIN
Le Roy S. Weatherby, Los Angeles, Calif., and Wray M. Rieger, Kirksville, Mo.
No Drawing. Application May 29, 1935, Serial No. 24,052
2 Claims. (Cl. 127—34)

1. In making inulin from a plant product, of the type of dahlia tubers, providing a source of inulin and associated impurities, the method which comprises subjecting the said product to an elevated temperature of the order of 80 to 150° C. and adapted to make the inulin and the said impurities readily separable from each other, and then separating the inulin from the said impurities.

2,080,844
DIAGNOSTIC INSTRUMENT
Carl H. O. Wittig, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application August 21, 1934, Serial No. 740,807
6 Claims. (Cl. 240—2.18)

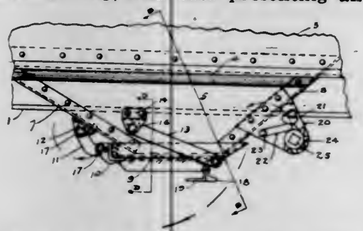


1. In a diagnostic instrument of the type described, an illuminating device comprising a tube, a lamp socket and means for rotatably fastening said socket in said tube, said means comprising an annular groove on said socket, an internal annular groove in said tube and a spring ring mounted in said grooves for holding said socket and said tube in assembled relation with said grooves in alignment.

2,080,845
DUMP CAR
Winfield Hancock Yost, Montreal, Quebec, Canada
Application August 5, 1936, Serial No. 94,345
8 Claims. (Cl. 105—253)

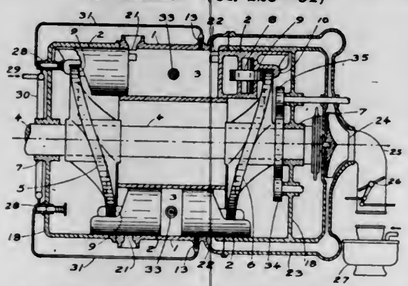
1. In a dump car, portions of which form a lading discharge-opening at the lower margins thereof, the combination of a door adapted to

close said opening, with means for moving the door into and out of closing relationship with the discharge-opening, said door presenting an up-



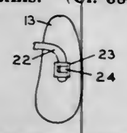
wardly flared lading seepage reception space exteriorly and laterally of said margins and in communication with the discharge-opening in the closed position of the door.

2,080,846
INTERNAL COMBUSTION ENGINE
Heraclio Alfaro, Cambridge, Mass.
Application June 3, 1933, Serial No. 674,198
29 Claims. (Cl. 123—51)



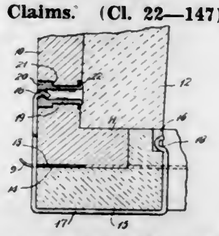
9. A barrel engine of the two cycle internal combustion variety having a drive shaft, a plurality of cylinders, two opposed pistons in each cylinder, and means for imparting movements to the pistons such that the pistons will first unmask an exhaust port, then an inlet port, then will mask said exhaust port and then will mask said inlet port, said means comprising cams interposed between opposed pistons and the drive shaft, said cams having angularly offset and substantially flat portions for causing retardation of the normal motion of the pistons at the end of each power stroke.

2,080,847
OPHTHALMIC MOUNTING
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application September 29, 1934, Serial No. 746,231
5 Claims. (Cl. 88—49)



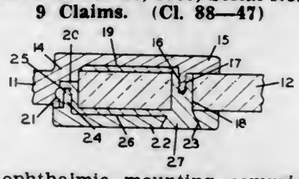
2. In an ophthalmic mounting, an elongated support apertured near its end, a nosepiece, a tubular member extending from the rear face of said nosepiece for loosely receiving said support and means on said member extending into said aperture to prevent withdrawal of said support from said member.

2,080,848
RING SECURING MEANS
Walter M. Charman, Cleveland Heights, Ohio
Original application July 21, 1933, Serial No. 681,541. Divided and this application November 15, 1935, Serial No. 49,935. In Canada May 28, 1934
6 Claims. (Cl. 22—147)



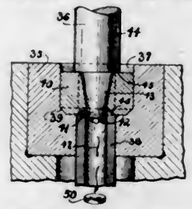
1. In a hot top, a casing, a bottom lining member covering the lower end of the casing, a clip for securing said lining member to the casing, and a metallic socket member mounted in said casing having an opening for the reception of said clip, said socket member being formed of a material different from that of said casing.

2,080,849
OPHTHALMIC MOUNTING
Gerhard A. Ellestad, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 27, 1935, Serial No. 13,308
9 Claims. (Cl. 88—47)



9. An ophthalmic mounting comprising two structurally independent straps positioned, respectively, on opposite surfaces of a lens having an opening adjacent its edge, means for securing said straps to each other and to the lens, said means comprising anchoring means on each of said straps adjacent to said opening and further anchoring means on each of said straps adjacent to the edge of the lens, and a fusible retaining means filling said opening and secured to all of said anchoring means.

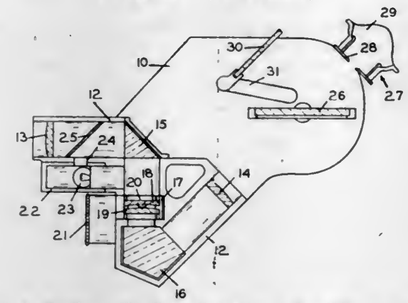
2,080,850
MANUFACTURE OF NUTS
Lee A. Frayer, Kent, Ohio, assignor to The Lamson & Sessions Company, Cleveland, Ohio, a corporation of Ohio
Application September 5, 1936, Serial No. 99,614
9 Claims. (Cl. 10—86)



1. In a method of making nuts, the steps of squaring the end faces of a blank by applying pressure thereto in a substantially cylindrical die

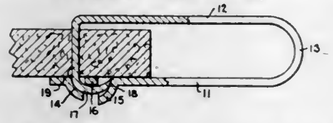
cavity and in the same operation forming a centering recess in the inner end face of the blank, transferring the blank to a polygonal die cavity with the ends of the blank reversed, and then partially piercing the blank by a punch engaging in the centering recess and thereby expanding the blank in the polygonal die cavity.

2,080,851
SEXTANT
George B. Gallasch and Henry F. Kurtz, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application May 28, 1935, Serial No. 23,885
4 Claims. (Cl. 240—2)



1. A device of the character described comprising a body, a telescope fixed on said body, an index reflector adjustably mounted on said body in the path of the light rays from said telescope, a bubble level fixed in said telescope, a source of light fixed to said body in spaced relation to the telescope axis and a transparent reflector fixed in said telescope on the axis thereof for directing light from said source to said bubble level.

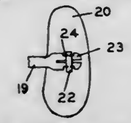
2,080,852
IDENTIFICATION TAG
Joseph Haas, Newport, Ky.
Application February 12, 1934, Serial No. 710,797
2 Claims. (Cl. 40—3)



2. An identification tag provided with a base portion, an upper member provided with a prong, a pair of semi-circular depressions in said base portion, said base portion forming a bridge central of said depressions, one of said depressions extending below said bridge the thickness of said prong, the other depression being of greater depth for reception of the end of said prong, said prong upon entering said first named depression being deflected into said second named depression, and means on said prong for limiting the depth said prong can enter said depressions.

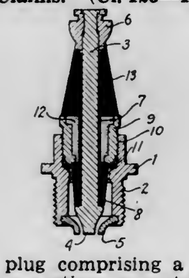
2,080,853
OPHTHALMIC MOUNTING
Otto F. Nelson, La Crosse, Wis., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 30, 1934, Serial No. 718,237
3 Claims. (Cl. 88—49)

1. An ophthalmic mounting comprising lens holding means, an arm secured to said means, the free end of said arm being split to form two spaced portions each of which is provided with a re-entrant portion, a nose engaging member having a loop projecting from its surface, said



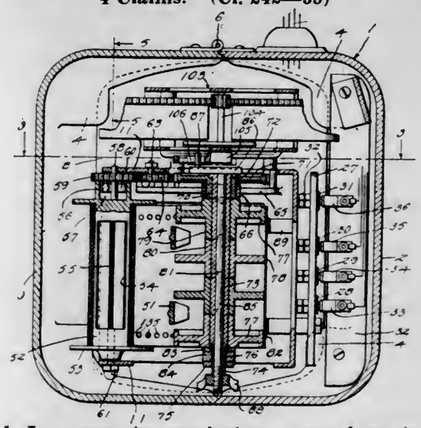
member being mounted on the arm with the loop encircling the said free end of the arm and with the sides of the loop loosely positioned within the re-entrant portions of the arm.

2,080,854
MICA-INSULATED SPARK PLUG
Otto C. Rohde, Toledo, Ohio, assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware
Application March 17, 1936, Serial No. 69,345
2 Claims. (Cl. 123—169)



1. A spark plug comprising a shell having a central holding portion, a central electrode, a mica cigarette surrounding the electrode, powder compacted between the cigarette and the holding portion of the shell, and self-sustaining insulating material surrounding the mica cigarette above and below the powder and in contact with the powder for a material distance outward from the cigarette.

2,080,855
RECORDING MECHANISM FOR TRAINS
Edward Stout, Burlington, Iowa; Alice Stout, executrix of said Edward Stout, deceased, assignor to Alice Stout, Burlington, Iowa
Application October 6, 1932, Serial No. 636,591
4 Claims. (Cl. 242—55)



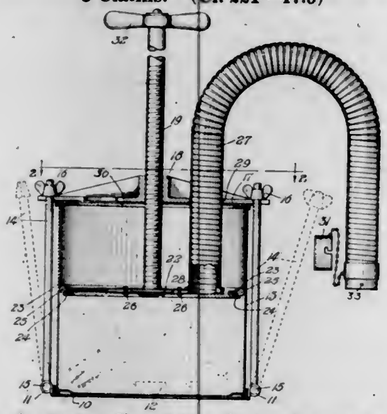
1. In a recorder employing a record receiving tape, and a driving unit, means for moving said

tape comprising a tape roll supporting shaft, a tape wind-up drum, a gear connected with said drum, a power shaft, means coupling the driving unit with the power shaft, a tubular shaft having the power shaft extending therethrough and coupled therewith, a gear on the tubular shaft coupled with said first gear, and a plurality of wheels upon and connected with the tubular shaft to turn therewith, said wheels having the tape passing over and engaging therewith to effect the unwinding of the tape from said roll.

2,080,856
DISPENSING APPARATUS

Charles E. Thomas, Minooka, Ill., assignor of one-half to Roy C. Gustafson, Chicago, Ill.

Application May 18, 1936, Serial No. 80,456
5 Claims. (Cl. 221—47.5)

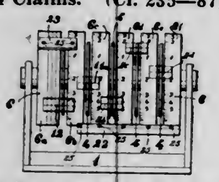


1. A grease dispensing device having a base for the reception of a standard grease can, upwardly extending rods pivotally connected to the base and having threaded upper ends, a cross-bar having openings for the reception of the upper ends of the rods, nuts on the ends of the rods for clamping a standard grease can between the base and the cross-bar, a plunger whose diameter is substantially equal to the inside diameter of a standard grease can, an upwardly extending delivery tube connected to the plunger above an opening through the plunger, there being a guiding opening in the cross-bar through which the delivery tube extends, and a screw-threaded ram extending through a threaded member in the center of the cross-bar for depressing the plunger to force the grease through the delivery tube.

2,080,857
CALCULATOR

Georges Baer, Paudex, Switzerland

Application July 27, 1935, Serial No. 33,585
In Germany August 9, 1934
4 Claims. (Cl. 235—87)

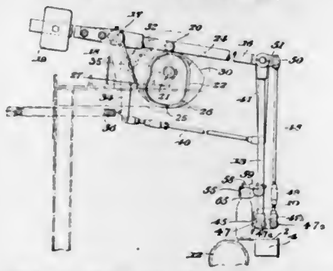


1. A calculator comprising a shaft, a member provided with factor scales and with a result scale loosely carried by said shaft, a plurality of setting members cooperating each with one of the factor scales and loosely mounted on said shaft, a result indicator cooperating with the result scale and rigidly connected to said shaft, a clutch for each setting member, said clutch including clutch elements normally connecting the members provided with the scales to the setting members, clutch elements adapted to connect the setting members to said shaft, and clutch operating means operative to simultaneously effect disengagement of the setting member from the scales carrying member and engagement of the setting member with said shaft.

2,080,858
LEHR STACKING OR FEEDING MECHANISM

Edgar Philip Dorman, London, England, assignor to The United Glass Bottle Manufacturers Limited, London, England, a British company

Application November 13, 1935, Serial No. 49,618
In Great Britain June 20, 1934
3 Claims. (Cl. 198—31)



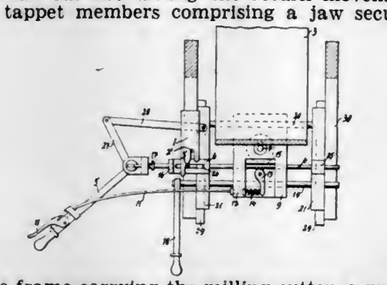
1. A lehr stacking mechanism for sweeping ware from a conveyor carrying ware transversely across a lehr entrance into a lehr, comprising a pair of downwardly depending bars, means for mounting the upper ends of said bars for swinging movement about a substantially horizontal axis positioned above and extending across the lehr entrance, a stacker bar extending transversely across the lehr entrance and having a surface for engaging the ware to be stacked, means for pivotally mounting said stacker bar on the lower ends of said depending bars, a third downwardly depending bar, means supporting the upper end of said third bar for pivotal movement about a spaced substantially horizontal axis parallel to and lying in substantially the same horizontal plane as the axis about which the upper ends of said pair of bars swing, a lever extending rearwardly from said stacker bar, means for pivotally connecting the lower end of said third bar to the free end of said lever to provide a four-bar linkage to maintain a constant position of said stacker bar relative to the vertical, means for adjusting the effective length of said third bar to vary the position of said stacker bar, and means for swinging said depending bars about their supporting axes.

2,080,859
DOVETAIL MILLING MACHINE

Otto Drapák, Arnošt Drapák, and Jindřich Drapák, Rochlitz, near Reichenberg, Czechoslovakia

Application December 3, 1934, Serial No. 755,806
In Czechoslovakia December 14, 1933
5 Claims. (Cl. 144—144)

1. A dovetail milling machine with a rotary cutter adapted to be guided by means of a template the profile of which corresponds to only one notch between two dovetails, comprising a frame, a rotating milling cutter mounted on said frame, a longitudinal bearer, a copying pin carried by the longitudinal bearer and adapted to follow the outline of the template, and tappet members by means of which the longitudinal bearer takes the milling cutter with it in its movement in one direction but not during the return movement, said tappet members comprising a jaw secured

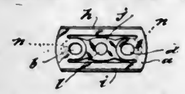


to the frame carrying the milling cutter, a member adapted to connect said bearer with said jaw so as to prevent relative movement between the bearer and the jaw in a longitudinal direction, a manually controlled element for actuating said member and moving the latter into engagement with said jaw, and means for automatically releasing said member from engagement with said jaw when the manually controlled element is released.

2,080,860
SAFETY RAZOR BLADE

Wilhelm Firneburg, Motherwell, Scotland, assignor to Clyde Blades Limited, Lanarkshire, Scotland

Application September 26, 1936, Serial No. 102,775
In Great Britain September 30, 1935
3 Claims. (Cl. 30—52)



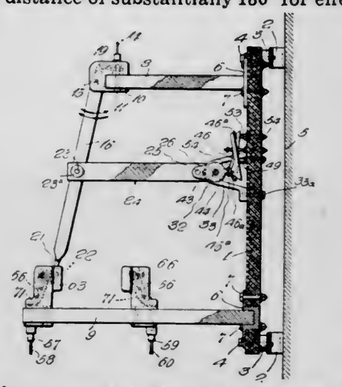
1. A laminar safety razor blade formed by two parts, one part comprising the two longitudinal edges, one or both of which is or are sharpened, and the two ends of the blade, and the other part comprising the centre of the blade which is buckled or otherwise distorted and then welded or otherwise secured to the first part at its ends.

2,080,861
HIGH FREQENCY ELECTRICAL SWITCH AND CONTACTOR SYSTEM

Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland

Application August 5, 1933, Serial No. 683,861
17 Claims. (Cl. 200—92)

7. A high frequency electrical switch and contactor system comprising a base, a pair of dielectric standards supported in spaced relation on said base, a fitting carried by one of said standards, a switch arm pivotally mounted in said fitting, contacts carried by the opposite end of said switch arm, a pair of contactors supported by the other of said standards and disposed in the path of the contacts on said switch arm, a corona shield including a pair of outwardly flared jaws forming a housing for each of said contactors, an insulated actuating arm pivotally connected with said switch arm, a crank having a pin pivotally connected with the other end of said insulated actuating arm, and means for driving said crank to an angular distance of substantially 180° for effecting



an angular movement of said switch arm from one of said contactors to the other.

2,080,862
INDIGOID VAT DYESTUFFS

Jaroslav Froehlich, Basel, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application December 11, 1936, Serial No. 115,446. In Switzerland December 31, 1935
5 Claims. (Cl. 260—53)

1. Indigoid vat dyestuffs containing in their molecule at least one alkoxy-alkoxy group.

2,080,863
ANTISEPTIC

Wilton C. Harden, Catonsville, Md., assignor to Hynson, Westcott & Dunning, Incorporated, Baltimore, Md., a corporation of Maryland

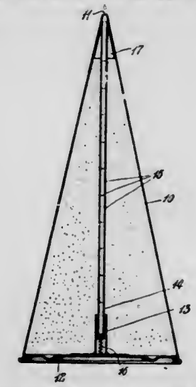
No Drawing. Application February 10, 1936, Serial No. 63,263
6 Claims. (Cl. 167—70)

1. An antiseptic agent for internal administration as a urinary antiseptic comprising a dihalogen substituted dihydroxy-benzoic acid.

2,080,864
INSECTICIDE SPRAYER

Harold Capron Hilts, Honolulu, Territory of Hawaii

Application June 7, 1935, Serial No. 25,501
9 Claims. (Cl. 43—146)



1. An insecticide duster comprising a container having a rigid base and a flexible resilient conical

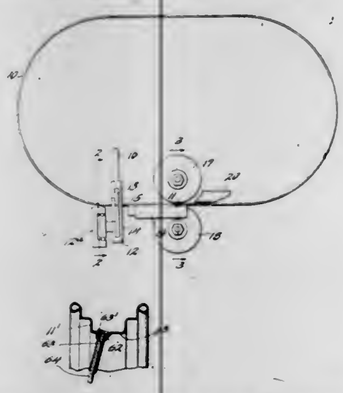
wall apertured at the apex thereof, a socket centrally mounted on said base plate, a rigid perforated tube having a conical collar at one end thereof fitting into said wall at the apex and fitting into said socket at the other end, and a spring reacting between said base plate and said tube to force said conical collar into the apex of said container.

2,080,865
ATTACHMENT FOR SERVING TRAYS
Lemuel L. Lassiter, Charlotte, N. C.
Application August 20, 1936, Serial No. 97,075
1 Claim. (Cl. 211—74)



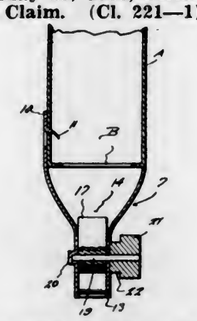
In an attachment for serving trays, the combination of a table member having a series of apertures of different sizes including several apertures of like size for holding glasses, and larger and smaller apertures at the ends of the table member for holding cups of condiments or the like, opposite spaced legs affixed to the under side of the table member, said legs having recessed portions adapted to releasably engage the rim of a standard serving tray, a sub-base extending between and connected to the respective legs and functioning both as a support for glasses inserted in the apertures in the table member and as a brace for the legs, substantially as shown.

2,080,866
METHOD OF FABRICATING BICYCLE RIMS
Edward J. Lobdell, Jr., Alma, Mich., assignor to The Lobdell-Emery Manufacturing Company, Alma, Mich., a corporation of Michigan
Application July 12, 1934, Serial No. 734,846
10 Claims. (Cl. 29—159.1)



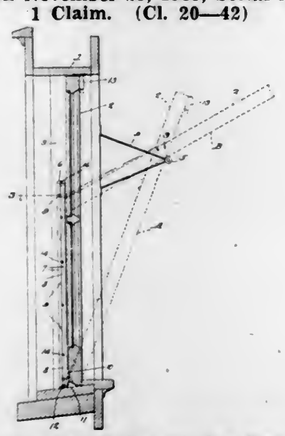
1. The method of fabricating a metallic rim for bicycle wheels which comprises securing together the ends of a relatively thin flat strip of ductile metal to form an endless band having the diameter of the finished wheel and thereafter expanding the outer marginal portions of said band by means of tapered dies applied simultaneously in opposite directions.

2,080,867
VALVED DISPENSING DEVICE
Glendon R. Mast, Terre Haute, Ind.
Application May 29, 1936, Serial No. 82,657
1 Claim. (Cl. 221—1)



A hood-like dispensing cap for a conventional carton of a type containing granular material comprising a substantially rectangular hopper proportioned for attachment to a correspondingly proportioned and shaped box, said hopper being formed with a reduced integral discharge nozzle at one end, being formed at the opposite end with wall extensions at its opposite side and rear walls adapted to embrace three sides of said box, the remaining wall of the hopper being unobstructed for slidably inserting the carton transversely, and a retention spur struck from the rear wall extension designed to pierce the wall of the box to maintain the box against removal from the open side of the hopper.

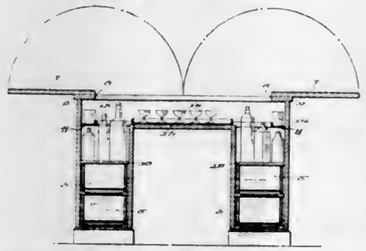
2,080,868
WINDOW SASH
Jess Mayes, Buda, Tex.
Application November 25, 1935, Serial No. 51,515
1 Claim. (Cl. 20—42)



The combination with a window frame having a sill and guide members secured along the sides of the frame, of a sash adapted to close the frame, said sash normally resting upon and adapted to tilt outwardly on the sill, cooperating means on the frame and on the sash at its lower end for slidably connecting the sash and frame, said means including guide plates on the frame having longitudinal slots, stems on the sash slidable in the slots, means on the stems for holding them in the slots, means for fastening the sash in the frame, there being spaced notches in the slotted guides for engagement by the stems to support

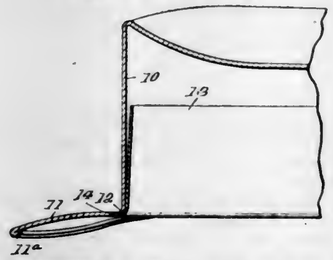
one end of the sash when in different open positions, and means supported away from the frame for limiting the outward movement of the sash while supported on and tilted outwardly relative to the sill and for supporting the sash in position for sliding movement toward or from the frame and in any one of a series of different inclined positions, said means including spaced, fixed brackets adjacent to the sides of the sash, and supporting elements on the brackets in the path of the sash when swung on the sill and under the sash when raised from the sill.

2,080,869
DESK-BAR
Frederick W. McNeely, Sr., Evansville, Ind.
Application October 22, 1935, Serial No. 46,177
2 Claims. (Cl. 312—163)



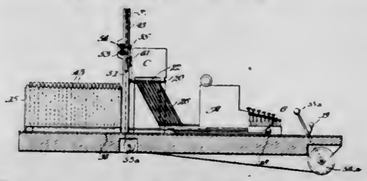
1. A cabinet of the character described comprising a top compartment extending approximately throughout the length of the cabinet with a bottom for the mid-portion spaced an appreciable distance below the top of said compartment for the reception of glasses therein and said bottom being spaced above the bottom of the end portions of said compartment, said end portions being substantially deeper than the mid-portion to receive bottles, a top for the compartment having a doorway therein provided with a closure, and shelves extending along the walls of the end portions approximately in horizontal alignment with the bottom for the mid-portion and extending inwardly only partway across said end portions.

2,080,870
HAT
Leslie W. Moses and John F. Duerr, Baltimore, Md., assignors to M. S. Levy & Sons, Inc., Baltimore, Md., a corporation of Maryland
Application December 4, 1935, Serial No. 52,893
1 Claim. (Cl. 2—184)



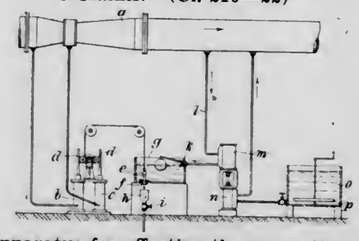
A hat comprising a crown and a brim joined by an integral portion, an imperforate hat sweat having the lower edge thereof skived and disposed at the integral portion joining the crown and the brim, said skived portion tapering to a sharp edge so that the outer face of the said skived portion is in alignment with the under face of the brim when the hat sweat is united to the hat, and a layer of cement disposed between the inner face of the skived portion and the integral portion joining the crown and the brim for firmly and intimately uniting the hat sweat to the hat.

2,080,871
BOOKKEEPING MACHINE
William I. Nicholson, Jr., Tulsa, Okla.
Application May 21, 1934, Serial No. 726,817
10 Claims. (Cl. 197—1)



1. In a machine of the class described, a recorder, means for removing a selected record holder from a group of holders and for moving the same into cooperative relation to the recorder, said group of holders being movable relative to said means for bringing a selected holder into cooperative position relative to said recorder.

2,080,872
METHOD OF AND APPARATUS FOR ADDING REAGENTS TO LIQUIDS
William Paterson, London, England
Application January 19, 1934, Serial No. 707,405
In Great Britain January 30, 1933
6 Claims. (Cl. 210—22)

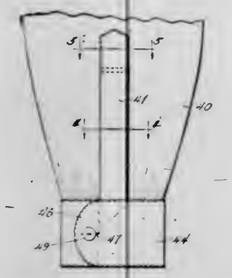


1. Apparatus for effecting the proportional addition of a reagent to a flowing liquid, comprising a main conduit through which said liquid flows, a pressure operated hydraulic motor, conduits joined to said motor for delivering liquid under pressure thereto and liquid therefrom, means controlled by the rate of flow through said first mentioned conduit for controlling the rate of flow through said conduits connected to said motor in proportion to the rate of flow through said main conduit a feeding device operated by said motor for delivering reagent to the liquid flowing through said main conduit and means for determining at any time the rate of reagent feed to the main body of liquid, that comprises a device for measuring the discharge through the hydraulic motor.

2,080,873
REVERSIBLE CUFF
Benjamin H. Pearse, San Antonio, Tex.
Application May 14, 1935, Serial No. 21,425
4 Claims. (Cl. 2—123)

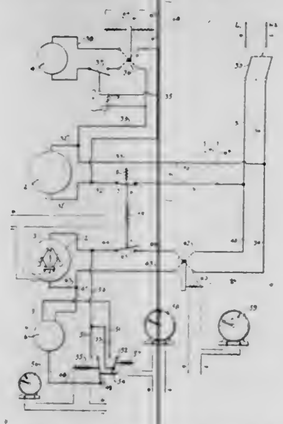
1. In combination with a reversible split sleeve, substantially identical overlapping facing strips

on the placket edges; and a reversible barrel cuff hinged on its longitudinal median line around the sleeve to expose the same dress face when the sleeve and cuff are reversed, one end of the cuff



terminating adjacent to one side of the placket facings and the other end of the cuff presenting a fastening tab extending beyond the placket facings.

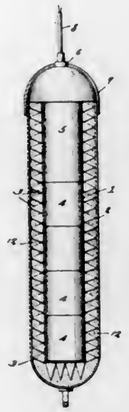
2,080,874
ELECTRICAL CONTROL FOR CENTRIFUGAL SEPARATING MACHINES
Joseph S. Pecker, Philadelphia, Pa., assignor to American Centrifugal Corporation, New York, N. Y., a corporation of Delaware
Application December 26, 1934, Serial No. 759,302
36 Claims. (Cl. 210—72)



1. In a centrifugal extractor for sewage sludge and other material, in combination, a centrifugal basket, a low speed electric motor for driving said basket at low speed, a high speed electric motor for driving said basket at normal extracting speed, an over-running clutch between the low speed motor and the basket, a source of current supply for said motors, and interlocked switches in the circuits of said motors and controlling their operation.

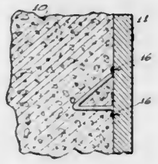
2,080,875
METHOD OF AND MEANS FOR TREATING WELLS
Mose B. Pitzer, Monahans, Tex.
Application March 10, 1936, Serial No. 68,098
11 Claims. (Cl. 166—21)

1. The herein described method of increasing the flow of a well which includes the steps of inserting a treatment fluid, and then breaking up



the wall of the well adjacent to the fluid by firing solid substances thereinto.

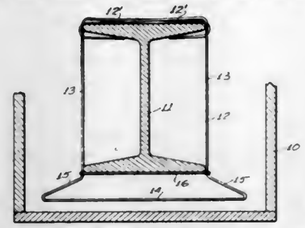
2,080,876
SUPPORTING AND ANCHORING MEANS FOR WIRE LATHING
George H. Reed, Chicago, Ill., assignor to Universal Form Clamp Co., Chicago, Ill., a corporation of Illinois
Application October 15, 1936, Serial No. 105,642
6 Claims. (Cl. 72—118)



1. In a device of the class described for anchoring a facing to a wall, a plurality of hollow anchor members adapted to be embedded in the wall and having open ends substantially flush with the face of the wall, tie bands insertable into said anchor members and projecting beyond said face, means for locking said tie bands in said anchor members at any point lengthwise of the latter, clips on the projecting portions of said tie bands, reinforcing bars seated on said clips, and fastening means cooperating with said reinforcing bars for attaching the latter to the facing.

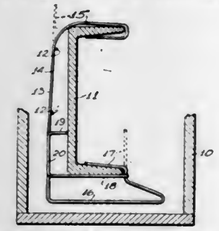
2,080,877
CONCRETE REENFORCING MEANS
George H. Reed, Chicago, Ill., assignor to Universal Form Clamp Co., Chicago, Ill., a corporation of Illinois
Application October 15, 1936, Serial No. 105,643
3 Claims. (Cl. 72—109)

1. A concrete reenforcing clip of the class described, comprising an individual wire structure adapted to be mounted on an embedded structural member and comprising a pair of upright limbs spanning the vertical height of said structural member and at their upper ends suspended from said member, a straight transverse limb underlying and spaced from the bottom of said structural member and projecting beyond the sides of the latter, and limbs connecting the ends of said



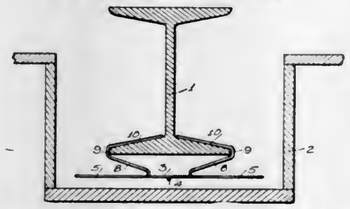
transverse limb with the lower ends of said upright limbs.

2,080,878
CONCRETE REENFORCING MEANS
George H. Reed, Chicago, Ill., assignor to Universal Form Clamp Co., Chicago, Ill., a corporation of Illinois
Application October 15, 1936, Serial No. 105,644
5 Claims. (Cl. 72—109)



3. A concrete reenforcement of the class described adapted to be mounted on an embedded structural member and comprising a reenforcing rod extending lengthwise of said structural member, and a plurality of spaced clips secured to and crosswise of said rod, each of said clips having parts engaged with the top and bottom portions of said structural member, parts located opposite to but out of contact with the bottom and a side of said structural member, and parts contacting with said bottom and side of the structural member and spacing said second named parts from said bottom and side.

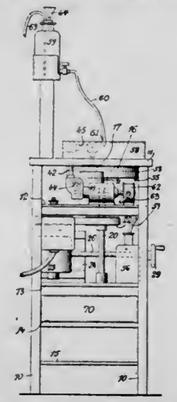
2,080,879
REENFORCING MEANS FOR CONCRETE
George H. Reed, Chicago, Ill., assignor to Universal Form Clamp Co., Chicago, Ill., a corporation of Illinois
Application October 15, 1936, Serial No. 105,645
5 Claims. (Cl. 72—109)



1. A concrete reenforcing clip for attachment to a structural shape comprising a single piece of wire bent to form a pair of divergent arms located in substantially a single plane, the outer ends of said arms having extensions bent to form a pair of spacing and attaching hooks adapted to engage respectively over opposite edges of the

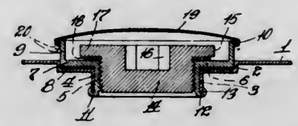
shape, said divergent arms having a substantially greater span widthwise of the shape than said hooks whereby said arms project laterally beyond the side edges of the structural shape.

2,080,880
POLISHING MACHINE
Friedrich Schenk, Jamaica, N. Y., assignor to E. Leitz, Inc., a corporation of New York
Application December 10, 1935, Serial No. 53,709
5 Claims. (Cl. 51—131)



2. A polishing machine including a framework, a table top thereon having an opening, a polishing disk, a main shaft for detachably supporting the disk within said opening, a work holder, a motor for rotating the same, driving connections between the motor and the work holder, supporting means enclosing said driving connections, and capable of being moved vertically and horizontally to place the work holder into and out of operative relation to the polishing disk without disconnecting the work holder from the said motor and a second motor for rotating the said main shaft.

2,080,881
PLUG SEALING MEANS FOR METALLIC CONTAINERS
Louis B. Wackman, St. Louis, Mo., assignor to American Flange & Manufacturing Co., Inc., Chicago, Ill., a corporation of Illinois
Application February 6, 1929, Serial No. 337,815
2 Claims. (Cl. 220—39)

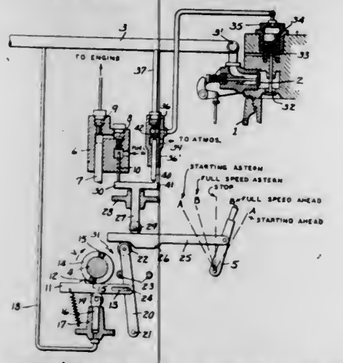


1. A fitting for a container comprising a bushing having an interiorly threaded part and an annular wall disposed outwardly of the threads of said part, said wall having a laterally extending annular lip on its extending end, a plug cooperable with said threaded part of the bushing having its top wall disposed on a plane inwardly of the lip and its wrenching end spaced from said annular wall for permitting wrench engagement over the perimeter of the wrenching end of the plug, and a cap having a skirt mounted over the extending end of said annular wall and having its skirt contracted over the lip.

2,080,882
REVERSING GEAR FOR INTERNAL COMBUSTION ENGINES

Heinrich Wälti, Winterthur-Wulflingen, Switzerland, assignor to Sulzer Freres Societe Anonyme, Winterthur, Switzerland

Application July 18, 1934, Serial No. 735,816
In Switzerland July 22, 1933
4 Claims. (Cl. 123—41)

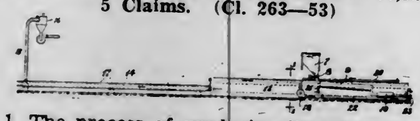


3. A reversing gear for internal combustion engines comprising a device for controlling the fuel supply to the engine, a member for actuating said device manually movable to cut off said fuel supply, a cam on said member, a latch for holding said member in such position, means for tripping said latch comprising a circular member adapted to be rotated by the engine, a laterally-movable member connected to said latch, lugs on said circular member and said laterally-movable member adapted to be brought into coaction by frictional engagement of said circular member and said laterally-movable member upon the reversal of rotation of said engine to move said member laterally and trip said latch, and means for causing said laterally-movable member to bear frictionally against said circular member prior to the operation of reversing the engine, said manually-movable member being interposed between said latch and a part of the device for controlling the fuel supply to the engine, the cam of said manually-movable member, upon operation of said member, to reverse the engine, cooperating with a part of said latch to cause the manually-movable member to operate said control device to cut off the supply of fuel to the engine.

2,080,883
PRODUCTION OF LIME FROM OYSTER SHELLS

Albert B. Wood, New Orleans, La.

Application May 5, 1936, Serial No. 77,921
5 Claims. (Cl. 263—53)

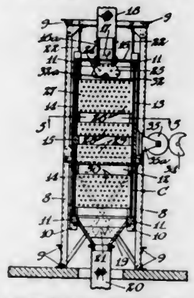


1. The process of producing lime from oyster shells which comprises finely comminuting the shells, delivering the comminuted shells to a fuel and flame stream confined in an extended passage of relatively small area, the size of the particles and the velocity of the fuel and flame stream and of the resultant gases being such that the particles are carried in suspension, the heat being sufficient to break down the calcium carbonate into caustic lime and carbon dioxide but below the melting point of caustic lime and the length of travel being sufficient to complete such reaction in space, controlling the heat to prevent over or under burning of the particles of caustic lime, and delivering the said particles in suspension to a mechanical separator wherein the caustic lime is separated from the gases.

2,080,884
APPARATUS FOR TREATING FLOUR AND THE LIKE

Edwin F. Anderson, Buffalo, N. Y., assignor to Pillsbury Flour Mills Company, Minneapolis, Minn., a corporation of Minnesota

Application May 31, 1934, Serial No. 728,260
3 Claims. (Cl. 259—2)

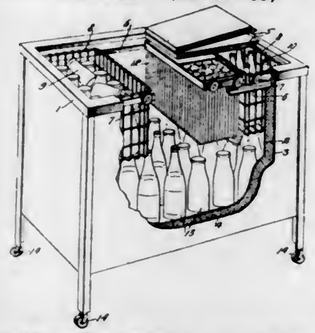


1. In apparatus for treating finely divided material, an upright casing defining a treating chamber having smooth interior walls, said casing having a material inlet at one end thereof and a material discharge at the opposite end thereof, means for bodily shaking said casing, and a series of diffusing and deflecting rods traversing the interior of said casing and mounted for shifting movement relative to said casing and shifted by the bodily shaking movement of said casing, said rods having smooth rounded peripheral surfaces and being mounted in smooth mounting plates whereby through the bodily shaking of said casing and the relative movement of said rods no material will lodge within said treating chamber.

2,080,885
COLD STORAGE CABINET

George W. Cocks, Upper Montclair, N. J.

Application October 29, 1934, Serial No. 750,561
2 Claims. (Cl. 62—89)

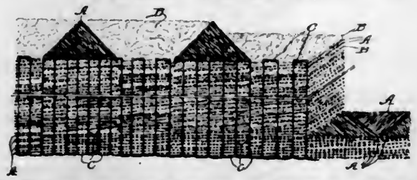


2. A cold storage cabinet comprising an insulated box having an open top and closed sides and bottom forming an insulated space for articles to be cooled, a plurality of horizontally movable receptacles mounted above the bottom of said box for carrying food products and the like, horizontally movable refrigerant receptacles each containing refrigerating coils and each mounted between two of the food receptacles, said receptacles being mounted to leave a lower storage space in said box beneath said receptacles, said receptacles being movable substantially parallel to the bottom of said box, flexible tubes connected to said refrigerating coils and means for connecting said tubes to a source of refrigeration outside said box, the aggregate length of said receptacles being less than the length of the top of said box to permit selective horizontal movement of said receptacles to expose any desired portion of the lower storage space of said box, and top covering means providing access to said box.

2,080,886
UPHOLSTERY PADDING

Del Roy F. Fowler, Melrose Park, Pa.

Application May 24, 1935, Serial No. 23,206
4 Claims. (Cl. 154—54)

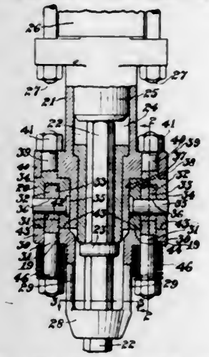


2. Upholstery padding comprising a multiplicity of thin veils of dry carded relatively stiff and resilient fibres interspaced with a multiplicity of veils of a dry carded fibre of a more flexible and less elastic nature, each veil in the structure of the padding being so disposed therein as to have overlapping portions in which the fibres will lie at an angle to each other and said veils of the more flexible and less elastic fibre being of substantially the same breadth as those of the stiffer and more elastic fibre and so disposed in the make-up of the padding that each veil of the more flexible and less elastic fibre will, in effect, form a backing for a veil of the stiffer and more elastic fibre throughout substantially the entire breadth of the veil of the stiffer and more elastic fibre.

2,080,887
IMPLEMENT RETAINER

George H. Fuehrer, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application April 2, 1936, Serial No. 72,333
2 Claims. (Cl. 121—32)

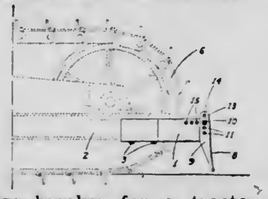


1. In a steel retainer for rock drills, the combination of a front head and a working implement in the front head, detachable bearings secured to the front head, a retainer for retaining the working implement in the front head, seating surfaces on the bearings for the retainer, means connected pivotally to the bearings to support the retainer in the retaining and releasing positions, and interlocking portions on the said means and the bearings to prevent lateral movement of the said means with respect to the bearings.

2,080,888
RIDGE BREAKER

Fred W. Hintz, Lodi, Calif.

Application April 21, 1936, Serial No. 75,567
3 Claims. (Cl. 280—160)

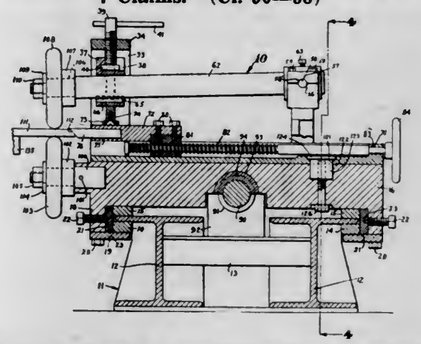


1. A ridge breaker for a tractor having a ground engaging track, comprising a pair of spaced arms adapted for attachment to the tractor adjacent the ground engaging track and to project ahead of same on opposite sides thereof, a ridge breaker plate, spaced flanges formed on and extending rearwardly from the plate, said flanges having a vertical row of holes formed therein; the arms at their forward end having a hole formed therein to selectively register with corresponding holes in the flanges, bolts extending thru corresponding holes in the flanges and the adjacent holes in the arms, a projecting ear formed on one of said flanges, said ear having a hole formed therein, the adjacent arm having a row of holes formed therein and one of which will register with the hole in the ear when the plate is raised to a substantially horizontal position and regardless of the vertical adjustment thereof, and a bolt for engagement in matching holes.

2,080,889
METALWORKING MACHINE

John Huber, Los Angeles, Calif., assignor to United Concrete Pipe Corporation, Los Angeles, Calif.

Application March 24, 1936, Serial No. 70,625
7 Claims. (Cl. 90—38)



1. In a planer, a movable carriage, a support adapted to engage a work plate and adjacent the movable carriage, means on said carriage and adapted to engage the under side of one edge of

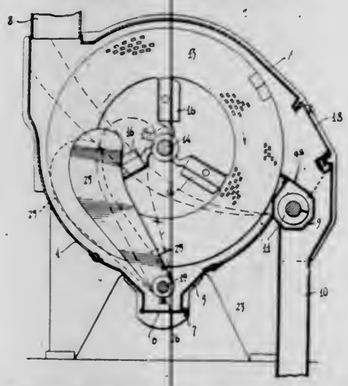
a plate on the support, an elongated bar on said carriage, a second plate engaging means on the end of said bar, and disposed to engage the top of a plate on the support, pivot means on the end of said bar remote from said plate engaging means for supporting said bar, a cutter member mounted on said carriage adjacent one of said means, and means to move said carriage.

2,080,890

GRAIN SEPARATOR

Charles C. Ingraham and John J. Varusky, Minneapolis, Minn., assignors to Hart-Carter Company, Peoria, Ill., a corporation of Delaware

Application October 11, 1935, Serial No. 44,545
9 Claims. (Cl. 209—96)



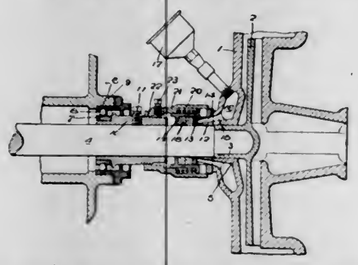
1. The combination with a container for material to be separated, of a plurality of pocketed separating discs working rotatably therein and provided with means for feeding stock progressively past the same, of retarding devices associated with the discs and located in the lower portion of said container for retarding the flow of stock through said container, and means for maintaining separation of particles lifted by the pockets of the discs from particles rejected by said pockets, said retarding devices being spaced from said discs and from the wall of said container.

2,080,891

PACKING FOR CENTRIFUGAL PUMPS AND THE LIKE

Oystein Jacobsen, Dayton, Ohio, assignor to The Duriron Company, Inc., a corporation of New York

Application August 11, 1936, Serial No. 95,484
2 Claims. (Cl. 286—7)



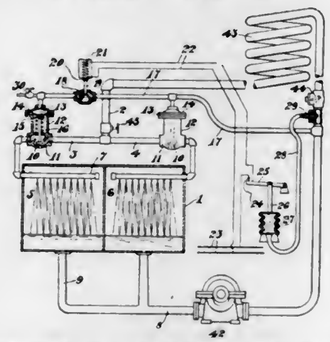
1. In combination, a bearing member, a shaft having a running fit therein, and packing means for preventing leakage along the shaft outward of the bearing comprising a collar free to rotate on the shaft with two thrust faces transverse to the axis of the shaft one of which engages the end face of the bearing, a washer on the shaft engaging the other thrust face of the collar, a gland on the shaft forward of the washer having a cavity for packing in opposition to the washer, packing in the gland engaging the washer, a sleeve surrounding the gland movable longitudinally thereof, spring means between the sleeve and gland arranged so that a movement of the sleeve longitudinally of the shaft toward said bearing compresses the spring and causes the gland to compress the packing against the washer, a collar on the shaft outward of said sleeve secured to the shaft so as to rotate therewith, a connection between the sleeve and said last collar permitting the adjustment of the sleeve longitudinally thereof, and means on the bearing for supplying lubricant to the two thrust faces of the first mentioned collar.

2,080,892

CONTROLLING MEANS FOR REFRIGERATING APPARATUS

John Kirgan, Easton, Pa., and George H. Woodard, Phillipsburg, N. J., assignors to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application October 24, 1934, Serial No. 749,704
12 Claims. (Cl. 62—152)



7. Refrigerating apparatus comprising an evaporator having chambers to receive a refrigerant, inlet members to admit refrigerant to the chambers, a discharge conduit connected to the chambers, means dependent upon the discharged refrigerant to control said inlet members, and additional means dependent upon the temperature of the discharged refrigerant for separately controlling one of said members.

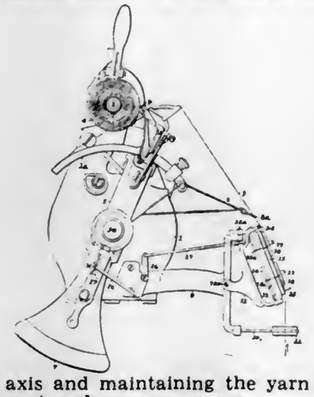
2,080,893

TENSION MEANS FOR WINDING MACHINES

Frederick Klein, Glen Rock, N. J., assignor to Sipp-Eastwood Corporation, Paterson, N. J., a corporation of New Jersey

Application May 15, 1936, Serial No. 79,844
3 Claims. (Cl. 242—150)

1. The hereindescribed mechanism for tensioning lengthwise travelling yarn including, with supporting structure, a yarn-support pivotally movable thereon, and pressure means normally urged and confined to the support to move in a straight line extending through, and crossing the pivoting axis of, such support and coactive with the latter to grip the portion of the yarn extending between them, said mechanism having yarn guiding means offset from each other lengthwise



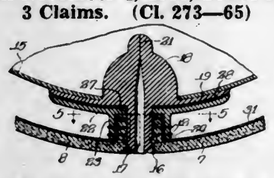
of said axis and maintaining the yarn between said support and pressure means.

2,080,894

INFLATABLE BALL

David Levinson, Chicago, Ill.

Application November 4, 1936, Serial No. 109,077
3 Claims. (Cl. 273—65)



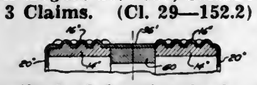
1. An inflatable ball comprising a sectional cover having inwardly projecting seams, an anchor position on and secured to one of said seams, said anchor being shaped to provide a channel straddling said seam and a flexible disc projecting laterally from the inner edge of said seam, substantially parallel with and spaced from the cover, said anchor and seam being provided with aligned openings, a bladder positioned within the cover and provided with an inflation valve and a nipple extending slidably into said aligned openings, a disc secured to said bladder around said nipple, and means for detachably securing said disc to said anchor to retain said nipple in said openings in accessible position for inflation purposes, said anchor disc being substantially conformable under bladder pressure to the contour of said cover.

2,080,895

METHOD OF MAKING BRAKE DRUM AND DRUM SEAL

Emil A. Nelson, Lansing, Mich., assignor to Motor Wheel Corporation, a corporation of Michigan

Application August 20, 1934, Serial No. 740,597
3 Claims. (Cl. 29—152.2)



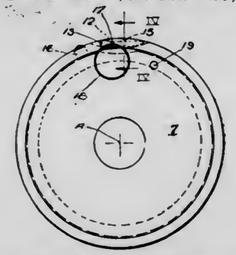
1. The method of forming brake drum rings including the steps of forming a strip of sheet metal into a cylindrical band having radially directed annular flanges at opposite ends thereof, inserting a removable filler element into said band midway between the ends thereof, casting a metal liner into said band, removing said filler element, then severing said band midway between its ends to form a pair of brake drum ring members, each having a sheet metal portion projecting axially beyond the corresponding end of said liner, and then forming said projecting portion to provide a sealing element.

2,080,896

HAND GRENADE

Thomas A. O'Leary, Pittsburgh, Pa.

Application August 19, 1936, Serial No. 96,728
4 Claims. (Cl. 102—26)



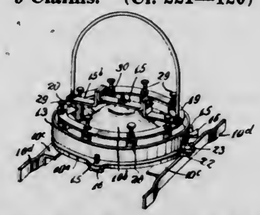
1. A hand grenade comprising a hollow shell of discus like shape having a detonating element mounted therein, a firing member also mounted in the shell adapted, when released, to strike the detonating element, and arranged so that in cocked position it can be held in that position by the throwing hand of the thrower, and a finger or hand grip for the thrower comprising a pair of members in opposition adjacent the periphery of the shell projecting laterally from the side walls thereof and having a location relative to the firing member such that when the fingers of one hand of the thrower grip said members, the thumb of the hand may engage the firing member and hold it in cocked position until the device is released by the thrower.

2,080,897

PLANTING DEVICE

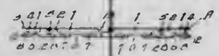
Domingo Olivares, Agua Dulce, Tex.

Application December 16, 1936, Serial No. 116,104
9 Claims. (Cl. 221—120)



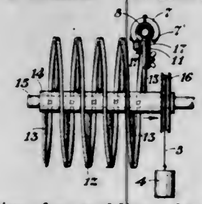
1. A planting device comprising a body for attachment on a cultivator or the like farming device and having a horizontal annular wall portion with a plurality of openings, tubes depending from said wall portion and connecting with said openings and extending downwards to near the ground, an annular container superimposed on said annular wall, seed control elements resting on said annular wall and cooperative with said openings and extending out between said annular wall and container body, means for clamping said container body down upon seed control elements, a vertical drive shaft rotatively supported on said body, a ring supported on said shaft and extending over said annular wall portion, and fingers mounted on said ring and extending down into said container and over said openings in said annular wall portion.

2,080,898
VENTILATED PISTON RING
Harold P. Phillips, Maplewood, Mo.
Application December 4, 1933, Serial No. 700,805
16 Claims. (Cl. 309—45)



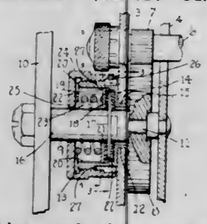
1. A piston ring having spaced arcuately shaped ventilating recesses and vertically spaced outer facial channels, the upper of said channels being continuous, the lower of said channels being spaced circumferentially of the ring, separated at adjacent ends by the ventilating recesses and communicating with said recesses.

2,080,899
METHOD AND APPARATUS FOR MOLDING GLASS TUBING
Marcello Pirani, Berlin-Wilmersdorf, and Adolf Fehse, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application May 4, 1932, Serial No. 609,218
In Germany May 6, 1931
4 Claims. (Cl. 49—7)



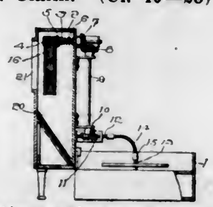
1. A machine for molding glass tubing comprising an oven, a mold, said oven being in operative relation to the glass tubing at that part of said tube tangent to said mold and adapted to heat said glass tubing to its softening temperature, said tube being fastened to said mold, said mold being adapted for rotational movement, means for exerting an invariable force to rotate said mold and means to support that part of said tubing out of contact with said mold, said last mentioned means permitting the movement of said tubing only in a direction toward said mold.

2,080,900
FISHING REEL
William Shakespeare, Jr., Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich.
Application May 9, 1936, Serial No. 78,746
8 Claims. (Cl. 242—84.5)



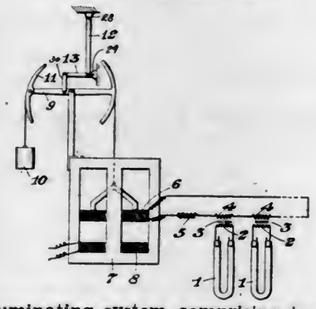
1. In a fishing reel, the combination with a frame including a chambered head having an opening in its outer wall, of a spool, a crank provided with a shaft disposed through said opening and having driving connection with said spool, a supporting spindle for said shaft on the inner wall of said head, an outwardly projecting cup-shaped collar mounted in said opening in said outer wall, a brake disk splined to said shaft, a brake disk splined to said collar, friction means interposed between said brake disks and between the brake disk splined to said shaft and the inner end of said collar, a cup-shaped adjusting member threaded upon said collar and having an opening receiving said shaft, a spring interposed between the end of said adjusting member and said brake disk splined to said collar, and a stop limiting the rotative movement of said adjusting member.

2,080,901
APPARATUS FOR SHOWING PICTURES
Hideaki Takahashi and Masanori Nagatsuka, Tokyo, Japan
Application October 21, 1935, Serial No. 45,856
In Japan October 26, 1934
1 Claim. (Cl. 40—28)



In combination with a gramophone having a rotary turntable shaft; a card discharging device comprising a supporting shaft, a series of cards loosely mounted upon said supporting shaft, each of said cards having an opening extending in a direction different from that in which the opening of an adjacent card extends, a pin mounted upon one end of said supporting shaft and rotatable therewith, said pin fitting into the opening formed in any one of said cards in a predetermined position of said supporting shaft, means pressing said cards toward said pin, and means connecting said supporting shaft with the turntable shaft of the gramophone and transmitting the rotation of the latter to said supporting shaft, whereby due to the rotation of said pin, said cards are caused to drop one by one from said supporting shaft.

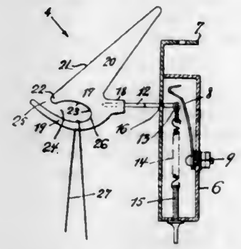
2,080,902
GASEOUS ELECTRIC DISCHARGE METAL VAPOR LAMP DEVICE
Willem Uyterhoeven, Cornelis Verburg, and Martinus van Dam, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application September 18, 1934, Serial No. 744,470
In Germany September 29, 1933
1 Claim. (Cl. 176—124)



An illuminating system comprising in combination, a plurality of electric discharge vapor lamps connected in series, a current source for

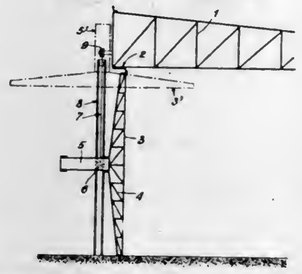
said devices and a current regulator responsive to changes in ambient temperature connected in said system between said current source and said lamps, said current regulator comprising a thermal responsive means controlling a current variator means.

2,080,903
TENSION LEVER FOR ELECTRIC STOP MOTIONS
Michael Wachsman, Brooklyn, N. Y.
Application February 21, 1936, Serial No. 65,009
1 Claim. (Cl. 66—163)



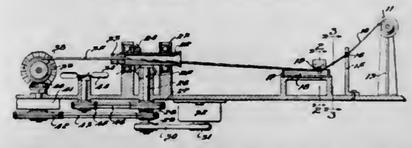
A tension lever for stop motions for knitting machines comprising a unitary porcelain body which is formed with a rearwardly extending hub portion adapted to be secured to a wire stem, a forwardly extending yarn supporting finger portion and an integral portion overhanging said finger portion to form a yarn enclosure above the finger with an entrance for the yarn at the finger tip, said overhanging portion being materially thinner than the said hub and finger portions and rising from the latter to form an upstanding triangularly shaped guard member, the uppermost point of which extends rearwardly beyond the said hub portion, the forward edge of said guard member being downwardly inclined toward the said yarn entrance.

2,080,904
TILTING DOOR
Edmond Wanner, Geneva, Switzerland
Application December 20, 1935, Serial No. 55,323
In Switzerland May 17, 1935
3 Claims. (Cl. 20—19)



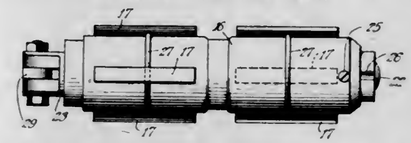
1. A tilting door for a door opening with side posts spaced a distance apart and a door header, having a transverse reinforcing girder secured upon said door intermediate the top and bottom edges thereof, said door, when open, being raised in horizontal position beneath the door header so that said header is disposed within one of the two dihedrons formed by said door and said reinforcing girder and said top and bottom edges of the door are free.

2,080,905
THREAD ELEMENT AND PROCESS AND APPARATUS FOR MAKING IT
Floyd E. Bartell, Ann Arbor, Mich., assignor to G. E. Wilder, William A. Defnet, Sherwood Field, J. Hugo Smith, Frank MacKenzie, Yellott F. Hardcastle, D. Kenneth Laub, Duncan J. McNabb, and Stanley V. Laub, all of Detroit, Mich.
Application January 20, 1936, Serial No. 59,831
6 Claims. (Cl. 117—2)



1. The method of manufacturing a thread-like element which comprises treating a plurality of filaments of cellulose esters with a gelatinizing solution to soften the filaments, assembling the filaments, applying rotary sliding forces tending to twist the filaments while maintaining them under tension, and then causing evaporation of the solution.

2,080,906
PIPE ALIGNING TOOL
Earle G. Boyer, Philadelphia, Pa., assignor to Hannifin Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application February 28, 1935, Serial No. 8,707
7 Claims. (Cl. 113—102)

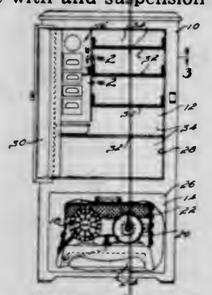


7. A tool for holding sections of pipe or the like in welding alignment comprising in combination a holder smaller in size than and adapted to extend longitudinally through the pipe sections adjacent their point of juncture, two separate sets of gripping jaws carried by said holder and adapted respectively to grip adjoining sections of pipe or the like and hold the same in alignment, said sets of jaws being spaced apart so as to grip said sections a substantial distance from the juncture between said sections so as to be protected from the welding heat, and means for simultaneously actuating said sets of jaws to grip said sections respectively, said means being constructed and arranged to hold each set of jaws against shifting relative to said holder thereby maintaining the alignment of said sections.

2,080,907
SHELF SUPPORT
John C. Buchanan, Detroit, Mich., assignor to Norge Corporation, a corporation of Michigan
Application August 13, 1934, Serial No. 739,592
1 Claim. (Cl. 211—147)

In a refrigerator cabinet, the combination of a plurality of means disposed in the inner walls of said cabinet and extending therefrom and adapted to support a shelf, a plurality of rods of small diameter each bent to form a hook at either end and fixedly secured to the top of said shelf near each corner thereof and between said hooks, one of said hooks being adapted to lie above and away from said shelf and below the

other of said hooks, and in the same vertical plane therewith, each of said hooks being adapted for engagement with and suspension from said sup-



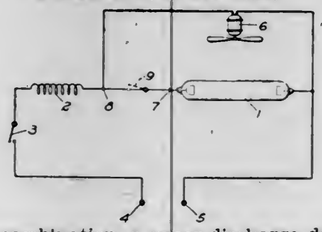
porting means in said cabinet whereby said shelf may be suspended at either of a pair of selected elevations.

2,080,908

ELECTRIC GASEOUS DISCHARGE DEVICE

Albert Bünger, Berlin-Pankow, Kurt Larché, Berlin O 17, and Kurt Wiegand, Berlin-Hohen-Neuendorf, Germany, assignors to General Electric Company, a corporation of New York

Application July 7, 1936, Serial No. 89,412
In Germany July 27, 1935
4 Claims. (Cl. 176—124)



1. In combination, a vapor discharge device of the high intensity type and a fan arranged to direct a blast of air upon said lamp, the motor for said fan being connected in parallel with said discharge device, whereby the cooling effect of said fan is determined by the condition of said discharge device.

2,080,909

DEVICE FOR MEASURING AND RECORDING WHEEL ALIGNMENT

Kenneth R. Charlton, Holyoke, Mass.

Application November 22, 1932, Serial No. 643,874
10 Claims. (Cl. 33—203)



1. A device for measuring and recording wheel alignment comprising a sheet of paper, a second sheet of paper superimposed on said first-named sheet of paper and movable with respect to said first-named sheet of paper a distance proportional to the side slip of a wheel rolling thereover, and means attached to one of said sheets and adapted to mark the other of said sheets when a wheel passes over said marking means.

2,080,910

METHOD OF REMOVING RUBBER FROM MATERIALS CONTAINING IT

Kenneth W. Coons, Hamburg, N. Y., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application July 1, 1935, Serial No. 29,378
8 Claims. (Cl. 18—52)

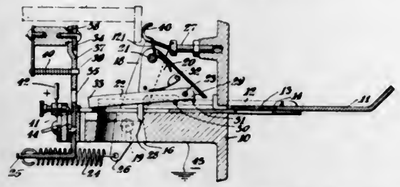
1. The method of removing rubber from a rubber-containing material, which comprises treating the material with an alkyl nitrite.

2,080,911

COIN MACHINE

Karl Gammel, Joliet, Ill.

Application August 7, 1933, Serial No. 684,037
10 Claims. (Cl. 194—55)



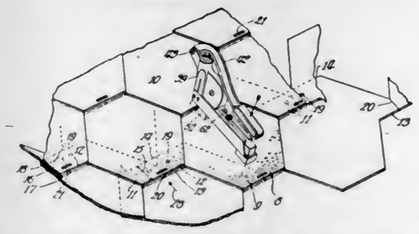
1. In a coin-controlled machine, a coin-carrying member, a toggle mechanism, a contact member mounted on said toggle mechanism, a projection adjustably secured on one end of said contact member for contacting a coin in said coin-carrying member, and a plate beyond the other end of said contact member having an opening therein through which the end of said contact member may pass.

2,080,912

ROOFING FASTENER

Harry L. Guy, Chicago, Ill., assignor to Ford Roofing Products Company, Chicago, Ill., a corporation of Illinois

Application May 15, 1933, Serial No. 671,093
8 Claims. (Cl. 1—49)



1. Apparatus for fastening the lower exposed edge of a shingle to the next underlying course comprising in combination a magazine for holding a plurality of staples having bendable prongs, a driving device for engaging the top of the fastening element and forcing it through the roofing material, a guide for guiding the fastening elements toward the roofing, said guide being arranged to leave the ends of the prongs free to deflect in order to pass a particle of mineral surfacing on the roofing, an anvil connected to said

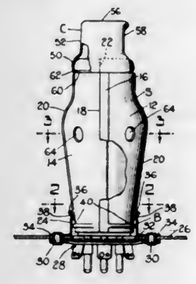
apparatus having a projecting anvil blade opposite the line of staple travel and adapted to be inserted underneath the underlying course to upset the staple underneath said underlying course and to prevent it from penetrating any lower course of shingles, an operating handle for applying a slow pressure to said driving device to allow an opportunity for the aforesaid deflection of the staple prongs in penetrating the mineral surfacing, and a feeding device for feeding staples successively to said driving device.

2,080,913

RADIO TUBE SHIELD

Frederick Hafecost and Edward F. Staver, Brooklyn, N. Y., assignors to Goat Radio Tube Parts, Inc., Brooklyn, N. Y., a corporation of New York

Application May 21, 1935, Serial No. 22,516
21 Claims. (Cl. 250—27.5)



1. A form-fitting sheet metal shield for conductively shielding radio tubes comprising a plurality of readily separable longitudinal sections adapted to mate at the edges extending longitudinally of the tube and when assembled to assume a configuration generally resembling that of the tube, the meeting edges of the sections being overlapped for a substantial distance, one of each pair of overlapping edges being bent sidewardly to receive the other edge, said overlapping edges being devoid of fastening means, and releasable means for holding the sections in assembled relation about a radio tube.

2,080,914

GASEOUS ELECTRIC DISCHARGE LAMP

Wilhelm Hagen, Berlin, Hermann Krefft, Berlin-Friedrichshagen, and Hermann Kummer, Neuenhagen-sud, near Berlin, Germany, assignors to General Electric Company, a corporation of New York

Application January 14, 1936, Serial No. 59,126
In Germany January 19, 1935
1 Claim. (Cl. 176—126)

A gaseous electric discharge device comprising a sealed tubular envelope having a central portion of fused silica with ends of glass sealed thereto through a tubular graded seal, a gaseous atmosphere therein, inleads sealed through said glass ends, a pair of coaxial tubes of fused silica fused to the inner surface of said envelope adjacent opposite ends of the fused silica portion thereof, an electrode mounted on the inner end of each of said tubes and a current lead attached to said electrode and extending along the interior of said tube, a body of electrically conducting material mechanically closing the opposite end of said tube and electrically connecting said electrode lead and said inlead, each of said tubes extending past said graded seals to a point within said glass ends to protect said seals from the del-



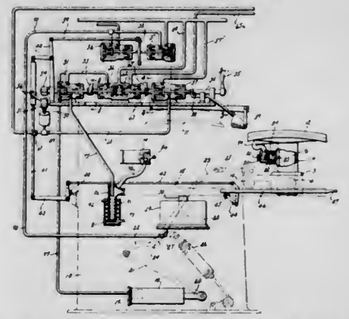
eterious effects of the hot, ionized gas in said device.

2,080,915

APPARATUS FOR EVACUATING PRESSING ELEMENTS

Angus F. Hanney, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio, a corporation of Ohio

Original application August 5, 1933, Serial No. 683,814. Divided and this application January 4, 1934, Serial No. 705,279
13 Claims. (Cl. 38—15)



1. In a press of the class described, the combination of coacting pressing members one of which is movable along a rectilinear path toward and from the other, means for moving said movable member, said movable member having a chamber adapted to receive moisture from work lying thereon, a conduit carried by the movable member and communicating with said chamber, means normally closing said conduit, and means for emptying said conduit.

2,080,916

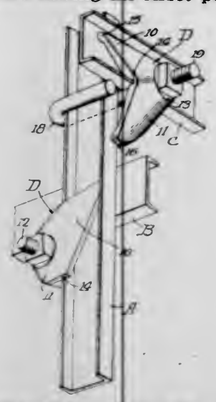
SCAFFOLD AND CLAMP FOR SCAFFOLDS AND THE LIKE

David Homer Hayden, Brooklyn, N. Y.

Application August 14, 1934, Serial No. 739,790
8 Claims. (Cl. 304—40)

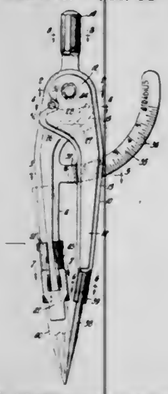
2. A scaffold frame having poles and longitudinal and transverse laterals formed of flanged bars, and a clamp for connecting the bars at each point of intersection comprising two separate cooperating members each overlapping one of the

bars and having two bearing seats engaging the same and also having an offset portion provided



with a bearing seat engaging the other bar, and means for separably connecting said members.

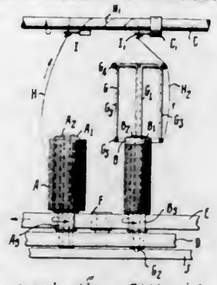
2,080,917
DRAFTING IMPLEMENT
Julius C. Hochman, New York, N. Y., assignor to Eagle Pencil Company, a corporation of Delaware
Application February 15, 1933, Serial No. 656,776
11 Claims. (Cl. 33—151)



1. A pair of compasses comprising leg members each comprising a unitary blank widened at its pivoting end, a handle member having an integral web interposed between said widened leg members, a rivet retaining said members in assembled relation, and symmetrically arranged track and runner stud means serving to center the web with respect to the legs, said track means being elongated, curved and eccentric with respect to said pivot, both the track and the free end of the coacting runner stud members being completely covered by the widened portions of the compass legs.

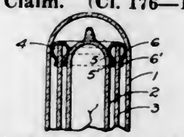
2,080,918
METHOD AND APPARATUS FOR TWISTING FILAMENTS
Frank Honig, Pawtucket, R. I.
Application February 28, 1934, Serial No. 713,252
4 Claims. (Cl. 117—24)

1. Mechanism for twisting stranded material, comprising in combination, a plurality of core supporting spindles provided with tubular openings therein, one of said spindles serving to take up strand material received from another of said spindles, a strand distributing device pro-



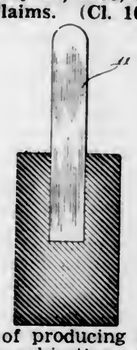
vided with a projection fitting in the opening of said take-up spindle, means for rotating said spindles, means for feeding strand material to said take-up spindle, and means for holding said strand distributing device against rotation.

2,080,919
GASEOUS ELECTRIC DISCHARGE DEVICE
Alois Ihln, Berlin-Weissensee, and Martin Reger, Berlin-Charlottenburg, Germany, assignors to General Electric Company, a corporation of New York
Application July 28, 1936, Serial No. 93,096
In Germany August 3, 1935
1 Claim. (Cl. 176—122)



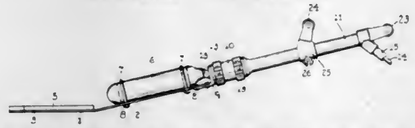
A gaseous electric discharge device comprising a container, electrodes sealed therein, a gaseous atmosphere therein, a heat conservator for said container, a baffle interposed between said container and said conservator and a resilient support means for said container and said baffle in said conservator, said support means consisting of a tubular, annular, resilient body having fingers to accommodate said baffle, said support means being interposed between and pressing against said container and said conservator.

2,080,920
METHOD OF PRODUCING FROZEN CONFECTIONS
Harry P. Ingalls, Berwyn, Ill., assignor of one-half to Ellwood F. Whitchurch, Chicago, Ill.
Application July 10, 1935, Serial No. 30,621
3 Claims. (Cl. 107—54)



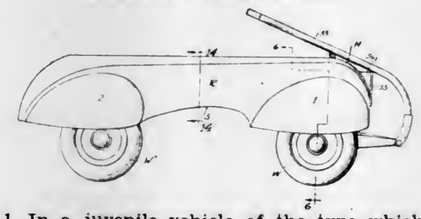
1. A method of producing frozen confections which consists in subjecting a frozen core of normally liquid material to a confined flavoring material in a normal liquid state, and in freezing the resulting confined composite materials into a solid state with consequent initial commingling of the materials in which the flavoring is concentrated at the outside and diminishes inwardly thereof.

2,080,921
TOOL FOR WORKING BALLAST AND PLASTIC MATERIALS
Corwill Jackson, Ludington, Mich.
Application June 27, 1936, Serial No. 87,644
11 Claims. (Cl. 104—14)



1. In a tool of the class described, the combination of a plate-like tapered blade straight on one edge and inclined on the opposite edge and having a nose piece on its inclined edge, said blade being provided with an integral shank disposed at an angle thereto, a tubular motor housing secured to the upper side of said shank by means of clips embracing said housing, a hydraulic motor mounted within said housing and provided with a rotor having an unbalancing weight, the axis of the rotor being parallel to the longitudinal plane of the shank, a tubular handle, and a tubular flexible coupling for said handle to said shank, said handle and flexible coupling constituting a housing for the power supply connections for the motor.

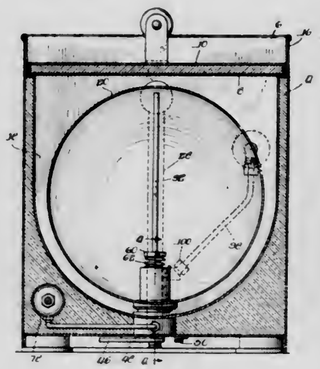
2,080,922
JUVENILE VEHICLE AND BODY CONSTRUCTION
Herman L. Kraeft, Cleveland, Ohio, assignor to The Murray-Ohio Manufacturing Co., Cleveland, Ohio, a corporation of Ohio
Application March 2, 1935, Serial No. 9,001
5 Claims. (Cl. 280—87.5)



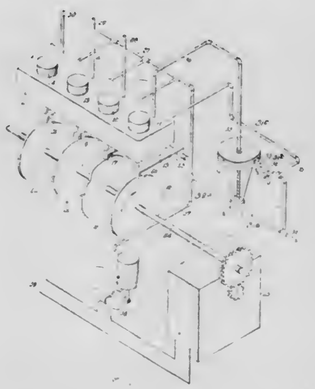
1. In a juvenile vehicle of the type which a child rides, a pair of sheet metal body side members having front and rear wheel shrouding fender portions outstruck therefrom and inwardly turned upper marginal flanges, sheet metal front and rear deck panels and means rigidly securing the side marginal edges thereof to said flanges at the forward and rearward portions of the body respectively, and a sheet metal load receptacle rigidly secured to one of said deck panels and to both side members at the inturned flanges thereof.

2,080,923
PORTABLE DISPENSER
Hans Gustav Lassen, Chicago, Ill.
Application May 9, 1934, Serial No. 724,638
18 Claims. (Cl. 225—40)

1. A liquid dispenser comprising a casing, a liquid container disposed within said casing, and means for discharging liquid from said container, said means including a two-part valve adapted to hold said container in place within said casing, one of said parts being connected to said container and the other of said parts being connected to said casing and adapted to be moved into communication with said discharge means, and means for operating one of said parts to control the flow of liquid through said discharge means.

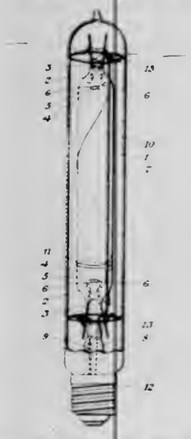


2,080,924
AUTOMATIC TERMINATOR FOR CYCLE CONTROL SYSTEMS
Leonard Logan, Flushing, N. Y., and Charles Webber, Hohokus, N. J., assignors to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application December 19, 1935, Serial No. 55,206
7 Claims. (Cl. 137—145)



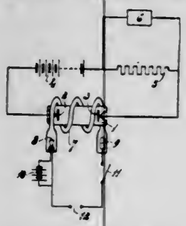
1. In a repetitive process cycle controller system including a plurality of pilot valves adapted to govern the supply of fluid to cycle-operating devices: the combination with a plurality of cams adapted to actuate said valves, and motor means to drive said cams at a uniform velocity; of means subject to actuation by one of said cams adapted to terminate said cycle at a predetermined time, and means subject to manual actuation during and prior to completion of said cycle to render said terminating means inoperative.

2,080,925
ELECTRIC DISCHARGE DEVICE
Percy Middleton, Kew, and Vivian Gillies Myatt, deceased, late of North Wembley, England, by Marie Louise Myatt, executrix, North Wembley, England, assignors to The General Electric Company Limited, London, England
Application April 9, 1935, Serial No. 15,484
In Great Britain April 9, 1934
2 Claims. (Cl. 176—2)



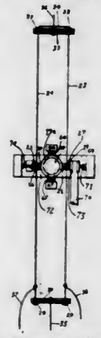
1. In the manufacture of a high pressure mercury vapour discharge lamp having an envelope containing electrodes comprising tungsten spirals enclosing alkaline metal silicates, the steps which comprise exhausting the envelope with the electrodes sealed therein, filling the envelope to about 700 mm. with a mixture of 40% hydrogen and 60% nitrogen, and heating the tungsten spirals to 1100° C. for about 3 minutes.

2,080,926
LIGHT SENSITIVE DEVICE
Frans Michel Penning and Marinus Jacobus Jansen, Eindhoven, Netherlands, assignors, by mesne assignments, to General Electric Company, a corporation of New York
Application May 20, 1931, Serial No. 538,832
In the Netherlands May 30, 1930
6 Claims. (Cl. 250—41.5)



1. An apparatus for influencing the resistance of an electric circuit by means of light comprising a light-sensitive element constituted by an electric discharge tube having main discharge supporting electrodes non-sensitive to light included in the circuit and containing a gaseous atmosphere consisting of light sensitive pure gas the atoms of which are adapted to assume a metastable condition, and a light source to irradiate said tube, said light principally displaying a wave length adapted to be absorbed by the gas atoms in their metastable condition, the conductivity of the gas in said discharge tube being an inverse function of the intensity of the light from said source irradiating said tube.

2,080,927
TRANSLATING MEANS FOR TELEVISION IMPULSES
Amyle P. Richards, Clifton, Ky.
Application February 29, 1932, Serial No. 595,793
4 Claims. (Cl. 178—6)



1. In a scanning device, a field structure having interspaced pole pieces, magnetic means between said pole pieces leaving interspaced air gaps, a loop of conductive wire having a leg normally located in each of said air gaps, a mirror pivoted to the legs of said loop along an axis transverse to said loop, a spider pivoted to an external support in the said first mentioned axis when said mirror is in normal or central position, a pivoting connection between said mirror and said spider along an axis transverse to said first mentioned axis, means for making current connection with said loop, and means for oscillating said spider.

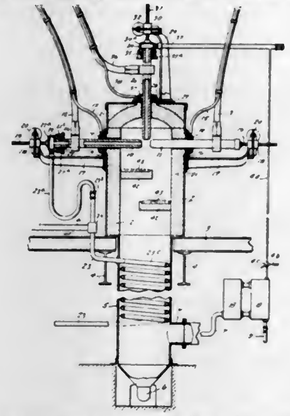
2,080,928
MOTOR FUEL PRODUCTS
Thomas H. Rogers and Vanderveer Voorhees, Hammond, Ind., assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 22, 1930, Serial No. 438,246
6 Claims. (Cl. 44—9)

1. A motor fuel product comprising cracked hydrocarbon distillates which normally tend to deteriorate and develop gums on storage, said product containing a small proportion of a phenylene diamine with two alkyl groups substituted on one of the amino groups in quantity sufficient to retard said gum formation.

2,080,929
PROCESS OF TREATING HYDROCARBON FLUIDS
James R. Rose, Edgeworth, Pa., assignor of three-fourths to Michael L. Benedum and Joseph C. Trees, both of Pittsburgh, Pa.,
Application December 20, 1935, Serial No. 55,387
5 Claims. (Cl. 204—31)

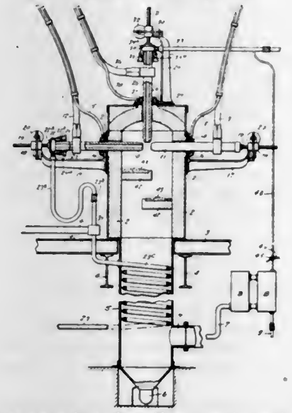
1. The herein described process of producing benzene which comprises supplying a hydrocarbon fluid continuously through a hollow electrode and through and beyond the arc produced between said electrode and another hollow electrode and a solid electrode in a reaction chamber; continuously supplying a gas containing a large proportion of hydrogen through the other hollow electrode and through and beyond the said

arc; and immediately thereafter contacting the products resulting from the action of the arc



with a polymerization catalyst immediately adjacent to said arc.

2,080,930
APPARATUS FOR THE TREATMENT OF HYDROCARBON FLUIDS
James R. Rose, Edgeworth, Pa., assignor of three-fourths to Michael L. Benedum and Joseph C. Trees, both of Pittsburgh, Pa.
Application December 20, 1935, Serial No. 55,388
8 Claims. (Cl. 204—31)

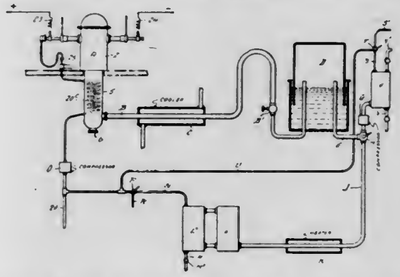


1. An apparatus for the treatment of hydrocarbon fluids comprising, in combination, a reaction chamber having an outlet, electrodes in said chamber, a conduit for delivering hydrocarbon fluid between the inner ends of said electrodes and into the region of the arc formed therebetween, and means interposed between the arc and the outlet for subjecting the gaseous products produced by the action of the arc to a catalytic agent.

2,080,931
PROCESS OF AND APPARATUS FOR THE TREATMENT OF HYDROCARBON FLUIDS
James R. Rose, Edgeworth, Pa., assignor of three-fourths to Michael L. Benedum and Joseph C. Trees, both of Pittsburgh, Pa.
Application December 20, 1935, Serial No. 55,389
10 Claims. (Cl. 204—31)

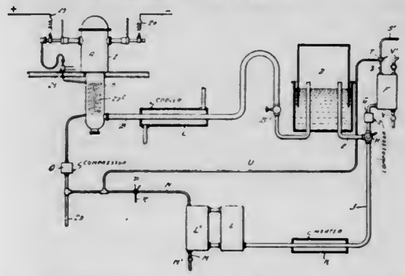
1. The process of producing acetylene which comprises subjecting an aeriform hydrocarbon fluid to the action of an electric arc under a pressure of from 50 to 200 atmospheres; cooling the gaseous products thus formed, while still under said pressure, to a temperature below that wherein polymerization of acetylene will occur, and collecting the gaseous products thus cooled.

7. In an apparatus for the manufacture of a hydrocarbon fluid, the combination of a furnace having electrodes therein with their inner ends in proximity to each other; means for delivering an aeriform fluid under high pressure into the



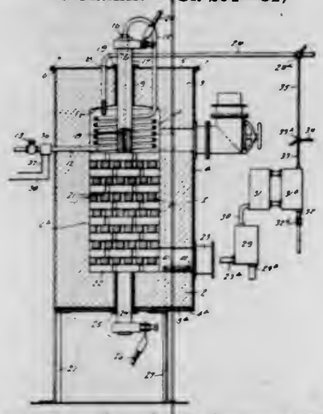
region of the arc produced between said electrodes; an offtake flue leading from said furnace, a valve in said flue for controlling the pressure in said flue and in said furnace; a cooling device for the said flue, between the said furnace and the said valve; gas-collecting means beyond the said valve; means connected with the said collecting means for separating the gases thus collected; and a pipe for delivering under pressure one of the gases thus separated into the said furnace and into the region of the said arc.

2,080,932
APPARATUS FOR THE TREATMENT OF HYDROCARBON FLUIDS
James R. Rose, Edgeworth, Pa., assignor of three-fourths to Michael L. Benedum and Joseph C. Trees, both of Pittsburgh, Pa.
Application December 20, 1935, Serial No. 55,390
6 Claims. (Cl. 204—31)



6. The combination, with a furnace, of electrodes projecting thereinto and having their inner ends in proximity to each other, a plunger engaging the outer end of each of said electrodes; means for feeding said plungers thereby to maintain substantially constant the distance between the inner ends of said electrodes; sleeves surrounding the portions of the electrodes located outside the furnace and the inner ends of the plungers, thereby to prevent the escape of fluid from the furnace; means for delivering an aeriform fluid under high pressure into the arc formed between said electrodes; and means for maintaining the fluid under high pressure in said furnace.

2,080,933
PROCESS OF TREATING ALIPHATIC HYDROCARBONS
James R. Rose, Edgeworth, Pa., assignor of three-fourths to Michael L. Benedum and Joseph C. Trees, both of Pittsburgh, Pa.
Application November 19, 1936, Serial No. 111,672
2 Claims. (Cl. 204—31)



1. The process of producing benzene which comprises passing a gas consisting principally of aliphatic hydrocarbons continuously through a zone comprising a multiplicity of electric arcs and immediately thereafter into contact with a solid polymerization catalyst.

2,080,934
PRODUCTION OF NITROCELLULOSE
Milton O. Schur, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application September 11, 1934, Serial No. 743,556
7 Claims. (Cl. 260—146)

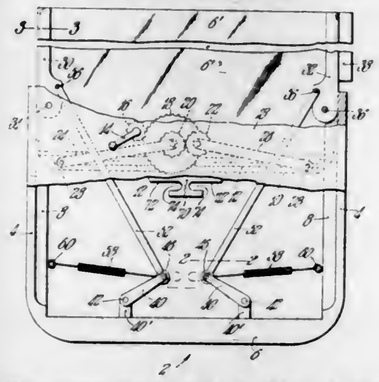
1. A process which comprises treating sheets of substantially unbeaten wood pulp with gaseous hydrochloric acid admixed with water vapor and then nitrating such treated sheets.

2,080,935
PISTON RING
Stanley S. Slyk, Chicago, Ill.
Application May 13, 1935, Serial No. 21,205
Renewed April 15, 1937
1 Claim. (Cl. 309—46)



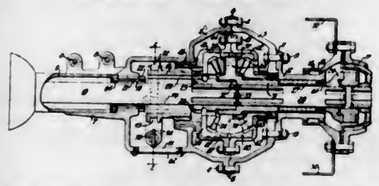
A piston ring for use in a piston provided with a ring receiving groove, said ring being of substantially rectangular cross section and having opposing ends, a pair of extensions provided on one end of said ring, said extensions being of substantially triangular cross section with the side opposite the apex of the triangle extending across the full side surface of the ring, the opposite end of said ring being provided with similar and complemental extensions, whereby the extensions on the ends of the ring will interfit when the ring is in use and will be of substantially rectangular cross section.

2,080,936
DOOR FOR AUTOMOBILES AND THE LIKE
Hinsdale Smith, Springfield, Mass., assignor to Hinsdale Smith, Jr., New York, N. Y.
Application July 22, 1935, Serial No. 32,499
9 Claims. (Cl. 296—48)



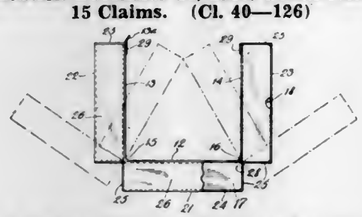
8. The combination with a door, of window mechanism including a window slidable in opposite directions and operating means for positively sliding the window in said opposite directions, window-guide mechanism including a window guide member pivoted to the door for swinging movements in opposite directions between window guiding and non-guiding positions and means for positively swinging the same, and engageable connections associated with the window mechanism and the guide mechanism adapted and arranged whereby during a part of the movements of the window in opposite directions the guide member is moved in synchronism therewith in its opposite directions.

2,080,937
TRANSMISSION GEARING
Charles E. Starr, deceased, late of Inglewood, Calif., by Eva M. Starr, administratrix, Inglewood, Calif., assignor to Perfecto Gear Differential Co., Bellingham, Wash., a corporation of Washington
Application March 14, 1935, Serial No. 11,032
4 Claims. (Cl. 74—288)



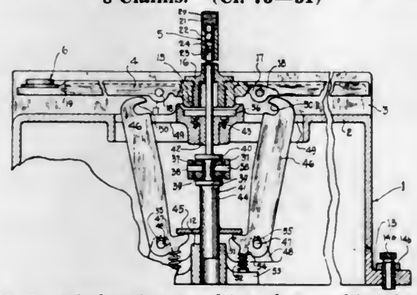
1. In a transmission, a driving shaft, a driven shaft, a gear fixed on the driving shaft, a loose gear disposed about the driven shaft, a planet pinion in mesh with said gears and mounted on said driven shaft, a clutch member, a rotor hood enclosing the gearing and connecting the clutch member for rotation with the loose gear, a fixed element, and clutch means on the shaft-fixed gear and on the fixed element optionally engageable with the clutch member.

2,080,938
COLLAPSIBLE DISPLAY DEVICE
Otto P. Storch, Ozone Park, N. Y., assignor to The W. F. Powers Company, New York, N. Y.
Application December 14, 1935, Serial No. 54,408
15 Claims. (Cl. 40—126)



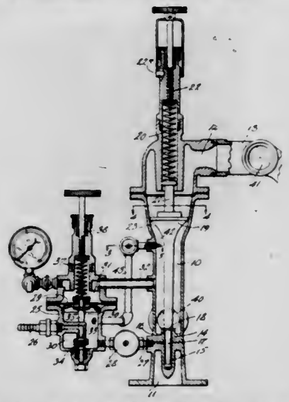
1. A display device of the class described consisting of foldable panel portions and display sections on the panel portions and projecting from one surface thereof and adapted to be collapsed upon said panel portions, said sections having means for supporting the same in extended position with respect to the panel portions, said means involving a top wall on said sections, and means in the top walls of said sections and on said panel portions for supporting said top walls in predetermined position.

2,080,939
BALANCING MACHINE
John Leonard Taylor, Milwaukee, Wis.
Application August 28, 1933, Serial No. 687,096
8 Claims. (Cl. 73—51)



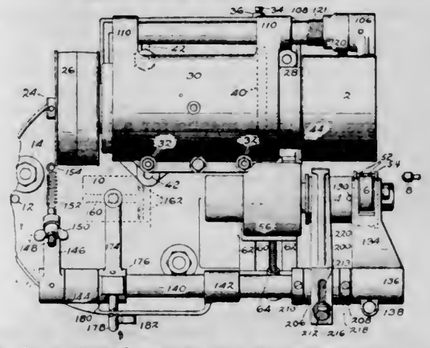
1. In a balancing machine the combination of a body portion, a fulcrum post carried by said body portion, extending substantially vertically therefrom, and supported for vertical movement relatively thereto, means for causing such vertical movement of said post, a carrier constituted to receive a work piece to be balanced, a fulcrum bearing carried by said carrier and operative to support said carrier for tilting movement relatively to said post, means on said body portion positioned to receive said work piece when said post is lowered, interengaging portions on said body portion and carrier operative when said post is lowered to center said carrier about said post, a hook member on said body portion movable into engagement with said carrier to prevent upward movement thereof and consequent disengagement of said interengaging portions, resilient means arranged to urge said hook away from engagement with said carrier, said hook having a projection, and said post having a flange, said projection being positioned in the path of downward movement of said flange, and arranged when contacted by said flange to force said hook into engagement with said carrier, and said post and said interengaging parts being so proportioned that said fulcrum bearing is relieved of load when said hook is engaged with said carrier.

2,080,940
FLUID MIXING APPARATUS
William F. Traudt, Buffalo, N. Y.
Application October 26, 1935, Serial No. 46,890
5 Claims. (Cl. 261—43)



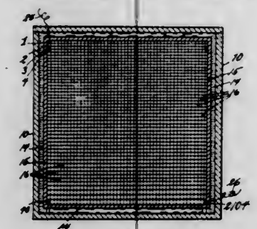
1. In a mixing apparatus for fluids, a mixing chamber through which the fluids flow, a device which is actuated by the fluid pressure and increases and decreases the passage for the fluid through the mixing chamber respectively according to increases and decreases in the volume of one fluid supplied, a supply device for another fluid operated by said first mentioned device to vary the supply of said other fluid in proportion to variations in the volume of the first fluid passing through the mixing chamber, and a differential pressure device which maintains a substantially predetermined differential between the pressures of the said other fluid and in the mixing chamber.

2,080,941
CUTTING MACHINE
Philip H. Hutchinson, Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 4, 1927, Serial No. 223,994
55 Claims. (Cl. 51—103)



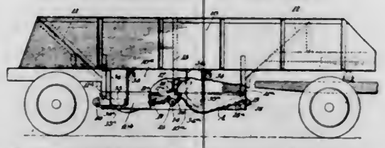
1. In a chuckless machine for cutting the bore of a hollow work-piece, rotatable wheels for supporting and rotating the work-piece by engagement with the outer periphery thereof, a cutting tool, means providing for relative axial movement between the cutting tool and work-piece, and means automatically operated by the relative axial movement for moving one of the wheels into or out of engagement with the work-piece; substantially as described.

2,080,942
APPARATUS FOR USE IN TELEVISION
Carl F. Joers, Los Angeles, Calif.
Application June 1, 1931, Serial No. 541,379
4 Claims. (Cl. 178—6)



1. An apparatus for use in television including a tank having an opaque top, bottom and sides, polarizer and analyzer, prisms closing the ends of said tank that are arranged at right angles to one another, a frame in said tank that is submerged in nitro-benzol, a plurality of tubes in said frame with their ends open toward said prisms so that light can enter them through said prisms, and means including connected and like wire windings for each tube over which an alternating electric current can be passed for creating a magnetic field successively in a predetermined order in said tubes so that the light that has entered the tube through the polarizer prism can pass out of said tubes through the analyzer prism.

2,080,943
DUMP VEHICLE
Harry W. Jones, Webster Groves, Mo., assignor to The Sanford Investment Company, Knoxville, Tenn., a corporation of Delaware
Application February 15, 1933, Serial No. 656,937
11 Claims. (Cl. 298—30)



1. A drop-bottom dump vehicle having an open bottom structure, a plurality of drop-bottom doors for closing said bottom structure, means mounted on the bottom structure and supporting the doors adjacent the front edges thereof for independent pivotal movement about transverse axes, the pivot means for a rearward door being rotatable relative to the bottom structure and relative to the door pivotally mounted thereby, and latching devices secured to said rearward door pivot means for holding the next forward door in closed position.

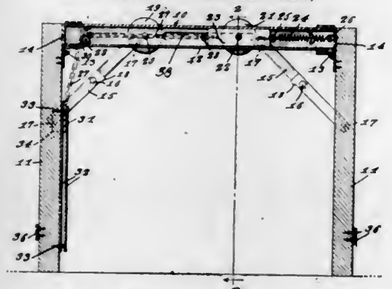
2,080,944
COAT
Anthony Kuttes, Oakland, Calif.
Application June 22, 1935, Serial No. 27,906
3 Claims. (Cl. 2—93)

1. A coat having rear, side and front flap portions and coacting buttons and button holes on said flap portions for closing the coat at the front of the wearer, and a button secured to the inner side of each of said flap portions in spaced relation to the free edge thereof and spaced rearwardly of said first mentioned buttons and button holes, a series of belt straps secured to the inner side of the said flaps intermediate said last named buttons and said first named buttons and button holes, and a belt having a series of spaced button openings adjacent the opposite ends thereof arranged for selective engagement with said second named buttons and serving to



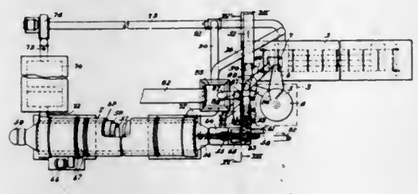
adjust the tightness of fit of the rear and side portions of the coat to the body of the wearer while leaving the forward portion of said flaps free to open and selectively engaging through said belt straps for regulating the length of said forward flap portions left free to open.

2,080,945
MOP WRINGER
Thomas Franklin Lee, Atlanta, Ga.
Application October 29, 1935, Serial No. 47,324
1 Claim. (Cl. 15—262)



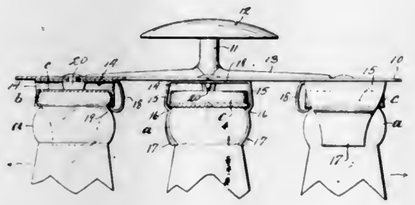
A mop wringer comprising a substantially rectangular frame having side and end bars formed of tubing, supporting legs for the frame hinged to and overlapping the end bars of the frame, a stationary wringing roll journaled in the side bars, guide blocks slidably fitted in the tubular side bars of the frame, a wringing roll journaled in said guide blocks, springs connected to one of the end bars of the frame and housed within the bores of the side bars of the frame and connected to the guide blocks for holding the last named wringing roll spaced from the stationary wringing roll, flexible connectors secured to the guide blocks at the opposite ends thereof from the springs, a cross bar connected to said flexible connectors, said cross bar forming a pedal, guides on a pair of the legs slidably receiving the ends of the pedal, depression of the pedal moving the guide blocks to move the associated wringing roll toward the stationary wringing roll against the tension of the springs, and a crank handle connected to one of the wringing rolls for rotating the roll to feed the mop between the wringing rolls when the wringing rolls have been moved by the pedal and the connectors to operative position to squeeze a mop between them.

2,080,946
CARBONIZATION OF COAL
Carl E. Lesher, Ben Avon, Pa., assignor to Pittsburgh Coal Carbonization Company, Pittsburgh, Pa., a corporation of Delaware
Application July 20, 1933, Serial No. 681,281
Renewed October 22, 1936
8 Claims. (Cl. 202—9)



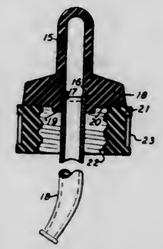
3. The process of making carbonized coal balls, which comprises passing crushed coal having agglutinating properties along heating contact surfaces while it is subjected to oxidation and mixing so as to temper and restrict but still retain some of its agglutinating properties, transferring the thus roasted coal to a storage body in which the coal is thoroughly mixed and maintained in agitated condition while it remains hot, continually withdrawing a controlled amount of the coal from such storage body, and subjecting the withdrawn coal to low temperature carbonization in a rotary kiln so as to tumble it and form coal balls.

2,080,947
BOTTLE CARRIER AND CAP REMOVER
Joseph C. Ligeour, Brunswick, Ga.
Application January 16, 1936, Serial No. 59,472
6 Claims. (Cl. 224—45)



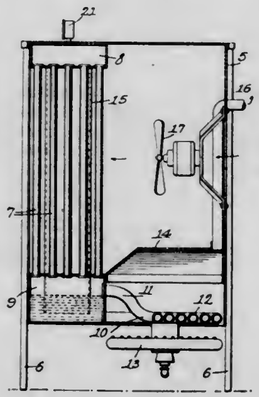
6. A bottle carrier including a normally horizontal plate having a carrying handle projecting upward from its upper surface and having a pair of opposed resilient bottle neck gripping members depending from the underface of the plate, the members being spaced from but substantially parallel to each other below their upper ends, the members extending downward and inward to engage beneath the bead on the upper end of the bottle and then extending successively outward, downward and inward and being transversely curved to fit against and extending partially around and beneath the bulbous portion of the bottle neck whereby the bottle is supported entirely by its neck but may be detached by swinging the bottle in a plane parallel to the planes of said depending members.

2,080,948
PROCESS OF MAKING A COMBINED BOTTLE STOPPER AND SYRINGE
Leon J. Mazoyer, Baldwin, N. Y., and Cecil Jones, Red Bank, N. J., assignors to Whitall Tatum Company, New York, N. Y., a corporation of New Jersey
Application August 30, 1934, Serial No. 742,076
6 Claims. (Cl. 18—59)



1. The process of manufacturing articles composed of hard and soft rubber integrally united which comprises composing one part of the body of a composition suitable for vulcanization into soft rubber and containing sulphur slightly in excess of that required for the formation of soft rubber, composing an adjacent portion of the body of a composition suitable for vulcanization into hard rubber, said compositions containing quantities of sulphur and accelerator such that the soft rubber composition becomes completely vulcanized in a substantially shorter period of time than said hard rubber composition, pressing the bodies together under conditions and for a time suitable for substantially completely vulcanizing the soft rubber composition, removing the same from the press and then subjecting the joined portions to conditions suitable for completing the vulcanization of the hard rubber composition.

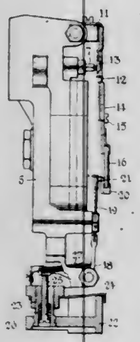
2,080,949
HEATER
William L. McCombs, Elizabeth, and Charles L. Sheesley, McKeesport, Pa.
Application August 28, 1935, Serial No. 38,334
2 Claims. (Cl. 126—101)



1. A room heater comprising a cabinet including top, side, and rear walls and having its front

side open and also having a relatively smaller opening in the rear wall, upper and lower tanks within the cabinet adjacent the front side thereof, a plurality of steam tubes connecting the upper and lower tanks and providing a heating grid at the front of the cabinet, a hood within the cabinet between the rear of the lower tank and the rear wall of the cabinet and forming a heating chamber, a plurality of steam generating tubes located in the heating chamber beneath the hood, each of said tubes having a horizontal portion communicating with the lower tank near the bottom thereof and also having an upwardly inclined portion for communicating with said lower tank near the upper part thereof, means for supplying water to the lower tank, means for indicating the water level in the lower tank whereby said water level may be maintained between the open ends of said tubes, a heating element disposed below said steam generating tubes, and air blast generating means mounted on the rear wall of the cabinet in line with the opening therein and above the said hood whereby air may be drawn through said opening and entrain convection currents rising from said hood to force the same through the grid formed by the steam tubes at the front of the cabinet.

2,080,950
TEMPERATURE CONTROL DEVICE
Carl A. Otto, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 16, 1935, Serial No. 50,195
7 Claims. (Cl. 236—1)



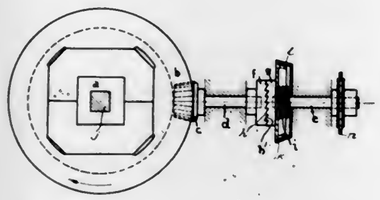
6. The combination of a controlling device; a thermostatic device, including a member moving in response to temperature changes; and a driving connection between said controlling device and said member, including an element adapted to swing in response to humidity changes, said connection being adjustable between a position in which said element affects said controlling device and a position in which said element is ineffective to operate the controlling device.

2,080,951
PILE DRIVER
Paul Pfeiffer, Altona, Germany
Application December 31, 1934, Serial No. 759,979
In Germany February 16, 1934
3 Claims. (Cl. 61—74)

1. In a pile driver of the character described, a frame, a hammer lead, a bracket rotatably mounted on the upper end of said frame and connecting the upper portion of said lead to the frame for swinging movement relatively to said frame, means on said bracket for vertically adjusting said lead relatively to the frame, and means for displacing the lower end of the lead in a substantially horizontal direction toward or away from the lower end of said frame.

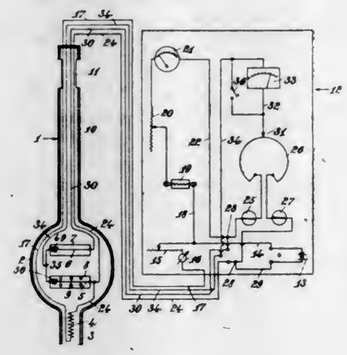


2,080,952
ROTARY TABLE AND DRIVE THEREFOR
Johannes Rathje, Duisburg, Germany
Application January 31, 1935, Serial No. 4,334
In Germany December 29, 1933
2 Claims. (Cl. 255—23)



1. In a rotary drilling apparatus, the combination with the stem of a boring tool, of a rotatably mounted table having an axial opening for engagement with the stem, a drive shaft, and a coupling between said shaft and stem, said coupling comprising driving and driven members having parts with surfaces substantially parallel with the axis of the coupling which normally engage one another to cause positive rotation of the stem by the operation of the shaft and with surfaces which permit the driven member to over-run the driving member if the driven member is turned by the torsion of the stem when the boring tool, after jamming, is suddenly released.

2,080,953
INSTRUMENT FOR INDICATING FOREIGN MATTER IN GASES
Carl Friedrich Rensch, Berlin-Wilmersdorf, Germany
Application May 28, 1935, Serial No. 23,959
In Germany June 1, 1934
17 Claims. (Cl. 73—51)



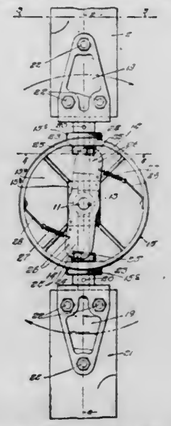
16. In an instrument for indicating foreign matter in gases, a detector member of palladium-silver alloy.

2,080,954
PROCESS FOR THE MANUFACTURE, SEPARATION, AND PREPARATION OF PURE CRYSTALLIZED ERGOT-ALKALOIDS
Arthur Stoll and Ernst Burckhardt, Basel, Switzerland, assignors to Chemical Works Formerly Sandoz, Basel, Switzerland
No Drawing. Application February 25, 1935, Serial No. 8,214. In Germany October 1, 1934
7 Claims. (Cl. 87—28)

1. A process for the production of pure crystallized ergot-alkaloids, comprising passing a solution of ergot-alkaloids in an inert organic solvent, selected from the class consisting of aromatic and halogenated hydrocarbons, through a column containing adsorbent material which is insoluble in the said solvent and is selected from the class consisting of sugar, milk-sugar, aluminum oxide, aluminum hydroxide, silicon dioxide, calcium oxide, calcium carbonate, asbestos and fibrous aluminum hydroxide, whereby the solution is separated into a plurality of fractions, collecting the resultant fractions of the solution, and isolating the pure ergot-alkaloids from the collected fractions.

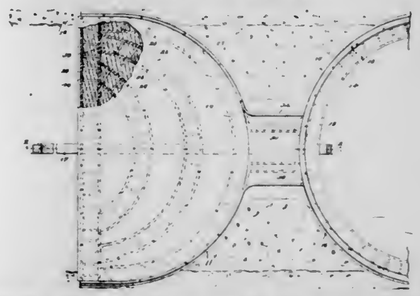
2,080,955
PROPELLER GOVERNOR
Ray O. Watkins, Chicago, Ill., assignor to Universal Battery Company, Chicago, Ill., a corporation of Illinois
Application October 22, 1936, Serial No. 107,088
6 Claims. (Cl. 290—44)

1. A device of the character described, including: a generator; an armature shaft for the generator; a wind driven propeller mounted on the armature shaft; pivoted blades on the propeller; a yielding connection between the propeller and shaft; and means of such a character that increased load in the generator will operate



through said yielding connection to pivot the blades of the propeller to retard the speed thereof.

2,080,956
BASIN DAM
Fred W. Wehn, Pomona, Calif.
Application July 10, 1935, Serial No. 30,698
3 Claims. (Cl. 61—30)

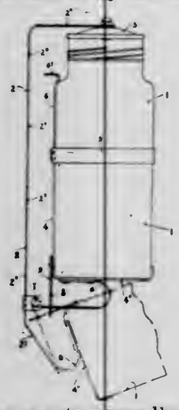


1. A dam of the class described comprising upper and lower basins, an elevated spillway connecting said basins midway the width of the dam, a flood control aqueduct for delivering water from a point upstream above the dam to a point downstream beyond said spillway, said aqueduct extending longitudinally through the floor of said dam with its lower end opening into the lower basin and its upper end terminating in front of and beyond said upper basin, and said aqueduct having at its upper end a vertically extending inlet portion open at its top and formed with transversely extending water entrance openings.

2,080,957
MEANS FOR SUPPORTING CONFECTIONERY JARS, CORDIAL CONTAINERS, AND THE LIKE
Jack Lawrence Barnett, Leeds, England
Application January 7, 1937, Serial No. 119,518
In Great Britain August 28, 1935
8 Claims. (Cl. 248—311)

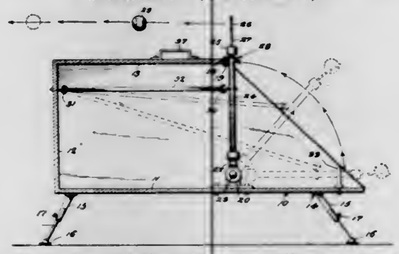
1. A receptacle holder of the class described including a fixed member having an extension, a lid connected to said extension, a movable member having a portion for supporting a receptacle, and spring means pivotally connecting the mov-

able member to the fixed member whereby when a receptacle is carried by the movable member,



the spring means acts normally to urge the receptacle into engagement with the lid.

2,080,958
PRACTICE MACHINE
Mercer Beasley, Princeton, and James A. Coffee, Lawrenceville, N. J.
Application June 22, 1934, Serial No. 731,992
8 Claims. (Cl. 273—26)



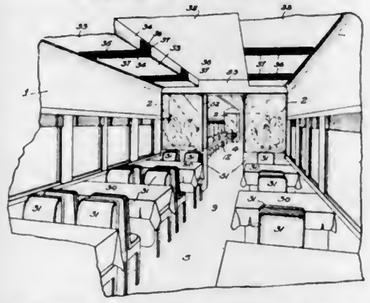
1. A device of the class described comprising a throwing arm, a resilient missile-engaging member carried by said arm, said missile-engaging member being formed of a strand of spring wire and consisting of an outer missile-engaging loop terminating in closely fitted substantially parallel spring shank portions secured to said throwing arm for providing a resiliently connected missile support for said arm in and for the purpose specified.

2,080,959
SHOE
John L. Cobb, Chicago, Ill., assignor of one-half to Salem N. Baskin, Chicago, Ill.
Application November 25, 1936, Serial No. 112,813
3 Claims. (Cl. 36—68)



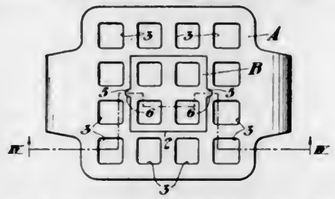
1. In a shoe, a relatively stiff counter therefor, the outer side wall of said counter being recessed to provide an opening therein extending at both sides of the breast line, said opening being positioned to permit the extension of the outer cuboidal bone of a foot therethrough without distorting the counter.

2,080,960
DINING CAR ILLUMINATION AND VENTILATION
Henry Dreyfuss, New York, N. Y., assignor to The New York Central Railroad Company, a corporation of New York
Application December 3, 1936, Serial No. 114,074
4 Claims. (Cl. 240—7.35)



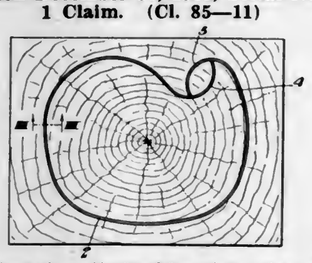
4. A dining car having a dining compartment provided with a ceiling comprising a central ceiling section and side ceiling sections, said central ceiling section being arranged at a higher level than the side ceiling sections and connected therewith by risers, the side ceiling sections and risers being provided at spaced intervals with openings, an air duct arranged above the central ceiling section and having outlets communicating with the openings in the risers, illuminating means arranged above the openings in the side ceiling sections, and louvres at the openings permitting the light rays to pass downward while concealing observation of the illuminating means from below.

2,080,961
BILLET MOLD
Flint C. Elder, Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application October 22, 1935, Serial No. 46,186
1 Claim. (Cl. 22—142)



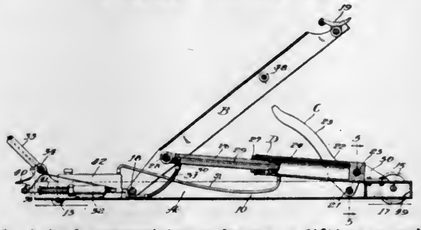
A unitary mold comprising a composite mold body provided with an outer elongated cast metal mold member, said member having a plurality of separate longitudinal parallel mold cavities extending therethrough, one of said cavities being substantially larger in transverse dimensions than the remainder thereof, an inner cast metal mold member positioned in said larger cavity, said inner cast mold having longitudinal parallel mold cavities extending therethrough, each of the latter being equal in volume to each of the mold cavities of said outer mold member.

2,080,962
ANTICHECKING IRON
Harold H. Febrey, South Orange, N. J., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application December 30, 1935, Serial No. 56,823
1 Claim. (Cl. 85—11)



An integral anti-checking iron for application to the cross-sectional end grain of timber comprising a relatively flat elongated metal body disposed in the form of a substantially closed loop, said loop being in contour substantially the same as that of the cross-section of timber to which it is applied, said body being formed with oppositely curved ends to provide complementary interlocking joint elements, portions of said body intermediate said ends being formed to dispose said joint elements in operative registration to constitute said substantially closed loop, the latter being adapted to act as an anti-splitting means in all directions of substantially the entire cross-section of the timber of application.

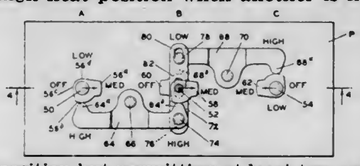
2,080,963
JACK
William J. Fiedler, Mitchell, S. Dak., assignor of one-half to Adolph Schelske
Application October 23, 1936, Serial No. 107,291
6 Claims. (Cl. 254—2)



1. A jack comprising a frame, a lifting member pivotally mounted on said frame, a cam member mounted on said frame and having its cam surface in contact with said lifting member, and a cylinder attached to said cam member and arranged to rock said cam member to raise said lifting member.

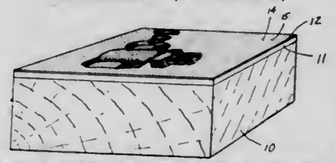
2,080,964
INTERLOCKING SWITCH MECHANISM
Edward E. Forstrom, Stratford, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application October 26, 1935, Serial No. 46,944
26 Claims. (Cl. 200—50)

1. In combination with a plurality of rotary electric snap switches each capable of occupying high, medium and low heat positions and an off position and having movable contacts mounted on a switch spindle, an interlocking mechanism comprising cam members mounted for movement with the switch spindles, means including an interlocking member engageable with said cam members and preventing movement of one switch into high heat position when another is in high



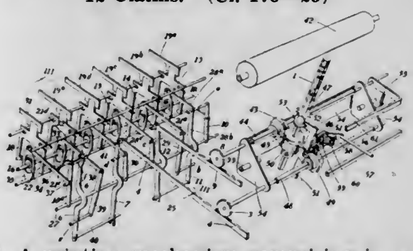
heat position but permitting at least two switches to occupy low and medium heat positions contemporaneously.

2,080,965
PROCESS OF PHOTOENGRAVING
Harry Funck, Chicago, Ill.
Application February 25, 1932, Serial No. 595,112
Renewed October 17, 1936
16 Claims. (Cl. 95—5.6)



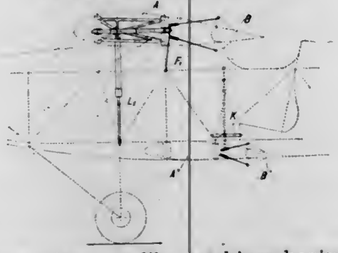
1. The process of making a light sensitive printing plate adapted to be processed for relief etching, consisting in applying a substantially liquid coating of light sensitive substance on the surface of a supporting base and fusing therewith while still in a substantially liquid state a second substantially liquid coating of light sensitive substance of lesser sensitivity thereover.

2,080,966
TRANSLATING MECHANISM FOR PRINTING OR RECORDING APPARATUS
Ronald George Griffith, Upper Warlingham, England
Application June 10, 1935, Serial No. 25,919
In Great Britain July 19, 1934
12 Claims. (Cl. 178—25)



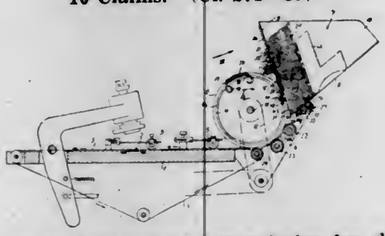
1. A printing mechanism comprising in combination, a pair of mechanical aggregate motion systems, a plurality of groups of type-bars, printing characters mounted on said type-bars, a registering member mounted to slide and connected to one of said aggregate motion systems to be positioned thereby, a plurality of resiliently mounted pins supported on said registering member and each located so as to register respectively with each of one of said groups of type-bars in the different positions of said registering member, a plurality of actuators each associated with one of said pins, power means for operating said actuators and a second slidably mounted registering member connected to the other of said aggregate motion systems to be positioned thereby and shaped to permit operation of one of said actuators only in accordance with the selected setting of said second registering member.

2,080,967
AIRPLANE
Alberto Jona, Milan, Italy
Application June 28, 1934, Serial No. 732,904
In Italy July 6, 1933
2 Claims. (Cl. 244—75)



1. In airplanes or like machines having more than one complete wing extending laterally across the fuselage and including a substantially equal portion on each side of the fuselage, the said portions being fixed relative to each other, a hinge connection between one complete wing and the fuselage, to permit free deflections between them about an axis extending longitudinally of the fuselage, ailerons fitted to said hinged wing, means operatively connected to said ailerons and the fuselage, to automatically operate said ailerons upon any deflection of the fuselage with respect to the hinged wing, ailerons fitted to a fixed wing, and means to operate said ailerons by hand.

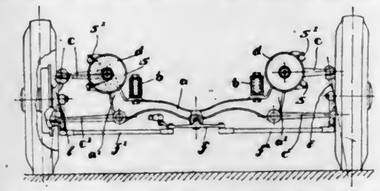
2,080,968
AUTOMATIC FEEDING DEVICE
Joseph Krell, Berlin-Zehlendorf, Germany
Application August 21, 1936, Serial No. 97,254
In Germany August 23, 1935
10 Claims. (Cl. 271—39)



1. In an automatic feeding device for sheets of paper and like material, a magazine adapted to receive the stacked sheets edgewise, an inclined bottom to the said magazine, rollers for withdrawing the sheets from the said magazine, a front wall to the said magazine terminating above the points of engagement of the said rollers against the said sheets, a resilient bar extending beyond the said front wall and adapted to support the foremost sheets of the stack, a facing to the said bar, and a stop on the front wall of the magazine so disposed that it bears between the said rollers, above said resilient bar and below the lower edge of the said front wall against the front surface of the stack of sheets.

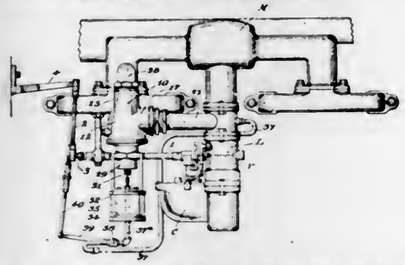
2,080,969
AUTOMOBILE VEHICLE HAVING INDEPENDENTLY-SPRUNG ROAD WHEELS
Colin Macbeth, Birmingham, England
Application January 8, 1936, Serial No. 58,207
In Great Britain December 20, 1934
11 Claims. (Cl. 280—124)

1. In an independent wheel-suspension system of the type referred to, the combination of a chassis frame having a horizontal side frame member; a horizontal cross member extending transversely of and connected to said side frame member; an end bracket on said cross member; a wheel-suspension link; a shaft anchored to said end bracket and extending substantially parallel to said side frame member, said wheel-suspension link being journaled on said shaft for pivotal movement thereon about an axis substantially



parallel to said side frame member; a torque-spring device comprising a torque member, a static member, and means for yieldably resisting relative rotary movement between said torque and static members; means for anchoring the wheel-suspension link to the torque member of said torque-spring device; and means for anchoring the static member of said torque-spring device to said shaft.

2,080,970
INTERNAL COMBUSTION MOTOR
Thomas Clarence Marshall, Yorklyn, Del.
Application July 2, 1935, Serial No. 29,531
17 Claims. (Cl. 123—124)

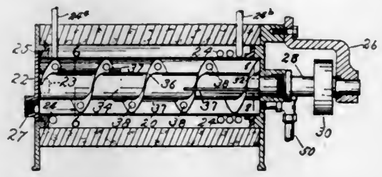


1. The combination with the intake line of an internal combustion motor, including a throttle valve in said line and actuating mechanism for the valve, of a normally closed air valve for opening to admit air into the intake line to prevent increase of vacuum therein, means applying a force to said air valve to maintain the valve closed against the valve opening force of a predetermined maximum vacuum in the intake line, said valve opening against the force of said means by an increase in the intake vacuum above said maximum, and a normally inactive means for applying additional closing force to said air valve, said normally inactive means rendered active to increase the closing force on the valve when the motor throttle valve is in a predetermined motor operating position.

2,080,971
FREEZING AND DISPENSING MACHINE
Harry M. Oltz, Miami, Fla.
Application November 6, 1935, Serial No. 48,458
4 Claims. (Cl. 259—9)

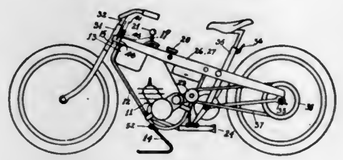
1. A freezing and dispensing machine including a freezing cylinder having intake and discharge ports at opposed ends thereof, a removable shaft having a square indentation in one

end thereof within said cylinder, an apertured conveyor on the shaft, the inner edge of said conveyor being secured to said shaft and the periferal edge thereof extending to a point closely adjacent the inner wall of the freezing cylinder,



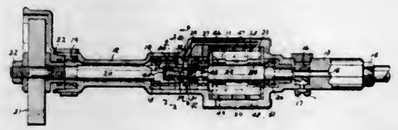
a permanently positioned shaft extending into the intake end of said cylinder, said removable shaft being in alignment with said permanent shaft and operably connected thereto, and means for rotating said conveyor.

2,080,972
QUICKLY DEMOUNTABLE LIGHT MOTORCYCLE
Hans Seehase, Berlin, Germany
Application May 6, 1933, Serial No. 669,667
In Germany August 24, 1932
4 Claims. (Cl. 180—33)



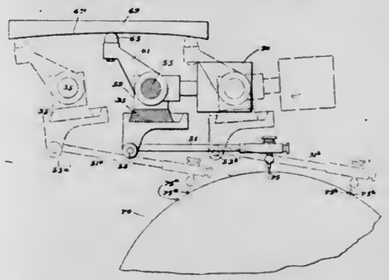
2. In a demountable light motorcycle, a main girder consisting of a plurality of beams running from the front fork to the rear axle, the cross-section of said girder being variable along its axis to form a structure of equal strength at any point, a complete selfcontained power plant mounted in a separate frame having guide pins and stops fitting into said girder, a locking bolt hinged to said motor frame, a slotted bridge transversely connecting the longitudinal, parallel members of said girder, said locking bolt being slidable into the slot of said slotted bridge whereby said power plant in its frame may be locked to said girder.

2,080,973
ROTARY TOOL
Lloyd G. Speth, Claridon, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application July 23, 1934, Serial No. 736,511
8 Claims. (Cl. 121—34)



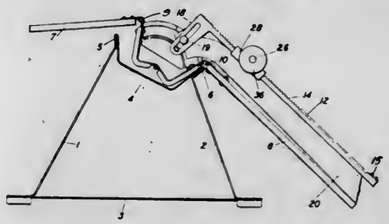
4. In a portable tool, the combination of a fluid actuated rotatable member, a load receiving member, a connection between said members for transmitting the rotation of the former to the latter, means included in said connection whereby said members are capable of relative rotation, and means on each of said members capable of interengagement for limiting said relative rotation and transmitting the rotation of said rotatable member to said load receiving member independently of said connection.

2,080,974
PANTOGRAPH
Edwin W. Stone, Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn., a corporation of Massachusetts
Application July 28, 1936, Serial No. 93,000
7 Claims. (Cl. 33—21)



1. In a pantograph for transcribing a design from a pattern to a surface which does not lie in a plane parallel to the face of the pattern, the combination of a pattern-following tracer point, scribing means for marking the surface, linkage connected at one end to the said tracer point and at its other end to the scribing means adapted to move the scribing means over the surface upon movement of the tracer point over the pattern and means adapted to impart movement to the said linkage independent of the movement imparted to it by movement of the tracer point, to correct distortions arising from the movement of the scribing means in following said surface.

2,080,975
LINE FINDER FOR LOOSE LEAF BINDERS
Nelson S. Welk, Athens, Ohio, and Fred Hocker, Harrisburg, Pa., assignors to The McBee Company, Athens, Ohio, a corporation of Ohio
Application July 26, 1935, Serial No. 33,196
3 Claims. (Cl. 129—1)



1. In a device of the character described, the combination with a loose leaf book having leaf binding members, of a frame having parallel racks at each side, a journal box slidably mounted on each of said racks, said boxes being formed with upwardly extending lugs having journal bearings in them, a rotating shaft mounted in said bearings, pinions fixed on said shaft in mesh

with the racks, a line finder connected to said rotating shaft, said finder having a flat portion provided with a knife edge, upwardly extending ears at the ends of said flat portion having openings therein through which the shaft passes, and means to detachably secure said frame to the binding members of said loose leaf book.

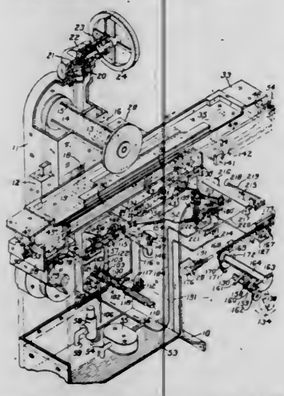
2,080,976

HYDRAULICALLY OPERATED SURFACE GRINDING MACHINE

Wallace H. Wood, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application July 1, 1935, Serial No. 29,225

10 Claims. (Cl. 51—233)



1. A grinding machine comprising a base, a rotatable grinding wheel, a vertically movable slide to support said wheel slide, a transversely movable carriage on said base, a longitudinally reciprocable work table on said carriage, means to feed the wheel slide toward and from the work table, means including a hydraulically actuated pawl and ratchet mechanism to cause a transverse feeding movement of said carriage, means including a piston and cylinder operatively connected between said carriage and table to reciprocate the table longitudinally, means including a lever and reverse valve to automatically change the direction of movement of said table, and a fluid pressure mechanism independent of said fluid pressure table reciprocating mechanism including a control valve actuated in timed relation with the reverse lever to actuate said pawl and ratchet mechanism at either or both ends of the table stroke to cause a transverse feeding movement of the carriage.

2,080,977

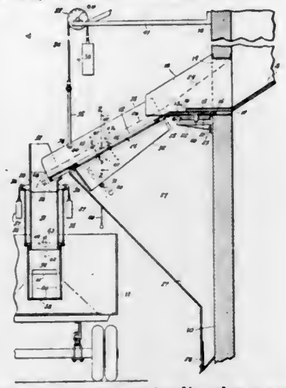
MECHANISM FOR SCREENING AND TRANSFERRING COAL AND THE LIKE

Joseph A. Albrecht, Buffalo, N. Y., assignor to Bettinger Coal & Coke Corp., Buffalo, N. Y., a corporation of New York

Application March 6, 1933, Serial No. 659,728

4 Claims. (Cl. 209—246)

1. A mechanism for transferring solid, friable fuel comprising: a bin adapted to contain said friable fuel and having a vertical side wall in which is an opening; a horizontally disposed adjustable shelf arranged below said opening and extending laterally therebeyond and adapted to receive on its upper face the friable fuel emanating from said opening, the outer edge of said shelf being adapted to be disposed inwardly of the line of repose of said friable fuel flowing



from said opening; and an inclined screen pivoted to the outer edge of said shelf.

2,080,978

METHOD OF TAKING ORIENTED CORES

Walter L. Church, Houston, Tex., assignor to C-M-P Fishing Tool Corporation, Harris County, Tex., a corporation of Texas

Application August 27, 1936, Serial No. 98,147

2 Claims. (Cl. 255—72)



1. The method of taking a sample of the earth formation in a well which comprises lowering a drill stem and drill into the well in a predetermined position, lowering a core taking apparatus through the drill stem, operatively connecting the core taking apparatus with the drilling apparatus and in a predetermined position relative to the drilling apparatus, rotating the drilling apparatus to form a core and to cause the core to enter the core taking apparatus, withdrawing the core taking apparatus and core to the ground surface, relating the core, as taken, to the predetermined position of the drill stem to determine the natural inclination of the core strata.

2,080,979

SNAP FASTENER STUD

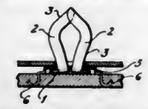
Joseph F. Cox, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application June 13, 1933, Serial No. 675,585

3 Claims. (Cl. 24—213)

1. A snap fastener stud of the class described formed from a single piece of flat ribbon-like sheet metal bent edgewise upon itself, said stud

having a substantially U-shaped base comprising a pair of arms and a portion connecting said arms at one end, said arms converging toward their free ends, and a socket-engaging projection



extending directly from each of the free ends of said arms away from the plane of said base at that edge of the base opposite the connecting portion.

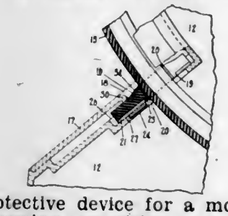
2,080,980

MOVING STAIRWAY HANDRAIL PROTECTIVE DEVICE

George Everett Fiedler, Bloomfield, N. J., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application October 28, 1935, Serial No. 47,059

6 Claims. (Cl. 198—16)



1. A protective device for a moving stairway handrail opening comprising, a guard of deformable elastic material fitting around the handrail with a small clearance, means for preventing bodily deflection of said guard, and means for securing said guard and said deflection preventing means in place in said opening.

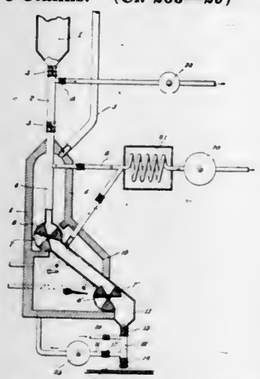
2,080,981

PROCESS AND APPARATUS FOR THE PRODUCTION OF LIME AND CARBON DIOXIDE

George H. Haas, Lakeville, Conn.

Application July 15, 1936, Serial No. 90,637

5 Claims. (Cl. 263—29)



1. A process for producing substantially pure lime and carbon dioxide which comprises passing a thin layer of granulated limestone over the floor of an inclined substantially airtight conduit so as to form a layer of substantially a single thickness of limestone thereon, evacuating the air from said conduit, applying heat uniformly over the outside bottom of said conduit, whereby the granules of limestone are uniformly heated during their passage through said conduit and carbon dioxide is separted from said limestone, withdrawing the carbon dioxide from adjacent the top end of the inclined conduit, withdrawing the lime in an unadulterated condition from the bottom end of said inclined conduit, and cooling said lime with air and out of contact with the carbon dioxide so as to prevent the reabsorption of carbon dioxide.

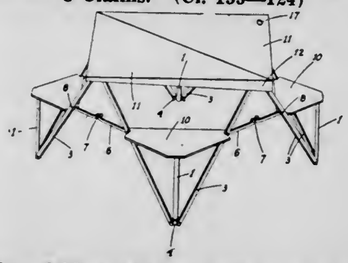
2,080,982

KNOCK-DOWN PORTABLE TABLE

Ian Macdonald, Modesto, Calif.

Application August 17, 1936, Serial No. 96,458

3 Claims. (Cl. 155—124)



1. In a folding table and seat unit, a foldable table and seat supporting frame comprising table supporting units each consisting of a pair of upwardly converging members hingedly connected together adjacent their upper ends, normally horizontal seat supporting and brace units each consisting of a pair of straps pivoted together centrally between the members and pivoted intermediate their ends on the latter intermediate the ends thereof, lower tubular leg elements at the corners of adjacent table supporting units, means pivotally connecting the members at the bottom on the elements, upper leg elements slidably engaging in said tubular elements, and means pivoting the brace straps at their ends on the upper elements at the top thereof and also limiting the downward movement of the same into the tubular elements when the brace units are horizontally disposed.

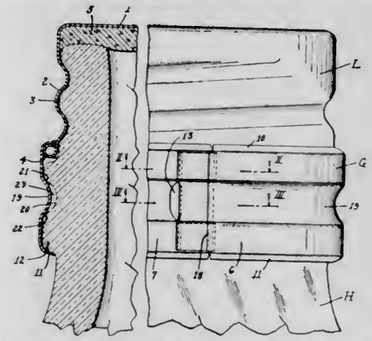
2,080,983

RECEPTACLE CLOSURE

Augustus L. Merolle, Brooklyn, N. Y.

Application November 22, 1933, Serial No. 699,183

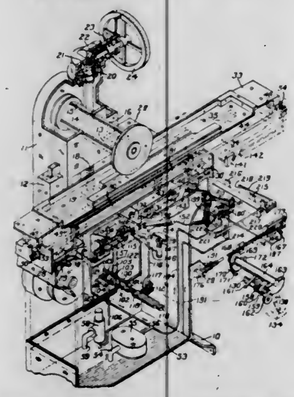
14 Claims. (Cl. 215—95)



1. A receptacle closure comprising a cap member and a separately formed retaining band removable to permit removal of the cap, and the band having opposite circumferential end portions interfolded with each other to hold the ends band having opposite circumferential end por-

with the racks, a line finder connected to said rotating shaft, said finder having a flat portion provided with a knife edge, upwardly extending ears at the ends of said flat portion having openings therein through which the shaft passes, and means to detachably secure said frame to the binding members of said loose leaf book.

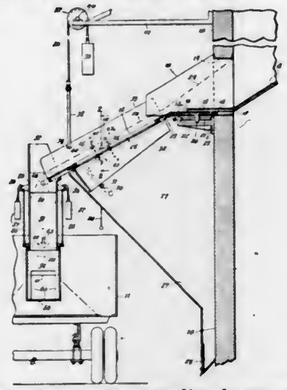
2,080,976
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10 Claims. (Cl. 51—233)



1. A grinding machine comprising a base, a rotatable grinding wheel, a vertically movable slide to support said wheel slide, a transversely movable carriage on said base, a longitudinally reciprocable work table on said carriage, means to feed the wheel slide toward and from the work table, means including a hydraulically actuated pawl and ratchet mechanism to cause a transverse feeding movement of said carriage, means including a piston and cylinder operatively connected between said carriage and table to reciprocate the table longitudinally, means including a lever and reverse valve to automatically change the direction of movement of said table, and a fluid pressure mechanism independent of said fluid pressure table reciprocating mechanism including a control valve actuated in timed relation with the reverse lever to actuate said pawl and ratchet mechanism at either or both ends of the table stroke to cause a transverse feeding movement of the carriage.

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1. A mechanism for transferring solid, friable fuel comprising: a bin adapted to contain said friable fuel and having a vertical side wall in which is an opening; a horizontally disposed adjustable shelf arranged below said opening and extending laterally therebeyond and adapted to receive on its upper face the friable fuel emanating from said opening, the outer edge of said shelf being adapted to be disposed inwardly of the line of repose of said friable fuel flowing



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2,080,978
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2 Claims. (Cl. 255—72)

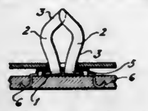


1. The method of taking a sample of the earth formation in a well which comprises lowering a drill stem and drill into the well in a predetermined position, lowering a core taking apparatus through the drill stem, operatively connecting the core taking apparatus with the drilling apparatus and in a predetermined position relative to the drilling apparatus, rotating the drilling apparatus to form a core and to cause the core to enter the core taking apparatus, withdrawing the core taking apparatus and core to the ground surface, relating the core, as taken, to the predetermined position of the drill stem to determine the natural inclination of the core strata.

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3 Claims. (Cl. 24—213)

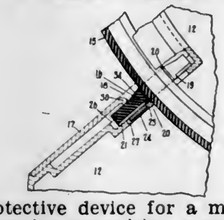
1. A snap fastener stud of the class described formed from a single piece of flat ribbon-like sheet metal bent edgewise upon itself, said stud

having a substantially U-shaped base comprising a pair of arms and a portion connecting said arms at one end, said arms converging toward their free ends, and a socket-engaging projection



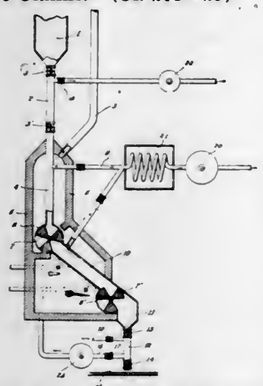
extending directly from each of the free ends of said arms away from the plane of said base at that edge of the base opposite the connecting portion.

2,080,980
MOVING STAIRWAY HANDRAIL PROTECTIVE DEVICE
George Everett Fiedler, Bloomfield, N. J., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
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6 Claims. (Cl. 198—16)



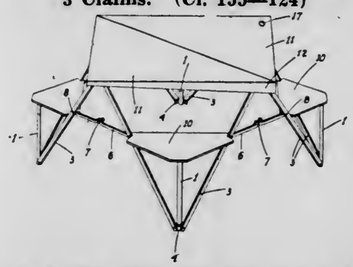
1. A protective device for a moving stairway handrail opening comprising, a guard of deformable elastic material fitting around the handrail with a small clearance, means for preventing bodily deflection of said guard, and means for securing said guard and said deflection preventing means in place in said opening.

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PROCESS AND APPARATUS FOR THE PRODUCTION OF LIME AND CARBON DIOXIDE
George H. Haas, Lakeville, Conn.
Application July 15, 1936, Serial No. 90,637
5 Claims. (Cl. 263—29)



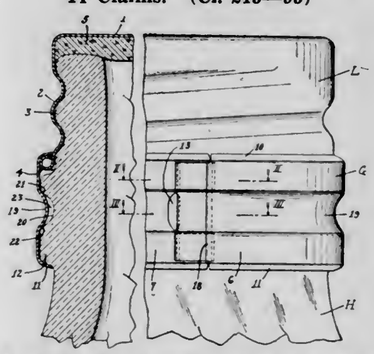
1. A process for producing substantially pure lime and carbon dioxide which comprises passing a thin layer of granulated limestone over the floor of an inclined substantially airtight conduit so as to form a layer of substantially a single thickness of limestone thereon, evacuating the air from said conduit, applying heat uniformly over the outside bottom of said conduit, whereby the granules of limestone are uniformly heated during their passage through said conduit and carbon dioxide is separted from said limestone, withdrawing the carbon dioxide from adjacent the top end of the inclined conduit, withdrawing the lime in an unadulterated condition from the bottom end of said inclined conduit, and cooling said lime with air and out of contact with the carbon dioxide so as to prevent the reabsorption of carbon dioxide.

2,080,982
KNOCK-DOWN PORTABLE TABLE
Ian Macdonald, Modesto, Calif.
Application August 17, 1936, Serial No. 96,458
3 Claims. (Cl. 155—124)



1. In a folding table and seat unit, a foldable table and seat supporting frame comprising table supporting units each consisting of a pair of upwardly converging members hingedly connected together adjacent their upper ends, normally horizontal seat supporting and brace units each consisting of a pair of straps pivoted together centrally between the members and pivoted intermediate their ends on the latter intermediate the ends thereof, lower tubular leg elements at the corners of adjacent table supporting units, means pivotally connecting the members at the bottom on the elements, upper leg elements slidably engaging in said tubular elements, and means pivoting the brace straps at their ends on the upper elements at the top thereof and also limiting the downward movement of the same into the tubular elements when the brace units are horizontally disposed.

2,080,983
RECEPTACLE CLOSURE
Augustus L. Merolle, Brooklyn, N. Y.
Application November 22, 1933, Serial No. 699,183
14 Claims. (Cl. 215—95)



1. A receptacle closure comprising a cap member and a separately formed retaining band removable to permit removal of the cap, and the band having opposite circumferential end portions interfolded with each other to hold the ends band having opposite circumferential end por-

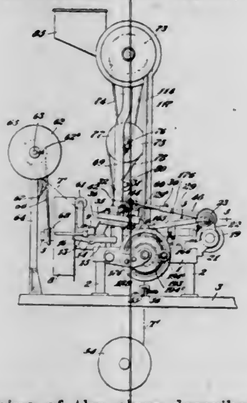
tions being folded back upon itself, at least one of the interfolded end portions having a line of weakness formed thereacross of a character permitting unfolding of said end portions but rendering said portions incapable of refolding without fracture along said line of weakness.

2,080,984

APPARATUS FOR ATTACHING FASTENERS

Constant A. Miserez, Montreal, Quebec, Canada, assignor to G. E. Prentice Manufacturing Company, Berlin, Conn., a corporation of Connecticut

Application January 21, 1935, Serial No. 2,742
31 Claims. (Cl. 153—1)



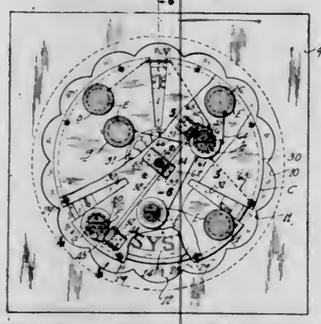
1. A machine of the class described comprising stringer tape feeding means operative uninterruptedly to move a stringer tape step-by-step longitudinally at a substantially uniform rate, uninterruptedly acting unit-presenting means including a rotary unit carrier operative to deliver units one after another in position to be secured to the stringer tape, and unit supply means normally operative to deliver units in uninterrupted succession to the presenting means, said supply means including delivery interrupting means operative at regular intervals to intermit the delivery of units to the presenting means for a predetermined period while the rotary unit carrier continues to turn thereby to separate the units into distinct spaced series.

2,080,985

STROBOSCOPIC SIGN

Curtis O'Connor, Alton, and Edward Lee, East St. Louis, Ill.

Application May 10, 1935, Serial No. 20,810
9 Claims. (Cl. 40—5.2)



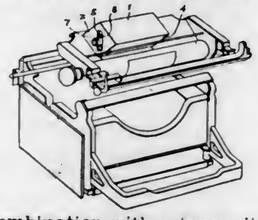
1. A sign comprising, in combination, a plurality of light-sources some of which having a periodically varying intensity and position of luminescence, means for intermittently deenergizing some of said light-sources, means for varying the luminosity of said last-named light-sources, and means for circumvolving the light-sources in unison for impressing on the vision a configurated luminous pattern collectively formed by the several light-sources.

2,080,986

LABEL ROLL CONTAINER

Oscar H. Pierce, Toronto, Ontario, Canada, assignor to Monarch Marking System Limited, Toronto, Ontario, Canada

Application May 15, 1935, Serial No. 21,590
4 Claims. (Cl. 197—133)



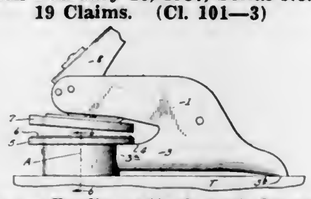
1. The combination with a typewriter to which a rolled strip of labels is to be fed, of a box enclosing said rolled strip having slots through the ends, a core secured centrally of the rolled strip and projecting through said slotted ends to form finger grips, said box being adapted to be supported by the typewriter carriage with two of its sides diverging upwardly from opposite sides of a substantially vertical plane with the said slots disposed in said vertical plane whereby the roll is permitted to rest in the lower angled corner of the box in frictional braking contact with the said diverging sides while unrolling, said finger grips providing means for readily rolling the unwound labels back upon the roll when the required length of the roll has been typed.

2,080,987

BASE ATTACHMENT FOR POCKET SEAL PRESSES

Charles Priesmeyer, Park Ridge, Ill., assignor to Gustav A. J. Meyer, Chicago, Ill.

Application February 16, 1937, Serial No. 126,028
19 Claims. (Cl. 101—3)



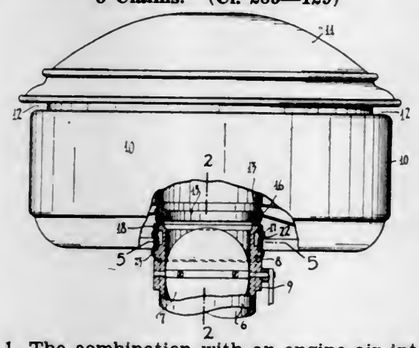
1. A base-affording attachment for a pocket type seal press which includes a counter seated upon and projecting laterally beyond both sides of a U-sectioned lower frontal portion of the body of the press, comprising: a base member including opposed riser parts of a uniform height greater than that of the said press body portion, the said riser parts being horizontally spaced by a distance not less than the spread of the said body portion, so that the said body portion can be slid forwardly between the said riser parts to cause the counter of the press to slide upon the upper edges of these riser parts; and clamping means associated with the base member and disposed for pressing downwardly against the interior of the said U-sectional frontal portion of the press to clamp the counter of the press downward upon the said riser parts of the said base member.

2,080,988

COUPLER FOR CONNECTING AIR CLEANERS TO CARBURETORS

William H. Schulz, Minneapolis, Minn., assignor to Donaldson Company, Inc., St. Paul, Minn., a corporation of Minnesota

Application May 9, 1935, Serial No. 20,577
8 Claims. (Cl. 285—129)



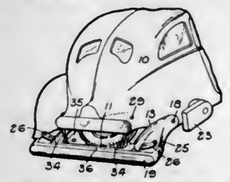
1. The combination with an engine air intake tube having an outstanding peripheral rib located below its extreme upper end, of an air cleaner having a depending air delivery tube adapted to be telescoped over that portion of the upper end of said engine intake tube that is above said rib, an annular gasket secured within the air delivery tube of said air cleaner for engagement with the upper end of said carburetor intake tube, means independent of said gasket for positively limiting inward telescoping movements of the tubes to a position wherein the gasket is partially compressed to a predetermined extent, the depending end of the air delivery tube to said air cleaner having an outwardly pressed bead located below said gasket, and a clamping collar interlocked to the air delivery tube of said air cleaner and having a depending cam-acting flange engageable with the rib of the air intake tube of said engine and having a drawing action thereon for drawing said gasket against the upper end of said engine air intake tube.

2,080,989

VEHICLE

Sydney Smith, Chobham, England

Application March 4, 1936, Serial No. 67,034
In Great Britain December 21, 1934
15 Claims. (Cl. 293—55)



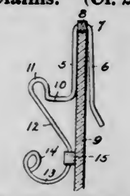
1. In an automobile vehicle a spare wheel carrier, a spare wheel in said carrier, resilient pivot means for mounting said wheel carrier beneath the base of the vehicle, a resilient bumper carried by said wheel carrier, said bumper comprising an inner rubber body, and an enclosing cover therefor and means for retaining said wheel carrier in a position closely adjacent the base of the vehicle but permitting movement of said carrier to facilitate removal of a spare wheel and the arrangement being that the spare wheel operates as a resilient buffer between the bumper and the body and external blows are absorbed firstly by the resilient bumper and secondly by the spare wheel and the resilient pivot means for the wheel carrier.

2,080,990

GARMENT HANGER FOR AUTOMOBILES

William T. Weekley, Atlanta, Ga.

Application August 3, 1936, Serial No. 94,067
2 Claims. (Cl. 248—215)



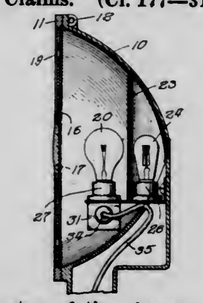
2. The combination with a garment hanger of the type comprising a single piece of metal bent to form an upper part adapted to snugly engage over the upper edge of an automobile window, a lower part adapted to bear against a side face of the glass of the window, and a connecting resilient member between said two parts which is placed under tension when said upper part is engaged over the upper edge of the glass pane of an automobile window and which tends to move said lower part toward the side face of said window; of a rubber cushioning and gripping member carried by said lower part opposite its point of contact with the glass of the window, which member is thrust bodily toward the glass of the window under the tension of the connecting member to forcibly engage an object to be held between said member and the face of the glass.

2,080,991

WARNING SIGN

Hugh E. Young, Chicago, Ill.

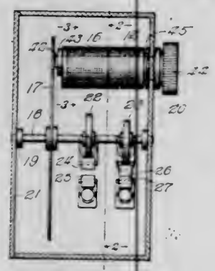
Application December 7, 1934, Serial No. 756,536
3 Claims. (Cl. 177—311)



1. In apparatus of the character described, a casing having a front closure member provided with openings for giving visual indications, said casing having a rearward opening for giving a visual indication, a shelf within said casing, two lamps mounted upon said shelf, a third lamp mounted upon said shelf between and in rear of said two lamps, a shield mounted upon said shelf between said two lamps and said third lamp and forming with said casing an enclosure for said third lamp effective for excluding from said rear-

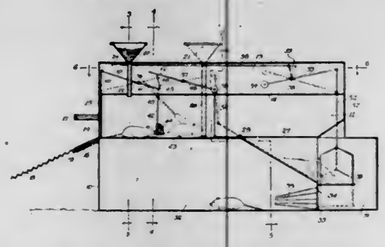
ward opening light from either of said two lamps, a container supported by said shelf therebeneath and adapted to contain circuit control means for said lamps.

2,080,992
INDUCTION DISK MOTOR
Hugh E. Young, Chicago, Ill.
Application May 11, 1935, Serial No. 21,045
2 Claims. (Cl. 172—278)



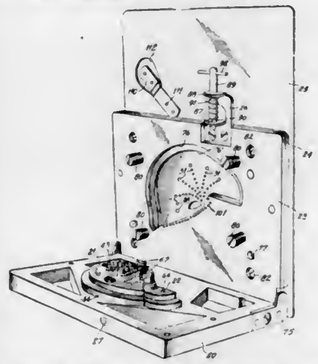
1. In an induction disk motor, a casing, a conducting disk rotatably mounted in said casing, an electro-magnet comprising a core and a surrounding winding projecting inward from a wall of the casing, the inner end of the core being in proximity to one face of said disk and provided with an eccentric lengthwise projection of reduced cross-section, a shading coil disposed about said projection, the outer end portion of said core being rotatably mounted through said wall, and means mounting said electro-magnet on said wall and holding it against endwise movement comprising a handle secured upon the outer end of said core for rotating the latter and cooperating with said wall for preventing relative inward movement of said core.

2,080,993
ANIMAL TRAP
George Zaninovich, Dinuba, Calif.
Application November 11, 1936, Serial No. 110,236
5 Claims. (Cl. 43—76)



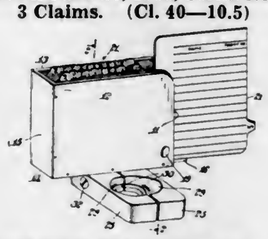
1. An animal trap comprising a lower casing or receptacle, an upper entrance casing above the first-mentioned casing having an entrance opening, a vertically movable door adapted to close said opening, a trigger operatively engaged with the door and adapted to hold the door in elevated position, a bait receptacle on the trigger adapted to be operated by an animal to release the door and permit the same to fall, a pivoted trap door in the floor of the entrance casing, door-resetting means operated by the trap door when moved by the weight of an animal, to elevate and reset the door, a bait-feeding hopper discharging into the entrance casing, an elevator on to which animals are directed by the trap door, and a valve controlling the passage of bait from said hopper operatively connected to said elevator.

2,080,994
PERFORATING DIE
Arthur W. Altvater, University City, Mo.
Application May 2, 1935, Serial No. 19,392
34 Claims. (Cl. 164—93)



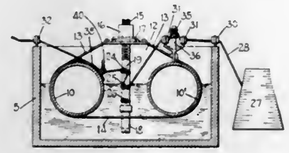
28. A device of the kind described, including a die block plate, a die unit, interengaging means on said block and said die unit for removably supporting the unit on the block, a plate hinged to the block, additional die means on the plate, and adapted to be brought into cooperative relation to said die unit by swinging said plate on its hinges, a base plate, means securing the base plate to the hinged plate, a stripper plate, means resiliently maintaining the stripper plate in spaced relation to said dies, a gage with securing elements, and cooperating elements on the stripper plate for removably securing the gage thereto, said gage comprising any selected one of the series of gages all of which have the same securing means whereby the proper gage may be employed for a given arrangement of said dies.

2,080,995
TELEPHONE INDEX
David Baker and David Baker, Jr., Rosemont, Pa., assignors to Robert O. Blackwood, Melbourne, Victoria, Australia
Application June 20, 1936, Serial No. 86,232
3 Claims. (Cl. 40—10.5)



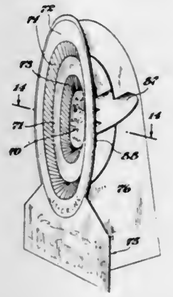
2. In a card index, the combination of a pack of index cards and a case for holding the same, open at the top and at one end, a pivot near the lower open end for securing the cards, clamping members pivotally secured to the bottom of the case having complementary recesses for embracing a telephone part and means for securing same in clamping position, said clamping members having inclined surfaces for engaging the bottom of the case for permanently holding the case inclined to the perpendicular.

2,080,996
MOISTENING MECHANISM FOR FEEDING THREADS
Ralph M. Bashore, Womelsdorf, Pa.
Application August 15, 1936, Serial No. 96,173
10 Claims. (Cl. 66—125)



1. In a moistening mechanism for feeding threads, the combination with a liquid container, of thread-guide means in said container comprising parallel float members spacedly connected and carrying between them a parallel thread-guide rod positioned by said floats in determined vertical relation to the container liquid level.

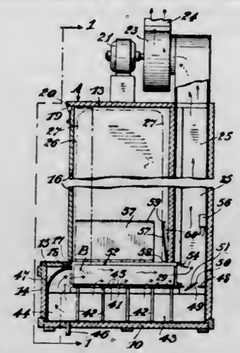
2,080,997
KNOCK-DOWN DISPLAY DEVICE
Abraham Beckelman, New York, N. Y.
Application February 24, 1937, Serial No. 127,374
18 Claims. (Cl. 40—126)



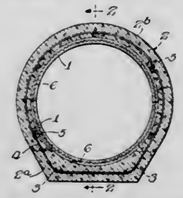
1. In a knock-down display device of the character described, an integral flat blank of bendable sheet material provided with an ornamental portion comprising two spaced areas with a slitted panel between them, the slitted panel being divided into a series of louvers by spaced slits, the slits permitting a shifting movement of one area relative to the other to position said areas in offset planes, whereby said louvers assume spaced positions in offset oblique planes.

2,080,998
AIR CONDITIONING APPARATUS
Robert T. Brizzolara, New Dorp, Staten Island, N. Y.
Application September 6, 1935, Serial No. 39,430
19 Claims. (Cl. 62—133)

1. An air conditioning apparatus having means forming a chamber for containing ice bodies, means to transfer and conduct heat through metal elements disposed to support the ice bodies and comprising upwardly directed heating elements and a grid composed of spaced-apart plates forming lanes in which ice fins may form for contact by air passing along the lanes, said heating elements being effective, when operated, to melt supported ice therearound and permit same to descend to find support upon said plates.



2,080,999
CONDUIT
Paul T. Cooney, Los Angeles, Calif.
Application August 8, 1935, Serial No. 35,275
5 Claims. (Cl. 138—86)

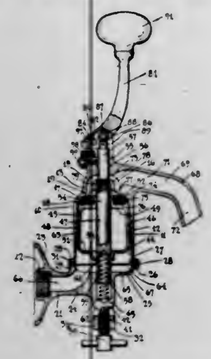


1. In combination, in a conduit of the character described, an inner liner comprising monolithic precast sections each approximately conforming in cross-section to one-half of the interior cross-section of the conduit, said sections being laid in lengthwise overlapping relation with the joints between the ends of sections spaced apart and each section extending across and reinforcing the joint between the two next adjacent cooperating sections, an outer shell comprising a base portion in which the lower portion of the liner is bedded and a body portion extending from the said base portion and enclosing said liner, spacing blocks disposed about the liner in contact therewith, and tie wires anchored in said base portion of the shell and secured about said blocks and cooperating with the latter for holding said liner sections in position, said shell being cast about said liner as a permanent inner form for said shell and enclosing said wires and blocks, said inner liner remaining in place and the inner surface thereof constituting the permanent inner surface of the conduit, said shell being continuous and free of joints throughout its length.

2,081,000
BEER FAUCET
Richard T. Cornelius, Minneapolis, Minn.
Application October 23, 1935, Serial No. 46,306
10 Claims. (Cl. 225—6)

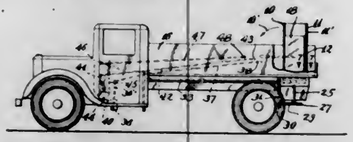
10. A beer faucet comprising a body having a conical bore, a constriction in said bore forming a a valve seat, a member within said bore having a conical surface concentric with said bore to form an annular passageway therebetween, a valve member on said first named member adapted to seat against said seat, means for

guiding said first named member for longitudinal movement within said bore, to bring said valve member into engagement with said seat, said body having a spheroidal chamber at the



end thereof formed with the constriction and separated from said annular passageway by said constriction, a spout communicating with said spheroidal chamber and means for directing beer into the other end of said passageway.

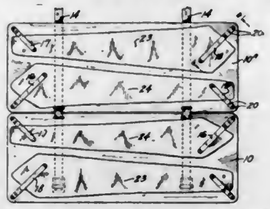
2,081,001
ICE MILLING MACHINE
Pasquale Coscia, New York, N. Y.
Application August 13, 1936, Serial No. 95,733
5 Claims. (Cl. 83—62)



1. An ice milling machine comprising a chute with an open side for receiving a cake of ice, a slide for closing said side to hold a cake of ice in said chute, a disc cutter coaxial with said chute and transversely across the bottom thereof and having radial cutting elements starting at the center, means for rotating said disc cutter, and means for holding a cake of ice from moving downwards in said chute, comprising a lever pivotally mounted and supporting a pin adapted to engage through an opening in the side of the chute and abut the cake of ice disposed within said chute to force the cake of ice against the opposed side of the chute.

2,081,002
HOLDER FOR NECKTIES OR THE LIKE
Albert R. Curtis, Milwaukee, Wis.
Application June 10, 1935, Serial No. 25,758
2 Claims. (Cl. 38—72)

1. A holder for neckties comprising a flat, rectangular body portion of a length to receive a necktie which has been transversely folded and which lies entirely on one side of the body portion, and a plurality of pairs of spring clips secured to the body, each pair of clips including a relatively long clip adjacent one end of the body and extending angularly inwardly for yielding engagement with the wide end of the folded necktie, and a shorter clip adjacent the other end of the body for yielding engagement with the narrow end of the necktie, the long and short clips of an adjacent pair being at opposite ends of the body from the long and short clips respectively of



the first-mentioned pair to provide for reversal of position of adjacent neckties.

2,081,003
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application December 31, 1934, Serial No. 760,028
5 Claims. (Cl. 196—4)

1. A process for breaking a petroleum emulsion of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a non-cyclic bisulfite addition product of a non-carboxy aldehyde obtained by thermal decomposition of an oxy unsaturated fatty body.

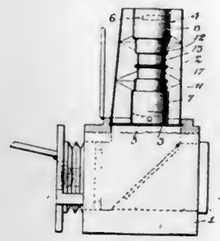
2,081,004
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Arthur F. Wirtel, Kirkwood, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application September 18, 1936, Serial No. 101,432
11 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a substituted cyclohexylamine salt of an alkylated naphthalene sulfonic acid in which at least one alkyl group substituted in the naphthalene nucleus contains at least three carbon atoms and not more than ten carbon atoms; the substituent of the cyclohexylamine radical being a hydrocarbon radical.

2,081,005
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Arthur F. Wirtel, Kirkwood, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application September 18, 1936, Serial No. 101,436
12 Claims. (Cl. 196—4)

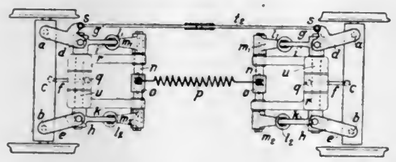
1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a polyhydric alcohol substituted phenyl alkylamine salt of an alkylated naphthalene sulfonic acid in which at least one alkyl group substituted in the naphthalene nucleus contains at least three carbon atoms and not more than ten carbon atoms.

2,081,006
GROUND GLASS FOCUSING ATTACHMENT
William H. Gallaway, White Plains, N. Y.
Application September 23, 1936, Serial No. 102,089
1 Claim. (Cl. 95—44)



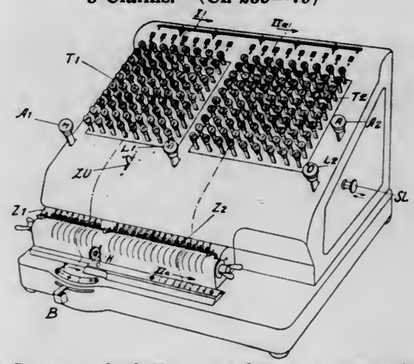
A device for enlarging an image on the ground glass of a camera comprising a telescoping body adapted to have one end positioned against said ground glass and a double convex lens positioned interiorly and near each end of said body whereby upon adjusting said body to secure a desired focus of said lenses an observer may see the image on said ground glass in an enlarged condition, said body being formed with a central tubular casing constructed of two parts screwed together, an auxiliary casing for each of said two parts, said auxiliary casings being of greater diameter than said central casing, and a primary casing at each end of said body into which said auxiliary casings and said central casing are adapted to nest, said primary casings carrying said lenses.

2,081,007
RAILWAY TRAIN CHASSIS
Carl Geissen, Berlin, Germany
Application June 5, 1935, Serial No. 25,056
In Germany November 2, 1931
11 Claims. (Cl. 105—176)



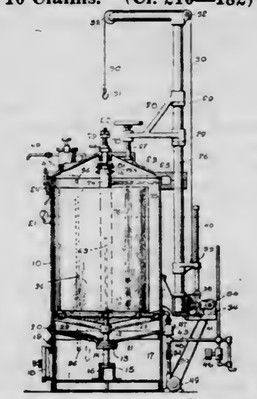
1. In railway cars of light construction, a car frame, an axle, a pair of supporting levers attached at one end to the axle by means of universal joints, said levers determining the lateral shift or displacement of the axle, a second pair of pivotally mounted levers for transmitting torsional moments upon the first pair and a pair of stiff springs engaging said second pair of levers and resisting said torsional moments caused by a shift in weight and a guide member which is disposed out of the plane of the levers, said guide member having universal connections both with the axle and the car frame for maintaining the axle in the longitudinal direction, the two pairs of supporter levers of symmetrically opposite adjacent axle mechanisms being coupled together for steering movement in unison, and a common spring mechanism for absorbing vertical shocks being acted upon by said pairs of supporting levers.

2,081,008
CALCULATING MACHINE
Christel Hamann, Neu-Babelsberg, near Berlin, Germany, assignor to firm Deutsche Telephonwerke und Kabelindustrie Aktiengesellschaft, Berlin, Germany
Application November 4, 1932, Serial No. 641,165
In Germany November 11, 1931
3 Claims. (Cl. 235—79)



1. In a calculating machine, a revolution counter and a result mechanism, a multiplicand setting mechanism, a separate multiplier setting mechanism, both of said setting mechanisms being adapted to display the digits set, separate keyboards for actuating said setting mechanisms, a unitary carriage shiftable transversely in front of said setting mechanisms and carrying said revolution counter and said result mechanism positioned with said revolution counter aligned with said multiplier setting mechanism, means for simultaneously transferring the digits of the multiplier from the multiplier setting mechanism to the revolution counter of the carriage, a device for bringing said transferring means into action, a device for moving said carriage to disengage said revolution counter from said multiplier setting mechanism and to engage said result mechanism with said multiplicand setting mechanism, a device for bringing said multiplicand setting mechanism into action for carrying out the multiplication, and means operative to operate said first device, to render said second device effective and to operate said third device.

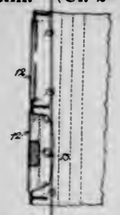
2,081,009
PRESSURE FILTER
Blaine Kelley, Charlotte, N. C.
Application May 13, 1935, Serial No. 21,244
10 Claims. (Cl. 210—182)



1. A pressure filter of the definitive type set

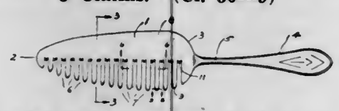
forth, a sludge chamber arranged under the filter chamber, the bottom of the filter chamber being dished toward a central opening in the bottom, a reciprocatory rotary rod carrying a valve for said opening, means for reciprocating as well as rotating said rod, and a scraper carried by said rod adapted to scrape the sludge on the dished bottom and deliver it to said opening.

2,081,010
CORSET
Joseph J. Kispert, Hamden, Conn., assignor to I. Newman & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application February 28, 1936, Serial No. 66,164
1 Claim. (Cl. 2—39)



A corset comprising a body having a pair of facing edges, a stiffening stay carried by said body adjacent each of said facing edges, said stays being of material capable of receiving stitching, a row of eyelets set back from each of said facing edges, a covering flap for each of said rows of eyelets and the stays adjacent thereto, and a plurality of spaced circumferentially extending rows of stitching extending from the edge of the respective flaps across the flaps and connecting the flaps for substantially their full width to said body whereby a plurality of pockets are presented, there being a plurality of eyelets in each pocket, said pockets being of sufficient length to permit lacings to be threaded through said eyelets without tearing the pockets and without permanently deforming said stiffening stays, said stays normally holding said facing edges and the edges of said flaps substantially taut.

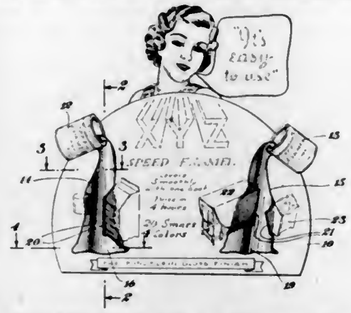
2,081,011
COMBINED CAKE BREAKER, PASTRY KNIFE, AND SERVER
Alfred J. Lautmann, Detroit, Mich., assignor to Iodent Chemical Company, Detroit, Mich., a corporation of Michigan
Application August 6, 1936, Serial No. 94,641
3 Claims. (Cl. 30—9)



1. A cake breaker, pastry knife, and server comprising a substantially flat elongated blade, a handle extending from said blade, said blade being slotted from one of its longer edges to form tines, said tines being pointed and edge-sharpened at their free ends, the slots between the tines being substantially as wide as the tines.

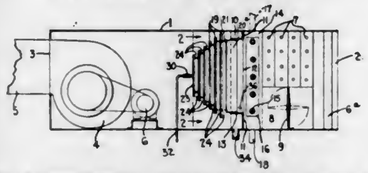
2,081,012
DISPLAY DEVICE
Nathan Joseph Leigh, Great Neck, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Application May 5, 1936, Serial No. 77,905
4 Claims. (Cl. 40—126)

1. In a display device, a panel depicting the source of a flowing stream of liquid, said panel having an opening with irregularly curved side edges conforming substantially to the contour of said stream, and a concave element behind said opening and having a colored surface of high



lustre, said element having rectilinear side edges arranged behind and out of alignment with said curved side edges so as to be concealed by the latter.

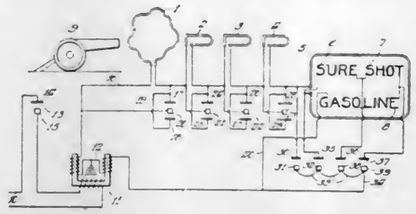
2,081,013
HUMIDIFYING APPARATUS
Clark T. Morse, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application May 7, 1935, Serial No. 20,139
10 Claims. (Cl. 261—117)



1. In a humidifying apparatus having a housing through which air flows and having a moisture supply means, a plurality of baffle plates disposed in spaced relation within said housing with the plates extending substantially transverse to the air stream, said plates successively decreasing in size and having aligned openings decreasing in size with the opening in the largest plate constituting the inlet opening, the periphery of said largest plate extending to the inner wall surface of the housing to close the space between the largest plate opening and the inner wall surface of said housing to the passage of air, said moisture supply means being positioned to introduce moisture at the smallest of said plates and in a direction counter to the air stream.

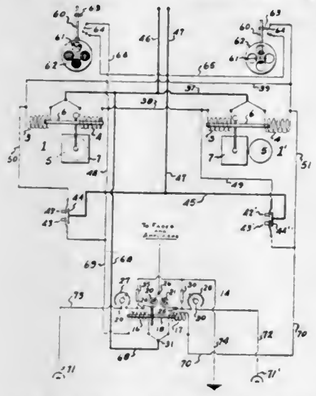
2,081,014
CIRCUIT CONTROLLING DEVICE
Thomas J. Mudon, Chicago, Ill., assignor, by direct and mesne assignments, to Circo Products Corporation, Chicago, Ill., a corporation of Illinois
Application February 25, 1932, Serial No. 595,077
1 Claim. (Cl. 177—346)

In a display system having a transformer provided with a primary winding and circuit therefor and a secondary winding and a series of more than two gaseous conduction tubes continuously connected across the secondary winding in series, means to individually flash said tubes without either short circuit or open circuit of the transformer secondary comprising a circuit closing device connected in parallel with each tube, said device adapted when closed to establish a short circuit across the terminals of the tube, and means to open and close said devices in a definite order to successively flash and darken the tubes, said



means having at least one of said devices open at all times, and a circuit closer in said primary circuit actuated by said means to periodically entirely darken the system.

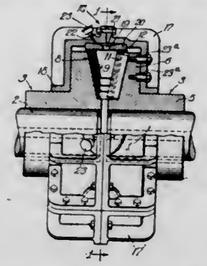
2,081,015
AUTOMATIC CHANGE-OVER
Andrew V. Mullen, Reading, and John C. Smith, Cincinnati, Ohio
Application May 10, 1934, Serial No. 724,926
6 Claims. (Cl. 179—100.3)



1. A sound change-over for motion picture projectors comprising two solenoids with their cores in line with each other, an armature common to both solenoids and slidably journaled in their cores, a collar on said armature, two switches comprising a coiled spring urged against a contact positioned above said armature and in such position that the collar will alternately lift the springs from their contacts when the armature is slid in one direction or the other, the two springs being connected to a loud speaker unit and the contacts being connected to the sound output terminal of two projectors, and means for energizing each solenoid separately so as to shift the armature from one side to the other.

2,081,016
FLEXIBLE COUPLING
Ernest Nibbs, New London, Conn., assignor to Electric Boat Company, Groton, Conn., a corporation of New Jersey
Application January 9, 1936, Serial No. 58,295
13 Claims. (Cl. 64—15)

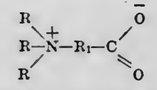
1. In combination in a shaft coupling, two coaxial shafts disposed with an end of one adjacent an end of the other, members secured on the adjacent ends of said shafts provided with substantially frusto-conical sockets in their opposed faces disposed in pairs, the sockets of each pair



being in substantial alignment, and frusto-conical leaf spring structures fitting into said pairs of sockets and providing a driving connection between said flange members.

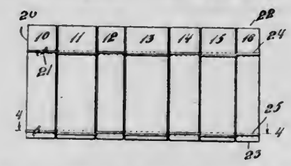
2,081,017
VAT-DYESTUFF PREPARATIONS
Josef Nüsslein, Karl Daimler, and Carl Platz, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 22, 1935, Serial No. 17,746. In Germany May 5, 1934
6 Claims. (Cl. 8—6)

1. Dyestuff preparations containing a vat-dyestuff and a compound of the following general formula:



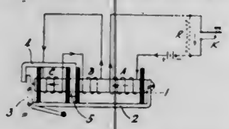
wherein R stands for an aliphatic radical and R_1 stands for a member of the group consisting of aliphatic and aromatic radicals.

2,081,018
ASSEMBLY OF SHINGLES
Theodore L. Olson, Providence, R. I., assignor of forty per cent to Charles E. Johnson, Cranston, R. I.
Application August 10, 1936, Serial No. 95,140
4 Claims. (Cl. 108—33)



1. As an article of manufacture, a series of individual shingles, each shingle being of greater thickness at one end than at the opposite end, all the shingles of the series being arranged with the corresponding thickness in juxtaposition and in slightly separated relation, flexible means interlaced between the shingles at the points of smaller thickness thereof, and flexible means interlaced between the shingles at the points of greater thickness thereof, all of said flexible means being so arranged as to maintain the adjoining edges of said shingles in parallel relation, whereby series of shingles may be stacked one upon another in bundles with the thick and thin ends in opposite relation.

2,081,019
ELECTROMAGNETIC RELAY
Harold C. Pye, Oak Park, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application March 25, 1932, Serial No. 601,114
18 Claims. (Cl. 175—320)



1. In an electromagnetic device, a magnetic core, an armature, a polarizing winding and an operating winding on the core, means responsive to the energization of said polarizing winding for simultaneously energizing said operating winding to control said armature, and a magnetic shunt member on said core between said windings.

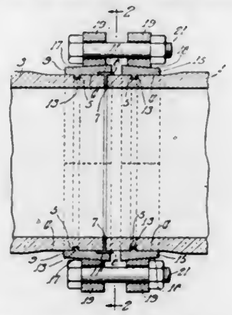
2,081,020
EDUCATIONAL SKILL GAME
Harold Sass, New York, N. Y.
Application January 8, 1935, Serial No. 811
2 Claims. (Cl. 273—130)



1. An educational game, comprising a box, a horizontal partition therein having recessed portions on top thereof, movably mounted objects upon said partition, permanent magnets in the movably mounted objects, electro-magnets attached on the bottom of said partition, and means for individually energizing the electro-magnets, consisting of a contact board with contacts wired to the electro-magnets and a movably mounted contact arm engageable with the contacts and connected with a line contact, a fixed and a movably mounted contact member below each of the said recess portions, plunger pins projecting into apertures in the recessed portion from the movably mounted contact members, said plunger pins being adapted to be depressed when said objects engage in said recesses, a lamp for each of said movably mounted contacts and connected to a source of electricity, and circuits including said lamps, said source of electricity, and said contacts for lighting said lamps when said contacts are depressed.

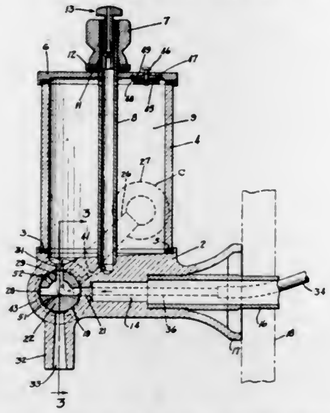
2,081,021
PIPE COUPLING
Bernard F. Smith and Howard B. Palmer, Appleton, Wis.
Application April 24, 1936, Serial No. 76,135
6 Claims. (Cl. 285—137)

1. In a coupling of the class described, a gasket having a portion which extends between the abutting ends of the pipe lengths to be coupled and a portion which overlies portions of the outer surfaces of the abutting ends of those pipe lengths, means for urging the ends of the pipes toward each other thereby subjecting the first mentioned portion of said gasket to compressive stress the line of action of which is generally parallel to the axis of the pipe lengths, and means comprising a ring having a portion which encircles and overlies the abutting ends of both of the pipe lengths and the overlying portion of said gasket for subjecting that portion of said



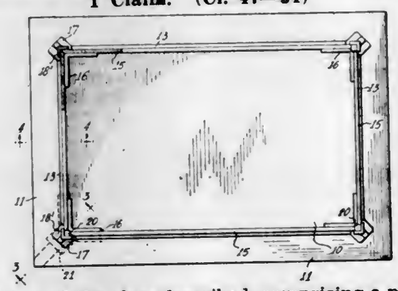
gasket to compressive stress the line of action of which is in a generally radial direction with respect to the pipe lengths.

2,081,022
BEER DISPENSING APPARATUS
Elmer H. Smith, Minneapolis, Minn., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn., a corporation of Delaware
Application March 25, 1935, Serial No. 12,878
16 Claims. (Cl. 225—9)



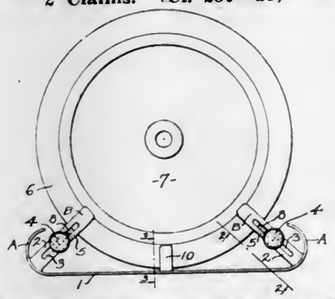
3. A beer dispensing faucet comprising a pressure chamber connected to a source of beer under pressure and an air supply under pressure, a valve for controlling the supply of air and beer to and from said chamber and adapted, upon initial movement, to admit air into the chamber to create a pressure therein before beer is admitted into the chamber, whereby the beer will flow into the chamber without turbulence, said valve being so constructed that when it is operated in the opposite direction to draw beer from said chamber, the supply of beer to the chamber is cut off and the air released therefrom, before the valve can be opened to permit the beer to drain from the chamber, and a disk valve in the upper portion of said chamber adapted to be closed by the pressure of the air initially introduced in the chamber, and adapted to open when the pressure in the chamber diminishes, whereby the beer may be quickly drawn from the chamber in a smooth, non-turbulent stream.

2,081,023
INDOOR GARDEN BOX AND AQUARIUM
Lewis Teach, Brooklyn, N. Y.
Application June 3, 1936, Serial No. 83,202
1 Claim. (Cl. 47—34)



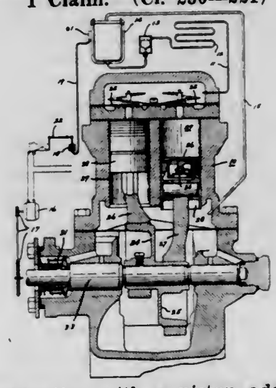
A box of the class described, comprising a panel substantially rectangular in outline having a groove extending around the same parallel with the edge thereof, a base extending around said panel beyond said groove, glass walls removably mounted upright in said grooves, means for supporting said walls at the corners, said means comprising upright posts supported on said base, a lug near the top of each of said posts adapted to urge the upper corners of said walls downward, said base having raised bosses near its corners adjacent the corners of said walls, the upper surface of said bosses being horizontal, said upright members being mounted on said bosses, and means for drawing said posts down against said bosses and simultaneously drawing said lugs down against the upper corners of said walls to lock said walls securely in said groove.

2,081,024
DETACHABLE AND REVERSIBLE RUNNER FOR THE WHEELS OF A CHILD'S VEHICLE
Paul S. Turner, Wichita, Kans.
Application March 9, 1936, Serial No. 67,874
2 Claims. (Cl. 280—13)



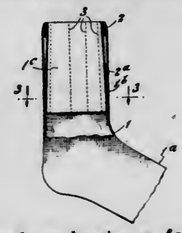
1. In a detachable, reversible runner for the wheels of a child's vehicle of the class described consisting of a straight portion of thin metal rectangular in cross section and of a preferred length, then curving a portion of each end thereof alike toward each other, a slotted bar having one end secured to the inner side of the curved portion adjacent the points where it joins the straight portion, to slant said bars obliquely toward each other and positioning the same radially of a wheel when placed on the runner, a pair of jaws adjustably carried on each of said bars, and means to secure the jaws rigidly to the bars respectively and to the tire of the wheel, a U shaped clip secured to the upper side of the straight portion of the runner to receive the tire of a wheel when the runner is placed thereon.

2,081,025
REFRIGERATING APPARATUS
William W. Watt, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 5, 1936, Serial No. 67,409
1 Claim. (Cl. 230—221)



In combination with a piston adapted to be reciprocated within a cylinder of a compressor and having a passage therethrough for conveying a fluid from one side of the piston into the cylinder on the opposite side thereof, a disc valve for controlling the passage of fluid through said piston, spring means for normally maintaining said valve in closed position, a second disc valve for also controlling the passage of fluid through said piston, said valves being carried by said piston in series relation one above the other, spring means separate from said first named spring means for normally maintaining said second valve in closed position, said spring means for one of said valves being constructed and arranged to cause said one valve to move into open position in response to suction pressure created on one side thereof by a predetermined initial movement of said piston within the cylinder, and said spring means for the other of said valves being constructed and arranged to cause said other valve to remain closed during movement of said one valve to open position and to cause movement of said other valve into open position in response to suction pressure created on the one side thereof after opening of said one valve upon movement of the piston beyond said predetermined initial movement thereof.

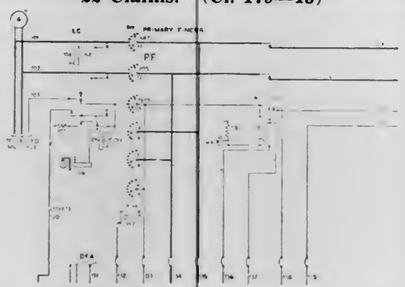
2,081,026
HOSIERY
Hyman Westerman, New York, N. Y.
Application June 3, 1935, Serial No. 24,681
3 Claims. (Cl. 2—240)



1. A sock or hose having a foot portion, a leg portion composed of relatively inelastic yarn and an elongated inside cuff portion connected to said leg portion and extending inwardly within said

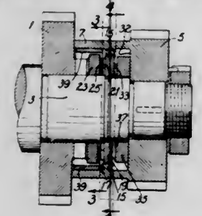
leg portion, said inside cuff portion being formed of relatively elastic material and having a downwardly-extending contracted portion extending in the direction of the inclination of the leg, said cuff portion being of a length adapted to frictionally grip and fit snugly upon a portion of the calf of the leg and upon a downwardly contracting portion below said calf, and rows of threads extending longitudinally of the sock or hose and connecting said inside elastic cuff to the outer inelastic leg portion.

2,081,027
TELEPHONE SYSTEM
John Wicks, Oak Park, Ill., assignor to Automatic Electric Company, Limited, Liverpool, England, a British company
Application May 13, 1935, Serial No. 21,199
22 Claims. (Cl. 179—18)



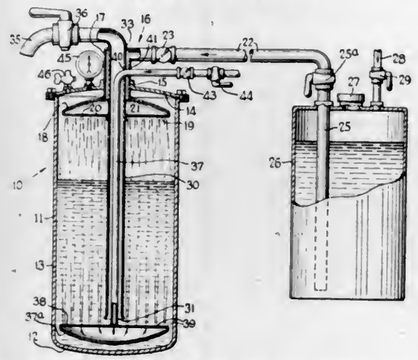
1. In a switching system wherein automatic hunting switching apparatus is used to make connection with an idle line in a predetermined group, two test circuits for joint use in testing a line, one circuit containing an individual ungrounded current source, the other including the grounded exchange battery, and means controlled jointly over said test circuits for positioning automatic switching apparatus on an idle line in a predetermined group.

2,081,028
CLUTCH
Anthony Winther, Kenosha, Wis.
Application June 21, 1935, Serial No. 27,617
7 Claims. (Cl. 192—46)



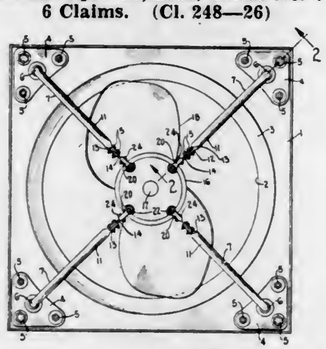
1. A clutch comprising a driving member, an over-running driven member, an intermediate member having lost motion with respect to both driving and driven members, a member mounted for axial movement with respect to the over-running driven member but locked thereto for equal angular movements, said intermediate member and axially movable member having engageable and disengageable driving surfaces, co-operating means between the driving member and intermediate member adapted upon driving by the driving member to force the intermediate member to engage the axially movable member, and to separate these under over-running conditions, means between the intermediate member and the over-running driven member adapted to produce angular locking action between it and the over-running driven member under incipient driving conditions and frictional, but slipping action therebetween under over-running conditions, and resilient means backing the axially movable member adapted to eliminate shock upon contact between it and the intermediate member.

2,081,029
LIQUID CARBONATOR AND DISPENSER
Arthur Young, Brooklyn, N. Y.
Application December 13, 1933, Serial No. 702,102
6 Claims. (Cl. 225—21)



5. The method of deaerating and carbonating a liquid which consists of placing a chamber in communication with the atmosphere through an open vent, spraying said liquid into said chamber, so directing a current of carbon dioxide at a pressure slightly above atmospheric, into said chamber and through said spray as to remove the air from the liquid and sweep said air from the chamber through the open vent, then closing said vent, and continuing to pass carbon dioxide into said chamber through the liquid accumulated therein until a predetermined pressure is reached.

2,081,030
SUPPORTING MEANS
Edward L. Anderson, Grosse Isle, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application April 18, 1936, Serial No. 75,070
6 Claims. (Cl. 248—26)



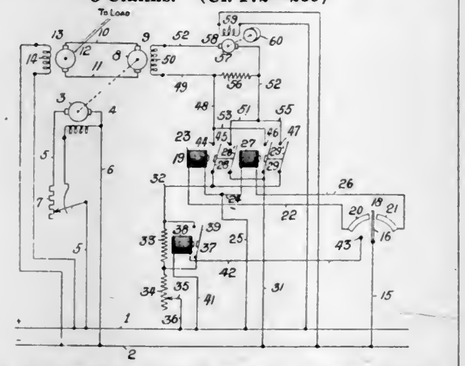
5. A fan motor mounting comprising a motor casing, a plurality of elongated tubular rigid supporting arms held at their outer ends against movement and extending radially of said casing, the inner end of each of said arms terminating closely adjacent said casing and having an end slot extending longitudinally of said casing, a resilient metal plate for each arm, each plate extending transversely to its arm and rigidly fixed in its arm slot, and a pair of clamping members for each plate and secured to said casing, one of said clamping members being secured to each end of each of said plates.

2,081,031
SWIVEL HARP FIXTURE FOR ELECTRIC LAMPS
Kornel Berger, New York, N. Y.
Application March 18, 1935, Serial No. 11,583
2 Claims. (Cl. 240—148)



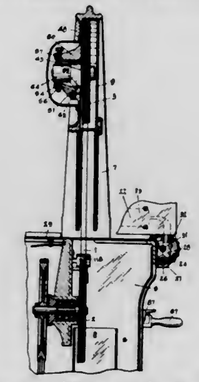
1. In a swivel harp fixture for mounting a shade on an electric lamp, consisting of a wire harp frame, and a stud swivelly mounted on a portion of said frame for supporting said shade, and means for detachably securing said shade to said stud, means for frictionally controlling the swivelling of said stud, comprising a washer of resilient material rotatably mounted on said frame, said washer being of substantially uniform thickness and having diametrically opposed edges bent for frictionally engaging said frame whereby said washer resiliently holds said stud relatively rigid with said frame.

2,081,032
MOTOR CONTROL SYSTEM
John L. Bird, Radburn, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 28, 1934, Serial No. 759,466
5 Claims. (Cl. 172—239)



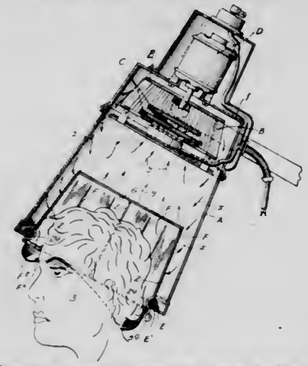
1. In a motor control system, a power motor, a generator for supplying electrical operating energy to said power motor, said generator having a field winding, a source of current supply for said field winding, and a closed circuit for said field winding, said circuit including an auxiliary dynamo arranged for connection to said source of current supply in series with said field winding, said dynamo operating as a motor during the normal excitation of said generator, and operating, upon the cessation of such excitation, as a generator, whereby, by tending to cause the reversal of the residual generator excitation, a quick falling off of generator flux and rapid stoppage of said power motor is effected.

2,081,033
MEAT CUTTING AND SLICING MACHINE
Carl G. Biro, Marblehead, Ohio
Application February 27, 1936, Serial No. 66,071
8 Claims. (Cl. 143—17)



4. In a meat cutting and slicing machine, a band saw, a pair of pulley wheels having tapered surfaces for supporting the saw, a flange located along the edge of each tapered surface having the greater diameter and in a plane at right angles to the axis of rotation of the wheel, each surface having a groove extending helically from an outer edge of the tapered surface toward the flange of each wheel and in a circular direction opposite to the rotation of the wheel, and means for adjustably securing the axes of the wheels in tilted positions to locate the more remote lines of intersection of the vertical plane of the axes of the wheels with the tapered surfaces parallel.

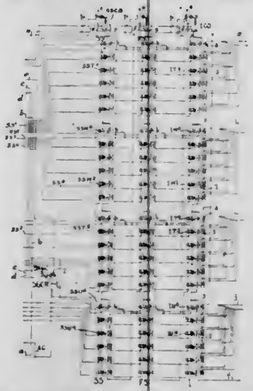
2,081,034
HAIR AND SCALP TREATING APPARATUS
Lionel A. Carter, Webster Groves, Mo.
Application January 7, 1935, Serial No. 597
5 Claims. (Cl. 128—256)



1. A hair or scalp treating apparatus, comprising a hood provided at one end with an opening,

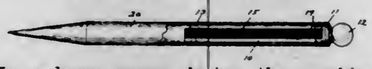
means for circulating heated air in said hood, a substantially cap-shaped, porous or absorbent element in the opening of said hood, constructed so as to substantially encase and be maintained in spaced relationship with the top and back portions of the user's head, said element being adapted to be saturated or impregnated with a substance which will be converted into a vapor and circulated through the user's hair, by the action of said heated air, and means for preventing the vapor from escaping at the lower edge of said cap-shaped element.

2,081,035
SIGNALING OR INDICATING APPARATUS
Joshua Heap Graham, Fisherton, Argentina, assignor, by mesne assignments, to Automatic Electric Company Limited, Liverpool, England
Application July 11, 1929, Serial No. 377,433
In Great Britain August 1, 1928
17 Claims. (Cl. 177—353)



16. Signaling apparatus for the purpose set forth, including signal-receiving, storing and display apparatus; in combination with means for suppressing a displayed signal from said display apparatus while maintaining such signal stored on said storing apparatus, means for then interpolating on said display apparatus another signal ahead of the said suppressed signal, a signal-receiving, storing and display apparatus at a distant signal cabin, transmitting means controlled in accordance with the said interpolated signal now on display for transmitting the said interpolated signal to said receiving, storing and display apparatus at the distant cabin, and means controlled by the operation of the said transmitting means for again displaying the suppressed signal on the display apparatus from which is was suppressed.

2,081,036
MEMORANDUM DEVICE
George Francis Gray, Poughkeepsie, N. Y.
Application March 18, 1935, Serial No. 11,560
6 Claims. (Cl. 129—1)



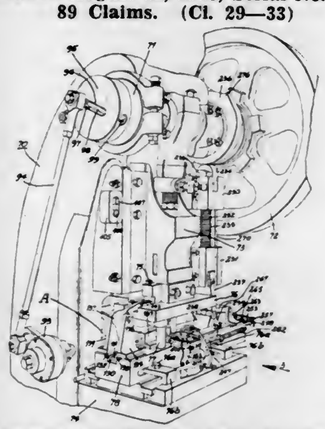
3. In a loose memo device, the combination with a tubular casing having an open end, of a supporting member adapted to be contained within said casing, a plug formed on one end of said supporting member and adapted to engage with the open end of said casing to frictionally retain the supporting member therein, a post secured adjacent the opposite end of said supporting member, and a series of loose leaves formed with openings adjacent one end by which they are pivotably and detachably mounted upon said post with their free ends adapted to be retained in superimposed relation by the casing.

2,081,037
STOPPER FOR DRAIN OUTLETS
Carl G. Hicks, Chicago, Ill.
Application January 18, 1936, Serial No. 59,675
9 Claims. (Cl. 4—293)



1. A stopper for drain outlets, comprising a central main body member of sheet metal having a concavo-convex formation with its margin formed with a plurality of return bend folds, and an annular outer plate member of india rubber or like flexible material, the inner margin of said outer annular member being arranged and held in place in a recess between the intermediate and the lowermost of the aforesaid folds.

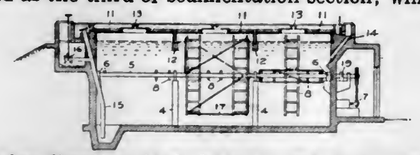
2,081,038
APPARATUS FOR FORMING TUBULAR ARTICLES
Clarence J. Keller, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 31, 1933, Serial No. 687,621
89 Claims. (Cl. 29—33)



1. Apparatus of the character described comprising, in combination, means for severing blanks from a strip of material; means for intermittently feeding the strip to the severing means; means for pre-forming a portion of a blank into part-tubular shape; means for forming the pre-formed blank into tubular shape; and means for transferring a blank successively from the severing means to the pre-forming means and then to the forming means.

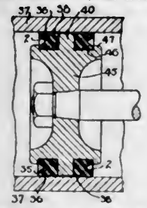
2,081,039
METHOD OF AND APPARATUS FOR SEWAGE SLUDGE DIGESTION
Herman Joseph Nicolaas Hubert Kessener, The Hague, Netherlands, assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application December 30, 1933, Serial No. 704,710
8 Claims. (Cl. 210—2)

1. A horizontally and longitudinally extending sewage sludge digestion tank having a gas collecting gas-tight top structure including gas offtake means, which tank is adapted to have sludge liquid to be treated by anaerobic digestion pass therethrough in a general horizontal longitudinal direction while being subjected to agitation effect, which digestion has concurrent therewith the formation of scum and floating sewage matter at the liquid surface, said tank having an inlet to supply fresh sludge at one end thereof and an effluent discharge means at the other end arranged to communicate with the tank interior at a point substantially below the body of said top structure and having a point of discharge delivery also located below the body of said top structure, whereby there is normally established a liquid level of substantially predetermined elevation in the tank and which level is spaced from said top structure to establish a gas collecting space below the top structure; said digester tank having a plurality of successive transverse sections respectively referred to as the first or sludge-receiving and inoculation section, as the second or sludge-digestion and scum-breaking section, and as the third or sedimentation section; which



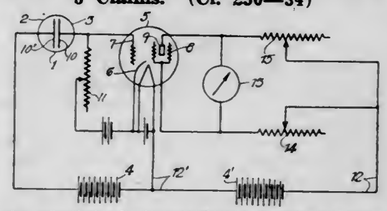
sludge-digestion tank has associated therewith sludge-agitating mechanism which comprises paddle elements carried by a horizontally-disposed submerged shaft extending parallel to the general flow path of the sludge as defined by the entrance thereof into the tank and the supernatant liquid discharge from the tank, which paddle elements are arranged to be effective to agitate the sludge in substantially none but vertical planes or zones normal to the paddle shaft and thus in a manner to avoid imparting to the tank contents a longitudinal component movement parallel to the shaft, which paddle elements are also effective to cause the incoming fresh sludge to become effectively exposed to and inoculated with active bacteria in the digesting sludge in the first or sludge-receiving and inoculating zone during its progress within said inoculating zone, and which baffle elements are dimensioned to extend above the liquid level into said gas collection space during a part of their movement, so as to be effective to beat down scum which they encounter in the upper strata or at the surface of the tank contents.

2,081,040
PACKING
Walter E. King, Houston, Tex., assignor to J. S. Abercrombie, Houston, Tex.
Application June 17, 1932, Serial No. 617,836
7 Claims. (Cl. 309—33)



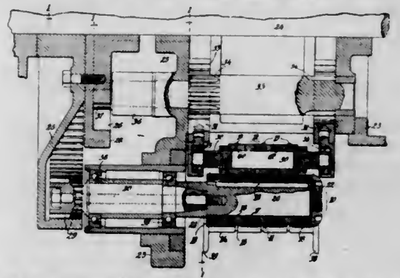
1. A seal ring of the character described including a body of resilient material, a pair of opposed flared lips thereon to form a sealing portion when pressure is applied between them, and a backing supporting portion for said lips including a part of said body of material which is less resilient than said lips and disposed to support the lips so that the more resilient material of the lips will not flow beyond its elastic limit when under pressure.

2,081,041
APPARATUS FOR MEASURING RADIATION
Hermann Kott, New York, N. Y., assignor, by mesne assignments, to Ion Corporation, Short Hills, N. J., a corporation of New Jersey
Application August 23, 1934, Serial No. 741,123
3 Claims. (Cl. 250—34)



2. An electrical circuit for detecting variations of relatively low order in an electric current, said circuit including a thermionic amplifier device having grid and cathode electrodes and a pair of anodes one of which is closer spaced to said grid and cathode than the other, means to pass a plate current between said cathode and anodes, means to equalize the plate current drawn by each anode and means to detect a variation in the plate current drawn by said closer spaced anode upon a variation in the potential applied to said grid electrode.

2,081,042
CAN BEADER
Frank Krueger, Brooklyn, N. Y., assignor to E. W. Bliss Company, New York, N. Y., a corporation of Delaware
Application July 18, 1935, Serial No. 31,991
15 Claims. (Cl. 153—73)

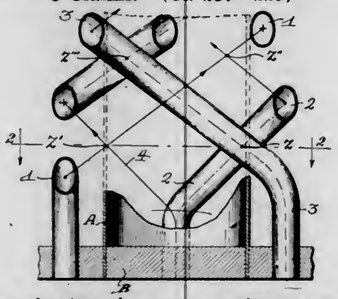


3. A machine for treating can bodies comprising parallelly mounted internal and external rolls, said rolls having circumferential beading dies formed thereon, means for positioning a can body over the internal roll, means for moving said external roll towards said internal roll whereby the can body may be squeezed therebetween, means for rotating said rolls whereby a bead may be rolled onto said can body, said external roll being self adjusting with respect to said internal roll to accommodate the thickened seam portion of the can body.

15. A machine for treating can bodies comprising a plurality of units, each including an internal and an external roll having corresponding circumferential beading dies formed thereon,

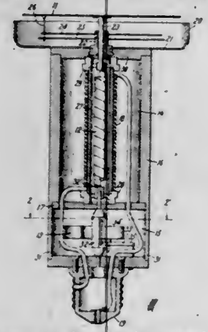
means for rotating the internal roll of each unit, means for moving one of the rolls of each unit both towards and away from the other roll, a can body carrier associated with each unit, said carrier comprising end guides which are adapted to grasp the opposite ends of a can body, means for moving said carrier towards and away from the rolls in a direction parallel to the axes thereof whereby to position a can body between said rolls and subsequently to withdraw the body therefrom, and means for stopping the movement of the carrier towards the roll at a predetermined point whereby the can body carried thereby may be accurately positioned with respect to the beading dies on said rolls.

2,081,043
HEAT EXCHANGER
Hans Kühni, Basel, Switzerland, assignor to l'Air Liquide, Societe Anonyme pour l'Etude & l'Exploitation des Procedes Georges Claude, Paris, France
Application March 10, 1934, Serial No. 714,967. Renewed October 12, 1936. In Great Britain March 13, 1933
6 Claims. (Cl. 257—229)



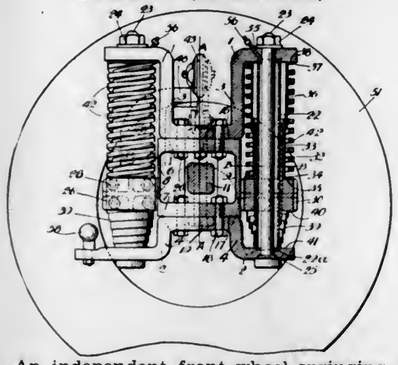
1. In a heat exchanger a casing, a core concentrically mounted in said casing, helically wound tubes arranged inside the casing in layers the successive layers being wound in opposite directions and their tubes touching one another at the points of meeting of their opposite windings.

2,081,044
THERMOELECTRIC MEASURING INSTRUMENT
Lewis R. Runaldue, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 16, 1935, Serial No. 31,744
6 Claims. (Cl. 171—271)



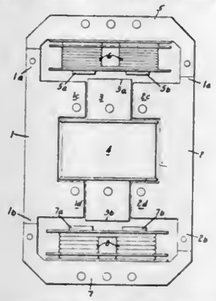
1. An electroresponsive instrument comprising in combination, a casing of thermally conducting material having a partition dividing said casing into two compartments, in one of said compartments, a tube of thermally conducting material coated with an electrically insulating thermally conducting substance, thermally insulating washers between the ends of said tube and the end walls of the compartment enclosing the tube, supporting said tube in the compartment and insulating it thermally from the walls thereof, a current-conducting heating coil wound upon said tube and adapted to be connected to an electric circuit in which an electrical quantity is to be measured, a bimetallic helix in said tube having two ends relatively movable in response to variations in its temperature, a shaft projecting through one end of said casing and attached at one end to said bimetallic helix, an indicating pointer attached to said shaft, a second shaft mounted in said second compartment, projecting into said first compartment, including a portion composed of thermally insulating material, and attached to the other end of said bimetallic helix, by said thermally insulating material, and a bimetallic spiral acting oppositely to said helix, attached at its inner end to said latter shaft, and connected at the outer end to the enclosing casing, the connection being angularly substantially rigid and radially yieldable.

2,081,045
INDEPENDENT FRONT WHEEL SPRINGING SYSTEM FOR MOTOR DRIVEN VEHICLES
James Frederick Soper, Balclutha, New Zealand
Application August 19, 1935, Serial No. 36,834
In New Zealand April 6, 1935
5 Claims. (Cl. 280—96.2)



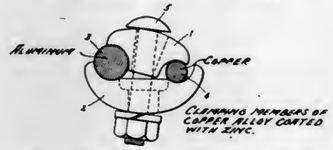
1. An independent front wheel springing system for motor driven vehicles, comprising upper and lower cranked bridge members, a triangular shaped member interposed between and secured to the central parallel parts of the cranked bridge members, a tubular guide at each side of the triangular shaped member disposed between and secured to the overhanging ends of the cranked bridge members, a pair of brackets each having a cylindrical portion and a sleeve thereon engaging with a tubular guide, the said brackets being secured to the brake anchorage means, a helical spring on each of the said sleeves between the upper surface of the cylindrical portion of the bracket and the lower surface of the upper cranked bridge member, a volute compression spring interposed between the lower surface of the cylindrical portion of the brackets and the inner surface of the lower cranked bridge member, means for protecting the sleeves from grit and dust, and means for lubricating the said sleeves.

2,081,046
ALTERNATING ELECTRIC CURRENT INDUCTION METER
George Wall, Manchester, England, assignor to General Electric Company, a corporation of New York
Application April 10, 1935, Serial No. 15,674
In Great Britain April 17, 1934
6 Claims. (Cl. 171—34)



1. An electrical device of the induction type comprising in combination a straight core, a pressure winding thereon, a pair of core portions spaced from one end of said straight core to leave an air gap and situated on either side of the center line of said straight core, a current winding on said core portions, a second pair of core portions spaced from the other end of said straight core to leave an air gap and situated on either side of the center line of said straight core, a second current winding on said second core portions, a closed circuit core portion surrounding said core portions, said pairs of core portions being projections from said closed circuit core portion, rotor elements in said air gaps, and means responsive to rotation of said rotor elements.

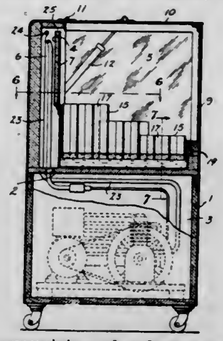
2,081,047
CLAMP
David Basch, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 10, 1929, Serial No. 413,113
2 Claims. (Cl. 173—263)



1. In combination, a corrosion-resisting joint comprising aluminum and copper conductors and clamping members therefor, said clamping members being constructed of brass and provided with a zinc surface coating, said coating contacting with said conductors.

2,081,048
REFRIGERATED DISPLAY CABINET
Warwick G. Bate, Newton Falls, Ohio
Application June 18, 1936, Serial No. 85,902
8 Claims. (Cl. 62—89.5)

1. A refrigerating display cabinet comprising a housing provided with a display compartment in the upper portion thereof which is provided with transparent front, end and top walls, a partition forming the rear wall of said display compartment, said partition being spaced from the rear wall of the housing to provide a narrow refrigerating compartment at the rear of the display compartment, a flower supporting frame forming the bottom of the display compartment,

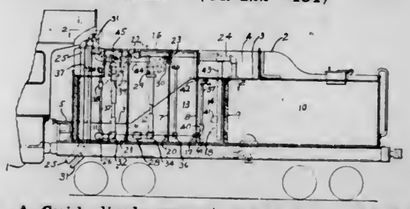


said frame comprising closely spaced upright tubular open ended stem receiving members, and a water pan supported in the housing immediately beneath said supporting frame to receive stems projecting through said tubular members.

2,081,049
SINTERED HARD CARBIDE COMPOSITION
Hugh S. Cooper, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
No Drawing. Application September 28, 1935, Serial No. 42,712
5 Claims. (Cl. 75—136)

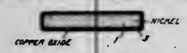
1. A sintered alloy containing about 99% tungsten carbide and about 1% of a carbide from the group columbium carbide and tantalum carbide.

2,081,050
FLUID DISPLACEMENT APPARATUS
Myron W. Dole, Belmont, Mass.
Application May 2, 1935, Serial No. 19,454
Renewed March 24, 1937
10 Claims. (Cl. 122—434)



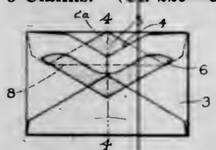
1. A fluid displacement apparatus comprising a supply compartment containing the fluid to be displaced and having a variable fluid level therein, a receiving compartment, a vented pressure chamber communicating with the supply compartment and receiving fluid therefrom by gravitational flow, means controlled by the fluid level in the receiving compartment to supply gaseous material under pressure to the pressure chamber when the fluid level in said receiving compartment falls below a predetermined point, means providing such a communication between said pressure chamber and the receiving compartment that the fluid in the pressure chamber is forced into the receiving compartment when pressure is developed in said pressure chamber by admission of gaseous material thereto and means controlled by the level of the fluid in the pressure chamber to shut off the supply of gaseous material thereto when the fluid level therein falls below a predetermined point.

2,081,051
ELECTRIC CUT-OUT
Ernst Friederich, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application January 9, 1936, Serial No. 58,374
In Germany February 2, 1935
6 Claims. (Cl. 200—118)



6. The method of producing electric cut-outs which comprises depositing upon a metal base such as nickel a layer of copper and thereafter oxidizing substantially all of said copper to form an insulating layer having a predetermined breakdown strength.

2,081,052
ENVELOPE
Vincent E. Heywood, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application July 1, 1935, Serial No. 29,280
5 Claims. (Cl. 229—80)



1. An envelope having its seal flap and rear wall provided with corresponding areas of adhesive having the property of sticking to itself upon non-moistened contact, characterized by tucking a previously folded portion of the seal flap between the front and rear walls of the envelope to maintain the adhesive thereon out of register with the adhesive on said rear wall, said rear wall being cut away to expose the folded portion of said seal flap.

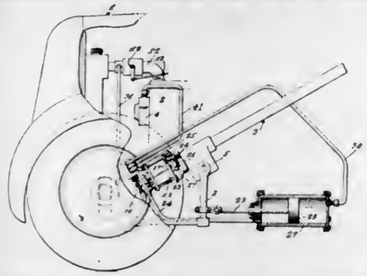
2,081,053
OUTBOARD MOTOR HANDLE
Tolbert Frank Hobson, St. Petersburg, Fla.
Application August 11, 1936, Serial No. 95,445
7 Claims. (Cl. 74—543)



1. A detachable steering handle for an outboard motor comprising a pair of hollow telescoped pipe sections, one of said sections having means at one end for attachment to an outboard motor, and the other of said sections being provided with a hand grip, said sections being connected by cooperating externally and internally threaded portions, one of said hollow sections being provided with a reduced hollow extension of an outside diameter to snugly fit within the other section, a removable closure at the end of said extension providing a sealed compartment, said extension forming a reinforcement for the joint between the sections of the handle when the parts are assembled.

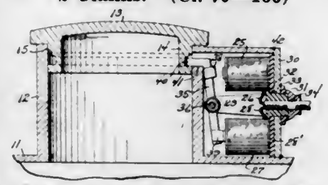
2,081,054
POWER STEERING SYSTEM
Roger C. Kenyon, Le Grand, Calif.
Application December 1, 1936, Serial No. 113,686
2 Claims. (Cl. 180—79.2)

1. In combination with a steering mechanism of a motor vehicle including a steering arm and a worm connected thereto, and a manually actuated steering column, means connecting the steering column to the worm whereby either may have a limited rotation relative to the other, a power cylinder including a piston connected to the steering arm, a fluid system connected to the cylinder at opposite sides of the piston and including a power driven pump for forcing fluid through the system to act on either side of the piston, a combined reversing and bypass valve connected in the system between the pump and the cylinder for reversing the flow of fluid in



said system to drive the piston in opposite directions, means between said valve and the steering column for actuation of said valve to bring about reverse flow of fluid or to bypass the fluid around said cylinder, and means operated by said worm and steering column and connected in said system for stopping the flow of fluid in the system to said cylinder after the movement of the piston by a manual turning of the steering column in a limited reverse direction.

2,081,055
TANK CAP LOCK
Clifford Kiracofe, Lima, Ohio
Application February 20, 1936, Serial No. 64,993
2 Claims. (Cl. 70—166)

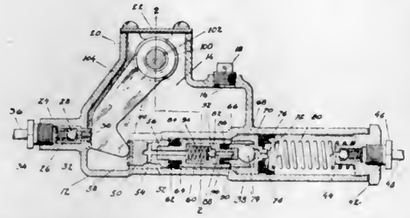


1. A tank cap lock comprising a filling spout, a flanged filling cap having a circumferential groove in the flange, an L-shaped catch having the short arm adapted to project through an opening in the spout and enter the groove of the cap, a base plate, parallel legs projecting from the base plate, a pivot pin carried by the legs and extending through the long arm of the catch intermediate the ends thereof, armatures on said long arm on opposite sides of the pivot pin, springs on the pivot pin confined under tension between the legs and said long arm to prevent movement of the catch due to shock and jar, electro-magnets on the base plate and insulated therefrom, the cores of said magnets confronting associated ones of the armatures, and a plate mounting the base plate upon the filling spout and housing the electromagnets and the catch.

2,081,056
COMPOUND CYLINDER
Aaron A. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application May 27, 1933, Serial No. 673,286
10 Claims. (Cl. 60—54.6)

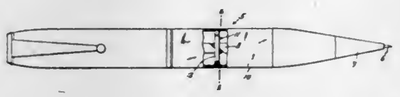
1. A fluid pressure device comprising means for producing pressure including spaced piston

heads each having an orifice, a sleeve connecting the piston heads, and means in the sleeve for controlling the orifices operable at a pre-



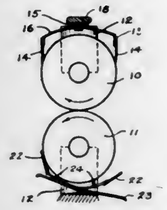
determined pressure to open the orifices in one of the heads and at a greater pressure to open the orifices in the other head.

2,081,057
LEAD PENCIL
Francis Joseph McDonald, Los Angeles, Calif.
Application July 6, 1936, Serial No. 89,191
2 Claims. (Cl. 120—18)



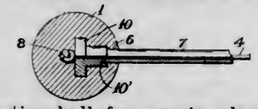
1. In a mechanical pencil, a barrel having a transparent section, a lead holder and feeder having a part working in the transparent section of said barrel, and a band arranged in the transparent section of the barrel and connected with said lead holder and feeder for indicating the working length of lead in the pencil.

2,081,058
GUARD FOR WASHING MACHINE WRINGERS
Alexander Milne and Michael Patrick Comerford, Ottawa, Ontario, Canada
Application March 14, 1935, Serial No. 11,138
2 Claims. (Cl. 68—32)



1. A guard for wringer machine rollers comprising a longitudinal strip having its ends mounted in the frame of the wringer, and disposed in superimposed spaced relation to the roller, means for exerting a downward pressure on said strip, transverse spring strips connected to said longitudinal strip at spaced intervals and extending beyond the edges thereof, and stripping blades connected to the ends of said transverse strips and depending therefrom in parallel relation, said blades being disposed in a vertical plane within the diameter of the roller with their lower edges in resilient contact with the surface of the roller.

2,081,059
BALL AND ANCHORAGE THEREFOR FOR USE IN PLAYING BALL GAMES USING ANCHORED BALLS
Frank Allen Mitchell, London, England, assignor to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application May 19, 1936, Serial No. 80,619
In Great Britain June 20, 1935
10 Claims. (Cl. 273—35)



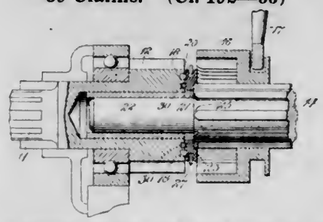
1. A captive ball for use in playing a game comprising a ball, an anchorage cord extending into the ball and affixed thereto, an annular space being provided in the body of the ball surrounding the point of entry of the cord into the ball, and a tube of tough yielding material fitting over the end of the cord and having one of its ends seating in the annular space.

2,081,060
PROCESS FOR THE MECHANICAL PRODUCTION OF GLASS FELT
Piero Modigliani, Livorno, Italy
Application March 7, 1936, Serial No. 67,653
In Italy November 18, 1935
6 Claims. (Cl. 154—27)



6. In combination, a rotary drum, a pair of glass thread forming devices disposed over said drum, means for reciprocating said devices in opposite directions for the formation on said drum of a multistratum layer of glass threads, in combination with a traveling conveyor, means for transferring said layer from said drum to said traveling conveyor, and a second traveling conveyor disposed ahead of and adjacent to the first conveyor and operating at a greater speed than the first conveyor.

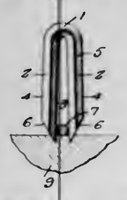
2,081,061
CAM ACTUATED CLUTCH RING SYNCHRONIZER
Howard J. Murray, New York, N. Y., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application August 14, 1925, Serial No. 50,279
Renewed October 17, 1928
39 Claims. (Cl. 192—53)



1. In a device of the class described, the combination of a relatively fixed member, a coacting member movable axially thereof into interdriving engagement therewith, a shaft on which said co-

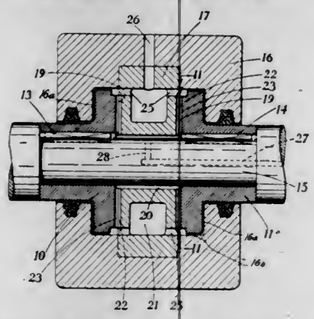
acting member is splined, a synchronizer for causing the members to approach the same speed prior to moving into engagement, said synchronizer constituting a friction clutch element for engaging one of the members, said clutch element and said shaft provided with coacting recesses and projections coacting to provide a plurality of camming means for forcing the synchronizer ring into its clutching engagement.

2,081,062
STAPLE
Oscar S. Nelson, Chicago, Ill.
Application May 23, 1936, Serial No. 81,489
1 Claim. (Cl. 85—49)



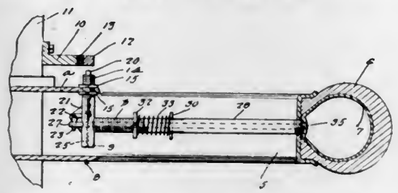
A staple comprising a U-shaped member formed of a rectangular rod bent upon itself in a manner to dispose a corner of one leg in confronting position to a corner of the opposite leg, the confronting corner of each leg comprising a keen edge for biting engagement with the periphery of a rod or wire strand to hold the rod or strand against movement relative to the staple, the free end of each leg being provided with a forwardly and inwardly inclined cam face to thereby draw the legs toward each other upon insertion of the staple into an article.

2,081,063
THRUST BEARING
Christopher Sibley Oliver, Coventry, England, assignor to Armstrong Siddeley Motors Limited, Park Side, Coventry, England
Application September 26, 1935, Serial No. 42,339
In Great Britain March 1, 1935
3 Claims. (Cl. 308—168)



1. A thrust bearing, for a rotatable member, including spaced collars fast on the rotatable member, a stationary thrust block fitted between said collars, said thrust block being spaced from said rotatable member and having in its interior an annular chamber, said rotatable member having means for feeding lubricant to the space between said thrust block and rotatable member, said thrust block and collars having grooves in the coacting faces thereof, said grooves communicating at their inner ends with the space between said thrust block and said rotatable member and at their outer ends with the annular chamber within said thrust block, said thrust block having an outlet leading from the interior of said annular chamber.

2,081,064
TIRE CONDITION INDICATOR
Charlie A. Phillips, Ness City, Kans.
Application March 10, 1936, Serial No. 68,129
2 Claims. (Cl. 200—58)



1. A pneumatic wheel switch comprising a conductor ring, means for attaching the conductor ring to a wheel axle, a plunger rod, spring means for urging the plunger rod against an inflated pneumatic tube, a movable contactor movable for engagement with the conductor ring, means consisting of a bell crank pivotally mounted and having one end engaging the movable contactor and the other end engaged with the said plunger, said plunger being provided with a slot therein for receiving the last mentioned end of the bell crank, spring means for retaining the movable contactor away from the conductor ring, a tubular guide for the movable contactor, said tubular guide being provided with slots therein, and guide members extending from the movable contactor and being ridable in the said slot.

2,081,065
ADAPTING SHEET METAL ELEMENTS FOR SCREWS
Bion C. Place, Detroit, Mich.
Application June 25, 1936, Serial No. 87,292
6 Claims. (Cl. 85—32)

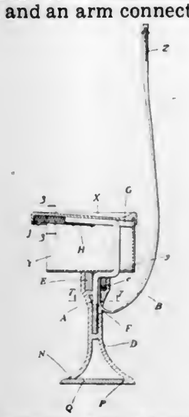


1. A sheet metal structure designed for self-locking threaded engagement by a screw, comprising a conical protuberance having an opening at its top, a slit in said protuberance for the passage of the thread of the screw, the wall of said opening being in the form of a helix and presenting a thread to said screw that is spaced at its lowest point a substantial distance above the adjacent structure, the thickness of said metal being substantially less than the pitch of said helix.

2,081,066
COMBINED INDIVIDUAL PROPERTY SAFEGUARDING AND SEATING COSTUMER
Edward Dana Pratt, Winnipeg, Manitoba, Canada
Application February 8, 1936, Serial No. 63,015
In Canada October 21, 1932
16 Claims. (Cl. 155—190)

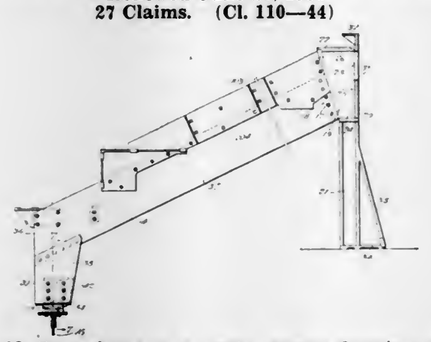
7. An article of furniture including a pedestal, a seat support mounted for swivelling movement in the pedestal and having an upper portion extended forwardly at a slight upward inclination, a seat mounted for limited forward and rearward sliding movement on said forwardly extending portion of said support, resilient means for re-

turning said seat to its rearmost position after sliding action, and an arm connected to and mov-



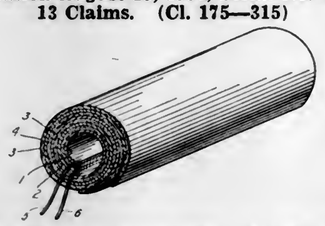
able with the support and extending rearwardly of and above the seat to serve as a costumer.

2,081,067
STOKER
Herbert E. Preston, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 22, 1928, Serial No. 263,900
Renewed June 20, 1935
27 Claims. (Cl. 110—44)



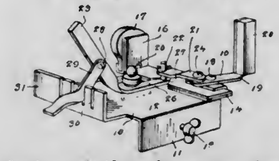
12. In a furnace, a grate, means forming an air chamber below the grate, a wall forming a support for the grate and constituting a rear wall of said chamber, antifriction bearings interposed between said wall and the grate, and means operatively associated with said wall and grate for sealing the joint therebetween.

2,081,068
ELECTROLYTIC DEVICE
Preston Robinson, Williamstown, Mass., assignor to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts
Application August 18, 1934, Serial No. 740,487
13 Claims. (Cl. 175—315)



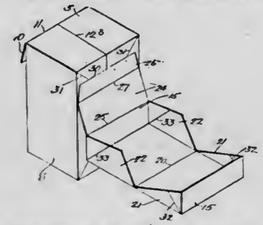
1. An electrolytic condenser of the dry type comprising two electrodes of which at least one is of filming metal, and a paper spacer interposed between said electrodes, said paper spacer being swelled to its maximum extent, and a viscous electrolyte carried by said paper spacer, said electrolyte comprising a polar liquid.

2,081,069
WINDOW FASTENER
Joseph G. Schnetzler, Beacon, N. Y.
Application April 28, 1936, Serial No. 76,850
2 Claims. (Cl. 292—7)



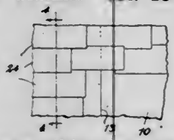
1. A device of the character described comprising a base plate, means for securing the base plate to a window sash at its meeting rail with another window sash, a guide at one end of the base plate, a throw bolt adapted to have sliding movement on the base plate and in the guide and having a fulcrum notch therein, a jaw fixed to said bolt, a holding head carried by said jaw, a movable jaw pivoted to said guide, a holding head carried by said movable jaw, an operating lever pivoted to the base plate and received by the fulcrum notch in the throw bolt, a throw link pivoted to said lever and movable jaw, and means for latching the lever in adjusted position.

2,081,070
DISPLAY BOX
Edwin J. Schoettle, Philadelphia, Pa., assignor to Edwin J. Schoettle Co., Philadelphia, Pa., a corporation of Pennsylvania
Application December 17, 1935, Serial No. 54,889
3 Claims. (Cl. 206—44)



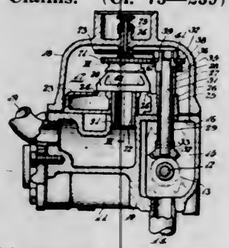
1. In a display box, a box body, and a cover adapted to be connected to said box body and to serve as a cradle support therefor, said body having a bottom, ends, and sides, said bottom and said ends having centrally disposed contiguous fold lines, said bottom having additional fold lines extending obliquely from the corners of the box body to the central fold line of the bottom, whereby the box body may be collapsed with the sides pressed toward each other, said cover having a top panel, end and side flanges, and a hinge section integral with an end flange and adapted to be attached to said box body, said top panel having a transverse bend line and said side flanges being cut to provide sections on each side of said bend line adapted to support said cover when the same is bent along said bend line to form a cradle support for the box body, said side flange sections having fold lines permitting the cover to be collapsed with the end flanges and hinge section pressed toward said top panel, whereby said box body and said cover may be flattened until such time as it is desired to use the box.

2,081,071
ORNAMENTAL OBJECT AND METHOD OF MAKING THE SAME
Cora L. Scovil, New York, and Lillian L. Greneker, Mount Kisco, N. Y.
Application January 7, 1936, Serial No. 57,890
5 Claims. (Cl. 18—59)



1. A display manikin comprising a hollow foundation portion composed of a layer of transparent plastice cellulose derivative formed in the shape of the manikin and an outer protecting layer formed of overlapping patches of transparent preformed film fitted over and secured to the layer of cellulose derivative.

2,081,072
METER VALVE
Nelson J. Seibert, Wilkinsburg, and Frank S. Brooks, Edgewood, Pa., assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 16, 1935, Serial No. 16,698
6 Claims. (Cl. 73—239)



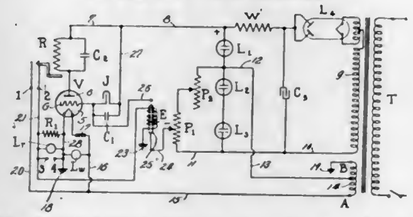
1. In a fluid meter, a meter casing, a rotary valve, a cover enclosing said valve and secured to said casing, said valve comprising a lower portion having a valve seating surface, and an upper portion supported independently thereof and forming a positive driving connection therewith, means providing a fluid tight connection between said portions, a gear mounted on the upper portion of the valve, a valve driving shaft having a gear meshing therewith, and means coacting between said cover and said valve to prevent displacement of said gear.

2,081,073
POLISH
Leroy W. Shuger, Baltimore, Md., assignor to Baltimore Paint & Color Works, Inc., Baltimore, Md., a corporation of Maryland
No Drawing. Application March 12, 1936, Serial No. 68,541
3 Claims. (Cl. 134—24)

3. A free-flowing emulsion liquid polish combining the ingredients listed below in approximately the following parts by weight:

	Parts
Mineral spirits	169
Light mineral oil	187.5
Natural castor oil	93.6
Ricinoleic acid	11.03
Water	624.75
Water solution of potassium hydroxide containing 1.65 parts of potassium hydroxide	19.25
"Lannette Wax"	30

2,081,074
CONNECTION USED IN PROCEEDINGS FOR MEASURING VERY HIGH RESISTANCES
Siegmund Strauss, Vienna, Austria
Application December 7, 1931, Serial No. 579,708
In Germany November 7, 1931
16 Claims. (Cl. 250—34)

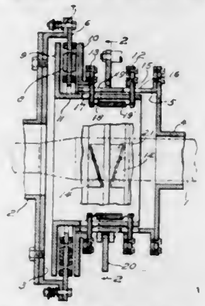


10. A measuring system comprising a first circuit including a valve, said valve having a cathode, anode, and grid, a second circuit including a condenser for impressing a blocking charge on said grid, a third circuit adapted to be closed upon current flow in said first named circuit and when so closed operable to close said second named circuit, means connected with said condenser for dissipating any charge accumulated thereon and measuring apparatus operatively associated with said second named circuit, said means comprising an ionization chamber having an outer metal lining connected to said anode, to said second circuit and to the ground whereby the rate of dissipation of any condenser charge is immune to stray fields and the action of said circuits is stabilized.

2,081,075
LUBRICATING OIL COMPOSITION
Arnold C. Vobach, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 6, 1936, Serial No. 89,120
6 Claims. (Cl. 87—9)

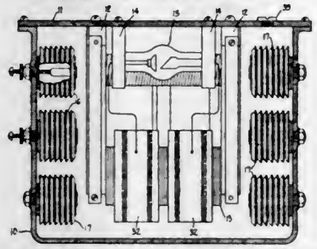
1. A liquid lubricating oil composition comprising a petroleum lubricating oil and calcium phenyl stearate.

2,081,076
DISK BRAKE
Donald Earl Walker and Earle E. Wilbur, Buffalo, N. Y.
Application July 29, 1936, Serial No. 93,275
4 Claims. (Cl. 188—72)



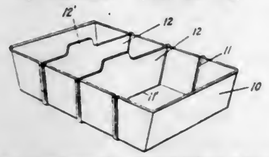
1. A brake comprising a fixed supporting drum, a brake drum disk secured to a brake drum, brake disks arranged to engage and disengage with the brake drum disk, a sleeve formed on one of the brake disks and slidably received by the supporting drum, wedge disks journaled on the supporting drum and one fixed to the other brake disk, wedges secured to the wedge disks, an operating disk journaled on the supporting drum, wedges secured to the operating disks and cooperating with the first-named wedges in moving the brake disks in engagement with the brake drum disk, and spring means acting to move the brake disks away from the brake drum disk.

2,081,077
MEANS FOR KEEPING A TANK FILLED WITH OIL
Julius B. Wantz, Oak Park, Ill., assignor to General Electric X-Ray Corporation, a corporation of New York
Application June 6, 1929, Serial No. 368,982
2 Claims. (Cl. 250—34)



1. X-ray apparatus comprising an X-ray tube, tube energizing instrumentalities, a sealed container for said tube and tube energizing instrumentalities, resilient deformable means on said container, said deformable means having two extreme positions determining a minimum and a maximum capacity for said container, a body of insulating oil in said container, the bulk of such oil at normal temperature being such that it completely fills said container and maintains said deformable means in a mean position between its two extreme positions, and means adjustable outside of the container for limiting the movement of the resilient deformable means.

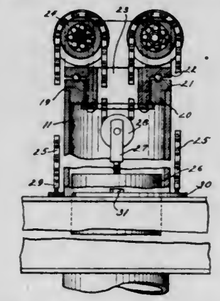
2,081,078
BAKING AND COOKING UTENSIL
Alice M. Watson, Milwaukee, Wis.
Application April 24, 1935, Serial No. 18,049
3 Claims. (Cl. 53—6)



1. A cooking utensil comprising an open body having aligned grooves formed in its bottom and opposed side walls, a removable partition engaged in said grooves to the full depth of the body and dividing the latter into non-communicating compartments, and an integral portion thereof projecting from the top edge of the partition to act as a handle for facilitating the removal and replacement of the partition as required.

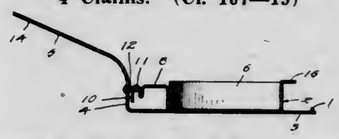
2,081,079
DRILL PRESS
Enoch W. Worden, Flint, Mich.
Application June 24, 1936, Serial No. 87,072
1 Claim. (Cl. 77—36)

The combination with a machine having a stationary vertical tubular column and a head slidably and rotatably fitted on said column, of an attachment comprising a ball cone ring fixedly fitted in the upper end of the column, a pulley block open at its center and having a reduced lower end rotatably received in the cone ring, pulleys journaled in the block at opposite sides of its open center, a length of chain trained over the pulleys with its ends connected to the head



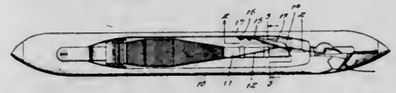
at diametrically opposite sides of the column and the intermediate portion of said chain depending between the pulleys into the column, and a weight within the column and having a pulley with the intermediate portion of the chain trained thereover for the suspension of the said weight within said column by the intermediate portion of the chain.

2,081,080
PATTIE MOLD
Edwin Baker, Winn, Maine
Application June 15, 1936, Serial No. 85,379
4 Claims. (Cl. 107—19)



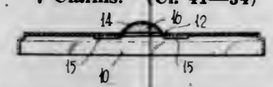
2. A utensil of the class described comprising, a flat blade, and a mold member open at its top and bottom, hinged to said peel member, to seat at its bottom edges on said blade and for swinging movement away from the same in a plane at right angles to the surface of the peel member.

2,081,081
TENSION DEVICE FOR LOOM SHUTTLES
Harry J. Bassett, Cherry Valley, Mass.
Application October 15, 1936, Serial No. 105.795
2 Claims. (Cl. 139—213)



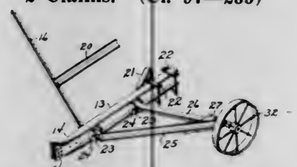
1. The combination with a bobbin and a shuttle, of a leaf spring secured at one end to one of the side walls of the bobbin chamber of the shuttle, said spring inclining from its point of attachment in the direction of the bobbin, the free end of the spring having a convex surface disposed in contact with the bobbin at a point above the horizontal plane passing axially through the bobbin, the filling being adapted to pass between the convex surfaces of the bobbin and of the spring member once during each spiral unwinding of the filling from the bobbin and be yieldably momentarily tensioned.

2,081,082
ORNAMENTATION
Arthur Bates, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application December 1, 1936, Serial No. 113,729
7 Claims. (Cl. 41—34)



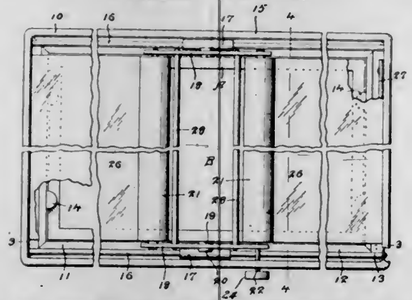
2. A device carrying an ornamental finish and having a hole in the ornamental finish, a binding strap fastened in the hole and projecting therefrom and completing the ornament across the hole and an ornamental member under the strap having at least one portion of substantially the cross section of the projecting part of the strap and having other portions bearing upon the device beyond the edge of the hole.

2,081,083
HITCH
Harry Beebe, Minneola, Kans.
Application October 12, 1936, Serial No. 105,301
2 Claims. (Cl. 97—235)



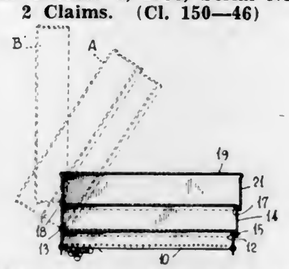
1. The combination of a draw bar, a braced arm carried at one side of the bar for attachment to a grain drill, means for bracing the drill when attached to said arm, clamps for fastening the said drill to the draw bar, a horizontally pivoted extension at the other side of said bar and having a ground wheel, an attaching plate carried by said extension, and means for selectively coupling a second drill with said plate.

2,081,084
HONEY BEEHIVE COVER
George J. Bohnet, Lansing, Mich.
Application June 9, 1936, Serial No. 84,354
5 Claims. (Cl. 6—1)



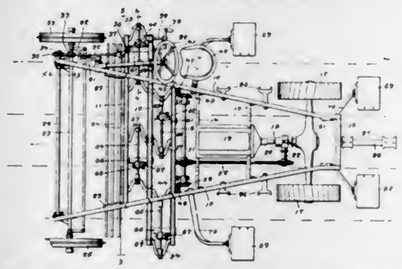
1. A cover of the character described comprising a center opened frame, tracks at opposite sides of the open center and fixed within the frame, runners on said tracks, a rocking carriage fitted with the runners, spring tensioned rollers journalled in said carriage, and flexible sheetlike cover sections attached to the rollers and to opposite ends of the frame and adapted for winding and unwinding on and from said rollers on the travel of said carriage.

2,081,085
BAG
William F. Bowen, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application October 5, 1936, Serial No. 104,115
2 Claims. (Cl. 150—46)



1. In a bag a frame, a catch at one side of the frame, a member adapted to hold cosmetics hinged to the other side of the frame, a depending flange about the edge of the member and of larger circumference than the frame and adapted to engage the catch, a projecting catch on the member, a cover adapted to hold a mirror overlying the cosmetic receptacles when closed and hinged to the member, and a depending flange about the margin of the cover and of larger circumference than the member and adapted to engage the projecting catch on the member.

2,081,086
BEET BLOCKING AND CULTIVATOR MACHINE
Cyril A. Derho, Mishawaka, Ind.
Application March 2, 1936, Serial No. 66,724
1 Claim. (Cl. 97—11)



In a blocking machine for growing vegetation, longitudinal frame bars, guides extending downwardly from the front ends of the bars, an axle adjustably mounted between the guides, means including a rack and pinion connection between the axle and the guides for raising and lowering the frame bars on the axle, dirigible front wheels on the axle, traction wheels on the rear ends of the axle, hoes operatively supported upon the frame, and means for oscillating the hoes transversely of the frame.

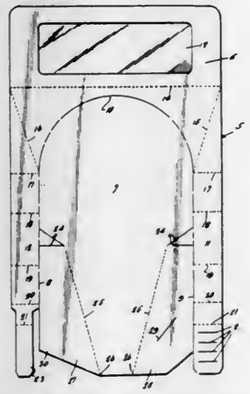
2,081,087
DENTURE
Robert Galloway, Falkirk, Scotland
Application June 12, 1936, Serial No. 84,949
In Great Britain June 11, 1935
4 Claims. (Cl. 32—2)

3. A denture, comprising a gum plate having fixed front and forward teeth and in rear of said front and forward teeth having well cavities adapted to retentively hold a temporarily plastic but hardening impression medium that receives and retains the impressions of an opposed denture or natural teeth of the patient, the said plate



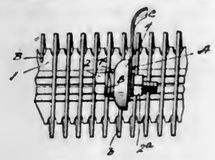
with its fixed false teeth and impressed medium in said well cavities adapted to be finished and polished after the hardening and setting of said medium.

2,081,088
ADVERTISING MEDIUM
Paul C. Guntrup, Ashland, Ohio
Application October 13, 1936, Serial No. 105,420
1 Claim. (Cl. 93—1)



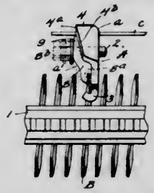
An advertising medium comprising a sheet of flexible material, said sheet being provided with spaced slit lines extending inwardly from one end, a transversely extending slit line connecting the inner end of the inwardly disposed slit lines defining within its limits the fan section and without its limits a sun glare section, a windowed portion in the sun glare portion, said fan section being provided with lines upon which the sheet is to be folded to form a handle portion.

2,081,089
CONNECTER FOR EDGEWISE WOUND COILS
Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application November 6, 1935, Serial No. 48,585
6 Claims. (Cl. 173—324)



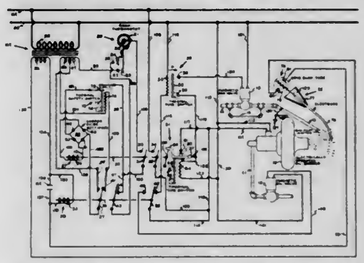
6. A connecter for flat resistor ribbons comprising a relatively flat body having a hook at one end adapted to engage one edge of the ribbon and a flange at its opposite end having a surface opposed to said hook, a wedge piece having a surface at one end adapted to bear against said surface of the flange, one of said surfaces being inclined with respect to the plane of the body, said wedge-piece having adjacent its opposite end a lug or shoulder projecting laterally from one side thereof adapted to bear against the opposite edge of the ribbon and having a part adapted to overlap and lie against one side of the ribbon, and means for clamping the wedge-piece against the body.

2,081,090
CONNECTER FOR EDGEWISE WOUND COILS
Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application November 27, 1935, Serial No. 51,953
4 Claims. (Cl. 173—324)



1. The combination with a flat resistor ribbon of a connecter comprising a relatively flat body having a hook at one end adapted to engage one edge of the ribbon and having a flange at its opposite end and a slot extending through the body adjacent said flange, a conductor extending through said slot, a wedge piece engaging the conductor and the opposite edge and one side of the ribbon, and means connected with the body for forcing said wedge piece toward the body.

2,081,091
BURNER CONTROL SYSTEM
Leon L. Kuempel, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 8, 1934, Serial No. 743,261
11 Claims. (Cl. 158—28)



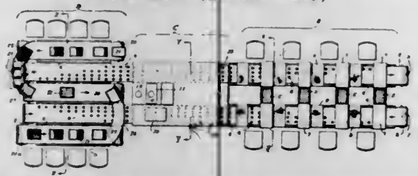
1. In a burner control system, the combination with a burner and a supply of fuel therefor, of electrical means in control of the supplying of said fuel to the burner, electrically controlled ignition means of the type which produces an igniting flame only so long as the same is energized, electrical timing means operative to energize said ignition means for a time period and then deenergize the same, means to energize said timing means upon a demand for heat, and means utilizing the conductivity of the igniting flame operative to energize said fuel supply controlling means, said last-named means also utilizing the conductivity of the burner flame to maintain the fuel supply controlling means energized after said ignition means is deenergized by said timing means.

2,081,092

APPARATUS FOR PACKAGING ASSORTED CONFECTIONS

George C. Miller, Brighton, Mass., assignor to Excelsior Machine Corporation, a corporation of Massachusetts

Application April 26, 1933, Serial No. 668,085
8 Claims. (Cl. 226—129)



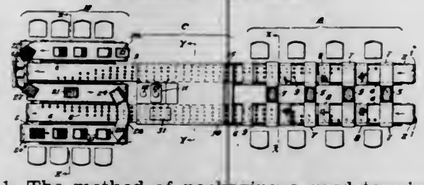
1. In an apparatus for packaging mixtures of candies of different kinds, a series of loading stations and a series of packing stations, an endless candy conveyor adapted to receive the candies in predetermined order at said loading stations and convey the assembly to said packing stations, at which one kind of a candy at each station may be successively removed from said conveyor and placed in a box, an endless box conveyor for supporting and continuously moving the boxes at the same speed as the candy to each successive packing station for the successive placing of the candy in a box until the predetermined mixture content of the box is completed.

2,081,093

METHOD OF PACKING A PREDETERMINED CANDY MIXTURE

George C. Miller, Brighton, Mass., assignor to Excelsior Machine Corporation, a corporation of Massachusetts

Original application April 26, 1933, Serial No. 668,085. Divided and this application February 12, 1935, Serial No. 6,264
15 Claims. (Cl. 226—2)



1. The method of packaging a predetermined mixture of candies of different kinds which consists in assembling each kind of candy in a row and in suitably spacing said rows in relatively parallel longitudinal formation, in continuously progressing the assembly in such series of rows to a series of packing stations, in removing successively one kind of a candy from its row as it progresses past each station, and in successively packing each piece of candy removed from its row in a box, and in moving the box to each successive station until the predetermined mixture content of the box is completed.

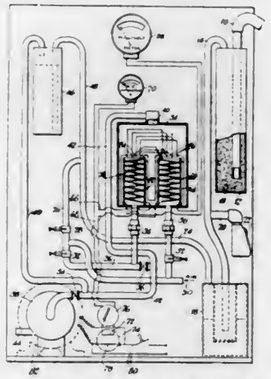
2,081,094

GAS ANALYSIS METHOD AND APPARATUS

John D. Morgan, South Orange, N. J., assignor to Power Patents Company, Jersey City, N. J., a corporation of Maine.

Application August 12, 1931, Serial No. 556,556
5 Claims. (Cl. 23—232)

4. A process of analyzing the combustible content in a gas, which consists in continuously pumping measured quantities of the gas to be analyzed and air separately into a mixing chamber to give a mixture of constant quantity having a definite proportion of gas and air, heating a wire of catalyzing material in a confined space electrically, conducting a portion of said mixture to and through said space, discharging a portion of said mixture to the atmosphere at a point intermediate the mixing chamber and said space, and measuring the temperature developed in said space as the result of combustion therein to give a determination of the combustible content in the gas.



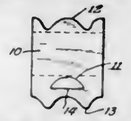
5. In an apparatus for analyzing gas, an electric circuit embracing a pair of balanced fixed resistance elements one of which is a catalytic agent, a chamber surrounding each of said resistance elements, the chamber surrounding the element which is a catalytic agent having an outlet to the atmosphere and an inlet, a conduit to which gas to be analyzed is supplied under pressure, said conduit having a pressure relief outlet leading to the atmosphere, means including an extension of said conduit for conducting gas from said conduit to the inlet of the chamber in which the catalytic resistance element is located, an air inlet in said conduit extension for admitting air to be mixed with the gas to be analyzed, a discharge outlet from said conduit extension for releasing excess air-gas mixture from the conduit at a point between the air inlet and the inlet to said chamber, and temperature measuring mechanism for ascertaining the temperature differential developed between the chambers as a result of gas combustion in the chamber surrounding the catalytic resistance element.

2,081,095

SUSPENDING UNIT

Arthur B. Mull, Appleton, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application September 1, 1936, Serial No. 98,982
1 Claim. (Cl. 248—29)



A suspending unit comprising a base sheet of cardboard of suitable contour, a zone of a pressure sensitive adhesive coating on one face thereof, the said face of the base sheet being uncoated at a marginal portion thereof, an integral tongue portion in said base sheet located within the area defined by said uncoated marginal portion, and a peelable cover strip protecting said adhesive coating.

2,081,096

DEVICE FOR REENFORCING TIRE BEADS AND THE LIKE

Stephen A. Reed, Duxbury, Mass., assignor to Plymouth Cordage Company, Plymouth, Mass., a corporation of Massachusetts

Application March 13, 1936, Serial No. 68,622
7 Claims. (Cl. 152—13)



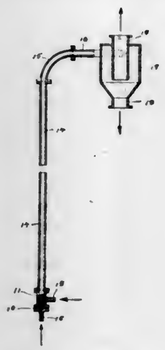
7. In a pneumatic tire structure having annular beaded edges, a reenforcing device for a said beaded edge, comprising a gromet made of a ligament of hard vegetable fibre organized in a plurality of convolutions, of which each convolution has approximately the same circumferential length as each other, and wherein each convolution is free to shift its position relative to other convolutions within the gromet when the gromet is located within the tire bead and is being rotated therewith while the tire is being converted from flat to rotund cross section prior to vulcanization.

2,081,097

MANUFACTURE OF HYDROGEN PEROXIDE

Willem Reinders, Delft, Netherlands, assignor to Naamlooze Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Lande, Deventer, Netherlands, a company of the Netherlands

Application April 15, 1936, Serial No. 74,566
In the Netherlands April 12, 1935
6 Claims. (Cl. 202—52)



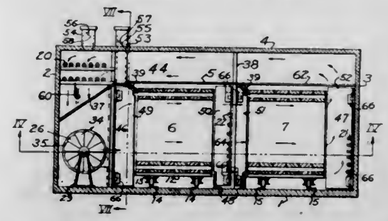
6. Process for preparing hydrogen peroxide from an aqueous solution of a percompound which hydrolytically decomposes to produce hydrogen peroxide, which process comprises atomizing said solution with steam of a temperature of 300° to 600° C. into a reaction zone in which a pressure not exceeding ten centimeters of mercury is maintained, allowing the steam to act upon the said solution in the reaction zone to produce hydrogen peroxide in vapor form and a liquid residue from said solution, and separating hydrogen peroxide in vapor form from said liquid residue.

2,081,098

DRY KILN

Joseph I. Steel, Portland, Oreg., assignor to The Moore Dry Kiln Company of Oregon, a corporation

Application March 10, 1932, Serial No. 598,006
14 Claims. (Cl. 34—46)



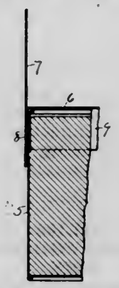
1. In a dry kiln having a trackway therein, suitable for receiving stock loads of material to be dried, plenum chambers on opposite sides of stock loads when placed on said trackway, a partition forming one side of one of said plenum chambers on one side of said kiln and in part spaced from one of the side walls thereof, said partition extending substantially the full length of the kiln in the form of a zigzag in horizontal cross section taken at fan level, said partition extending from the floor upwardly to make substantial closure of the top of one of said plenum chambers, between said partition and a stock load, fans operatively mounted on one longitudinal shaft and in openings provided in said partition, said partition forming inter-communicating compartments, one on each side of said partition for each fan the compartments on the side of the partition adjacent to the track, having outlets substantially co-extensive with the adjacent plenum chamber.

2,081,099

DISPLAY ATTACHMENT

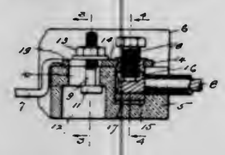
Frank S. Adams, Hartford, Conn., assignor to The Skat Company, Hartford, Conn., a corporation of Connecticut

Application July 5, 1935, Serial No. 29,908
2 Claims. (Cl. 40—7)



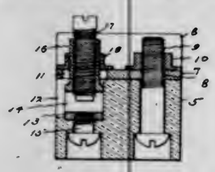
1. In combination with a receptacle having a curved wall of comparatively short radius and a cover having a flange to enclose the upper edge of the receptacle, a display card having a tongue displaced in front of the plane of the card and located between its margins and engaged between the flange of the cover and the upper edge of the receptacle to support the card in a substantially vertical upright position, said tongue being so narrow that it will be inappreciably curved by the cover and box, thereby preserving the flat shape of the card.

2,081,100
METER CONNECTION BLOCK
Henry J. Blakeslee, Marlboro, Conn., assignor to The States Company, Hartford, Conn., a corporation of Connecticut
Application February 14, 1936, Serial No. 63,877
7 Claims. (Cl. 200—163)



1. A meter connection block comprising a base with conducting means for the connection of a circuit terminal, mounted on the base, a meter lead with an end aligned with but spaced from an end of said conducting means, and a conducting clamp slidably attached to the base, said clamp being slidable along the base across said space into and out of contact with said terminal connection means and adapted to when in contact and when out of contact with said terminal connection means clamp the meter lead to the base.

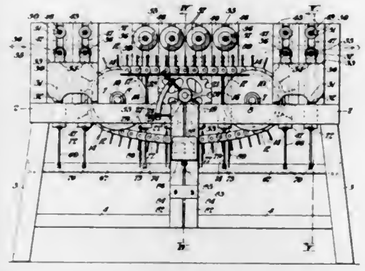
2,081,101
METER CONNECTION BLOCK
Henry J. Blakeslee, Marlboro, Conn., assignor to The States Company, Hartford, Conn., a corporation of Connecticut
Application April 17, 1936, Serial No. 74,858
8 Claims. (Cl. 200—158)



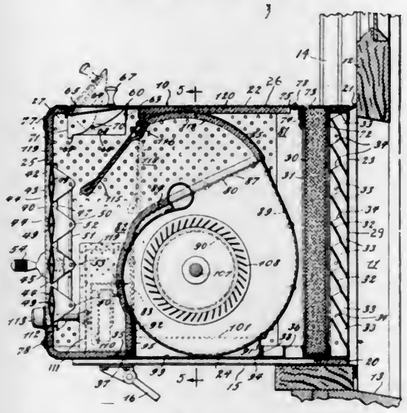
1. A connection block having a base of insulating material with a current path across its face, said path comprising a conducting plate with an aperture at one end and means for the connection of a terminal at the other end, a binding post located in a recess in the base, said post having means for receiving a terminal also a member that extends through said plate aperture without engagement with the walls thereof, means adjustable on said member and adapted to electrically connect or disconnect said member and plate, and means extending through said member and adapted to bind a terminal to said post.

2,081,102
MEASURING DEVICE FOR ROPES AND THE LIKE
Ernest M. Blue, Houston, Tex., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 21, 1934, Serial No. 726,787
4 Claims. (Cl. 33—134)

4. In a measuring device for ropes and the like, a movable endless belt, rope-receiving elements carried by said belt, means for guiding the rope toward the rope-receiving elements in a path which is out-of-line with respect to the path traveled by said rope-receiving elements when in rope-measuring position, means for deflecting said rope from said first path and for angularly introducing the same into engagement with said rope-receiving elements, the angle of introduction of said rope being such that its initial contact with said rope-receiving elements is only when said elements are in rope-measuring position, and an indicator operated by said belt.

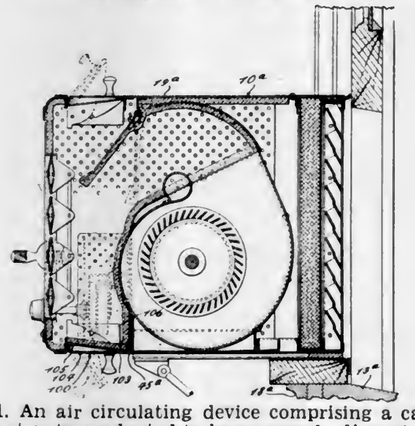


2,081,103
AIR CIRCULATING APPARATUS
Henry S. Woodruff, Larchmont, and Paul T. Engelskirchen, Jr., Mount Vernon, N. Y., assignors to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application July 16, 1935, Serial No. 31,584
17 Claims. (Cl. 98—94)



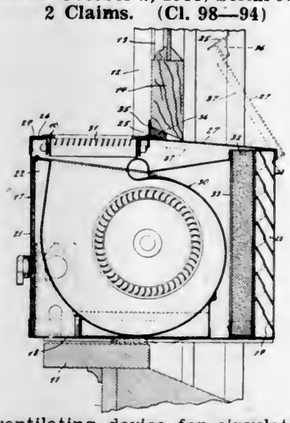
1. An air circulating device comprising a casing structure including an upright front wall having an air outlet extending for substantially the entire width thereof; means in said casing defining an air passage communicating with the outlet and extending through the casing in a direction toward the front wall and being of substantially the same width as the front wall outlet opening; said passage-defining means including spaced upper and lower wall elements extending for the full width of the passage, and the upper wall element being inclined downwardly and forwardly toward the air outlet in the front wall for directing the air toward said outlet; the upper wall element being pivotally mounted at its upper end to move about a horizontal axis extending substantially parallel to the plane of the front wall; means for moving the upper wall element about said axis and toward the lower wall element so as to close the air passage and prevent the flow of air therethrough; and means providing for the flow of air through said passage and the outlet.

2,081,104
AIR CIRCULATING APPARATUS
Fowler Manning, Bronxville, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application July 16, 1935, Serial No. 31,590
10 Claims. (Cl. 98—94)



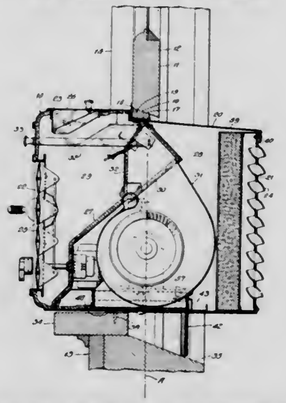
1. An air circulating device comprising a casing structure adapted to be arranged adjacent an upright wall of a room and having a pair of air outlets, one air outlet being in the portion of the casing remote from said wall of the room and the other air outlet being in the top portion of the casing; means providing for the flow of air through the casing and through the outlets; adjustable louver means in said one air outlet and operable in one position to direct the air to a desired portion of the room away from the wall thereof and operable in another position to close said one air outlet; and adjustable louver means in the outlet in the top portion of the casing and operable in one position to direct the air from said casing upwardly and toward the wall of the room and in another position to close said last-named outlet.

2,081,105
AIR CIRCULATING APPARATUS
Frank C. Reynolds, New York, and Walter H. Kirchheim, Mount Vernon, N. Y., assignors to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application October 2, 1935, Serial No. 43,206
2 Claims. (Cl. 98—94)



1. A ventilating device for circulating air in a room and of the type adapted to be positioned longitudinally across an opening defined by a sill rail of a partially raised window sash and a window sill, comprising a casing structure including a top wall divided longitudinally into a front cover portion adapted to be disposed on the room side of the window, and a rear cover portion adapted to be arranged outside of the window and being hingedly connected along its rear edge to the rear portions of the casing, the rear cover portion sloping downwardly and rearwardly from the longitudinal dividing line to the rear edge thereof so as to provide for shedding rain water and the like from the top of the casing, and means carried by the forward part of the rear cover portion and extending longitudinally of said casing adjacent the dividing line and providing an engaging and sealing surface between the sill rail and the casing.

2,081,106
VENTILATING APPARATUS
Francis C. Kilb, Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application January 11, 1936, Serial No. 58,629
5 Claims. (Cl. 98—94)

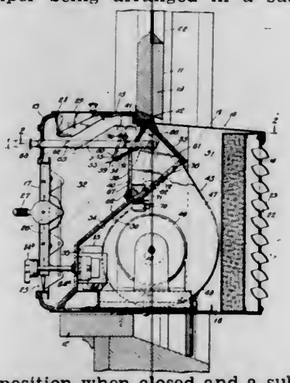


1. The combination with a window comprising upright jambs, a window sash slidably mounted in the jambs and a window sill including an inside sill portion and an outside sill portion at a lower level than said inside sill portion; of a ventilator comprising a casing structure adapted to be arranged within the window opening with a front part supported by the inside sill portion and a rear part overhanging said outside sill portion; said casing including a cover member hinged along one side so that it may be readily opened and access may be had to the rear interior thereof; and adjustable supporting and leveling means arranged within the rear of the ventilator and accessible only from the interior thereof when the cover is opened, and including an adjustable part extending downwardly through the bottom of the casing and engaging the outside sill portion for supporting the rear part of the ventilator from the outside sill portion.

2,081,107
VENTILATING APPARATUS
Francis C. Kilb and Henry S. Woodruff, Larchmont, N. Y., assignors to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application January 15, 1936, Serial No. 59,200
9 Claims. (Cl. 98—94)

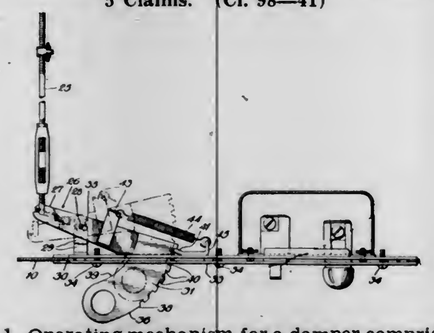
1. Ventilating apparatus for room spaces, comprising a casing including wall structure having

at least two spaced openings therein providing communication, respectively, between the interior of the casing and the room space and between the interior of the casing and the outside atmosphere; means providing an air passage extending through said casing and connecting said openings; a damper arranged within said casing between said openings and mounted therein to move about a substantially horizontal axis to open and closed positions for permitting and preventing, respectively, the flow of air through said passage; the damper being arranged in a substantially



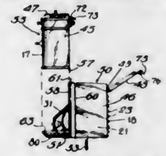
vertical position when closed and a substantially horizontal position when open; and mechanism for operating said damper, including an expansible spring link pivotally connected at one end to the casing and at its other end to the damper at points spaced from the axis about which the latter moves and operable to reach its stage of greatest contraction when the damper is at a midposition so that the link expands when the damper moves past the midposition in either direction and the damper is held in its open position against the force of gravity and held in its closed position to effect a tight closure.

2,081,108
VENTILATING APPARATUS
Francis C. Kilb, Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application April 9, 1936, Serial No. 73,461
5 Claims. (Cl. 98—41)



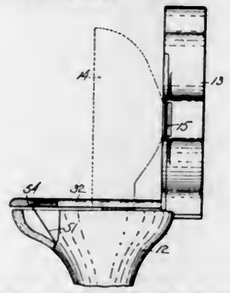
1. Operating mechanism for a damper comprising, in combination, a support member; a lever member adapted to be operatively connected to the damper; fulcrum means connecting said lever member and said support member and providing for arcuate movement of said lever member about an axis and for limited movement of said lever member in a lengthwise direction; said lever member including an operating element adapted to be grasped by hand to effect arcuate movement of said lever member about its fulcrum axis and to effect said limited lengthwise movement of said lever member; one of said members having a plurality of notches formed therein and being arranged in an arc substantially concentric with those described by points on said lever member when moved about its fulcrum axis; the other of said members having a tongue element fixed thereto and arranged to fit within any selected one of said notches when said lever member is at one extremity of said lengthwise movement and to clear the surfaces defining said notches when said lever member is at the other extremity of said lengthwise movement; and means for constantly urging said lever member lengthwise in a direction to effect engagement of said tongue element with said notches.

2,081,109
VENTILATING APPARATUS
Francis C. Kilb, Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application July 3, 1936, Serial No. 88,707
16 Claims. (Cl. 98—94)



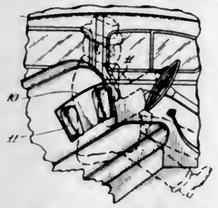
1. A ventilator of the type adapted to be mounted over a sill of a window with a front part facing the room and a rear part facing the outside, comprising a casing including front, rear, bottom, top and end walls; the top wall and the end walls being each divided to provide separable front and rear sections; the rear sections of the top and end walls, respectively, the rear wall, and the bottom wall being secured together to form a base unit adapted to be fixedly secured in position on a window sill; the front sections of the top and end walls, respectively, and the front wall being secured together to provide a removable cover unit; and an upright slidable connecting means between adjacent parts of the front and rear sections of each end wall and so constructed as to provide for removal and replacement of the cover unit on the base unit only by raising and lowering the cover unit with respect to the base unit.

2,081,110
SANITARY TOILET SEAT
George A. Long, Hartford, Conn., assignor to The Electric Steam Sterilizing Company, New York, N. Y., a corporation of Delaware
Application July 30, 1935, Serial No. 33,836
12 Claims. (Cl. 4—233)



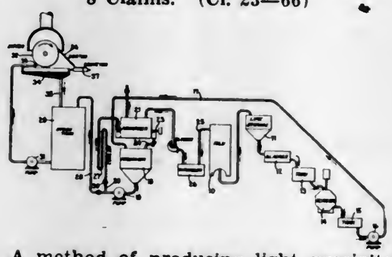
1. A sanitary toilet device including a toilet bowl, a toilet seat overlying said bowl, an anatomical protective shield supported by said seat and interposed between the seat and bowl to prevent contact of a person with the bowl, and means for automatically rendering said shield sanitary after each use.

2,081,111
AUTOMOBILE CUSHION
Clifford W. Manley, Spokane, Wash.
Application December 4, 1935, Serial No. 52,749
2 Claims. (Cl. 155—182)



1. A device of the class described comprising a flexible element of inconsequential thickness and of a length to extend across and rest against the small of the back of the user; and cushions abruptly protruding from the ends of said element arranged to fit against the sides of the back of the user.

2,081,112
METHOD OF PRODUCING LIGHT PRECIPITATED CHALK
Noel Statham, Irvington, N. Y., and Thomas G. Leek, Covington, Va., assignors, by mesne assignments, to West Virginia Pulp & Paper Company, New York, N. Y., a corporation of Delaware
Application January 7, 1932, Serial No. 585,176
8 Claims. (Cl. 23—66)

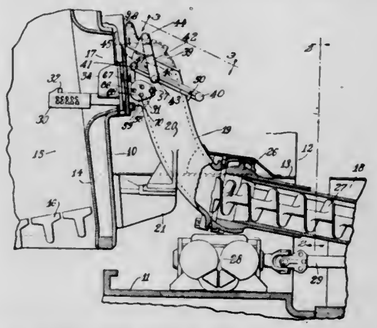


1. A method of producing light precipitated, non-colloidal chalk which comprises agitating milk of lime with sufficient violence to create a fine mist in the presence of carbon dioxide, and maintaining the temperature of reaction between 50° and 60° C. substantially throughout the reaction.

3. In a method of producing light precipitated, non-colloidal chalk by producing a fine mist of milk of lime in an atmosphere rich in carbon dioxide the step of varying the rate of introduction of the carbon dioxide to maintain a substantially uniform rate of carbonation at 5% per hour.

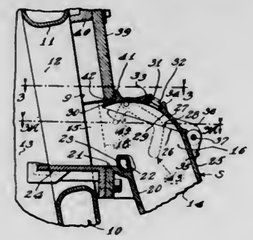
2,081,113
STOKER
Howard P. Anderson, Erie, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., a corporation of Delaware
Application March 28, 1933, Serial No. 663,131
2 Claims. (Cl. 110—101)

1. In a stoker provided with a riser casing having an opening in its top portion and a movable door on said casing forming a closure for said opening, mechanism for actuating said door, said door being hinged at one end to swing vertically on an axis transverse to the riser casing, said mechanism comprising a handle pivotally mounted at one side of said riser casing on an axis transverse to the casing and in a horizontal plane below the horizontal plane of the axis of the



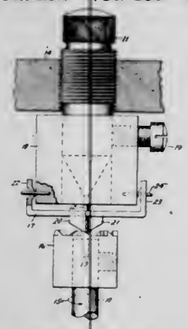
hinge for said door, and a link at one end connected to said door between the axis of its hinge and the opposite end thereof and said link at its other end being connected to said handle between the free end of the handle and the pivotally mounted end thereof whereby upward movement of said handle is transmitted to said door for uncovering the opening in said riser casing.

2,081,114
STOKER
Howard P. Anderson and Eugene Martin, Erie, Pa., assignors, by mesne assignments, to The Standard Stoker Company, Inc., a corporation of Delaware
Application April 15, 1935, Serial No. 16,287
4 Claims. (Cl. 110—101)



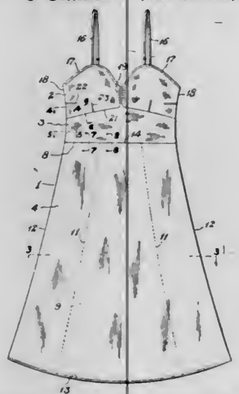
2. In combination with a furnace having a wall with a firing opening therein, a stoker for delivering fuel into said firebox comprising a conduit having a discharge mouth communicating with said furnace through said firing opening, said conduit having an opening therein extending rearward from a point close to the plane of said furnace wall, a cover normally closing said opening, said cover being hinged at its end remote from the plane of the furnace wall to said conduit, said cover being provided with a latching lever pivoted on the forward end of said cover and cooperating with a device on the conduit to latch the cover in place, said latching lever having a handle portion normally disposed between the lever pivot and the pivot of the cover and below the plane passing through the pivotal axes of said lever and cover.

2,081,115
RATCHET MECHANISM
Hans A. Bakke, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application August 12, 1936, Serial No. 95,575
7 Claims. (Cl. 188—81)



1. A ratchet mechanism comprising, a ratchet wheel having a number of evenly spaced teeth about one side of its periphery, and a double-ended pawl having teeth on opposite ends and spaced from the side of said ratchet wheel such that the teeth of the pawl may cooperate with the teeth of the ratchet wheel on approximately opposite diameters thereof, said pawl being pivoted at the center so as to be tipped back and forth to bring the teeth on opposite ends thereof alternately into and out of ratcheting relation with said ratchet wheel, said pawl and wheel being relatively rotatable about the axis of said wheel.

2,081,116
SLIP
Walter A. Goldsmith, Cleveland Heights, Ohio
Application December 21, 1936, Serial No. 116,859
3 Claims. (Cl. 2—73)

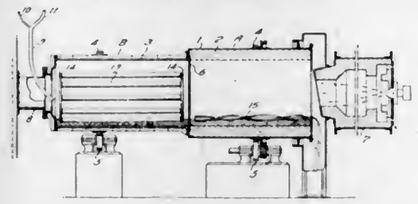


1. A knitted garment comprising a brassière section of double thickness, a diaphragm section of double thickness, a back panel, a shadow panel, and a skirt section, the diaphragm section and back panel meeting the skirt section along a straight line extending completely around the garment, the back panel comprising a section of greater width than the diaphragm section, said back panel merging at its lateral edges with the brassière section positioned at the upper front portion of the garment, said brassière section being attached to the upper portion of the diaphragm section along upwardly and inwardly inclined seamlines, and said shadow panel depending from said straight line and being supported by the diaphragm section.

2,081,117
ANTISUNBURN PREPARATIONS
Robert A. Hall, Brooklyn, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Substitute of application Serial No. 726,296, May 18, 1934. This application February 18, 1936, Serial No. 64,599
8 Claims. (Cl. 167—90)

1. An anti-sunburn preparation containing a substantial amount, effective to prevent sunburn, of an ester of salicylic acid with a polyhydric alcohol.

2,081,118
METHOD OF CONTINUOUSLY MANUFACTURING HYDROCHLORIC ACID
Harry A. Kast, Cranford, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application June 8, 1933, Serial No. 674,810
15 Claims. (Cl. 23—155)



1. A continuous method of generating hydrochloric acid which includes the step of continuously feeding salt and sulphuric acid of a strength of 95% or greater to a rotating heated reaction zone, and continuously withdrawing hydrochloric acid therefrom.

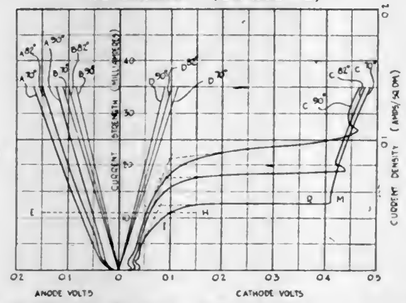
2,081,119
TREATMENT OF PUS AND GANGRENOUS CASES
Jesse Morales and Ellen Schulz Quillin, San Antonio, and Carlos L. Gutzeit, Austin, Tex.; said Morales and said Gutzeit assignors to said Quillin
No Drawing. Application September 4, 1934, Serial No. 742,580
2 Claims. (Cl. 167—58)

1. A pharmaceutical adapted for external application in pus or gangrenous cases which comprises an extract from the plant known as *Malva parviflora*.

2,081,120
PROCESS FOR THE CATALYTIC OXIDATION OF ORGANIC COMPOUNDS
Blythe M. Reynolds, Utica, N. Y.
No Drawing. Application April 20, 1929, Serial No. 356,851
4 Claims. (Cl. 260—108)

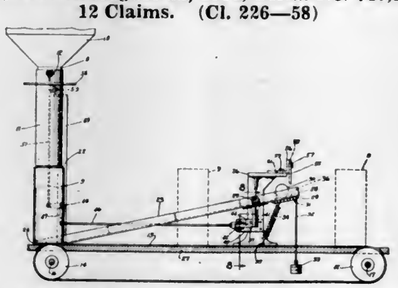
1. In the production of partial oxidation products from organic compounds in the vapor phase with an oxygen containing gas in the presence of a catalyst, that part of the process comprising arranging the catalyst and the reacting gases in heat transferring relationship with diphenyl, and applying pressure to the diphenyl in order to regulate the boiling point of the same.

2,081,121
DECORATING METALS
Jesse E. Stareck, Waterbury, Conn., assignor to Kansas City Testing Laboratory, Kansas City, Mo., a corporation of Missouri
Application March 5, 1936, Serial No. 67,398
In Canada August 6, 1935
24 Claims. (Cl. 204—1)



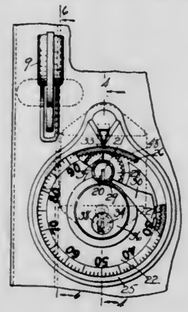
1. In the production of decorative non-metallic coatings on metal articles, the process which comprises making such an article a cathode in an alkaline solution of a copper salt and passing current between such cathode and an anode until the desired color results, the cathode current density being of the order of one or more hundredths of an ampere per square decimeter, and the potential difference between an active and non-passive copper anode and a cathode, at a spacing of 10 centimeters and at room temperature, between about 0.16 and 0.75 volt, the voltage being greater with greater anode to cathode spacing and with increase of temperature and the current density being greater with increase of temperature.

2,081,122
PACKAGING MACHINE
Bradford R. Stetson, Minneapolis, Minn., assignor to Bemis Bro. Bag Co., Minneapolis, Minn., a corporation of Missouri
Application August 22, 1934, Serial No. 740,881
12 Claims. (Cl. 226—58)



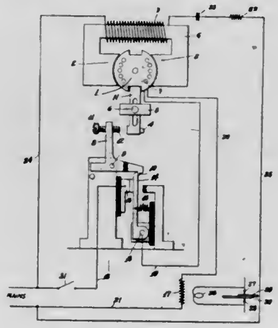
1. In a packaging machine, a bag filling mechanism, a conveyer beneath said mechanism adapted to receive the filled bags and convey them from said mechanism to a suitable destination, a member adapted to support an empty bag in an elevated position to receive a charge of material and automatically delivering the filled bag onto said conveyer, a fixed stop and a rollable element carried by said member and arranged to engage said stop and temporarily interrupt the downward movement of the member, when it approaches the conveyer, thereby to allow the full charge to discharge from the spout into the bag before the filled bag is deposited on the conveyer.

2,081,123
PERMUTATION LOCK
Elmer B. Stone, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application September 18, 1935, Serial No. 41,127
14 Claims. (Cl. 70—315)



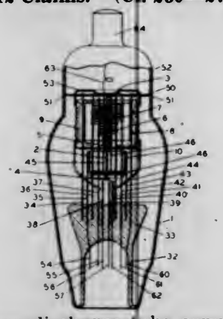
1. In a permutation lock, an actuating member rotatably mounted to operate a set of tumblers, an operating member continuously operatively connected with said actuating member for each unlocking operation thereof, a dial operatively connected through said operating member with said actuating member, a mount upon which said dial is movably mounted to temporarily sever its said connection and also for movement of the dial relatively to said actuating member to change the combination of the lock, and means other than said dial for determining the relative operative positions of the dial and tumblers.

2,081,124
ENERGY CONTROL
Carlo Vicario, New York, N. Y., assignor to Fleetwings, Incorporated, Garden City, N. Y., a corporation of Delaware
Application October 24, 1932, Serial No. 639,205
8 Claims. (Cl. 200—106)



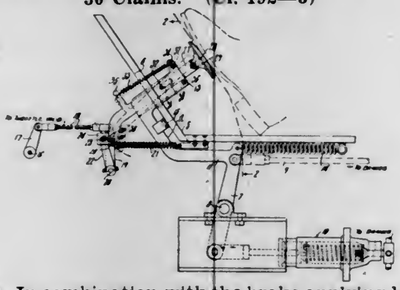
1. In a switch device, a contact member movable for controlling an electric circuit, and an electrically operable inertia device including an electro-magnet having a rotatable electro-magnet between its poles, means to vary the inertia of the device to vary the circuit energy to which the device responds, a latch to hold the contact member against movement in one direction, and means whereby a rotary movement of the electro-magnet between said poles will trip the latch comprising impact means carried by the inertia device.

2,081,125
SPACE DISCHARGE TUBE
Emmett Finley Carter, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application January 8, 1934, Serial No. 705,758
12 Claims. (Cl. 250—27.5)



10. A space discharge tube comprising an enclosing envelope containing a shield-grid unit having a control grid, and a tetrode unit having a control grid and an electrode which is common to both units and arranged to act as the shield grid for the first-mentioned unit and as an accelerating grid for the second-mentioned unit.

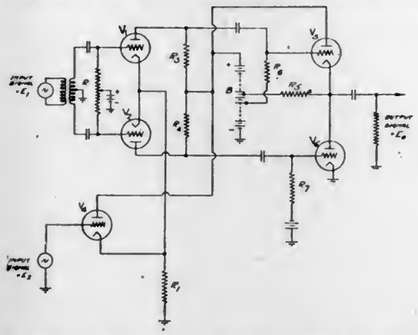
2,081,126
COMBINED MOTIVE FLUID CONTROL AND BRAKE OPERATING MEANS FOR MOTOR VEHICLES
Charles F. Dausmann, Hempstead, N. Y., assignor of one-third to Harry A. Bloomberg, New York, N. Y.
Application February 7, 1936, Serial No. 62,737
30 Claims. (Cl. 192—3)



3. In combination with the brake applying lever of a motor vehicle, accelerator means including a push-bar and foot pedal, mounted upon said lever and movable relative thereto, and said push-bar and lever having coacting means, rendered effective at the option of the operator in the depression of said push-bar, to actuate said lever and apply the vehicle brakes.

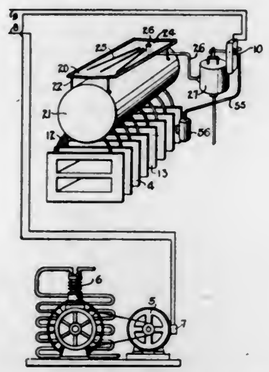
2,081,127
ELECTRICAL SYSTEM
Philip J. Konkle, Philadelphia, Pa., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 14, 1936, Serial No. 79,808
7 Claims. (Cl. 179—171)

1. In an electrical system, a plurality of space discharge devices each having an input circuit, an output circuit, and an effective mutual conductance, the mutual conductance of each of said space discharge devices being dependent upon the voltage in the input circuit of the respective discharge device, another space discharge device having an input circuit and an output circuit, an impedance having a voltage thereacross in said input circuits and said output circuits, for establishing said voltage in each of said input circuits



and each of said output circuits, means for introducing an input signal in the input circuit of at least one of said plurality of space discharge devices, means for introducing an input signal in the input circuit of said other space discharge device, and means for deriving signals from the output circuits of said plurality of space discharge devices and for combining said derived signals in opposed relation to form an output signal.

2,081,128
AUTOMATIC DEFROSTER AND MOISTURE CONTROL FOR MECHANICAL REFRIGERATORS
Alexander S. Volpin, Houston, Tex.
Application September 26, 1932, Serial No. 634,825
4 Claims. (Cl. 62—4)



1. A moisture collector for refrigerators including in combination with the refrigerating coil a collector member adapted to be contacted by the circulating air and to condense moisture from the air, means to drain off the accumulating moisture, and additional means to cut off the source of power for the coil to cause defrosting upon the accumulation of a predetermined quantity of moisture.

DESIGNS

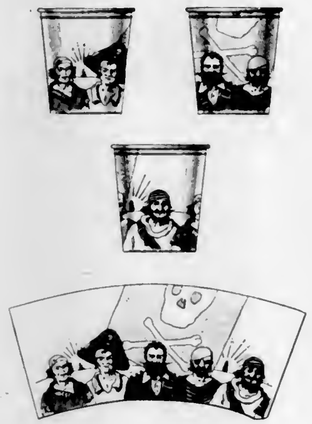
MAY 18, 1937

104,520
DESIGN FOR A CUFF LINK
James F. Allison, Providence, R. I., assignor to Freeman-Daughaday Company, a corporation of Rhode Island
Application April 13, 1937, Serial No. 68,731
Term of patent 14 years



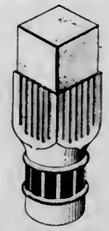
The ornamental design for a cuff link substantially as shown and described.

104,521
DESIGN FOR A PAPER CUP OR SIMILAR ARTICLE
Eliot P. Batchelder, Easton, Pa., assignor to Dixie-Vortex Company, Easton, Pa., a corporation of Delaware
Application August 4, 1936, Serial No. 64,238
Term of patent 7 years



The ornamental design for a paper cup or similar article as shown and described.

104,522
DESIGN FOR A COMBINED ERASER AND PENCIL TIP
Frank H. Beck, Shelbyville, Tenn.
Application March 18, 1937, Serial No. 68,303
Term of patent 7 years



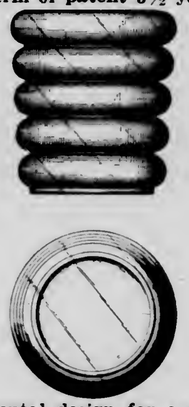
The ornamental design for a combined eraser and pencil tip, as shown.

104,523
DESIGN FOR A COMBINED ERASER AND PENCIL TIP
Frank H. Beck, Shelbyville, Tenn.
Application March 18, 1937, Serial No. 68,304
Term of patent 7 years



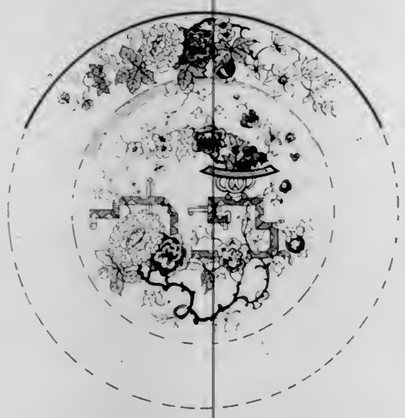
The ornamental design for a combined eraser and pencil tip, as shown.

104,524
DESIGN FOR A VASE OR SIMILAR ARTICLE
Edgar Mott Bottome, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 10, 1937, Serial No. 68,668
Term of patent 3½ years



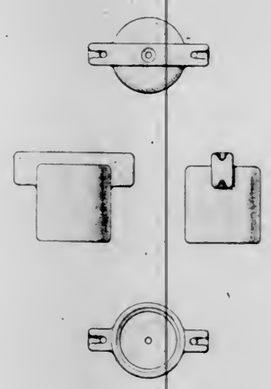
The ornamental design for a vase or similar article, substantially as shown.

104,525
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Douglas Bourne, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application October 22, 1936, Serial No. 65,429
Term of patent 14 years



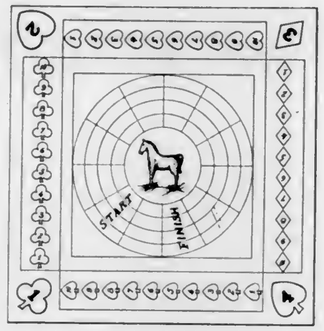
The ornamental design for a plate or similar article, substantially as shown and described.

104,526
DESIGN FOR AN ANTENNA COUPLER HOUSING
Leon S. Brach, East Orange, N. J.
Application December 17, 1936, Serial No. 66,596
Term of patent 7 years



The ornamental design for an antenna coupler housing as shown.

104,527
DESIGN FOR A GAME BOARD
Howard H. Brown, Providence, R. I.
Application March 17, 1937, Serial No. 68,214
Term of patent 7 years



The ornamental design for a game board substantially as shown.

104,528
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,986
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

104,529
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,987
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

104,530
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,988
Term of patent 7 years



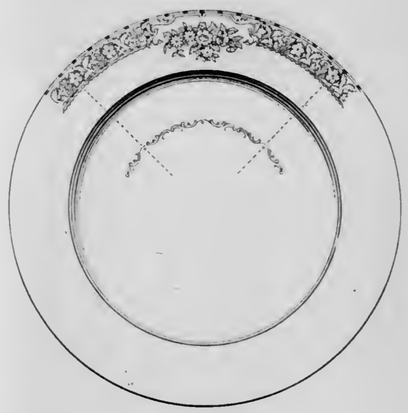
The ornamental design for a plate or similar article, as shown and described.

104,531
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,989
Term of patent 7 years



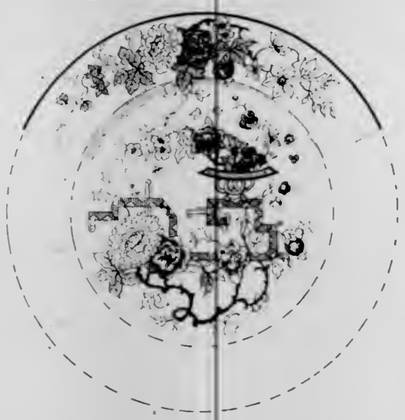
The ornamental design for a plate or similar article, as shown and described.

104,532
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,990
Term of patent 7 years



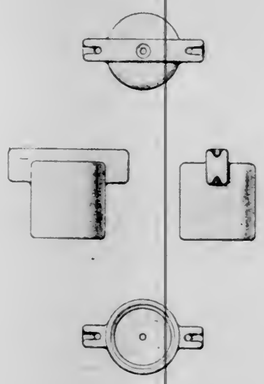
The ornamental design for a plate or similar article, as shown and described.

104,525
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Douglas Bourne, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application October 22, 1936, Serial No. 65,429
Term of patent 14 years



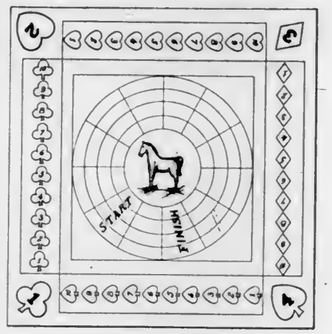
The ornamental design for a plate or similar article, substantially as shown and described.

104,526
DESIGN FOR AN ANTENNA COUPLER HOUSING
Leon S. Brach, East Orange, N. J.
Application December 17, 1936, Serial No. 66,596
Term of patent 7 years



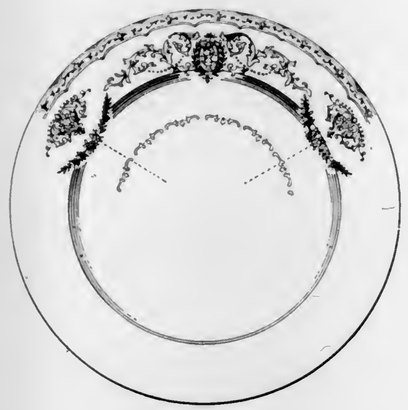
The ornamental design for an antenna coupler housing as shown.

104,527
DESIGN FOR A GAME BOARD
Howard H. Brown, Providence, R. I.
Application March 17, 1937, Serial No. 68,214
Term of patent 7 years



The ornamental design for a game board substantially as shown.

104,528
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,986
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

104,529
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,987
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

104,530
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,988
Term of patent 7 years



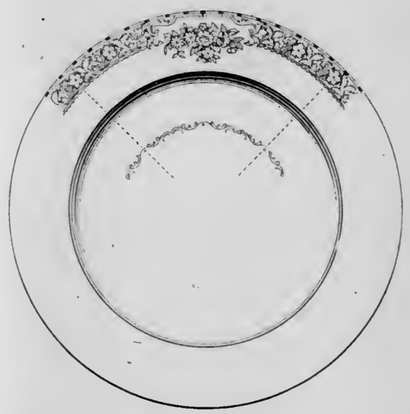
The ornamental design for a plate or similar article, as shown and described.

104,531
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,989
Term of patent 7 years



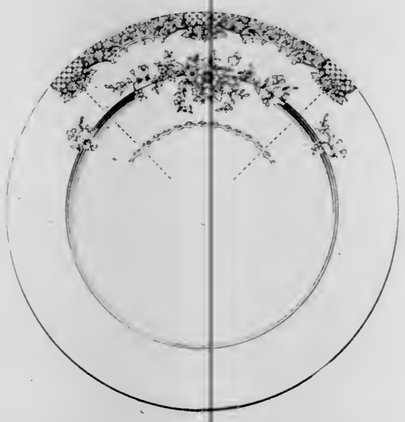
The ornamental design for a plate or similar article, as shown and described.

104,532
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,990
Term of patent 7 years



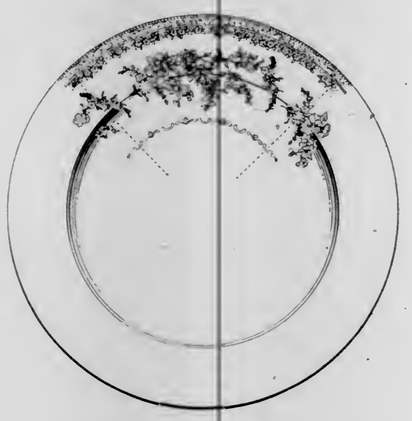
The ornamental design for a plate or similar article, as shown and described.

104,533
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,991
Term of patent 7 years



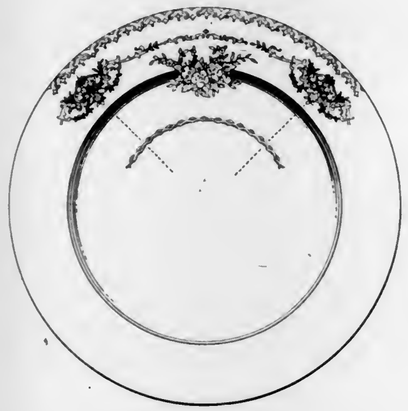
The ornamental design for a plate or similar article, as shown and described.

104,534
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,993
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

104,535
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,994
Term of patent 7 years



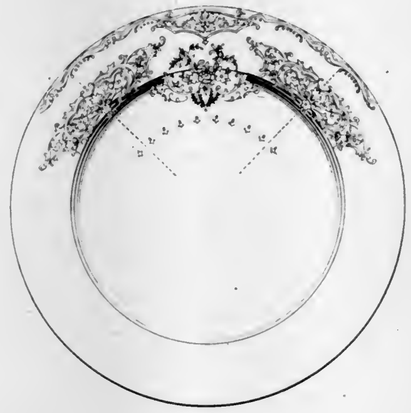
The ornamental design for a plate or similar article, as shown and described.

104,536
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,995
Term of patent 7 years



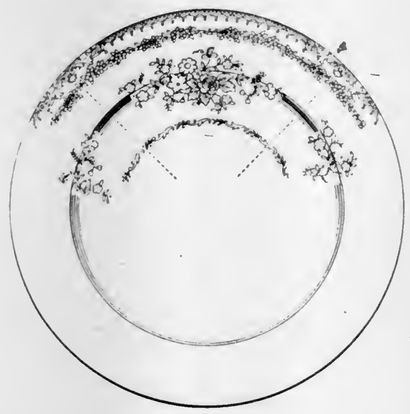
The ornamenal design for a plate or similar article, as shown and described.

104,537
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,996
Term of patent 7 years



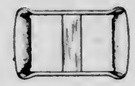
The ornamental design for a plate or similar article, as shown and described.

104,538
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,997
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

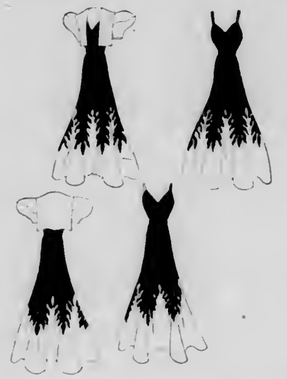
104,539
DESIGN FOR A BUCKLE
John B. Freysinger, New Britain, Conn.
Application March 13, 1937, Serial No. 68,159
Term of patent 3½ years





The ornamental design for a buckle, as shown.

104,540
DESIGN FOR AN ENSEMBLE DRESS
Jack Greenman, New York, N. Y.
Application March 8, 1937, Serial No. 68,075
Term of patent 3½ years



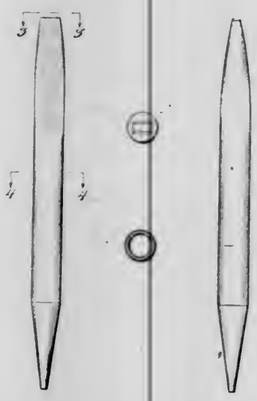
The ornamental design for an ensemble dress substantially as shown and described.

104,541
DESIGN FOR A FONT OF DISPLAY LETTERS OF THE ALPHABET
Frank Earl Higgins, New York, N. Y., assignor to California Perfume Company, Inc., New York, N. Y., a corporation of New York
Application August 8, 1936, Serial No. 64,293
Term of patent 14 years



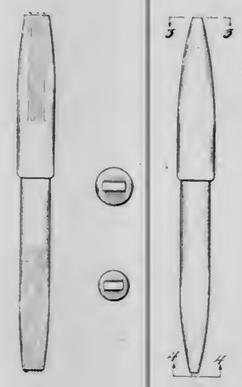
The ornamental design for a font of display letters of the alphabet as shown.

104,542
DESIGN FOR A PENCIL OR SIMILAR ARTICLE
Harold W. Pearce, West Barrington, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island
Application March 24, 1937, Serial No. 68,383
Term of patent 14 years



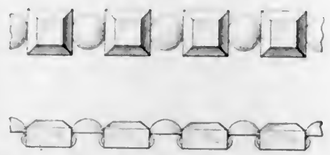
The ornamental design for a pencil or similar article substantially as shown and described.

104,543
DESIGN FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Harold W. Pearce, West Barrington, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island
Application March 24, 1937, Serial No. 68,384
Term of patent 14 years



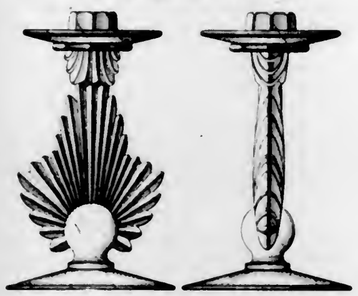
The ornamental design for a fountain pen or similar article substantially as shown and described.

104,544
DESIGN FOR A BRACELET CHAIN
Eugen Prestinari, Summit, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application March 24, 1937, Serial No. 68,366
Term of patent 7 years



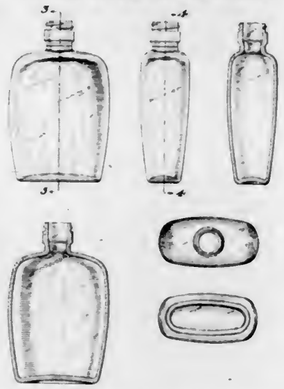
The ornamental design for a bracelet chain as shown.

104,545
DESIGN FOR A CANDLESTICK OR SIMILAR ARTICLE
George Sakier, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 10, 1937, Serial No. 68,664
Term of patent 3½ years



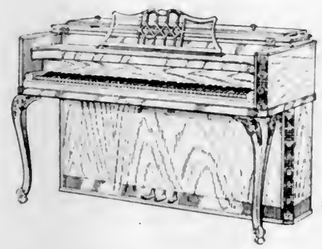
The ornamental design for a candlestick or similar article, substantially as shown.

104,546
DESIGN FOR A BOTTLE
Donald G. Topping, Coral Gables, Fla., assignor to Ronrico Corporation, Arecibo, Puerto Rico, a corporation of Puerto Rico
Application February 12, 1936, Serial No. 61,123
Term of patent 14 years



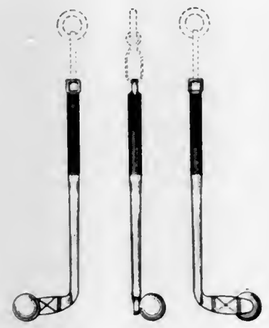
The ornamental design for a bottle, substantially as shown and described.

104,547
DESIGN FOR A PIANO
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill., a corporation of Ohio
Application March 18, 1937, Serial No. 68,262
Term of patent 7 years



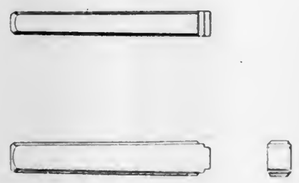
The ornamental design for a piano, substantially as shown.

104,548
DESIGN FOR A KEY HOLDER
George A. Benker, Providence, R. I.
Application March 25, 1937, Serial No. 68,398
Term of patent 7 years



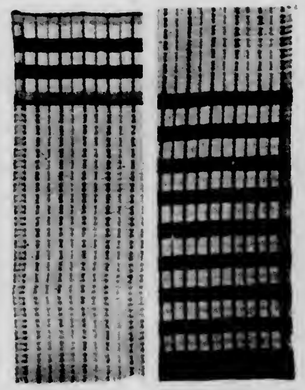
The ornamental design for a key holder, substantially as shown and described.

104,549
DESIGN FOR A HANDLE FOR KNIVES, FORKS, AND SIMILAR ARTICLES
Milton Bernstein, Brooklyn, N. Y.
Application March 31, 1936, Serial No. 61,880
Term of patent 7 years



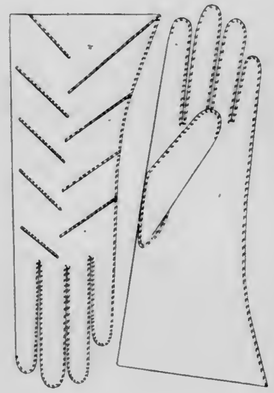
The ornamental design for a handle for knives, forks and similar articles, substantially as shown and described.

104,550
DESIGN FOR A CURTAIN OR SIMILAR ARTICLE
Howard R. Berridge, Hasbrouck Heights, N. J., assignor to Andrew McLean Co., Passaic, N. J., a corporation of New Jersey
Application January 27, 1937, Serial No. 67,303
Term of patent 7 years



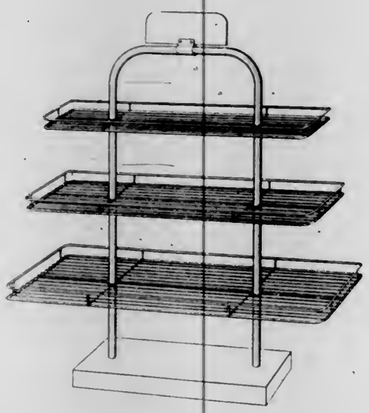
The ornamental design for a curtain or similar article, substantially as shown and described.

104,551
DESIGN FOR A GLOVE
Brenton F. Beverly, New York, N. Y.
Application April 17, 1937, Serial No. 68,833
Term of patent 3½ years



The ornamental design for a glove, substantially as shown.

104,552
DESIGN FOR A DISPLAY RACK
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application March 1, 1937, Serial No. 67,934
Term of patent 7 years



The ornamental design for a display rack, as shown.

104,553
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Douglas Bourne, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application October 8, 1936, Serial No. 65,203
Term of patent 14 years



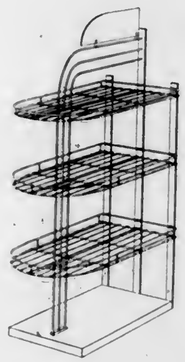
The ornamental design for a plate or similar article, substantially as shown and described.

104,554
DESIGN FOR A TEXTILE FABRIC
Sidney Breakstone, New York, N. Y.
Application April 17, 1937, Serial No. 68,827
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

104,555
DESIGN FOR A DISPLAY RACK
Leonard E. Butters, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application March 1, 1937, Serial No. 67,936
Term of patent 7 years



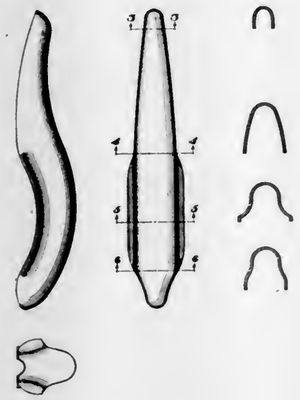
The ornamental design for a display rack, as shown.

104,556
DESIGN FOR A SLIPPER
Dominick J. Calderazzo, Brooklyn, N. Y.
Application April 2, 1937, Serial No. 68,525
Term of patent 3½ years



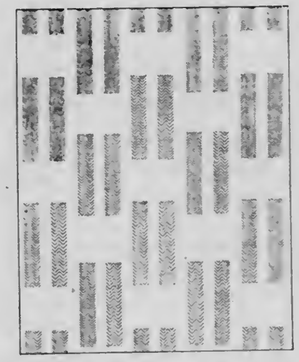
The ornamental design for a slipper substantially as shown.

104,557
DESIGN FOR A VERTICAL BUMPER
Alphonso S. Campbell, Winchester, Mass.
Application October 23, 1936, Serial No. 65,445
Term of patent 7 years



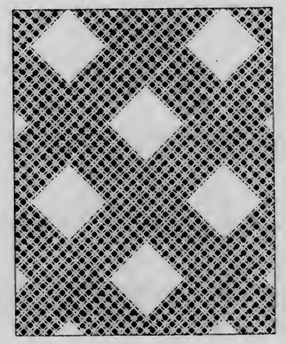
The ornamental design for a vertical bumper, substantially as shown.

104,558
DESIGN FOR WRAPPING PAPER OR SIMILAR ARTICLE
Theodore L. Carter, St. Louis, Mo., assignor to Orchard Paper Co., a corporation of Missouri
Application February 11, 1937, Serial No. 67,571
Term of patent 7 years



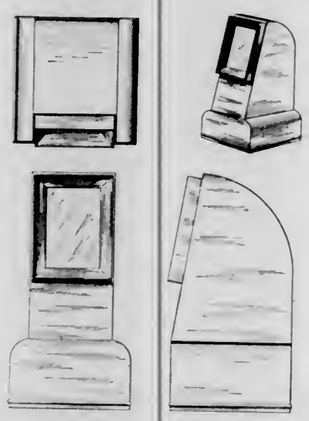
The ornamental design for wrapping paper or similar article, as shown.

104,559
DESIGN FOR WRAPPING PAPER OR SIMILAR ARTICLE
Theodore L. Carter, St. Louis, Mo., assignor to Orchard Paper Co., a corporation of Missouri
Application February 11, 1937, Serial No. 67,574
Term of patent 7 years



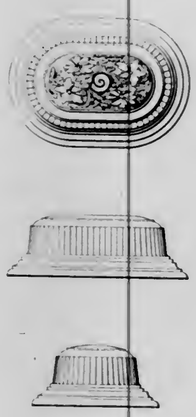
The ornamental design for wrapping paper or similar article, as shown.

104,560
DESIGN FOR A DISPLAY CABINET
Stanley F. Chamberlain, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 4, 1937, Serial No. 68,004
Term of patent 14 years



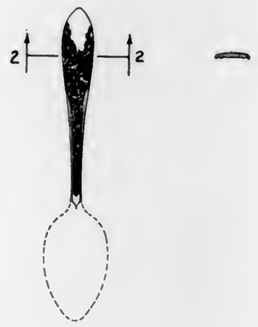
The ornamental design for a display cabinet as shown.

104,561
DESIGN FOR A JEWELRY DISPLAY BOX OR SIMILAR ARTICLE
Pierre J. Chéron, Stratford, Conn., assignor to Electric City Box Co., Inc., Buffalo, N. Y.
Application March 19, 1937, Serial No. 68,286
Term of patent 7 years



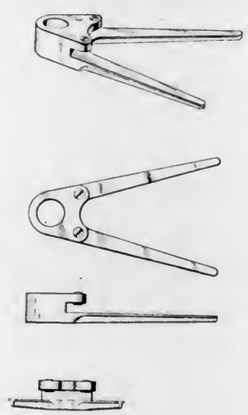
The ornamental design for a jewelry display box or similar article, substantially as shown.

104,562
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Marwood A. Downs, Muncie, Ind., assignor to Ontario Manufacturing Company, Muncie, Ind., a corporation
Application March 20, 1937, Serial No. 68,295
Term of patent 14 years



The ornamental design for a spoon or other article of flatware, substantially as shown.

104,563
DESIGN FOR A SHELF BRACKET
Francis E. Elmer, Bronson, Mich., assignor to L. A. Darling Company, Bronson, Mich., a corporation of Delaware
Application March 29, 1937, Serial No. 68,453
Term of patent 7 years



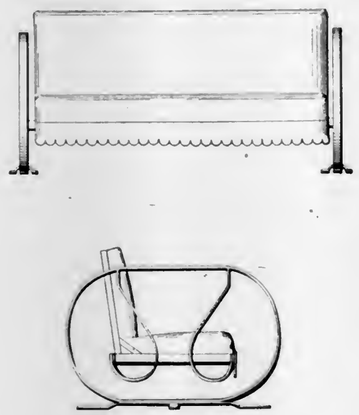
The ornamental design for a shelf bracket, substantially as shown.

104,564
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Emile Ericson, Pelham Wood, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y.
Application April 16, 1937, Serial No. 68,814
Term of patent 3½ years



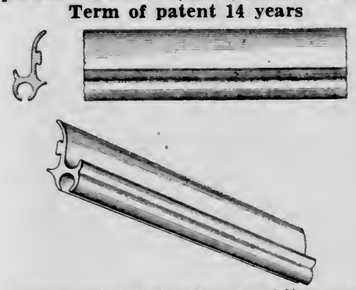
The ornamental design for a textile fabric or similar article as shown and described.

104,565
DESIGN FOR A GLIDER OR SIMILAR ARTICLE
Eugene G. Fischbach and Robert W. Sumey, Pueblo, Colo.
Application March 2, 1937, Serial No. 67,948
Term of patent 3½ years



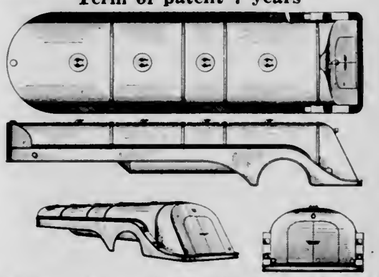
The ornamental design for a glider or similar article, as shown.

104,566
DESIGN FOR A MOLDING
Joseph C. Goss, Detroit, Mich., assignor to J. C. Goss Co., Detroit, Mich., a corporation of Michigan
Application March 29, 1937, Serial No. 68,449
Term of patent 14 years



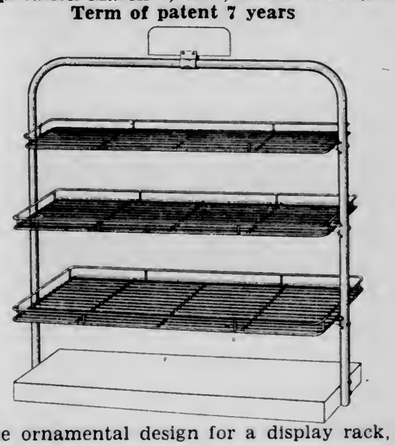
The ornamental design for a molding, as shown.

104,567
DESIGN FOR A TRUCK TANK
Otto N. Gredell, Kansas City, Mo., assignor to Standard Steel Works, North Kansas City, Mo., a corporation of Missouri
Application July 6, 1936, Serial No. 63,661
Term of patent 7 years



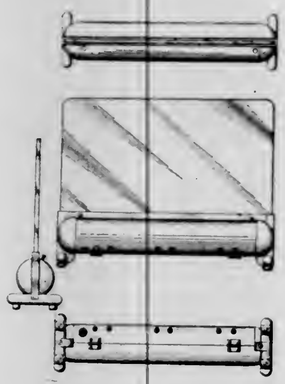
The ornamental design for a truck tank, as shown.

104,568
DESIGN FOR A DISPLAY RACK
Clair F. Griffin, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application March 1, 1937, Serial No. 67,935
Term of patent 7 years



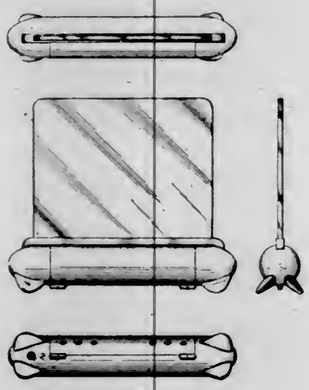
The ornamental design for a display rack, as shown.

104,569
DESIGN FOR A SIGN
Hyman C. Hammer, Chicago, Ill., assignor to Price Brothers, Inc., Chicago, Ill., a corporation of Illinois
Application February 23, 1937, Serial No. 67,785
Term of patent 3½ years



The ornamental design for a sign, substantially as shown.

104,570
DESIGN FOR A SIGN
Hyman C. Hammer, Chicago, Ill., assignor to Price Brothers, Inc., Chicago, Ill., a corporation of Illinois
Application March 17, 1937, Serial No. 68,209
Term of patent 3½ years



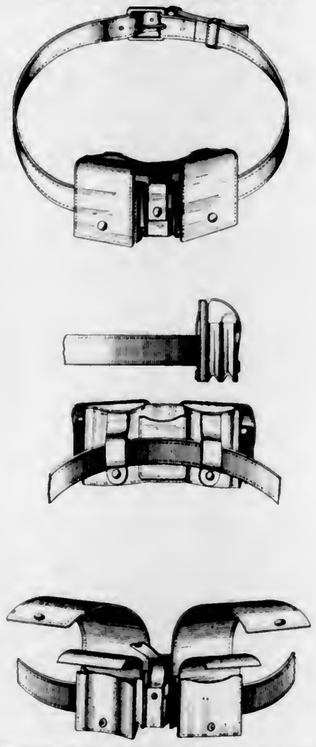
The ornamental design for a sign, substantially as shown.

104,571
DESIGN FOR A TELEPHONE RECEIVER
Nathan A. Kurman, Long Island City, N. Y., assignor to Kurman Electric Co., Inc., New York, N. Y.
Application June 24, 1936, Serial No. 63,457
Term of patent 14 years



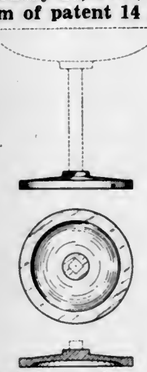
The ornamental design for a telephone receiver, as shown.

104,572
DESIGN FOR A SPORT BELT
Florence N. Lewis, New York, N. Y.
Application February 20, 1937, Serial No. 67,770
Term of patent 3½ years



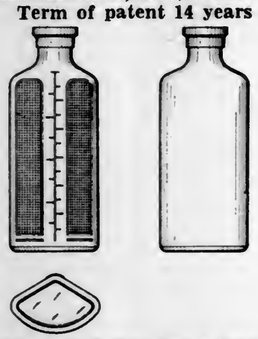
The ornamental design for a sport belt as shown.

104,573
DESIGN FOR A COMPORT OR SIMILAR ARTICLE
Will Cameron McCartney, Cambridge, Ohio
Application February 16, 1937, Serial No. 67,693
Term of patent 14 years



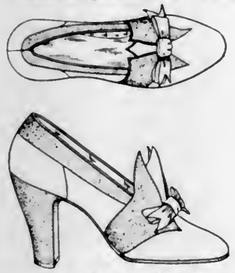
The ornamental design for a comport or similar article, substantially as shown and described.

104,574
DESIGN FOR A BOTTLE
William A. Nester, East St. Louis, Ill., assignor to Obear-Nester Glass Company, St. Louis, Mo., a corporation of Missouri
Application March 25, 1937, Serial No. 68,401
Term of patent 14 years



The ornamental design for a bottle, substantially as shown and described.

104,575
DESIGN FOR A SHOE
Hans H. C. Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 2, 1936, Serial No. 65,632
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

104,576
DESIGN FOR DECORATIVE PAPER
Marie Orth, Jamaica, N. Y., assignor to Trautmann, Bailey & Blampey, New York, N. Y., a corporation of New Jersey
Application March 16, 1937, Serial No. 68,181
Term of patent 3½ years



The ornamental design for decorative paper, as shown.

104,577
DESIGN FOR DECORATIVE PAPER
Marie Orth, Jamaica, N. Y., assignor to Trautmann, Bailey & Blampey, New York, N. Y., a corporation of New Jersey
Application March 16, 1937, Serial No. 68,182
Term of patent 3½ years



The ornamental design for decorative paper, as shown.

104,578
DESIGN FOR DECORATIVE PAPER
Marie Orth, Jamaica, N. Y., assignor to Trautmann, Bailey & Blampey, New York, N. Y., a corporation of New Jersey
Application March 16, 1937, Serial No. 68,183
Term of patent 3½ years



The ornamental design for decorative paper, as shown.

104,579
DESIGN FOR DECORATIVE PAPER
Marie Orth, Jamaica, N. Y., assignor to Trautmann, Bailey & Blampey, New York, N. Y., a corporation of New Jersey
Application March 16, 1937, Serial No. 68,184
Term of patent 3½ years



The ornamental design for decorative paper, as shown.

104,580
DESIGN FOR DECORATIVE PAPER
Marie Orth, Jamaica, N. Y., assignor to Trautmann, Bailey & Blampey, New York, N. Y., a corporation of New Jersey
Application March 16, 1937, Serial No. 68,185
Term of patent 3½ years



The ornamental design for decorative paper, as shown.

104,581
DESIGN FOR A TUBING FOR LAMP STANDS OR THE LIKE
Nicholas Rainone, Chicago, Ill.
Application March 6, 1937, Serial No. 68,050
Term of patent 7 years



The ornamental design for a tubing for lamp stands or the like, substantially as shown and described.

104,582
DESIGN FOR A GEM SETTING
Henry Rufeisen, Newark, N. J.
Application December 31, 1936, Serial No. 66,830
Term of patent 3½ years



The ornamental design for a gem setting, as shown.

104,583
DESIGN FOR A SLIPPER
Oscar A. Saccal, Brooklyn, N. Y.
Application April 26, 1937, Serial No. 68,968
Term of patent 3½ years



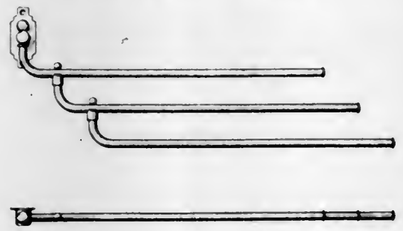
The ornamental design for a slipper, substantially as shown.

104,584
DESIGN FOR A STOPPER FOR PERFUME BOTTLES AND THE LIKE
Louis Albert Samstag, New York, N. Y.
Application April 9, 1937, Serial No. 68,645
Term of patent 3½ years



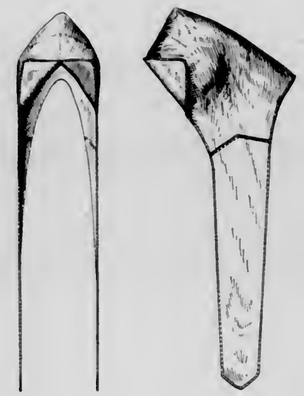
The ornamental design for a stopper for perfume bottles and the like, as shown.

104,585
DESIGN FOR A TOWEL RACK
Murray Sasanoff, Brooklyn, N. Y.
Application April 2, 1937, Serial No. 68,535
Term of patent 14 years



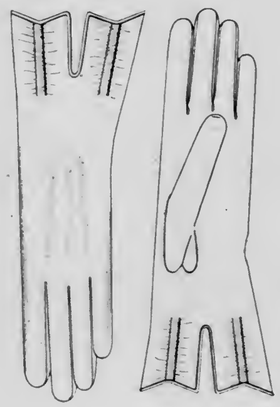
The ornamental design for a towel rack as shown.

104,586
DESIGN FOR A LADY'S HEAD COVERING
Samuel Sheindelman, New York, N. Y.
Application July 11, 1936, Serial No. 63,776
Term of patent 3½ years



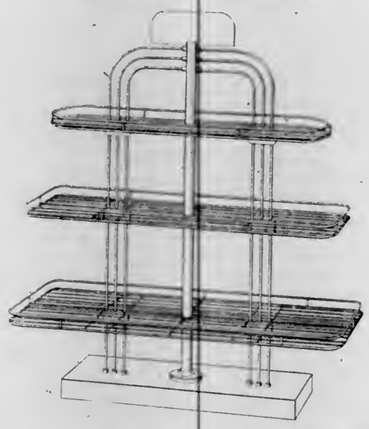
The ornamental design for a lady's head covering as shown.

104,587
DESIGN FOR A GLOVE
Sylvan M. Straus, Gloversville, N. Y.
Application April 19, 1937, Serial No. 68,850
Term of patent 3½ years



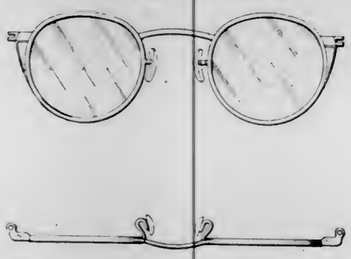
The ornamental design for a glove, substantially as shown.

104,588
DESIGN FOR A DISPLAY RACK
Robert L. Swartwout, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application March 1, 1937, Serial No. 67,933
Term of patent 7 years



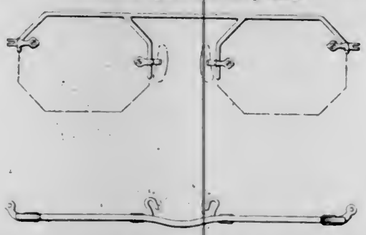
The ornamental design for a display rack, as shown.

104,589
DESIGN FOR A SPECTACLE FRONT
Vincent Tanasso, Harrison, and Jacob J. Pomeranz, Brooklyn, N. Y.
Application June 4, 1936, Serial No. 63,024
Term of patent 7 years



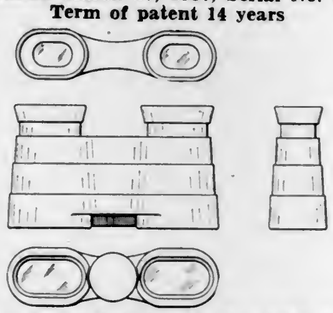
The ornamental design for a spectacle front, as shown.

104,590
DESIGN FOR A SPECTACLE FRONT
Vincent Tanasso, Harrison, and Jacob J. Pomeranz, Brooklyn, N. Y.
Application June 4, 1936, Serial No. 63,025
Term of patent 14 years



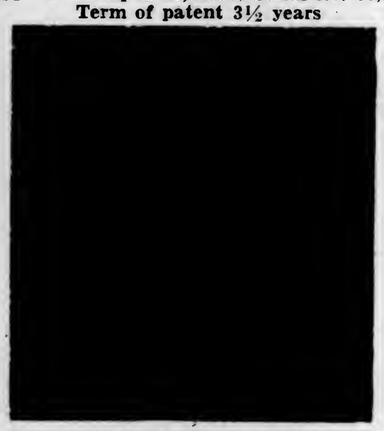
The ornamental design for a spectacle front, as shown.

104,591
DESIGN FOR AN OPERA GLASS OR SIMILAR ARTICLE
Otto E. Trautmann, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 27, 1937, Serial No. 68,446
Term of patent 14 years



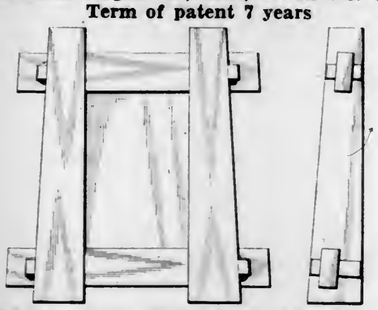
The ornamental design for an opera glass or similar article, substantially as shown.

104,592
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application April 19, 1937, Serial No. 68,851
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

104,593
DESIGN FOR A PICTURE FRAME
Fred Van Etten, Agness, Oreg.
Application August 20, 1936, Serial No. 64,494
Term of patent 7 years



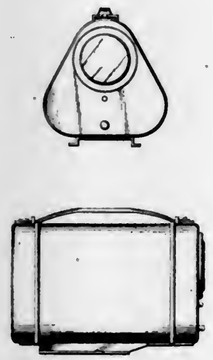
The ornamental design for a picture frame as shown.

104,594
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Albert M. Walker, Akron, Ohio, assignor to The Bailey-Walker China Company, Bedford, Ohio, a corporation of Ohio
Application February 26, 1937, Serial No. 67,881
Term of patent 7 years



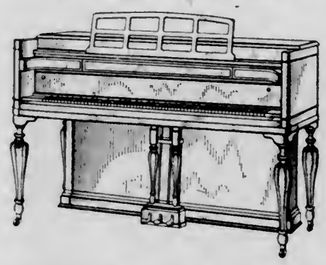
The ornamental design for a plate or similar article, as shown.

104,595
DESIGN FOR A COMBINED LANTERN AND BATTERY CASE OR SIMILAR ARTICLE
Eugene W. Weston, Elginburgh, Ontario, Canada
Application April 1, 1936, Serial No. 61,897
Term of patent 14 years



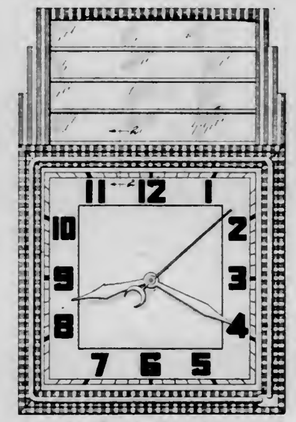
The ornamental design for a combined lantern and battery case or similar article, as shown.

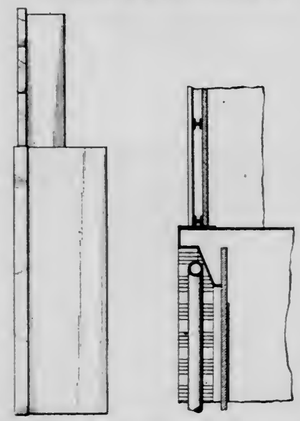
104,596
DESIGN FOR A PIANO CASE
Samuel E. Zack, Chicago, Ill., assignor to Gulbransen Company, Chicago, Ill., a corporation of Illinois
Application August 22, 1936, Serial No. 64,519
Term of patent 3½ years



The ornamental design for a piano case, as shown.

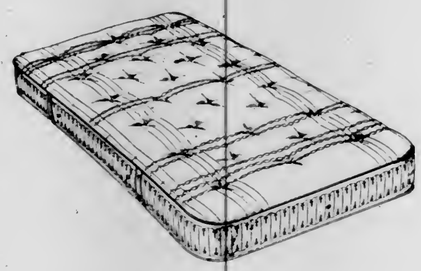
104,597
DESIGN FOR A COMBINED SIGN AND CLOCK
Jacob Duman, Chicago, Ill.
Application May 8, 1936, Serial No. 62,539
Term of patent 3½ years





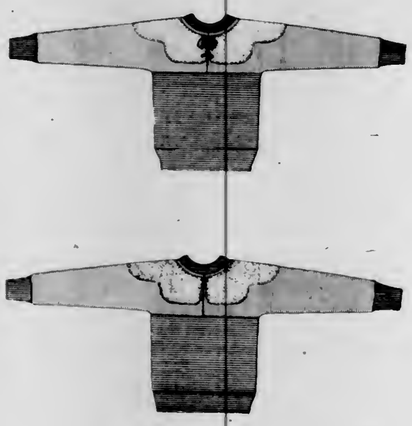
The ornamental design for a combined sign and clock substantially as shown and described.

104,598
DESIGN FOR A MATTRESS
Sidney E. Blumenthal, New Orleans, La.
Application May 11, 1936, Serial No. 62,600
Term of patent 7 years



The ornamental design for a mattress as shown and described.

104,599
DESIGN FOR A SWEAT SHIRT
Harry Charles, Norwich, N. Y., assignor to Norwich Knitting Company, Norwich, N. Y., a corporation of New York
Application April 6, 1937, Serial No. 68,582
Term of patent 7 years



The ornamental design for a sweat shirt as shown.

104,600
DESIGN FOR A DRESS
Rose Feintuck, New York, N. Y.
Application April 21, 1937, Serial No. 68,896
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

104,601
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application April 21, 1937, Serial No. 68,899
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

104,602
DESIGN FOR A TEXTILE FABRIC
Robert T. Russell, New York, N. Y.
Application April 8, 1937, Serial No. 68,620
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

104,603
DESIGN FOR A TEXTILE FABRIC
Robert T. Russell, New York, N. Y.
Application April 8, 1937, Serial No. 68,621
Term of patent 3½ years



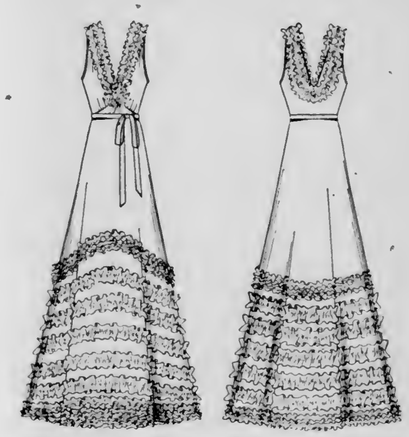
The ornamental design for a textile fabric, substantially as shown and described.

104,604
DESIGN FOR A TEXTILE FABRIC
Robert T. Russell, New York, N. Y.
Application April 8, 1937, Serial No. 68,622
Term of patent 3½ years



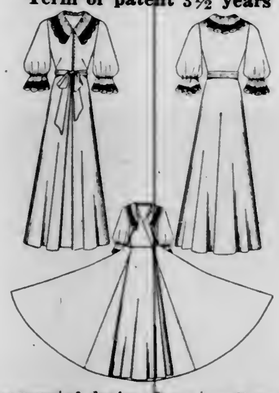
The ornamental design for a textile fabric substantially as shown and described.

104,605
DESIGN FOR A DRESS
William G. Steinman, New York, N. Y.
Application April 21, 1937, Serial No. 68,897
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

104,606
DESIGN FOR A NEGLIGEE ENSEMBLE
Ethel Eaton Stricker, New York, N. Y.
Application March 27, 1937, Serial No. 68,422
Term of patent 3½ years



The ornamental design for a negligee ensemble, substantially as shown, and described.

104,607
DESIGN FOR A DRESS
Philip Wenett, New York, N. Y.
Application April 10, 1937, Serial No. 68,660
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

Patents Nos. 2,081,129 to 2,081,895

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 478—No. 4 TUESDAY, MAY 25, 1937 Price—$16 per year

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May 25, 1937

Trade-Marks	171	No. 346,323	to No. 346,493,	inclusive.
T. M. Renewals	20			
Labels	22	No. 49,324	to No. 49,345,	inclusive.
Prints	2	No. 16,199	to No. 16,200,	inclusive.
Reissues	9	No. 20,376	to No. 20,384,	inclusive.
Patents	767	No. 2,081,129	to No. 2,081,895,	inclusive.
Designs	106	No. 104,608	to No. 104,713,	inclusive.
Total	1,097			

Interference Notice

U. S. Patent Office, *Washington, D. C., May 7, 1937.*

Frederick Newman, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications for patent of Frederick Newman, 735 North Wabash Ave., Chicago, Ill.; Walter A. Shick, 3522 Henritze Ave., Cleveland, Ohio; Carl W. De Weese, No. 3024 Tuxedo Ave., Parma, Ohio; and Forest H. Clickner, % Kraft-Phenix Cheese Corporation, 400 Rush St., Chicago, Ill., and a notice of the redeclaration thereof sent to said Newman at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Newman, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. N. Y.) Smith patent, No. 2,030,476, for method of producing mirrors, claims 1 to 4 *Held* not infringed. *Foster D. Snell, Inc.*, v. *Potters*, 88 F.(2d) 611.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,945,285, R. R. Machlett, Low voltage discharge tube, decided April 5, 1937, claims 1, 2, 3, 4, 5, 6, and 15.

Pat. 1,961,617, R. R. Machlett, Luminous discharge tube, decided April 5, 1937, claims 2, 3, 4, 5, 6, and 13.

Pat. 1,961,618, R. R. Machlett, Low voltage electric discharge tube, decided April 5, 1937, claim 9.

Pat. 2,004,630, Carl Krug, Grinding disk, decided March 25, 1937, claims 1, 2, 3, and 4.

Trade-Mark Registrations Canceled

212,028. Fuel-oil burners and stoves. Franklin Schroyer, Hutchinson, Kans. Registered April 27, 1926. Canceled April 23, 1937.

225,647. Liquid lubricants. The Vesuvius Corporation, Los Angeles, Calif. Registered March 22, 1927. Canceled April 23, 1937.

311,995. Lubricating oil. Filtrol Company of California, Los Angeles, Calif. Registered April 10, 1934. Canceled May 7, 1937.

330,304. Whiskey. Glencoe Distillery Co. Inc., Louisville, Ky. Registered November 26, 1935. Canceled April 23, 1937.

338,107. Vestees. Howard J. Levi, doing business as Levi, Simson & Co., New York, N. Y. Registered August 25, 1936. Canceled April 23, 1937.

340,083. Paint, varnishes, stains, and enamels. General Paint & Varnish Co., Chicago, Ill. Registered November 3, 1936. Canceled May 7, 1937.

Transfer of Subclasses

Order No. 3393

U. S. Patent Office, *Washington, D. C., May 3, 1937.*

The following transfer to take effect Monday, May 10, 1937, is hereby ordered:

Class 171, subclasses 34, 95, 264, 265, 266, 267, 268, 270, 271, 272, 273, 308, 309,
and
Class 172, subclass 245,
from Division 26 to Division 36.

CONWAY P. COE,
Commissioner.

Condition of Applications Under Examination at Close of Business May 8, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 38,458; Trade-Mark Division, 1,924. Oldest new case, Nov. 11, 1936; oldest amended, Nov. 4, 1936.)
(The dates given are 1937 except where † indicates 1936)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6524	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 9	Feb. 20	522
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	†Dec. 29	†Dec. 24	750
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 13	Feb. 17	463
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Feb. 4	Feb. 1	576
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Feb. 24	Feb. 20	536
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Jan. 12	Jan. 26	740
5725	7. JARBOE, C. G., Optics; Photography	Feb. 8	Feb. 8	880
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Feb. 4	Feb. 15	598
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Jan. 16	Jan. 15	470
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Feb. 11	Feb. 17	396
5067B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Feb. 9	Feb. 13	449
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	†Dec. 20	Jan. 15	719
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 8	Feb. 8	498
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Feb. 8	Feb. 8	636
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 2	Feb. 2	930
5612	16. SPENCER, C. J., Telegraphy; Telephony	Jan. 7	Jan. 7	689
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 12	Feb. 12	528
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 12	Jan. 8	505
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Jan. 21	Jan. 14	742
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 2	Feb. 3	484
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 8	Feb. 8	632
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 13	Feb. 13	550
7624	23. BUTTNER, W. J. (Act.), Registers (part)	†Dec. 24	†Nov. 4	217
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters, Sewing Machines	Feb. 23	Feb. 25	558
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 8	Feb. 10	491
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Feb. 10	Jan. 15	470
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	†Dec. 15	†Dec. 14	725
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Feb. 10	Feb. 12	327
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Feb. 19	Feb. 24	467
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Dec. 29	†Dec. 29	834
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Feb. 11	Feb. 20	462
4086	32. LESH, KARL (Act.), Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Feb. 4	Feb. 5	517
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Feb. 24	Feb. 16	634
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Mar. 5	Mar. 3	272
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Jan. 13	Jan. 2	629
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Feb. 27	Feb. 23	284
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	†Dec. 19	†Dec. 17	799
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Feb. 9	Feb. 13	500
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	Feb. 8	Feb. 3	480
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 5	Jan. 7	1267
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	Jan. 9	Jan. 14	390
5882	42. CUTTING, H. O., Electric Signaling	Feb. 22	Feb. 6	484
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Feb. 8	Feb. 8	562
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Jan. 12	Jan. 12	655
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Jan. 11	Jan. 6	697
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Feb. 17	Feb. 18	397
6082	47. BARKER, H., Clutches; Brakes	Feb. 27	Feb. 27	425
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Feb. 9	Feb. 8	543
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 17	Feb. 8	489
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Feb. 8	Feb. 8	627
5628	51. BACKUS, C. D., Radiant Energy	Feb. 4	Feb. 4	807
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Feb. 19	Feb. 17	636
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 2	Jan. 2	998
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Mar. 17	Mar. 17	347
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Nov. 11	†Dec. 3	930
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making	Jan. 14	Jan. 18	787
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	†Nov. 28	Jan. 12	689
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 23	Feb. 17	338
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Feb. 17	Feb. 19	492
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	†Dec. 29	†Dec. 31	568
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Jan. 27	Jan. 26	354
3876	62. PUGH, E. C., Games; Geometrical Instruments	Feb. 17	Feb. 19	458
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Feb. 3	Feb. 2	506
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Feb. 8	Feb. 8	857
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Dec. 10	†Dec. 14	635
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Apr. 8	Apr. 13	1562
	{Labels and Prints	Apr. 8	Apr. 23	362
2605	Designs, H. H. KALUPY	Apr. 12	Apr. 21	552

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE LAUCKS AND DAVIDSON

No. 3,699. Decided January 4, 1937

[86 F.(2d) 833]

PATENTABILITY—FUNCTIONAL CLAIMS—GLUE COMPOSITION AND METHOD OF MAKING SAME.

Certain claims for a glue composition and certain claims for the method of making same *Held* properly rejected as indefinite.

APPEAL from the Patent Office. Affirmed.

Messrs. Fay, Oberlin & Fay and *Mr. Almon S. Nelson* for Laucks and Davidson.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.:*

A number of claims of appellants' application for a patent relating to a glue composition and the process of making it were allowed by the United States Patent Office, and appeal has been taken here from a decision of the Board of Appeals, affirming that of the Primary Examiner, in rejecting a large number of claims, of which claims 1 and 19 are illustrative of the article and the process claims, respectively, and follow:

1. A glue composition, comprising a vegetable protein material, an agent cooperating therewith but having a side effect of ultimately shortening the spreading-life of the glue by change of its initial consistency through development of thickening, and an agent for preventing such change in the consistency of the glue.

19. The process of making a glue, which comprises incorporating with a vegetable protein material casein and an agent providing a sulfur derivative of carbonic acid, and preventing premature shortening of the spreading-life of the glue by introducing a thickening-inhibiting component.

The sole reference relied upon, Laucks et al., 1,691,661, November 13, 1928, is appellants' own patent, not issued more than two years prior to the filing of the instant application, and the Patent Office tribunals have not regarded it as prior art, but referred to it as showing by its claims what subject matter has already been patented to appellants.

With the exception of claims 19, 36, 46, and 47, the Examiner rejected the claims on two grounds: First. Breadth of claims. Second. Rejection in view of the claims already allowed in appellants' patent. Said claims 19, 36, 46, and 47 were not rejected upon appellants' prior patent but upon the so-called breadth of the claims. The Board of Appeals stated that the Examiner rejected all the claims on the ground that they are too broad and that "All of the appealed claims except 19, 46, and 47 have also been rejected on applicants' prior patent."

It will be noted that claim 1 calls for a glue composition, comprising a vegetable protein material, and

"an agent cooperating therewith but having a side effect of ultimately shortening the spreading-life of the glue by change of its initial consistency through development of thickening, and an agent for preventing such change in the consistency of the glue,"

and in claim 19 is the expression "and preventing premature shortening of the spreading-life of the glue by introducing a thickening-inhibiting component." Similar expressions in the various rejected claims are, by appellants, urged as lending patentability to them.

On the breadth of the claims referred to by the tribunals the Examiner stated:

Claims 1, 17, 19, 25, 30, 31, 34, 35, 38, 39, and 47 are rejected as too broad in the recital: "an agent cooperating therewith but having a side effect of ultimately shortening the spreading life of the glue by change of its initial consistency through development of thickening." We have already referred to this agent as a thickening hastening agent (3) and shall for convenience use the term—thickener. In the specification we find that these thickeners are adeled [added] in order to improve the spreading and flow of the glue, and the water resistance. Examples given are carbon bisulfide and calcium polysulfide. It is further stated that other sulfur compounds of "like properties or constitution" are suitable "compounds of special utility being those which provide a sulfur derivative of carbonic acid." Accordingly claims have been allowed which recite this latter class. And claims have been rejected which recite thickeners in functional, general, terms only.

It cannot be held here that the class of thickeners is one having a community of chemical or physical characteristics definitely recognized in scientific classification (*Ex parte Burke*, 441 O. G. 508). * * *

* * * * * * * * *

Claims 1, 17, 19, 25, 30, 31, 34, 35, 38, 39, and 47 are too broad and functional in the thickeners; claims 1, 17, 19, 37, 40, and 46 are too broad and functional in "anti-thickening" agents.

The Board of Appeals, referring to the action of the Examiner, stated:

* * * He also refers to such expression as appears in claim 37 "* * * an agent for inhibiting the tendency of the latter to develop [develop] a change in the initial consistency of the glue." It is the position of the Examiner that there are no accepted identifiable classes of substances which can be said to be either glue thickener or anti-glue thickeners. Applicants have named different substances which they allege serve this function, and argue that they are entitled to broad claims. * * *

It will be noted that the applicants refer to specific thickeners and anti-thickeners in their specification, but that they are not named in the claims. It was the opinion of the tribunals below that the claims were broader than appellants' invention and it is pointed out that the claims do not recite any specific proportion of the elements so as to perform a new function because of such proportion and as stated by the Board:

* * * It is clear that chemists have not recognized any particular class of substances that perform the functions set forth. Hence to merely recite the functions of such substances, clearly renders the claims indefinite and functional and covers a range beyond applicants' disclosures.

We think the claims are indefinite to the extent that the applicants have not complied with section 4888 of the Revised Statutes in that they have failed to state their invention "in such full, clear, concise and exact terms as to enable any person skilled in the art or science to which it appertains, or with which it is most nearly connected, to make, construct, compound, and use the same."

As a ground of rejection the Board held that the claims were indefinite and functional. We think their rejection amounts to a holding that they were so indefinite as to constitute a failure on the part of the applicants to comply with the requirements of the said statute above quoted.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

CAMPBELL *v.* EVANS

No. 3,685. Decided February 1, 1937

[87 F.(2d) 522]

INTERFERENCE—PRIORITY—RIGHT TO MAKE CLAIMS IN ISSUE.

Specification of E's. interfering application held sufficient to support the claims in issue and *Held* that priority was properly awarded to him since C. made no claim that he was entitled to priority if E. could make the counts involved.

APPEAL from the Patent Office. Affirmed.

LENROOT, *J.*, concurring.

Mr. Frank E. Liverance, Jr., Mr. Donald M. Carter, Mr. John Boyle, Jr., and *Mr. Francis W. Parker, Jr.*, for Campbell.

Mr. Howard W. Hodgkins and *Mr. E. W. Shepard* for Evans.

HATFIELD, *J.*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of invention as to all of the counts, Nos. 1, 2, 3, 4, and 6, to appellee, Edwin R. Evans.

The counts in issue originated in appellant's application.

Count 5, one of the counts before the Examiner of Interferences, was not included in appellant's appeal to the Board of Appeals, and, therefore, is not before us for consideration.

Count 1, so far as the issues here are concerned, is sufficiently illustrative of counts 1, 2, 3, and 4, which relate to the article of manufacture, to wit, a brake drum. It reads:

1. A brake drum comprising an outer supporting metal drum shell having a cylindrical drum flange of wrought steel, and a centrifugally cast metal continuous band located within and against said flange *having a continuous fused bond connection therewith at the inner and outer sides respectively of the drum shell and band.* [Italics ours.]

Count 6 is a process claim. It reads:

6. The process of lining a wrought preformed steel drum with cast iron which consists in heating the drum to a temperature above that at which contact between melted iron and the drum will cause solidification of the iron and below 1500° F., rotating the drum about its central axis, discharging a stream of melted iron against the inner periphery thereof, the speed of rotation being such that the melted iron is held by centrifugal force against the inner periphery of and is entirely supported by the drum in a continuous fluid ring, continuing the rotation of the drum until the melted iron has solidified *and has formed a continuous uniform fused union between the inner periphery of the drum and the resultant cast iron lining ring.* [Italics ours.]

The sole question before us is whether appellee has the right to make claims constituting the counts in issue.

Each of the tribunals of the Patent Office held that appellee's disclosure was sufficient to warrant him making the involved counts.

It is not denied by counsel for appellant that if appellee's disclosure is sufficient to warrant him making the counts in issue he is entitled to an award of priority.

The sole issue in the case is whether appellee's disclosure is sufficient for the purpose mentioned. If it is, the decision of the Board of Appeals should be affirmed. If it is not, it should be reversed.

We come, therefore, to a more detailed discussion of the issues in the case, and the question is whether appellee disclosed in his application the features contained in the italicized language in the quoted counts, which are vital to the invention, that is "a continuous fused bond connection" between the cylindrical drum flange and the centrifugally cast metal band located within and against said flange.

The Examiner of Interferences was of opinion that appellee did make such disclosure.

The Board of Appeals affirmed the decision of the Examiner of Interferences.

Counsel for appellant state that—

If the decision of the Patent Office is sustained, a patent will be granted to Evans on a "paper application" which, not only does not as filed disclose the invention of the issue, but does not have behind it any attempt toward actual reduction to practice of the other different invention which Evans actually did make, and which "paper application" will dominate an intervening extensive industry, independently developed by Campbell at great expense, without any contribution thereto by Evans.

With reference to the invention counsel state that—

In making these brake drums, a metal shell, open at the side and having a cylindrical wall parallel to its central axis, is rotated about a horizontal axis and hot molten cast iron is poured into the shell and centrifugal force causes it to be evenly distributed over the inner face of the cylindrical wall. The hot iron, as used by Campbell, 3000° F., melts the surface of this steel wall, with which it comes into contact, and the steel and iron are fused together. The cooler iron of Evans, 2200° F., is not hot enough to melt the surface of the steel and the steel and the iron are not fused together.

It is argued by counsel for appellant that appellee never had the idea of fusing the "iron liner" to the steel shaft; that all he contemplated was a "shrink fit between the steel and the iron"; and that the temperatures mentioned in the Evans' application were not sufficient to warrant the conclusion that the surface of the steel and the iron were fused together so as to form what is known in the claims as a "fused bond" between the two.

It is stated by counsel for appellant in their brief that appellee was conversant with the well-known fact that it required a temperature of around 2500° F., to fuse the two metals above referred to.

Each of the tribunals of the Patent Office was of opinion that the failure of appellant to successfully reduce appellee's invention to practice in its tests was because he deliberately refused to include the ordinary flux, which, although not mentioned in appellee's disclosure, was recognized by all skilled in the art as necessary to the making of a "fused bond" or a "fusion", within the meaning of the involved counts.

We deem it unnecessary to enter upon a lengthy discussion relative to the issues here involved. We think it is sufficient to quote from the decision of the Board, wherein, among other things, it was said:

The Evans application as filed, after discussing the prior art and the advantage of using cast iron as a braking surface, specified that it is an object of his invention:

"To provide a method of forming such drums by casting the iron into the steel in such manner as to prevent the parting of the bond between the cast iron and the steel due to the variation in the shrinkage of the cast iron during the cooling operation."

He also states in the following paragraph as a further object the provision of a method involving raising the temperature of the steel drum before casting "to insure a better bond."

On page 5 of the original specification, after mentioning the temperature of the iron, he states:

"If the steel shell is raised to approximately the temperature specified above (1200° to 1500° F.) before casting, the iron and steel will be *burned together* sufficiently to form an effective joint." [Italics not quoted.]

The Board held that the word "burned", employed in appellee's application, is the equivalent of "fusion" or a "fused bond" connection, and quoted definitions in support thereof.

After a careful examination of those definitions, we deem it unnecessary to quote them here.

We are of opinion that appellee's disclosure was sufficient to warrant the tribunals of the Patent Office in holding that he disclosed the invention set forth in the involved counts; that his specification was sufficient to warrant making the claims constituting the counts in issue; and that, in view of the fact that no claim was made by appellant that he was entitled to priority if appellee could make the counts here involved, the Board of Appeals reached the right conclusion.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

LENROOT, *J.*, concurs in conclusion.

U. S. Court of Customs and Patent Appeals

IN RE GOGGINS

No. 3,694. Decided December 7, 1936

[86 F.(2d) 419]

PATENTABILITY—DELIVERY SYSTEM—AGGREGATION.

Claims for a system for use in the delivery of commodities *Held* properly rejected on the ground of aggregation.

APPEAL from the Patent Office. Affirmed.

Mr. John H. Ruckman for Goggins.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.:*

This appeal is from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting claims 2 to 12, inclusive, 15, 16, 18, 19, 27, and 28 of appellant's application. No claims were allowed. The Examiner rejected the claims on the ground of aggregation. While the Board of Appeals did not disapprove this ground of rejection, it specifically found that each of said claims lacked invention.

Claims 3, 5, 6, 9, and 16 are illustrative and read as follows:

3. In a system for use in connection with the delivery of commodities for cash and charge transactions, the combination of a commodity receptacle for receiving commodity articles attached at the outside of the place of a customer and opening into the inside thereof, means for preventing access of unauthorized persons into said receptacle, and a holder for tokens within said receptacle.

5. In a system for use in connection with the delivery of commodities for cash and charge transactions, the combination of a commodity receptacle for receiving commodity articles located at the place of a customer and opening into the inside thereof, means for preventing access of unauthorized persons into said receptacle, a holder for tokens within said receptacle, and means operable from the inside of said place for releasing tokens from said holder.

6. In a system for use in connection with the delivery of commodities for cash and charge transactions, the combination of a commodity receptacle for receiving commodity articles located at the place of a customer and opening into the inside thereof, means for preventing access of unauthorized persons into said receptacle, an indicator for showing the desired quantity of commodities, a holder for tokens within said receptacle, and means operable from the inside of said place whereby tokens corresponding to the setting of the indicator may be released from said holder.

9. In a system for use in connection with the delivery of commodities for cash and charge transactions, the combination of a commodity receptacle for receiving commodity articles located at the place of a customer and opening into the inside thereof, means for preventing access of unauthorized persons into said receptacle, a holder for tokens within said receptacle, and means within said receptacle for recording the amount of commodities delivered.

16. In a system for use in connection with the delivery of commodities for cash and charge transactions, the combination of a commodity receptacle for receiving commodity articles located at the place of a customer and opening into the inside thereof, means for preventing access of unauthorized persons into said receptacle, an indicator inside said place, means for setting said indicator to show the desired quantity of commodities, an outside indicator, connections between said indicators whereby the setting of the inside indicator will correspondingly set the outside indicator, a holder for tokens within said receptacle, and means whereby tokens corresponding to the setting of the indicators may be released from said holder.

The references cited are: Pink, 499,309, June 13, 1893; von Barth, 1,114,828, October 27, 1914; Cairns et al., 1,431,215, October 10, 1922.

The alleged invention relates to systems for use in connection with the delivery of commodities for cash and charge transactions, and, while intended more particularly for use in connection with the delivery of milk and cream, the system is susceptible of use in connection with the delivery of other commodities, such as butter and eggs.

The application discloses a box fastened to the door of a house. The receptacle has two openings, one on the outside and the other on the inside of the door of a house. The section on the outside of the door is arranged to receive the commodities purchased and has a door and a lock. The section on the inside of the door contains a token or coin delivery apparatus. The specification also states that a recording device may be placed in said receptacle, and the details of construction of such a device are shown. Placed above the door, or at any suitable location upon the wall of the house where it is visible to the delivery man, is an indicator carrying words such as "milk," "cream," etc., with provision for carrying numerals opposite such words to indicate the quantity of the commodity desired. These indicators are operated by electromagnetically controlled mechanism; this mechanism is operated from the inside of the house. The indicators and their operating mechanism are not connected with the commodity receptacle above described in any way.

The patent to Pink relates to a cash recorder and check printer.

The patent to von Barth discloses a device for delivering coins, housed in a casing, the control for the coin delivery being through electric circuits. The device is denominated in the patent as a "Wage-Paying Machine or the Like."

The patent to Cairns et al. relates to a coin delivery machine housed in a casing.

All of the claims are combination claims, and while the features of the mechanism employed are described in great detail in appellant's specification,

we are not here concerned with the patentability of any of the elements of the claims apart from the combination. *In re Germantown Trust Co., etc.*, 19 C. C. P. A. (Patents) 1140, 57 F.(2d) 365, 421 O. G. 857.

As hereinbefore observed, the Examiner held that all of the claims before us were for mere aggregations of old elements, each performing its own original function, and that there was no cooperation between them; and the Board, while not disapproving this holding of the Examiner, specifically found that the claims lacked invention.

Appellant has filed a very lengthy brief, and has cited and discussed many cases relative to the distinction between claims which are for mere aggregations of old elements, which are not patentable, and true combination claims which are patentable.

This court has had occasion in a number of cases to consider when the elements of claims constitute mere aggregations, one of the most recent being the case of *In re Hueber et al.*, 21 C. C. P. A. (Patents) 1112, 70 F.(2d) 906, 447 O. G. 496. In that case we said:

> The distinction between a patentable combination and an aggregation has been the subject of much discussion by the courts, and is oftentimes a troublesome question. However, we think the cases have made quite plain what the decision should be here. The first case to which reference is made is *Reckendorfer v. Faber*, 92 U. S. 347. This is the famous lead pencil case, involving alleged combination of a lead pencil having a rubber upon one end thereof. This device was held by the court to be not a patentable combination, upon principles which have often been cited by the courts. Hunt, Justice, in speaking for the court, said, among other things:
>
> * * * but the results must be the product of the combination, not a mere aggregate of several results, each the complete product of one of the combined elements. * * * Does it embody any new device, or any combination of devices producing a new result? * * * The combination, to be patentable, must produce a different force or effect, or result in the combined forces or processes, from that given by their separate parts. * * * The result comes from the combined effect of the several parts, not simply from the separate action of each, and is, therefore, patentable.
>
> In *Grinnell Washing Machine Co. v. Johnson Co.*, 247 U. S. 426, an alleged combination of a washing machine and wringer operated by one motor and with gearing, was held by the Supreme Court to be not a combination, but an aggregation. Again, stating the doctrine which it had followed since *Hailes v. Van Wormer*, 20 Wall. 353, 368:
>
> * * * Generally speaking, a combination of old elements in order to be patentable must produce by their joint action a novel and useful result, or an old result in a more advantageous way. * * * To borrow an illustration made at the argument, we think the Phillips aggregation of elements may be likened to the operation of a number of different machines in a factory by power applied from the same line shaft, each operation contributing its separate part to the production of a given result. * * *

See also *In re Appleburg et al.*, 17 C. C. P. A. (Patents) 820, 37 F.(2d) 620, 394 O. G. 7, and *In re Germantown Trust Co., etc.*, supra.

Applying the rule as above set forth, we find no error in the decision of the Board of Appeals affirming the rejection by the Examiner of the claims before us.

To demonstrate that the claims before us are for mere aggregations, we will analyze the claims which have been hereinbefore set forth as illustrative.

Claim 3 calls for a receptacle with a door on the outside portion, with a lock, an opening on the inside portion, and a holder for tokens within the receptacle. It is plain that there is no joint action or cooperation between these elements, and it is too clear for argument that the claim lacks invention. It merely calls for a box fastened to a door, with openings in front and behind, the front opening having a door and lock, and a cup or other holder within the receptacle.

Claim 5 has the additional element of means operable from inside the house for releasing tokens from the holder. This involves nothing more than placing a device such as disclosed by von Barth in the house, terminating in the receptacle. Here again there is no joint action or cooperation between said releasing device and the receptacle. It would serve the same useful purpose if it was placed outside the receptacle, although it might require another door and lock for the holder, but surely merely placing a well known device inside the receptacle would not involve invention.

Claim 6 has the element, additional over claim 5, of an indicator for showing the desired quantity of commodities. The claim does not require that the indicator shall be within the receptacle, and appellant's specification shows that it is not so placed. There is no connection whatever between said indicator and the other elements named in the claim, and it is obvious that there could be no coaction between them.

It is a matter of common knowledge that in many communities, when ice is desired by a household, a card containing that word is placed in the window, and so far as claim 6 is concerned, the indicator there called for might be so placed.

Claim 9 has the element of a recording device placed within the receptacle. It is plain that there is no joint action between this element and the other elements of the claim. Moreover it would not be argued that it would be inventive to place in the receptacle a pad of paper and pencil to enable the deliveryman to record the quantity of the commodity delivered, and neither would it be inventive to place in the receptacle a recording device such as is disclosed by the patent to Pink.

Claim 16 has the added feature of two indicators, one inside the house and the other outside, with connections between the two. Neither of these indicators is required to be within the receptacle, and neither is so placed in appellant's specification. These are separate elements operating separately and apart from the receptacle and the coin or token device, and there is no joint action between them.

As hereinbefore observed, whether or not the indicator device disclosed by appellant may in itself be patentable is not a matter before us for consideration here.

In the case of *In re Appleburg et al.*, supra, we said:

> It is a well-settled principle of patent law that a combination of old devices which produces no other result than the sum of the results produced by each of the devices is not patentable. Where a given number of elements, which produce a known result when functioning separately, is assembled and the assembly produces only a combination of the results found in the individual units, no invention is shown and amounts to an aggregation. * * *

In many of the claims before us the elements, according to appellant's specification, are not even assembled, but are merely stated, and in all of the claims the results produced by the combination of the different elements are merely the sum of the results produced by each of the elements when functioning separately.

For the reasons stated herein, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,203,190. (See 1,466,701.)

1,210,762, M. B. Church, Automobile for collecting and distributing; Re. 17,610 (of 1,619,775), E. R. Whitney, Delivery truck, D. C., W. D. N. Y., Doc. 1748, *Continental-Divco Co. v. International Harvester Co. of America.* Dismissed for lack of prosecution Mar. 9, 1937.

1,296,588, 1,296,590, J. H. Bamberg, Metal mold; 1,296,589, same, Casting and process of making same; 1,296,591, same, Piston casting; 1,296,594, A. B. Norton, Mold; 1,296,595, same, Process of making castings; 1,679,870, Norton & Guyot, Method of and mold for making castings, D. C., N. D. Calif. (San Francisco), Doc. E 2694–K, *Aluminum Co. of America v. United Engine & Machine Co.* Patent 1,296,594 held valid and infringed as to claims 26, 27, 33 and 34, injunction Mar. 1, 1937.

1,296,589. (See 1,296,588.) 1,296,590. (See 1,296,588.)

1,296,591. (See 1,296,588.) 1,296,594. (See 1,296,588.)

1,296,595. (See 1,296,588.)

1,353,743, G. W. Graves, Stove; 1,475,587, J. E. Leonard, Kitchenette stove and cabinet; Des. 82,007, J. Teller, Cabinet gas range; 1,817,856, same, Cabinet gas stove and range; 1,825,373, same, Safety device for gas stoves and ranges; 1,836,782, same, Stove structure; 1,820,849, Teller & Schulz, Gas or electric cooking range; Des. 85,354, same, Gas or electric cabinet cook stove or range; Des. 85,962, same, Cabinet cooking range; 1,840,751, same, Gas stove and range; 1,931,334, same, Safety appliance for gas or electric ranges; 1,935,567, H. H. Heidbreder, Range, D. C., E. D. Pa., Doc. 8573, *Teller Stove Designing Corp. v. Roberts & Mander Stove Co.* Discontinued Mar. 11, 1937.

1,389,067, M. D. Nielson, Undergarment for women; Re. 17,903 (of 1,680,267), same, Process of making garments for women and children, filed Feb. 4, 1937, D. C., E. D. Pa., Doc. 9659, *Winget Kickernick Co. et al. v. Laskin Bros., Inc.*

1,413,989, F. E. McCabe, Bung bushing; 1,513,516, McCabe & Roshetko, Bung and bung bushing; 1,529,929, M. Schwartz, Bushing structure; 1,633,555, F. R. Burgess, Container and sealing means therefor; 1,789,928, L. B. Wackman, Bushing structure; 1,718,610, J. Strama, Process of forming rims; 1,951,491, F. W. Sample, Tool for applying seal caps; 1,887,435, same, Method of closing and sealing an opening in a metal container; 1,901,196, J. W. Shera, Closure device, filed Feb. 24, 1937, D. C., E. D. Pa., Doc. 9669, *American Flange & Mfg. Co., Inc., v. Melrath Supply & Gasket Co., Inc.*

1,452,197, 1,465,629, 1,465,632, 1,465,633, 1,618,650, R. B. Gilchrist, Drink mixer, filed Mar. 11, 1937, D. C., E. D. Wis. (Milwaukee), Doc. 5062, *Scovill Mfg. Co. v. I. Shapiro, Inc.*

1,465,629. (See 1,452,197.) 1,465,632. (See 1,452,197.)

1,465,633. (See 1,452,197.)

1,466,701, L. de Forest, Method of and means for controlling electric currents by and in accordance with light variations; 1,693,071, same, Sound recording attachment for motion picture cameras; 1,695,414, same, Talking moving picture machine; 1,473,976, E. E. Ries, Sound recording method; 1,607,480, same, Method of reproducing photographic sound records; 1,701,911, De Forest & Reynolds, Acoustic apparatus; 1,203,190, C. E. Fritts, Recording and reproduction of pulsations or variations in sound and other phenomena, D. C. Del., Doc. E 808, *General Talking Pictures Corp. v. R. C. A. Photophone, Inc.* Dismissed for want of prosecution Mar. 9, 1937.

1,473,976. (See 1,466,701.)

1,473,976, E. E. Ries, Sound recording method; 1,607,480, same, Method of reproducing photographic sound records; 1,489,314, L. de Forest, Recording sound; 1,653,155, same, Talking moving picture equipment; 1,693,071, same, Sound recording attachment for motion picture camera; 1,693,072, same, Means for shielding sound detector and amplifier apparatus; 1,695,414, same, Talking moving picture machine; 1,695,415, same, Talking motion picture records; 1,716,033, same, Method of producing talking motion picture film and apparatus used therefor; 1,764,938, same, Method of producing talking motion picture films, D. C. Del., Doc. E 809, *General Talking Pictures Corp. v. R. K. O. Radio Pictures, Inc.* Dismissed for want of prosecution Mar. 9, 1937.

1,475,587. (See 1,353,743.) 1,489,314. (See 1,473,976.)

1,513,516. (See 1,413,989.) 1,529,929. (See 1,413,989.)

1,564,378, H. Stein et al., Bleached and dyed furs; 1,573,200, same, Process of bleaching and dyeing furs, D. C., S. D. N. Y., Doc. E 77/114, *Steinfur Patents Corp. v. B. Schneiderman.* Dismissed for lack of prosecution (notice April 6, 1937).

1,573,200. (See 1,564,378.)

1,607,480. (See 1,466,701 and 1,473,976.)

1,618,650. (See 1,452,197.) 1,619,775. (See 1,210,762.)

1,633,555. (See 1,413,989.)

1,643,885, C. D. Gill, Means for loading and hauling automobiles; 1,812,097, Re. 19,094, 1,925,536, I. H. Judd, Means for transporting vehicles; 1,842,985, same, Skid assembly; 1,925,535, same, Vehicle transport; 1,925,665, same, Transport; 1,975,850, same, Truck-trailer combination, D. C., E. D. Mich. (Detroit), Doc. 6702, *Whitehead & Kales Co. v. Mechanical Handling Systems, Inc.* Consent decree for plaintiff Mar. 8, 1937.

1,653,155. (See 1,473,976.) 1,670,230. (See 1,814,951.)

1,679,266, B. C. Place, Fastener; 1,904,077, 1,722,944, same, Securing trim panels, D. C., E. D. Mich. (Detroit), Doc. 6062, *G. E. Cagnier et al. v. United-Carr Fastener Corp.* Consent decree for plaintiff Mar. 8, 1937.

1,679,870. (See 1,296,588.) 1,680,267. (See 1,389,067.)

1,693,071. (See 1,466,701 and 1,473,976.)

1,693,072. (See 1,473,976.)

1,695,414. (See 1,466,701 and 1,473,976.)

1,695,415. (See 1,473,976.) 1,701,911. (See 1,466,701.)

1,716,033. (See 1,473,976.) 1,718,610. (See 1,413,989.)

1,722,944. (See 1,679,266.)

1,722,944, 1,904,077, B. C. Place, Securing trim panels, D. C., E. D. Mich. (Detroit), Doc. 6955, *G. E. Gagnier et al. v. Woodall Industries, Inc., et al.* Consent decree for plaintiff Mar. 8, 1937.

1,764,938. (See 1,473,976.) 1,789,928. (See 1,413,989.)

1,812,097. (See 1,643,885.)

1,814,951, J. H. Muller, Attachment for doughnut blank cutting machines; Re. 19,557 (of 1,670,230), J. Baumann, Attachment for doughnut cutting and cooking machine, filed Dec. 29, 1936, D. C., E. D. Pa., Doc. 9627, *J. Baumann v. I. Pessin* (Original Icy Donut Shop).

1,817,856. (See 1,353,743.) 1,820,849. (See 1,353,743.)

1,825,373. (See 1,353,743.) 1,836,782. (See 1,353,743.)

1,840,751. (See 1,353,743.) 1,842,985. (See 1,643,885.)

1,851,567. (See Re. 19,083.)

1,878,293, 1,922,453, M. Popper, Pinking attachment for sewing machines; 1,909,346, 1,891,308, H. F. Gruman, Combined seaming and pinking machine, D. C., E. D. Pa., Doc. 8627, *Lewis Invisible Stitch Machine Co. v. Biberman Bros., Inc.* Discontinued Mar. 16, 1937.

1,887,435. (See 1,413,989.) 1,891,308. (See 1,878,293.)

1,901,196. (See 1,413,989.)

1,904,077. (See 1,679,266 and 1,722,944.)

1,909,346. (See 1,878,293.)

1,917,261, P. E. Hawkinson, Method of retreading tire casings; 1,917,262, same, Apparatus for retreading tire casings; 2,034,618, same, Tire retreading apparatus, filed April 9, 1937, D. C., M. D. Pa. (Scranton), Doc. 1269, *P. E. Hawkinson Co. et al.* v. *J. Williams (Williams Bros.)*.

1,917,262. (See 1,917,261.)

1,922,453. (See 1,917,261 and 1,878,293.)

1,925,535. (See 1,643,885.) 1,925,536. (See 1,643,885.)

1,925,665. (See 1,643,885.) 1,931,334. (See 1,353,743.)

1,933,703, Brus & Strang, Device for cooling condenser water; 1,933,771, 1,969,863, Strang & Brus, Air conditioning device, filed Mar. 11, 1937, D. C., W. D. Mo. (Kansas City), Doc. 2899, *Air Conditioning Equipment, Inc.*, v. *N. B. Baraban (Copeland Refrigerator Co.)*.

1,933,771. (See 1,933,703.) 1,935,567. (See 1,353,743.)

1,937,778, North & Lindstrom, Latch; 2,010,907, Winters & De Voe, Refrigerator latch, D. C., W. D. Mich., S. Div., Doc. E 2761, *National Lock Co.* v. *Winters & Crampton Corp.* Claims 1, 2, 3, 6, 7 and 8 of 1,937,778 and claim 1 of 2,010,907 dismissed Mar. 27, 1937.

1,951,491. (See 1,413,989.) 1,969,863. (See 1,933,703.)

1,975,850. (See 1,643,885.) 2,010,907. (See 1,937,778.)

2,034,618. (See 1,917,261.) Re. 17,610. (See 1,210,762.)

Re. 17,903. (See 1,389,067.)

Re. 19,083, (of 1,851,567), C. H. Davis, Jr., Circuit breaker lever, C. C. A., 2d Cir., Doc. 15,165, *General Motors Corp.* v. *Preferred Electric & Wire Corp.* Decree affirmed (notice Mar. 15, 1937).

Re. 19,094. (See 1,643,885.) Re. 19,557. (See 1,814,951.)

Des. 82,007. (See 1,353,743.)

Des. 85,354. (See 1,353,743.)

Des. 85,962. (See 1,353,743.)

Des. 86,113, Des. 86,114, F. P. Dwyer, Athletic trousers, D. C., E. D. Pa., Doc. 7723, *J. L. Greenbaum et al.* v. *S. Coane.* Discontinued Jan. 23, 1937.

Des. 86,114. (See Des. 86,113.)

Disclaimers

1,981,376.—*James A. Spencer,* Teaneck, N. J. RECORD STRIP FEEDING MEANS. Patent dated November 20, 1934. Disclaimer filed April 24, 1937, by the assignee, *Trans-Lux Movie Ticker Corporation.*

Hereby enters the following disclaimer as to claims 2, 4, 6, 7, 9 and 11 of said Letters Patent.

The invention set forth in claims 2, 4, 6, and 7, except when in the recited combination the means for feeding the record strip operate to feed it into the field of vision of an adjacent projecting apparatus and when the predetermined extent of the feed specified in the claims shall be of such predetermined extent at least as is necessary to bring the character last printed upon the record strip into the said field of vision;

The invention as set forth in claim 9, except when in the recited combination the shiftable member is rotatable and is shiftable into and out of rotative relation with the feeding means; and

The invention as set forth in claim 11, except when in the recited combination the member which is driven by the feeding means is a rotatable member and the element connectable to said member is a rotative element.

1,988,032.—*Paul Baumann* and *Hanns Bueckert,* Ludwigshafen-on-the-Rhine, *Wilhelm Sandhass,* Mannheim, and *Heinrich Schilling,* Ludwigshafen-on-the-Rhine, Germany. PURIFICATION OF ACETYLENE. Patent dated January 15, 1935. Disclaimer filed April 19, 1937, by the assignee, *I. G. Farbenindustrie Aktiengesellschaft.*

Hereby enter this disclaimer to claims 4 and 5 and to that part of claims 1 to 3, inclusive, and 7 and 8 in said specification, which is in the following words, to wit: "Hydrocarbon liquids," claim 1, line 5; claim 2, line 5; claim 3, line 5; claim 7, line 5; claim 8, line 5.

2,005,512.—*Alfred O. Vinz,* Beaver Dam, Wis. OIL TREATMENT OF COAL. Patent dated June 18, 1935. Disclaimer filed April 26, 1937, by the patentee.

Hereby enters this disclaimer to claims 4 and 7 of said Letters Patent.

2,031,491.—*John T. Lancaster,* Newton, Mass. SOLE ATTACHING APPARATUS. Patent dated February 18, 1936. Disclaimer filed April 24, 1937, by the assignee, *United Shoe Machinery Corporation.*

Hereby enters this disclaimer to claims 1 and 16 of said Letters Patent.

2,035,695.—*Harmon P. Elliott,* Watertown, Mass. ADDRESSING AND LISTING MACHINE. Patent dated March 31, 1936. Disclaimer filed May 4, 1937, by the patentee.

Hereby enters this disclaimer to claims 10, 11, 19, 20, 21, 22, 23, 24, 25, 26, 27, 30, 31, and 32 of said specification.

Also hereby disclaims the subject matter of claims 1 through 9 of said patent insofar as these claims relate to printing from raised type characters but not otherwise.

Re. 19,638.—*George Langford,* Joliet, Ill. RAIL JOINT AND BAR THEREFOR. Patent dated July 9, 1935. Disclaimer filed May 5, 1937, by the assignee, *McKenna Process Company of Illinois;* the patentee concurring.

Hereby enters this disclaimer to each of claims 1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, and 14 of said Letters Patent.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING APRIL, 1937

WHITE ROCK MINERAL SPRINGS COMPANY *v.* ADOLPH NEURAD (EQUITABLE TRADING CORPORATION, ASSIGNOR, SUBSTITUTED), Opposition No. 14,773.

In a decision rendered April 3, 1937 (159 Ms. Dec. 872), *Assistant Commissioner Frazer* held that Equitable Trading Corporation, as the assignee of Adolph Neurad, of New York, N. Y., is not entitled to register the notation "White Rock" as a trade-mark for alcoholic liquors including whisky, etc., in view of the prior adoption and use by White Rock Mineral Springs Company, of Waukesa, Wis., of that notation as a trade-mark for mineral water, ginger ale, and other carbonated beverages.

The ground of the decision is that the goods are of the same descriptive properties and that confusion would be likely to arise in the concurrent use of the mark on these goods.

In his decision, after noting that the Examiner of Interferences had held that the goods of the respective parties are of different descriptive properties but that applicant was not entitled to register because the words of the mark are essentially opposer's corporate name, the Assistant Commissioner said:

"The words 'White Rock', however, are only a part of opposer's name; and while, conceivably, they may be relied on by purchasers to identify opposer, I can find nothing in the record to establish that they actually are so relied upon. Both are common dictionary words, and their use in combination is not infrequent. There are, for example, at least three towns in the United States named 'White Rock', as pointed out in applicant's brief.

"It was observed by the Supreme Court in *American Steel Foundries* v. *Robertson,* 269 U. S. 372, that: 'There may be, of course, instances where a single word in the corporate name has become so identified with the particular corporation that whenever used it designates to the mind of the public that particular corporation.' But it would seem clear that the burden rests upon the complaining corporation to prove the existence of such a situation, and that in the absence of proof an affirmative finding in that regard is unwarranted."

He then, after noting that the Examiner of Interferences was of the opinion that the goods were of different descriptive properties, and referring to the decision in *California Packing Corporation* v. *Silver Swan Liquor Corporation,* 159 Ms. D. 858, 32 U. S. P. Q. 581, holding that whisky and ginger ale are goods of the same descriptive properties, said:

"It is a matter of common knowledge that both ginger ale and carbonated water are extensively used with whisky, and that all are sold in similar containers, by the same dealers, to the same class of purchasers. That their sale under identical trade-marks would lead to confusion seems at least reasonably probable, and any doubt in that connection must be resolved in favor of the opposer."

With reference to the argument that applicant owned a registration under the act of 1881, of the mark here in question, and noting that that registration had expired before the present application was filed, he said:

"I am unable to see how that circumstance can have any material bearing on applicant's rights in the present proceeding. The validity of opposer's registered marks is not open to question, and when applicant filed they stood as a bar to the registration which he seeks."

AKTIENGESELLSCHAFT FÜR FEINMECHANIK VORMALS JETTER & SCHEERER *v.* KNY-SCHEERER CORPORATION, Opposition No. 14,970.

In a decision rendered April 8, 1937 (159 Ms. Dec. 874), *Assistant Commissioner Frazer* held that this opposition was properly dismissed on the ground that the question sought to be raised was res adjudicata in view of two decisions of the United States Court of Customs and Patent Appeals in proceedings involving the parties hereto (22 C. C. P. A. 979, 75 Fed.(2d) 638; 23 C. C. P. A., 778, 80 Fed.(2d) 266).

In his decision, after noting that although the Examiner of Interferences had based his decision solely upon his finding of estoppel, the parties had devoted their arguments to the rather complex state of facts, the Assistant Commissioner said:

"I have examined the record and can find nothing to distinguish the rights here involved from those previously adjudicated. In fact the only substantial difference pointed out by opposer between the evidence here presented and that reviewed by the court in the cancellation proceeding is that certain exhibits have been added which it is urged would have altered the court's decision had they been available for consideration. I agree with the Examiner of Interferences, however, that there is no sufficient showing 'that the proofs herein relied upon by the opposer could not have been produced' in the proceeding referred to."

He then referred to Opposition No. 11,704, a proceeding between the same parties in which a pictorial mark was involved, of which the mark here involved is the verbal equivalent, and noted that an abortive appeal had been taken from that decision which the Court of Customs and Patent Appeals refused to entertain, and said:

"The Commissioner's decision having thus become final, I think it precludes the assertion of all claims inconsistent therewith, quite independently of the cases relied on by the Examiner of Interferences. To hold that applicant owns the design mark and that opposer owns its 'verbal equivalent' for the same goods would be anomalous to say the least."

L. N. RENAULT & SONS, INC., *v.* RENAULT SAINT-LOUVENT & Co., Opposition No. 13,622.

In a decision rendered April 14, 1937 (159 Ms. Dec. 876), *Assistant Commissioner Frazer* affirmed an action of the Examiner of Trade-Mark Interferences denying a motion by the applicant to take testimony in France.

In his decision, after noting that the primary reason for the denial of the motion was the delay in bringing it, the Assistant Commissioner said:

"While the delay was long, the contributing difficulties were great, and if delay were the only matter involved I should be inclined to accept as sufficient the showing submitted in excuse. I am convinced, however, that the

testimony proposed to be taken would be of no avail, and for that reason I am unwilling to disturb the Examiner's ruling."

He then noted that applicant's registration was sought under the ten year proviso of the Trade-Mark Act of 1905, and said:

"As the record now stands it conclusively appears that appellant did not have exclusive use of the mark during that period, and there is nothing in the testimony proposed to be given by appellant's French witnesses that would tend to contradict the record in that regard. In this situation I think the motion was properly denied. It would be idle indeed to permit the taking of testimony abroad which could have no bearing on the ultimate rights of the parties."

He then noted that the Examiner of Interferences neither sustained nor dismissed the opposition but "adjudged appellant not entitled to the registration of its mark 'regardless of the question of the right of the opposer to here intervene,'" and said:

"This I think was error. Either on motion or after final hearing, opposer's rights should have been adjudicated; and at the present stage of the proceeding the Examiner's ruling with respect to the registrability of appellant's mark was premature. *Wm. A. Coombs Milling Co.* v. *The Dewey Bros. Co.*, 171 O. G. 743, 1911 C. D. 129.

"For the reasons stated the decision appealed from is affirmed in so far as it denies appellant's motion to take testimony in France, but otherwise vacated, and the cause is remanded to the Examiner of Trade-Mark Interferences for disposition on the merits."

MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY *v.* BRADSTONE RUBBER COMPANY, Opposition No. 15,200.

In a decision rendered April 16, 1937 (159 Ms. Dec. 878), *Assistant Commissioner Frazer* held that where an applicant had abandoned his registration it was improper to formally institute an opposition proceeding.

In his decision he said that the decision in *James G. Gill Company, Inc.*, v. *Standard Brands Incorporated*, 159 Ms. Dec. 243, was not applicable and further said:

"There the applicant had attempted to withdraw its application after the opposition had been instituted, and for reasons fully stated by the Commissioner in his decision it was held that such withdrawal should not be permitted without the consent of the opposer. The situation presented in the instant case is entirely different. Applicant abandoned its application before any notice of opposition had been filed, so that when the notice was received in the Patent Office there was no longer a pending application to be opposed. The opposer should have been so advised, and the notice of opposition should have been returned unfiled.

"It is my opinion that the proceeding was void from its inception, and that the Examiner of Interferences was therefore without jurisdiction to render the decision here complained of."

BISHOP *v.* SCHEWE, Trade-Mark Interference No. 2680.

In a decision rendered April 20, 1937 (159 Ms. Dec. 879), *Assistant Commissioner Frazer* held that priority of adoption and use of the trade-mark involved in Interference No. 2680 was properly awarded to Henry G. Schewe, of Milwaukee, Wis.

In his decision after noting that Schewe had taken no testimony but relied upon a certificate of registration and that Bishop himself did not testify, but several witnesses testified as to the acts of the predecessor in interest of Schewe, namely, The Sedafen Products Company, and noting that that company had been placed in receivership and its assets been offered for sale and purchased by Charles Edwin Bishop, of Cincinnati, Ohio, the Assistant Commissioner said:

"If since that date [of sale] Bishop has resumed the business of his assignor I can find in the record nothing more than this bill of sale to so indicate, and I do not think anyone would seriously argue that his acquisition of the items listed constitutes proof that he has. In fact the very absence of evidence on this important issue is rather convincing to the contrary. As junior party Bishop had the burden of proof, and he has failed to sustain that burden. It is not sufficient that the defunct corporation from which he derived title had used the mark. To be entitled to its registration he himself must have used it, and such use must have been active when his application was filed. *Lem Motlow* v. *Oldtyme Distillers, Inc.* (C. C. P. A.), 33 U. S. P. Q. 139, — F.(2d) —."

MACDONALD, GREENLEES LIMITED *v.* JACOB ENGLANDER, Opposition No. 14,233.

In a decision rendered April 21, 1937 (159 Ms. Dec. 881), *Assistant Commissioner Frazer* held that Jacob Englander, of Newark, N. J., is not entitled to register, as a trade-mark for whisky, rum, gin, brandy and alcoholic cordials, a mark consisting of the notation "Old Pal", displayed above a picture of two men holding partially filled glasses, in view of the prior adoption and use by MacDonald, Greenlees Limited, of Leith, Scotland, England, of a mark consisting of the notation "Old Parr".

In his decision the Assistant Commissioner said:

"When placed side by side with applicant's mark this registered mark is easily distinguishable therefrom, but in practice this is not done. The goods are necessarily known and called for as 'Old Parr' and 'Old Pal', respectively. These terms are so nearly alike in both sound and appearance that their concurrent use, with this particular class of merchandise, would, in my opinion, inevitably lead to confusion."

WALDORF-ASTORIA IMPORTATION CORPORATION *v.* JOHN HENRY HARRIS, Trade-Mark Interference No. 2420.

In a decision rendered April 22, 1937 (159 Ms. Dec. 882), in an interference between an application for registration by Waldorf-Astoria Importation Corporation, of New York, N. Y., and John Henry Harris, of Cleveland, Ohio, *Assistant Commissioner Frazer* held that the interference was properly dissolved since the Waldorf-Astoria Importation Corporation was not entitled to registration.

In his decision, after stating that it conclusively appeared from the record, and was admitted by applicant's counsel, that applicant had never used the mark, and noting the argument that applicant's capital stock was wholly owned by the Hotel Waldorf-Astoria Corporation and that that corporation has thus had control of the use of the mark and this use inures to the benefit of the present applicant, and that the temporary discontinuance of the use in obedience to the requirement of law does not disentitle the applicant to register, the Assistant Commissioner said:

"Counsels' position is manifestly untenable. The statute provides 'that the owner of a trade-mark used in commerce * * * may obtain registration for such trade-mark.' Clearly the present applicant is not the owner of this mark. It may be that the hotel corporation has equitable rights therein that would be recognized and protected in the proper forum, but that possibility has no bearing on applicant's rights in this proceeding. Moreover applicant would not be entitled to registration even if it owned the mark. The statute requires present use as a prerequisite to registration, and this requirement is not satisfied by a mere intention to use, or to resume the use of a mark after temporary suspension. *Lem Motlow* v. *Oldtyme Distillers, Inc.*, (C. C. P. A.), 33 U. S. P. Q. 139, — F.(2d) —."

STANCO INCORPORATED *v.* MCLAUGHLIN-OWEN COMPANY, Opposition No. 14,873.

In a decision rendered April 27, 1937 (159 Ms. Dec. 883), *Assistant Commissioner Frazer* held that McLaughlin-Owen Company, of Chicago, Ill., is not entitled to register a mark which is essentially the notation "Nourol", as applied to shampoo, wave set, hair tonic and rinse, in view of the prior adoption, use and registration of Stanco Incorporated, of New York, N. Y., of the mark "Nujol", as a trade-mark for a refined mineral oil primarily sold as an intestinal lubricant, since the goods are of substantially the same descriptive properties and the marks applied thereto confusingly similar.

In his decision the Assistant Commissioner, after noting that a use by the opposer of its goods for a treatment for the scalp had been merely incidental and referring to the manner in which the goods are put up and sold, and stating that these differences were of little importance in determining the question of similarity, said:

"In *Noll* v. *Krembs*, 22 C. C. P. A. 722, 73 Fed.(2d) 491, it was held by the United States Court of Customs and Patent Appeals that a medicated textile for treatment of the hair and scalp has the same descriptive properties as a 'cough balsam' used for coughs, colds, bronchitis, throat tickle, croup and hoarseness; and in *Vick Chemical Company* v. *Central City Chemical Company*, 22 C. C. P. A. 996, 75 Fed.(2d) 517, the same court ruled that insecticides are goods of the same descriptive properties as medicated salve, nose and throat drops, medicated cough drops and liver pills. I think the goods of the parties here involved are at least as nearly related as were those considered in either of the cases referred to, even though it be assumed that opposer's mineral oil is used exclusively as an intestinal lubricant."

Then, with reference to the goods, after stating that the holding that the marks are confusingly similar found support in the authorities, he said:

"For example, in *Malone* v. *Horowitz*, supra, the marks 'Poro' and 'Molo' were held to be confusingly similar, as were the marks 'Pinetex' and 'Pinex' in *Noll* v. *Krembs*, supra, and the marks 'Voo' and 'Dew' in *Marion Lambert, Inc.*, v. *O'Connor* (C. C. P. A.), 86 Fed.(2d) 980.

* * * * * * *

"'Nourol' and 'Nujol' sound very much alike when spoken, and do not differ greatly in spelling or appearance. In fact if a 'j' were substituted for the 'r' in applicant's mark the two would be substantially identical. This slight difference is not thought sufficient to insure against the likelihood of confusion."

GEORGE A. BREON AND COMPANY, INC., *v.* ABRAHAM ARONOVIC, Opposition No. 14,332.

In a decision rendered April 29, 1937 (159 Ms. Dec. 885), *Assistant Commissioner Frazer* held that Abraham Aronovic, of New York, N. Y., is not entitled to register the notation "Phenosol" as a trade-mark for soothing oil used in nasal congestion and in the sinuses, in view of the prior use by George A. Breon and Company, Inc., of Kansas City, Mo., of the term "Phenosul" as applied to compressed medicinal tablets comprising phenolphthalein, magnesium sulphate and methyl salicylate, used as a cathartic.

In his decision the Assistant Commissioner referred to the evidence that John Carle & Sons, Inc., a stranger to the proceeding, claimed ownership of the trade-mark "Phenosol" for antiseptics and disinfectants, and that it had entered into an agreement with the applicant here whereby each might use the mark "Phenosol" on its own particular goods, and stated that he did not consider the consent of John Carle & Sons, Inc., to be helpful to applicant's case, and then said:

"There have been decisions holding that where the owner of a mark consents to its registration to another, reasonable doubts with respect to the similarity of the goods involved should be resolved in favor of the applicant. However, the interests of the public may not be ignored; and when it appears that the goods are so nearly related that their sale under identical trade-marks would be likely to confuse the public or to deceive purchasers, registration must be denied notwithstanding the owner's consent."

With reference to the use by John Carle & Sons, Inc., he said:

"Regardless of the rights of the opposer, the Examiner of Interferences held that the admitted ownership of the mark, for antiseptics and disinfectants, by John Carle & Sons, Inc., precludes its registration to applicant for 'soothing oil for use in nasal congestion and in the sinuses.' The correctness of that holding depends upon whether or not these goods belong to the same class and are of the same descriptive properties. In my opinion the answer is to be found in the case of *Vick Chemical Co.* v. *Central City Chemical Co.*, 22 C. C. P. A. 996, 75 Fed.(2d) 517, where it was held by the Court of Customs and Patent Appeals that insecticides are of the same descriptive properties as medicated salve, nose and throat drops, medicated cough drops and liver pills. I think it necessarily follows that a similar ruling must be made with respect to applicant's goods and the antiseptics and disinfectants of John Carle & Sons, Inc."

He then, with reference to the holding that applicant's goods and opposer's goods are of the same descriptive properties, said:

"Both are strictly medicinal items, and the fact that applicant's oil is applied to the nose for the relief of one human ailment, while opposer's tablets are taken internally for the relief of another, is about the only difference relied on by applicant to distinguish them as to class. This slight difference in method of application is clearly insufficient to obviate the probability that confusion would result from the sale of these two medicines under trade-marks that are so nearly identical as those under consideration here."

EX PARTE ROGER & GALLET, Serial No. 372,752.

In a decision rendered April 30, 1937 (159 Ms. Dec. 888), *Assistant Commissioner Frazer* held that Roger & Gallet, of New York, N. Y., is not entitled to register, under the act of 1905, the notation "Milkshave" as a trade-mark for liquid soaps, since the notation is deemed to be descriptive of the goods.

In his decision, after noting applicant's argument that the mark at most is merely suggestive, the Assistant Commissioner said:

"The specimen labels filed with the application, purporting to 'show the trade-mark as actually used upon the goods', disclose the information that 'Milkshave' is 'a liquid soap for shaving and other toilet uses'. Manifestly the word 'shave' is descriptive of shaving soap, and I am inclined to agree with the Examiner that the word 'milk' is descriptive of a liquid soap as indicating its consistency or appearance. This being true, the fact that the two have been combined into a single compound word does not save the mark as a whole from being descriptive, nor does their arrangement in the combination. I am convinced that this mark, as applied to these particular goods, would convey none other than a descriptive significance to the average purchaser."

THE HYGIENIC PRODUCTS COMPANY *v.* UNITED PRODUCTS COMPANY, Opposition No. 15,052.

In a decision rendered April 30, 1937 (159 Ms. Dec. 890), *Assistant Commissioner Frazer* held that United Products Company, of Peoria, Ill., is not

entitled to register the mark "Flushtex" as a trade-mark for a chemical preparation for opening stopped drain pipes and removing stains from closet bowls and cleaning the closet bowls and retaining the latter in a sanitary condition, in view of the prior adoption and use by the Hygienic Products Company, of Canton, Ohio, of the term "Sani-Flush" for a cleaning powder for the same purposes as applicant's product.

In his decision, after noting that the Examiner of Interferences expressed the opinion that the word "flush" has an obvious significance with reference to the goods and that significance is neither arbitrary nor fanciful, the Assistant Commissioner said:

"Regardless of its significance, however, I think the word is the predominant feature of each mark, and the part of each that would be most likely to impress itself upon the memory. Considering the marks as a whole, I am convinced that 'Flushtex' and 'Sani-Flush', when applied to identical goods of the character here involved, may well be confused by purchasers to opposer's damage. At least the question is not free from doubt, and that doubt must be resolved against the applicant. *Sutter Packing Co. v. Piggly Wiggly Corporation,* 20 C. C. P. A. 1069, 64 Fed.(2d) 1006."

CONTINENTAL DISTILLING CORPORATION *v.* THREE G DISTILLERY CORP., Opposition No. 14,708.

In a decision rendered April 30, 1937 (159 Ms. Dec. 889), *Assistant Commissioner Frazer* held that Three G Distillery Corp., of Burbank, Calif., is not entitled to register the notation "Old Guide" as a trade-mark for whisky, in view of the adoption, use and registration by Continental Distilling Corporation, of Philadelphia, Pa., of the term "Old Guild" for whisky, gin, rum, rye, brandy and cordials.

The ground of the decision is that the goods of the respective parties are the same and the marks are confusingly similar as applied thereto.

In his decision, after noting that the applicant insists that it affirmatively appears from the testimony that the opposer was not using its mark when it applied for registration and its registration is therefore invalid, the Assistant Commissioner said:

"I agree with the Examiner of Interferences that the evidence upon which this contention is based is wholly negative in character, and is insufficient to overcome the statutory presumption of ownership afforded by section 16 of the Trade-Mark Act. I shall not undertake to analyze this evidence, however, because I do not think the question is one that may properly be raised in an opposition proceeding.

"As was pointed out by the Court of Customs and Patent Appeals in *American Fruit Growers* v. *Michigan Fruit Growers,* 17 C. C. P. A. 906, 38 Fed.(2d) 696, if the registration of an opposer's trade-mark was improperly or inadvertently granted, the statute provides an adequate remedy in that any person deeming himself injured thereby may apply for its cancellation. But as I understand the rulings of that court in such cases as *Revere Sugar Refinery* v. *Salvato,* 18 C. C. P. A. 1121, 48 Fed.(2d) 400, and *Skelly Oil Co.* v. *The Powerine Co.,* 86 Fed.(2d) 752, the validity of such a registration may not be attacked in an opposition proceeding."

THE KROGER GROCERY & BAKING COMPANY *v.* WALLA WALLA CANNING COMPANY, INC., Opposition No. 15,023.

In a decision rendered April 30, 1937 (159 Ms. Dec. 888), *Assistant Commissioner Frazer* held that Walla Walla Canning Company, Inc., of Walla Walla, Wash., is not entitled to register, as a trade-mark for canned vegetables, the notation "Country Crest" in view of the prior adoption and use by the opposer, The Kroger Grocery & Baking Company, of Cincinnati, Ohio, of the notation "Country Club" for the same goods.

In his decision the Assistant Commissioner said:

"Since this case was argued on appeal the Court of Customs and Patent Appeals has rendered a decision in the case of *Kroger Grocery & Baking Co.* v. *Blue Earth Canning Co.,* 88 Fed.(2d) 725, 33 U. S. P. Q. 137, reversing the Patent Office and holding the marks 'Country Club' and 'Country Kist', for the same goods here involved to be confusingly similar. Manifestly the instant case is controlled by that decision, and the decision of the Examiner of Trade-Mark Interferences is accordingly reversed."

TRADE-MARKS

OFFICIAL GAZETTE, MAY 25, 1937

[VOL. 478. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

Receptacles

Ser. No. 388,513. REXAIR, INC., Detroit, Mich. Filed Feb. 3, 1937.

AIRET

For Garment Receptacle of the Flexible Storage Type.
Claims use since Jan. 22, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 390,189. ARNOLD CONSTABLE & CO. INC., New York, N. Y. Filed Mar. 18, 1937.

TRIP-O-LETTE

For Pocketbooks, Handbags, Brief Cases, Portfolios, Purses, and Trunks.
Claims use since January, 1936.

Ser. No. 390,622. BOYLE LEATHER GOODS CO., INC., New York, N. Y. Filed Mar. 29, 1937.

WIDE-BAND

For Handbags, Pocketbooks, Portfolios, Trunks, Suitcases, Hat Boxes, Shoe Boxes, Pullman Cases, Wardrobe Cases, and Overnight Cases.
Claims use since Jan. 2, 1937.

Ser. No. 390,786. ABRAHAM G. GOLDBERG, doing business as International Manufacturing Company, Boston, Mass. Filed Apr. 1, 1937.

BRONCO
SADDLE BAGS

The words "Saddle Bags" are disclaimed apart from the mark.
For Luggage Carriers for Bicycles.
Claims use since Dec. 1, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 379,283. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed June 4, 1936.

RIDOSOL

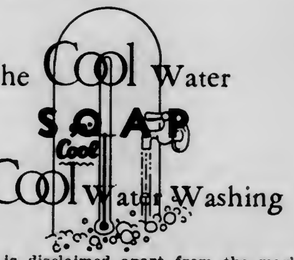
For Liquid Emulsifying Preparations Used in Industrial Alkaline Cleaning Baths, Said Product Being Primarily for Use as an Ingredient which will Enhance the Effectiveness of Such Solutions.
Claims use since May 14, 1936.

Ser. No. 384,265. NOSKRAPE LABORATORIES, INCORPORATED, Chicago, Ill. Filed Oct. 12, 1936.

DESTAINER

For Detergents for Use in Cleaning Terrazo, Terra Cotta, Porcelain, Bakelite, Glass, Vitreous Enamel, and the Like.
Claims use since Aug. 25, 1936.

Ser. No. 388,787. LOS ANGELES SOAP CO., Los Angeles, Calif. Filed Feb. 11, 1937.



All wording is disclaimed apart from the mark.
For Granulated Soap for Laundry Purposes.
Claims use since Feb. 1, 1936.

Ser. No. 390,356. THE CLEVELAND CLEANER AND PASTE COMPANY, Cleveland, Ohio. Filed Mar. 22, 1937.

Professional

The drawing is lined for blue.
For Wall Paper Cleaner.
Claims use since February, 1936.

Ser. No. 390,359. THE CUMMER PRODUCTS COMPANY, Bedford, Ohio. Filed Mar. 22, 1937.

PODENT

For Preparations for Cleaning Artificial Teeth or Dentures.
Claims use since 1932.

Ser. No. 390,463. MILLER PRODUCTS, INC., Attica, Ind. Filed Mar. 24, 1937.

Milliemaid

For Cleaning Preparation for Painted Surfaces, Rugs, Fabrics, and Linoleum.
Claims use since Mar. 1, 1937.

CLASS 5

Adhesives

Ser. No. 356,904. CLINTON J. HERRON, doing business as The "Holds-Um" Co., Royal Oak, Mich. Filed Oct. 9, 1934.

"HOLDS-UM"

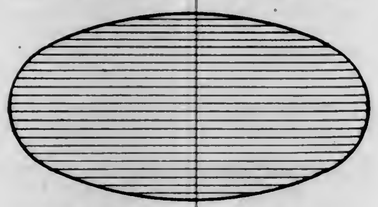


The words "Holds-Um" are disclaimed apart from the mark.
For Adhesive Cement.
Claims use since January, 1932.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 366,441. THE SCHOLL MFG. CO. INC., New York, N. Y., and Chicago, Ill. Filed June 20, 1935.



The drawing is lined for the color blue.
Fort Foot Lotion, Corn Salve, Foot Balm, Callous Salve, Antiseptic Foot Salve, Medicated Bunion Pads, Medicated Corn Plasters, Medicated Corn Treatment, Foot Powder, Foot Bath Tablets, Shoe Deodorizer, Fungicide and Sterilizer, Foot Deodorizer, Liniment, Chilblain Lotion, Bunion Lotion, Bath Salts, Preparation for Treatment of Ingrowing Toe Nails, Medicated Corn Pads, Adhesive Bandages and Plasters.
Claims use since 1912.

Ser. No. 375,738. W. I. B. Co., Chicago, Ill. Filed Mar. 7, 1936.

PICKLETT

For Preparation for Treating Woods to Lighten the Color, Harden Soft Woods, and Make Wood Resistant to Decay, Fungus Growths, and Insect Attacks.
Claims use since Nov. 30, 1935.

Ser. No. 376,058. CHARLES MENARD, doing business as National Pest-Patrol Products, San Francisco, Calif. Filed Mar. 16, 1936.

NATIONAL PEST PATROL

For Insecticides and Rodent Exterminator.
Claims use since Feb. 23, 1935.

Ser. No. 378,209. THE KURLASH COMPANY, INC., Rochester, N. Y. Filed May 8, 1936.

MASQUIK

For Eyelash Mascara and Eyelash Mascara Refills.
Claims use since May 2, 1936.

Ser. No. 387,924. REDSKIN PRODUCTS COMPANY, INCORPORATED, Baltimore, Md. Filed Jan. 18, 1937.

REDSKIN



For Effective and Soothing Lotion for Relief in Poison Ivy or Poison Oak Infection.
Claims use since Mar. 6, 1934.

Ser. No. 388,097. KRAUT & DOHNAL, Chicago, Ill. Filed Jan. 23, 1937.

Helen REED

For Beauty Products, Including Face Creams, Hand Lotions, Astringent Lotion, Muscle Oil, Brilliantine, Permanent Wave Oil, Oil Shampoos, Face Powder, Rouge, Lipstick, Eye Shadow, Mascara, Lemon Rinse, Tonic Wave Lotion, Permanent Wave Solutions.
Claims use since Dec. 1, 1936.

Ser. No. 388,447. HOLMES-WEAVER COMPANY, Holland, Mich. Filed Feb. 2, 1937.

"SYNOZONE"

For Antiseptic for the Treatment and Relief of Nasal Catarrh, Headcolds, and Congestions of the Nasal Membranes and Sinuses.
Claims use since Jan. 18, 1937.

Ser. No. 388,482. GEORGE LEROY MCDONALD, doing business as O-Poi-Zo Laboratory, Paragould, Ark. Filed Feb. 1, 1937.

O-POI-ZO

For an Ointment for the Treatment of Itching, Irritation, and Soreness of Simple Burns, Chapped Hands, Hives, Heat, Poison Oak Poisoning, Poison Ivy Poisoning, and Boils, and Itching and Irritation Accompanying Eczema, Athlete's Foot, and Other Minor Irritations of the Skin, and Bites of Non-Poisonous Insects.
Claims use since Apr. 24, 1935.

Ser. No. 388,693. VADSCO SALES CORPORATION, Long Island City, N. Y. Filed Feb. 9, 1937.

NURISS

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotion, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Jan. 22, 1937.

Ser. No. 389,225. ANTI-BI-SAN LIMITED, London, England. Filed Feb. 23, 1937.

ANTI-BI-SAN

For Medicines in Tablet Form for Human Use as Preventatives of Influenza.
Claims use since Jan. 8, 1935.

Ser. No. 389,233. JULIUS COHEN, doing business as Ringzene Company, New York, N. Y. Filed Feb. 23, 1937.

RINGZENE

For Medicated Skin Ointments to Be Used in the Treatment of Eczema, Athlete's Foot, Ringworm, and Other Itching Conditions of the Skin.
Claims use since Sept. 7, 1936.

Ser. No. 389,279. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Feb. 23, 1937.

ILEOSOL

For Enteric Coating for Medicinal Substances and Preparations.
Claims use since Jan. 22, 1937.

Ser. No. 389,297. ALFRED G. ALLEN, Denver, Colo. Filed Feb. 24, 1937.

MED-I-PAX

For Medicated Vaginal Suppositories.
Claims use since Dec. 12, 1936.

Ser. No. 389,359. JAMES H. HOLT, doing business as Preacher's Liniment Company, Blytheville, Ark. Filed Feb. 25, 1937.

PREACHER'S **LINIMENT**



REV. J. H. HOLT

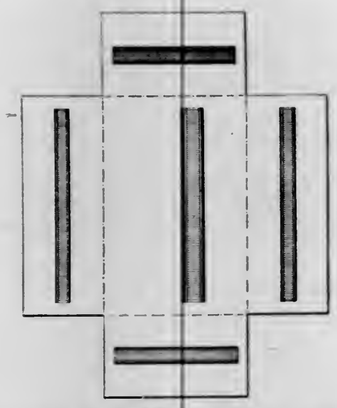
The portrait is that of Rev. J. H. Holt. The word "Liniment" is disclaimed apart from the mark.
For Liniment for the Treatment of Body Pains, Rheumatism, Neuralgia, Neuritis, Colds, Grip, Colitis, Indigestion, Sinus Trouble, Lumbago, Strained Muscles, Sprains, Bruises, Burns, Cuts, Piles, Itch, Athlete's Foot, Insects Bites, Blood Poison.
Claims use since July, 1936.

Ser. No. 389,465. MARCY LABORATORIES INC., New York, N. Y. Filed Feb. 27, 1937.

VERACHOL

For Cholagogue and Liver Medicine.
Claims use since Feb. 19, 1937.

Ser. No. 389,604. ISIDOR Z. GARFIELD, doing business as Garfield & Co., New York, N. Y. Filed Mar. 3, 1937.



The drawing is lined for blue. The representation of the carton, per se, is disclaimed apart from the mark.
For Seidlitz Powders.
Claims use since Feb. 1, 1937.

Ser. No. 390,147. PARFUMS CHARBERT, INC., New York, N. Y. Filed Mar. 16, 1937.

YOURS SINCERELY

For Perfumes, Toilet Waters, Sachets, Eau de Colognes, Talcum Powder, Face Powder, Bath Powder, Face Creams, and Cleansing Creams.
Claims use since Oct. 2, 1936.

Ser. No. 390,283. STANCO INCORPORATED, New York, N. Y. Filed Mar. 19, 1937.



The representation of a label, per se, is disclaimed. The drawing is lined for red, yellow, and black.
For Insecticides and Fungicides.
Claims use since Apr. 17, 1936.

Ser. No. 390,311. DE ARMOND'S INC., Philadelphia, Pa. Filed Mar. 20, 1937.



For Preparations for Hair and Scalp Hygiene—Namely, Tonics, Shampoos, Oils, Ointments, and Dressings.
Claims use since Mar. 5, 1937.

Ser. No. 390,323. KENT REMEDIES, INC., Brooklyn, N. Y. Filed Mar. 20, 1937.



The picture is that of Louis S. Grycz, an officer of applicant corporation.
For Stomach Preparation.
Claims use since Dec. 8, 1936.

Ser. No. 390,324. KENT REMEDIES, INC., Brooklyn, N. Y. Filed Mar. 20, 1937.



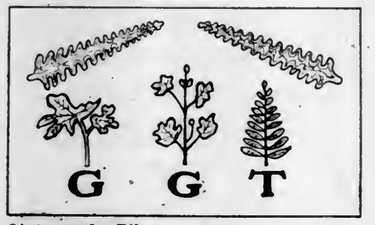
The picture is that of Louis S. Grycz, an officer of applicant corporation.
For Cough Medicine.
Claims use since Dec. 8, 1936.

Ser. No. 390,331. ONYX OIL & CHEMICAL CO., Jersey City, N. J. Filed Mar. 20, 1937.

SILK-O-RAY

For Preparation for Application to Synthetic Fabrics, Mercerized Cotton Fabrics, Silk Fabrics, Hosiery, and Other Textile, Knitted, and Netted Materials in the Piece, and Fibrous Materials in Skeins and Other Form, for Imparting Thereto a Silky Hand and Scroop or Crunch.
Claims use since July 1, 1936.

Ser. No. 390,353. TILLMAN B. CARSON, Battle Creek, Mich. Filed Mar. 22, 1937.



For Ointment for Piles.
Claims use since Mar. 2, 1937.

Ser. No. 390,376. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 22, 1937.

SAL-MANDIN

For Medicinal Preparation of Mandelic Acid Granular Effervescent Salt.
Claims use since Feb. 27, 1937.

Ser. No. 390,391. THE R. L. WATKINS COMPANY, New York, N. Y. Filed Mar. 22, 1937.

Mulsitan

For Sunburn Preventative.
Claims use since May 11, 1936.

Ser. No. 390,415. D-B LABORATORIES, Houston, Tex. Filed Mar. 23, 1937.

POLAR

For Antiseptic Heat Powder Recommended for Prickly Heat, for Babies' Irritated Skin, and for Checking Perspiration.
Claims use since Mar. 1, 1936.

Ser. No. 390,448. FRITZSCHE BROTHERS, INC., New York, N. Y. Filed Mar. 24, 1937.

OXIDEX

For Preservatives (Not Antiseptics) and Anti-Oxidants for Vegetable and Animal Fats and Oils, Such as Olive, Cotton Seed, Coconut, Linseed, Almond, Turtle, Lanoline, Lard, and Similar Oils.
Claims use since Mar. 15, 1937.

Ser. No. 390,514. GIFFORD PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Mar. 25, 1937.

TETRASALINE

For Medicine for the Treatment of Acidosis.
Claims use since Sept. 15, 1936.

Ser. No. 390,515. GIFFORD PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Mar. 25, 1937.

DUOBILESAL

For Medicine for the Treatment of the Bile Tract.
Claims use since Sept. 15, 1936.

Ser. No. 390,545. CHICAGO PHARMACAL CO., Chicago, Ill. Filed Mar. 26, 1937.

VITACAIN

For Ointment Containing Vitamins A and D with Benzocaine To Be Used as a Dressing for Burns, Bruises, Cuts, and the Like.
Claims use since July 8, 1936.

Ser. No. 390,565. E. R. SQUIBB & SONS, New York, N. Y. Filed Mar. 26, 1937.

CHOCOMUL

For Laxatives, Particularly Castor-Oil Emulsions and Mineral Oil Emulsions.
Claims use since Jan. 4, 1927.

Ser. No. 391,005. HERCULES POWDER COMPANY, Wilmington, Del. Filed Apr. 6, 1937.

FLOTO

For Flotation Reagent for Ores or Minerals.
Claims use since Oct. 12, 1923.

Ser. No. 391,008. LENTHERIC, INCORPORATED, New York, N. Y. Filed Apr. 6, 1937.

SIESTA

For Face Powders.
Claims use since Mar. 12, 1937.

Ser. No. 391,009. LENTHERIC, INCORPORATED, New York, N. Y. Filed Apr. 6, 1937.

GAUCHO

For Lipsticks and Rouges.
Claims use since Mar. 17, 1937.

Ser. No. 391,034. NEVA-WET CORPORATION OF AMERICA, INC., New York, N. Y. Filed Apr. 7, 1937.

Neva-Wetized

For Processing Fluids for Treating Laundered Articles Made of Cotton, Wool, Silk, Linen, Artificial Fabrics, Fibrous Materials, or Combinations Thereof for Rendering Them Water Repellent.
Claims use since Mar. 19, 1937.

Ser. No. 391,060. ELJAY CORPORATION, Chicago, Ill. Filed Apr. 8, 1937.

Derma flex

For Hand Cream.
Claims use since Mar. 8, 1937.

Ser. No. 391,073. L. H. KASSEL & CO., doing business as L. H. Kassel Manufacturing Co., Fort Worth, Tex. Filed Apr. 8, 1937.

SNO-MAN



For Powdered Borax.
Claims use since Feb. 20, 1937.

Ser. No. 391,188. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Filed Apr. 10, 1937.

MERTOL

For Germicide and Antiseptic.
Claims use since Apr. 7, 1937.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 390,430. ARNHOLD & CO., INC., New York, N. Y. Filed Mar. 24, 1937.

CHINA BOY

For Firecrackers.
Claims use since Sept. 1, 1934.

Ser. No. 390,431. ARNHOLD & CO., INC., New York, N. Y. Filed Mar. 24, 1937.

GEE WHIZ

For Firecrackers.
Claims use since Sept. 1, 1934.

Ser. No. 390,432. ARNHOLD & CO., INC., New York, N. Y. Filed Mar. 24, 1937.

HAPPY MAN

For Firecrackers.
Claims use since Sept. 1, 1934.

Ser. No. 390,433. ARNHOLD & CO., INC., New York, N. Y. Filed Mar. 24, 1937.

KANGAROO

For Firecrackers.
Claims use since Sept. 1, 1934.

CLASS 11

Inks and Inking Materials

Ser. No. 390,855. A. P. LITTLE, INC., Rochester, N. Y. Filed Apr. 2, 1937. Under 10-year proviso.

Satin finish

For Typewriter Ribbons.
Claims use since 1888.

CLASS 12

Construction Materials

Ser. No. 387,154. WEST COAST PLYWOOD COMPANY, Aberdeen, Wash. Filed Dec. 24, 1936.

TRU-BILT

For Plywood, Wallboard, and Doors.
Claims use since Oct. 24, 1936, on plywood and wallboard; since Nov. 23, 1936, on doors.

Ser. No. 389,521. I. F. LAUCKS, INC., Seattle, Wash. Filed Mar. 1, 1937.

SPAX

For Spaetling Compound.
Claims use since Feb. 16, 1937.

Ser. No. 390,115. DEPENDON ROOFING COMPANY, Chicago, Ill. Filed Mar. 16, 1937.

DEPENDON

For Thermal Insulating Material.
Claims use since Feb. 16, 1936.

Ser. No. 390,121. R. GUASTAVINO COMPANY, Boston, Mass. Filed Mar. 16, 1937.

AKOUSTOLITH

For Artificial Stone Which Possesses the Property of Absorbing Sound.
Claims use since 1918.

Ser. No. 390,501. JOHN GUY BRITTON, Lansdowne, Pa. Filed Mar. 25, 1937.

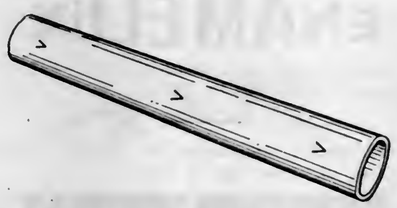
SOFTONE

For Sound Absorbent Plastic Material, in Dry, Liquid, and Rigidly Set Forms.
Claims use since Feb. 21, 1937.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 388,024. ROBERTS TUBE WORKS, INC., Detroit, Mich. Filed Jan. 21, 1937.



Trade-mark consists of a succession of V-shaped marks on the surface of the tubing in spaced apart relationship longitudinally thereof, no claim being made to the representation of the tube per se.
For Metal Tubing.
Claims use since September, 1935.

Ser. No. 389,362. LEROY H. LYTLE, Alliance, Ohio. Filed Feb. 25, 1937.



No claim is made to the word "Protector" or to the representation of the goods apart from the mark.
For Thread Protectors.
Claims use since Jan. 1, 1937.

Ser. No. 389,624. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Mar. 3, 1937.

PERMOBOND

For Rubber Lined Metal Pipe and Pipe Fittings.
Claims use since Dec. 13, 1934.

Ser. No. 390,766. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 31, 1937.

RX*

For Staples Used in Stapling Machines for Fastening Papers, Cardboard, Fabrics, Metal, Etc., Together, also for Fastening Papers, Cardboard, Metal, Etc., on to Wood, Etc.
Claims use since June 30, 1934.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 389,961. SWEDISH IRON & STEEL CORPORATION, New York, N. Y. Filed Mar. 12, 1937.

SOLECORE

For Iron, as Such, Hot Rolled, Cold Drawn, or Cold Rolled, Furnished in the Form of Bars, Rounds, Squares, Sheets, Plates, Strip, Wire, Rods, and Other Miscellaneous Unfinished but Standard Raw Material Forms.
Claims use since Feb. 13, 1937.

Ser. No. 390,338. ZIV STEEL & WIRE CO., Chicago, Ill. Filed Mar. 20, 1937.

HOB-A-DIE

The words "Hob" and "Die" are separately disclaimed apart from the mark.
For Tool, Hobbing, and Die Steel, and Iron.
Claims use since Dec. 29, 1936.

Ser. No. 390,904. COPPER RANGE COMPANY, Painesdale, Mich. Filed Apr. 3, 1937. Under 10-year proviso.

C. G. HUSSEY & CO.

For Copper Sheet, Copper in Rolls, Copper Wire, Brass Sheet, and Brass Wire.
Claims use since 1848.

CLASS 15

Oils and Greases

Ser. No. 390,449. A. GROSS CANDLE COMPANY, INC., Baltimore, Md. Filed Mar. 24, 1937.

OREMUS

For Candles, Votive, Sanctuary, and Tabernacle Lights Made of Oils, Greases, Fats, and/or Waxes Similar to Candles.
Claims use since Feb. 5, 1937.

Ser. No. 390,476. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Mar. 24, 1937.

STANWAX

For Paraffin Wax.
Claims use since Jan. 16, 1937.

Ser. No. 390,544. CERTIFIED CORE OIL & MANUFACTURING CO., Chicago, Ill. Filed Mar. 26, 1937.



For Core Oils.
Claims use since April, 1936.

Ser. No. 390,754. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 31, 1937.

Paraseal

For Wax Derived from Petroleum.
Claims use since Mar. 5, 1937.

CLASS 16

Paints and Painters' Materials

Ser. No. 388,549. HOWARD ELMER SMITH, Englewood, N. J. Filed Feb. 4, 1937.

INSL-X

For Lacquers and Paint Enamels.
Claims use since Feb. 3, 1937.

Ser. No. 389,949. VITA-VAR CORP., Newark, N. J. Filed Mar. 11, 1937.

SYNTHELITE

For Dry, Paste, and Ready Mixed Paints, Varnish, and Paint Enamels.
Claims use since Jan. 29, 1937.

Ser. No. 390,812. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Apr. 1, 1937.

CO-OP

For Paints (Ready Mixed, Paste Form, and Dry), Paint Enamels, Lacquers, Japans, Varnishes, Stains, Paint Fillers, Kalsomine, Water Paints, White Lead, Dry Paint Colors, and Paint Pigments.
Claims use since Jan. 15, 1937.

Ser. No. 390,838. THE JOHN P. COCHRAN COMPANY, Cleveland, Ohio. Filed Apr. 2, 1937.

ENAMELUX

For Paint-Enamels and Varnishes.
Claims use since Mar. 13, 1937.

Ser. No. 390,874. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Apr. 2, 1937.

NU-BRITEN

For Calcimine.
Claims use since April, 1936.

Ser. No. 391,132. I. F. LAUCKS, INC., Seattle, Wash. Filed Apr. 9, 1937.

VELLO-ITE

For Cold Water Paints and Calcimines.
Claims use since Dec. 1, 1936.

Ser. No. 391,278. I. F. LAUCKS, INC., Seattle, Wash. Filed Apr. 13, 1937.

REZ-IT

For Under or Priming Coat for Wood, Cement, Plaster, or Brick and for a Filler, Sealer, and Grain Raising Inhibitor for Lumber and Plywood.
Claims use since Apr. 7, 1937.

Ser. No. 391,397. PURITAN SOAP COMPANY, Rochester, N. Y. Filed Apr. 15, 1937.

P.S.

For Polishing Wax.
Claims use since Jan. 30, 1935.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 382,191. THE GEO. WORTHINGTON COMPANY, Cleveland, Ohio. Filed Aug. 12, 1936.

TRAIL BLAZER

For Bicycles and Bicycle Frames, Forks, Handle Bars, Grips, Saddles, Cranks, Pedals, Wheels, Spokes, Rims, and Hubs.
Claims use since July 22, 1936.

Ser. No. 390,207. THE GARFORD CORPORATION, Marion, Ind. Filed Mar. 18, 1937.

Garford

Trade-mark is in the form of the signature of Arthur L. Garford.
For Automobiles, and Particularly Trucks.
Claims use since 1908.

Ser. No. 390,714. THE SLEETEX COMPANY, INC., New York, N. Y. Filed Mar. 30, 1937.

SLEET-KING

For Vehicle Windshield Wiper Blades.
Claims use since Mar. 10, 1937.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 391,377. CONGOLEUM-NAIRN INC., Kearny, N. J. Filed Apr. 15, 1937.

PERSONAL-IZED

For Linoleum.
Claims use since Apr. 9, 1937.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 355,990. TELERADIO ENGINEERING CORPORATION New York, N. Y. Filed Sept. 12, 1934.

TECO

For Radio Frequency Coils, Intermediate Frequency Transformers, Electric Relays.
Claims use since Apr. 21, 1927.

Ser. No. 373,076. ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Dec. 26, 1935.

FARM POWR

For Radio and Television Receiving Sets and Generating Apparatus Therefor and Parts Thereof.
Claims use since Dec. 10, 1935.

Ser. No. 383,156. THE ARTKRAFT SIGN COMPANY, Lima, Ohio. Filed Sept. 12, 1936.

ARTKRAFT

For Electrical Signs.
Claims use since 1921.

Ser. No. 384,077. THE FISK RUBBER CORPORATION, Chicopee Falls, Mass. Filed Oct. 7, 1936.



For Friction Tape and Storage Batteries.
Claims use since 1910 on said tape; since July 18, 1935 on batteries.

Ser. No. 384,078. THE FISK RUBBER CORPORATION, Chicopee Falls, Mass. Filed Oct. 7, 1936.

TIME

TO

RETIRE

For Friction Tape and Storage Batteries.
Claims use since 1910 on said tape; since July 18, 1935 on batteries.

Ser. No. 386,381. STANDARD RADIO CORPORATION, Belleville, N. J. Filed Dec. 5, 1936.

CECO

For Electron Tubes.
Claims use since Nov. 19, 1936.

Ser. No. 390,793. MARBON CORPORATION, Chicago, Ill. Filed Apr. 1, 1937.

MARBON

For Dielectric Tubes, Dielectric Sheets, and Condensers.
Claims use since Mar. 9, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 382,825. THE H. & D. FOLSOM ARMS CO., New York, N. Y. Filed Sept. 2, 1936.

"OLD BRINY"

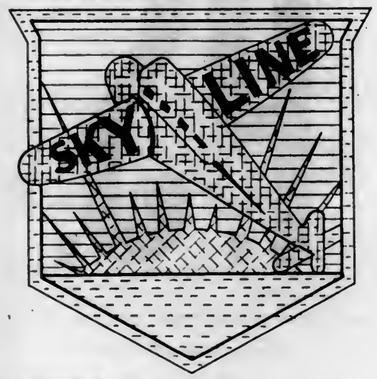
For Fishing Lines.
Claims use since January, 1934.

Ser. No. 390,646. GOLF-T-FLEX COMPANY, New York, N. Y. Filed Mar. 29, 1937.

GOLF-T-FLEX

The word "Golf" is disclaimed apart from the mark.
For Golf Tees.
Claims use since Mar. 1, 1937.

Ser. No. 390,790. JUNIOR JOY CORPORATION, Hammond, Ind. Filed Apr. 1, 1937.



For Velocipedes.
Claims use since Feb. 5, 1935.

Ser. No. 391,044. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Apr. 7, 1937.

DONKEY DOODLE

For Swimming or Bathing Devices Simulating the Form of an Animal.
Claims use since Mar. 12, 1937.

Ser. No. 391,194. KENNETH SMITH, Lenexa, Kans. Filed Apr. 10, 1937.

AROWIN

For Golf Clubs and Parts Thereof.
Claims use since November, 1936.

Ser. No. 391,220. ORVILLE A. HEITKAMP, doing business as Hap's Bait Company, Boone, Iowa. Filed Apr. 12, 1937.

HAP'S

For Fish Bait.
Claims use since May, 1932.

CLASS 23

Measuring and Scientific Appliances

Ser. No. 380,932. U. S. SLICING MACHINE COMPANY, La Porte, Ind. Filed July 11, 1936.

SLICE the CLEAN WAY

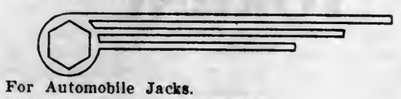
The words "Slice the Clean Way" are disclaimed except as shown.
For Slicing Machines.
Claims use since Feb. 7, 1936.

Ser. No. 388,263. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa. Filed Jan. 28, 1937.

H13

For Metal Cutting Tools and Tool Tips—Namely, Straight and Shaped Shank Cutting Tools and Reamers, Counterbores, Milling Cutters, Drills, Jigs, Bushings, Also Extrusion and Drawing Dies.
Claims use since January, 1933.

Ser. No. 389,632. BLACKHAWK MFG. CO., Milwaukee, Wis. Filed Mar. 4, 1937.



For Automobile Jacks.
Claims use since Dec. 24, 1936.

Ser. No. 389,637. BRADFORD MOTOR WORKS, Bradford, Pa. Filed Mar. 4, 1937.

TEX TYPE

The word "Type" is disclaimed apart from the mark.
For Pump Valves and Plunger Fittings.
Claims use since March, 1935.

Ser. No. 390,978. VARIETY VACUUM CLEANER CO., INC., Newark, N. J. Filed Apr. 5, 1937.

Deflecto

For Suction-Cleaner Attachments.
Claims use since Mar. 13, 1937.

Ser. No. 390,980. THE WOOD SHOVEL AND TOOL COMPANY, Piqua, Ohio. Filed Apr. 5, 1937.



For Shovels, Spades, and Scoops.
Claims use since Mar. 6, 1937.

Ser. No. 390,981. THE WOOD SHOVEL AND TOOL COMPANY, Piqua, Ohio. Filed Apr. 5, 1937.



For Shovels, Spades, and Scoops.
Claims use since Mar. 6, 1937.

Ser. No. 390,982. THE WOOD SHOVEL AND TOOL COMPANY, Piqua, Ohio. Filed Apr. 5, 1937.



For Shovels, Spades, and Scoops.
Claims use since Mar. 6, 1937.

CLASS 26

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 375,206. JULIEN P. FRIEZ & SONS, INC., Baltimore, Md. Filed Feb. 25, 1936.

EFFECTISTAT

For Temperature and Humidity Responsive Device for Controlling Temperature Wherein Humidity and Temperature Actuate the Responsive Device to Control Heat Generating or Absorbing Devices.
Claims use since Nov. 12, 1935.

Ser. No. 375,207. JULIEN P. FRIEZ & SONS, INC., Baltimore, Md. Filed Feb. 25, 1936.

WINDOWSTAT

For Instrument for Controlling Humidity Wherein the Instrument is Actuated in Response to Humidity to Control Humidifying or Heating Apparatus.
Claims use since Nov. 12, 1935.

Ser. No. 382,986. MICROMATIC HONE CORPORATION, Detroit, Mich. Filed Sept. 4, 1936.

ALINE-O-PLATE

The words "Aline" and "Plate" are disclaimed apart from the mark.
For Apparatus for Aligning Blocks to Be Machined.
Claims use since Jan. 26, 1934.

Ser. No. 383,352. COMPASS CAMERAS LIMITED, London, England. Filed Sept. 17, 1936.

COMPASS

For Photographic Cameras.
Claims use since Oct. 17, 1934.

CLASS 27

Horological Instruments

Ser. No. 389,475. RECORD WATCH CO. S. A., Geneva, Switzerland. Filed Feb. 27, 1937.

Record Watch Co S.A.
Tramelan

The word "Tramelan" is disclaimed apart from the mark as shown.
For Watches and Clocks and Parts Thereof.
Claims use since June 11, 1924.

Ser. No. 390,782. ELGIN NATIONAL WATCH COMPANY, Elgin and Chicago, Ill. Filed Apr. 1, 1937.



For Watches, Watch Movements, and Watch Cases.
Claims use since Mar. 13, 1937.

Ser. No. 391,163. THE WATERBURY CLOCK COMPANY, Waterbury, Conn. Filed Apr. 9, 1937.

THE WATCH WORD
OF THE
NATION

For Watches.
Claims use since Apr. 2, 1937.

Ser. No. 391,164. THE WATERBURY CLOCK COMPANY, Waterbury, Conn. Filed Apr. 9, 1937.

THE WATCH WORD
OF THE
WORLD

For Watches.
Claims use since Apr. 2, 1937.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 386,274. DAVID E. SCHWAB & CO., New York, N. Y. Filed Dec. 3, 1936.



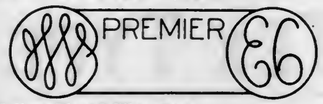
The words "Wrist" and "Kerchief" are disclaimed apart from the mark.
For Bracelet with Handkerchief Attached, the Bracelet Being Made of Precious Metal.
Claims use since July 17, 1936.

Ser. No. 390,205. FORSTNER CHAIN CORPORATION, Irvington, N. J. Filed Mar. 18, 1937.

FORTUNE

For Key Chains, Watch Chains, Tie Holders, Collar Pins, Collar Holders, Necklaces, Bracelets, and Cuff Buttons and Shirt Studs Made of or Plated with Precious Metal, and Wrist Watch Bracelets.
Claims use since Dec. 23, 1936.

Ser. No. 390,426. JOHN WANAMAKER NEW YORK, New York, N. Y. Filed Mar. 23, 1937.



For Hollow Plated Silverware.
Claims use since Dec. 8, 1936.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 391,419. C. W. FULLER, New York, N. Y. Filed Apr. 16, 1937.

M. O. D.

For Toothbrushes.
Claims use since Feb. 9, 1937.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 390,298. THE HOMER LAUGHLIN CHINA COMPANY, Newell, W. Va. Filed Mar. 20, 1937.

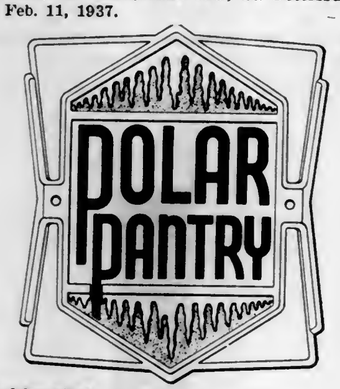
fiesta
H·L·C USA

The letters "U S A" are disclaimed.
For Earthenware for Table Service.
Claims use since Nov. 11, 1935.

CLASS 31

Filters and Refrigerators

Ser. No. 388,766. BROQUINDA INC., St. Petersburg, Fla. Filed Feb. 11, 1937.



For Refrigerators.
Claims use since April, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 380,710. B. P. JOHN FURNITURE CORPORATION, Portland, Oreg. Filed July 7, 1936.

Fashion-Flow

The word "Fashion" is disclaimed apart from the mark.
For Bedroom, Dining Room, and Living Room Furniture, as Follows: Bedsteads, Chests, Chiffoniers, Chiffobes, Dressers, Low Boys, High Boys, Dressing Tables, Vanities, Desks, Cedar Lined Chests, Cedar Lined Wardrobes, Pier Cabinets, Night Stands, Chairs, Benches, Extension Tables, Refectory Tables, Dinette Tables, China Cabinets, Serving Tables, Tea Tables, Tea Wagons, Dining Chairs, Arm Chairs, Servers, Davenports, Sofas, Upholstered Chairs, Occasional Chairs, Coffee Tables, Cocktail Tables, End Tables, Magazine Racks, Occasional Tables, Bookcases, Secretary Desks, Lamp Tables, Smoking Cabinets, and Liquid Cabinets.
Claims use since June 15, 1936.

Ser. No. 388,521. WOODHOUSE & CO. LTD., New York, N. Y. Filed Feb. 3, 1937.



The term "Woodcraft" is disclaimed apart from the mark.
For Bedroom Suites—Namely, Dressers, Chests, Vanities, Beds, Chairs, Benches, and Night Tables; Book Cases; Bed Springs; Breakfronts; Cedar Chests; Card Table Sets; Cellarettes; Chrome Upholstered Frame Furniture; Dining Room Suites—Namely, Buffets, China Cabinets, Servers, Extension Tables, Side and Arm Chairs; Desks (Home and Office); Davenport Beds; Metal and Wood Garden Furniture—Namely, Outdoor Metal Furniture Consisting of Tables, Couches, and Chairs; Juvenile and Nursery Furniture—Namely, Beds, Cribs, Dressers, Chests, Tables, and Chairs; Metal and Wood Kitchen Furniture—Namely, Chairs, Tables, Cabinets, and Cupboards; Upholstered Living Room Furniture—Namely, Sofas, Chairs (Individually and in Sets); Mattresses; Mirrors; Metal Beds; Occasional Tables; Office Furniture—Namely, Leather and Wood Chairs, Sofas, Desks, and Cabinets; Porch Furniture Made of Metal, Wood, Rattan, Reed, or a Combination Thereof—Namely, Chairs, Tables, and Sofas; Secretaries; Smokers' Cabinets and Stands; Studio Couches; Sofa Beds; and Wall Cabinets.
Claims use since Dec. 1, 1936.

Ser. No. 389,173. ELSIE DE WOLFE INC., New York, N. Y. Filed Feb. 20, 1937.

Modern Regency

For Furniture for the Household—Namely, Bookcases, Tables, Desks, Secretaries, Bookracks, Magazine Racks, Sofas, Chairs, Hall-Trees, Tea Wagons, Sideboards, China Cabinets, Buffets, Beds, Dressers, Dressing Tables, Chiffoniers, Chests, Mirror Frames, Mirrors, Stands, Vanities, Costumers, Couches, Chaise-Lounges, Davenports, Cabinets, Footrests, Picture-Frames, Pedestals, and Partitioning Screens.
Claims use since Jan. 14, 1936.

CLASS 33

Glassware

Ser. No. 385,657. DORE ROSENBERG, doing business as Globe Trading Co., New York, N. Y. Filed Nov. 18, 1936.

GLOBE

For Watch Crystals.
Claims use since Oct. 1, 1935.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 370,181. HAMMER-BRAY COMPANY, LTD., Oakland, Calif. Filed Oct. 9, 1935.

Adjusto-Grid

The word "Grid" is disclaimed apart from the mark.
For Grid Regulator for Stove Broilers.
Claims use since April, 1935.

Ser. No. 386,005. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 27, 1936.

WINDOSTAT

For Fan Driven Room Ventilators.
Claims use since Oct. 1, 1936.

CLASS 36

Musical Instruments and Supplies

Ser. No. 391,031. NATIONAL BROADCASTING COMPANY, INC., New York, N. Y. Filed Apr. 7, 1937.

Thesaurus

For Sound Records and Especially Sound Records for Use in Radio Broadcasting.
Claims use since July, 1935.

Ser. No. 391,032. NATIONAL BROADCASTING COMPANY, INC., New York, N. Y. Filed Apr. 7, 1937.

NBC

For Sound Records and Especially Sound Records for Use in Radio Broadcasting.
Claims use since July, 1935.

CLASS 37

Paper and Stationery

Ser. No. 383,380. THE AMERICAN CRAYON COMPANY, doing business as The Sandusky Crayon Co., Sandusky, Ohio. Filed Sept. 18, 1936.

TWIN-PAK

The word "Pak" is disclaimed apart from the mark.
For Crayons.
Claims use since Aug. 7, 1936.

Ser. No. 386,887. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Dec. 18, 1936.



Trade-mark consists of a gold colored tip or end of a pencil lead. No claim is made to the representation of the lead per se.
For Refill Leads for Mechanical Pencils.
Claims use since June, 1929.

Ser. No. 388,188. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Jan. 26, 1937.



Trade-mark consists of the words "Gold Top" and a gold colored cap or tip of a container for pencil leads. The representation of the container per se is disclaimed.
For Refill Leads for Mechanical Pencils.
Claims use since June, 1929.

Ser. No. 389,411. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Feb. 26, 1937.

"PERMAPOINT"

For Fountain Pens and Parts Thereof.
Claims use since Oct. 8, 1936.

Ser. No. 389,446. AMERICAN SILK LABEL MANUFACTURING CO., INC., New York, N. Y. Filed Feb. 27, 1937.

SEE AMERICAN FIRST

For Printed Paper Labels.
Claims use since Jan. 15, 1937.

Ser. No. 389,963. RIEGEL PAPER CORPORATION, Riegelsville, N. J., and New York, N. Y. Filed Mar. 12, 1937.

REDDIRAP

For Packages of Grease-Proof and Waxed Wrapping Paper for Use in Metal Dispensing Containers.
Claims use since Mar. 2, 1937.

Ser. No. 390,329. MARCALUS MANUFACTURING CO., INC., Elizabeth, N. J. Filed Mar. 20, 1937.

Sunrise

For Waxed Paper.
Claims use since Apr. 18, 1936.

Ser. No. 390,595. HILL-INDEPENDENT MFG. CO., Germantown, Philadelphia, Pa. Filed Mar. 27, 1937.

BEACON

For Hand Stamps.
Claims use since Mar. 12, 1937.

Ser. No. 390,596. HILL-INDEPENDENT MFG. CO., Germantown, Philadelphia, Pa. Filed Mar. 27, 1937.



For Hand Stamps.
Claims use since Mar. 12, 1937.

CLASS 38

Prints and Publications

Ser. No. 382,742. GOSPEL TRUMPET COMPANY, Anderson, Ind. Filed Aug. 29, 1936.

THE SUNSHINE LINE

The word "Line" is disclaimed apart from the mark.
For Greeting Cards.
Claims use since 1926.

Ser. No. 385,007. REGISTRY OF MEDICAL TECHNOLOGISTS, Denver, Colo. Filed Oct. 31, 1936.



For Periodical Publication and a Directory of Laboratory Technicians and Medical Technologists, Published from Time to Time.
Claims use since Jan. 1, 1935.

Ser. No. 386,363. ELECTRICAL HOUSEKEEPING, INC., Hartford, Conn. Filed Dec. 5, 1936.

Electrical Housekeeping

For Periodicals.
Claims use since Nov. 6, 1936.

Ser. No. 387,647. STATE TUBERCULOSIS SANATORIUM, Sanatorium, Tex. Filed Jan. 11, 1937.

THE CHASER

For Official Monthly Health Bulletin.
Claims use since September, 1922.

Ser. No. 387,815. THE CATHOLIC DIGEST, INC., St. Paul, Minn. Filed Jan. 15, 1937.



For Monthly Periodical.
Claims use since Nov. 15, 1936.

Ser. No. 388,558. ASSOCIATED PUBLICATIONS, Kansas City, Mo. Filed Feb. 5, 1937.

BOX OFFICE BAROMETER

For Annual Publication.
Claims use since Jan. 23, 1937.

Ser. No. 390,444. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Mar. 24, 1937.

Everyday Economics

For Newspaper Column.
Claims use since Feb. 15, 1937.

Ser. No. 390,623. CAROLINA CO-OPERATOR PUBLISHING COMPANY, INC., Raleigh, N. C. Filed Mar. 29, 1937.

CAROLINA CO-OPERATOR

For Periodical.
Claims use since January, 1935.

Ser. No. 390,738. NATIONAL ASTROLOGY MAGAZINE, INC., New York, N. Y. Filed Mar. 31, 1937.

INTERNATIONAL ASTROLOGY MAGAZINE

For Periodical.
Claims use since Nov. 9, 1936.

Ser. No. 390,762. WORLD LETTERS INCORPORATED, East Aurora, N. Y. Filed Mar. 31, 1937.

World Letters

For Publication Issued Intermittently.
Claims use since Oct. 23, 1933.

Ser. No. 390,765. HEARST PUBLICATIONS, INCORPORATED, San Francisco, Calif. Filed Mar. 30, 1937.

HOOF-BEATER'S SELECTIONS

For Column of Racing News and Comment Published in Its Daily Newspaper, The Oakland Post Enquirer.
Claims use since Nov. 8, 1934.

CLASS 39

Clothing

Ser. No. 383,616. B AND B SHOE COMPANY, Chicago, Ill. Filed Sept. 25, 1936.

Little VOTER

For Childrens' Shoes Made of Leather and/or Fabric and Like Material.
Claims use since June, 1936.

Ser. No. 387,830. G. R. KINNEY CO., INC., New York, N. Y. Filed Jan. 15, 1937.

=KINNEY'S=
STYLE-SHOE
FOR MEN WHO KNOW VALUE

Applicant disclaims the words "Kinney's", "Style-Shoe", and "For Men Who Know Value".
For Shoes Made of Leather, Fabric, and Combinations of Leather, Fabric, and Rubber, and Hosiery.
Claims use since Dec. 23, 1936.

Ser. No. 388,140. MODERN MANUFACTURING CO., INC., New York, N. Y. Filed Jan. 25, 1937.

Peggy Petite

For Dresses and House-Dresses for Women, Misses, or Children; Aprons, Hooverettes, Pajamas.
Claims use since September, 1919.

Ser. No. 388,194. KINGSBORO SILK MILLS, INC., Gloversville, N. Y. Filed Jan. 26, 1937.

SATIN-GLO
By ROGERS

The words "Satin", "By", and "Rogers" are disclaimed apart from the mark.
For Ladies' and Children's Knitted Vests, Panties, and Pajamas, the Material of Which the Goods are Made being Rayon.
Claims use since Jan. 5, 1935.

Ser. No. 388,689. STANDARD CLOAK AND SUIT CO., Seattle, Wash. Filed Feb. 9, 1937.

Sco Stanleigh Garment QUALITY ESTABLISHED

The words "Garment" and "Quality Established" are disclaimed apart from the mark shown.
For Women's Apparel—Namely, Women's Coats, Cloaks, Suits, Dresses, Blouses, Ladies' Hats, Stockings, and Underwear.
Claims use since Jan. 15, 1936.

Ser. No. 388,916. CORONET CLOTHES, INC., New York, N. Y. Filed Feb. 15, 1937.

Coronet Clothes

The word "Clothes" is disclaimed apart from the mark.
For Men's Clothing—Namely, Suits, Overcoats, Topcoats.
Claims use since January, 1924.

Ser. No. 388,991. ABE MILLMAN & WEINSTOCK, Brooklyn, N. Y. Filed Feb. 16, 1937.

HOLLYWOOD BEACH WEAR

The words "Hollywood" and "Beach Wear" are disclaimed apart from the mark.
For Beachwear Consisting of Play Suits, Shorts for Outer Wear, Halters, Culottes, Beach Dresses, Beach Capes, and Beach Jackets.
Claims use since Aug. 14, 1936.

Ser. No. 389,268. SINGER, BRONSTEIN & WAX, INC., New York, N. Y. Filed Feb. 23, 1937.

CONTINENTAL

For Ladies' Manufactured Fur Coats.
Claims use since Jan. 15, 1937.

Ser. No. 389,459. R. FUSCO & BROS. INC., Roselle, N. J. Filed Feb. 27, 1937.

Tailored Olympic SPORTSWEAR

The expression "Tailored Olympic Sportswear" is disclaimed except as shown.
For Sportswear—Namely, Polo Shirts, Bath Robes, Beach Robes, and Beach Pajamas.
Claims use since Feb. 1, 1936.

Ser. No. 389,551. EDISON BROS. STORES, INC., St. Louis, Mo. Filed Mar. 2, 1937.

MELO-TRED

The word "Tred" is disclaimed apart from the mark.
For Ladies' Shoes Made of Rubber, Fabric, Leather, and Combinations Thereof, and Hosiery.
Claims use since Jan. 1, 1937.

Ser. No. 389,619. HANNY PIERINGER, Forest Hills, N. Y. Filed Mar. 3, 1937.

HEIDI

For Women's and Children's Dresses.
Claims use since Apr. 7, 1936.

Ser. No. 389,706. AMBASSADOR TEXTILE CORP., Los Angeles, Calif. Filed Mar. 6, 1937.

BEACHIES

For Swim Trunks, Swim Suits, Sweaters, and Women's and Children's Knitted Coats.
Claims use since Jan. 14, 1937.

Ser. No. 389,861. L. ABELSON & SON, New York, N. Y. Filed Mar. 10, 1937.

SKI-MAC

The word "Ski" is disclaimed apart from the mark.
For Children's, Boys', Girls', Men's, and Women's Mackinaws and Lumber Jackets, and Overcoats.
Claims use since June, 1936.

Ser. No. 389,960. HOMER L. STORK, doing business as Hope Hosiery Mills, Adamstown, Pa. Filed Mar. 12, 1937.

GARDEN·SPOT·SOX

The word "Sox" is disclaimed apart from the mark.
For Hosiery.
Claims use since Oct. 17, 1936.

Ser. No. 390,040. J. BLACH & SONS, Birmingham, Ala. Filed Mar. 15, 1937.

BLAXON

For Men's Suits and Overcoats.
Claims use since Mar. 1, 1927.

Ser. No. 390,041. J. BLACH & SONS, Birmingham, Ala. Filed Mar. 15, 1937.

Blachshire Clothes

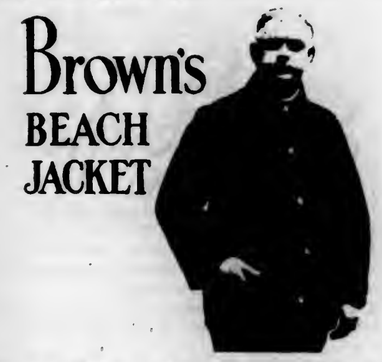
The word "Clothes" is disclaimed apart from the mark.
For Men's Suits and Overcoats.
Claims use since Mar. 1, 1927.

Ser. No. 390,095. MURROW & GALFIELD, INC., Chicago, Ill. Filed Mar. 15, 1937.



The figure is fanciful.
For Ladies' Coats.
Claims use since Jan. 1, 1937.

Ser. No. 390,160. BROWN'S BEACH JACKET CO., Worcester, Mass. Filed Mar. 17, 1937.



The term "Beach Jacket" is disclaimed except in connection with the other features of the mark.
Applicant is the owner of registration Number 115,437. The illustration is a likeness of Wm. W. Brown, deceased.
For Jackets and Vests.
Claims use since October, 1913.

Ser. No. 390,209. ROBERT W. HAMILTON, New York, N. Y. Filed Mar. 18, 1937.

Lady Hamilton



CASTLE

For Ladies' Dresses of Silk, Cotton, or Wool.
Claims use since July 1, 1936.

Ser. No. 390,253. THE TRION COMPANY, Trion, Ga. Filed Mar. 18, 1937.

WHOPPER

For Work Gloves and Work Mittens of Fabric, Leather, and Combinations Thereof.
Claims use since Mar. 6, 1936.

Ser. No. 390,271. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Mar. 19, 1937.

BACKSWING

For Hats for Men and Women.
Claims use since Mar. 10, 1937.

Ser. No. 390,272. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Mar. 19, 1937.

Briefers

For Ladies' Hats.
Claims use since Mar. 5, 1937.

Ser. No. 390,335. WAMSUTTA MILLS, New Bedford, Mass. Filed Mar. 20, 1937.

BABICALE

For Garments for Infants' and Children's Wear Consisting of Dresses, Toddler Dresses, Gertrudes, Bibs, Creepers, for Outer Wear, and Underwear for Children Consisting of Panties and Slips.
Claims use since Nov. 16, 1936.

Ser. No. 390,446. DALTON HAT COMPANY, Yonkers, N. Y. Filed Mar. 24, 1937.



For Men's Hats.
Claims use since Mar. 10, 1937.

Ser. No. 390,602. MARTIN BROTHERS COMPANY, Minneapolis, Minn. Filed Mar. 27, 1937.

Klad-εε

For Children's Clothing, Particularly, Infants' Robes, Underwear, Pajamas, Sweat Shirts, Polo Shirts, Sweaters, and Knitted Suits.
Claims use since Dec. 15, 1936.

Ser. No. 390,676. D. SIEGEL CO., New York, N. Y. Filed Mar. 29, 1937.

Tri-Weather

For Men's Overcoats, Raincoats, Removable Overcoat Linings, Composite Overcoats and Raincoats and Topcoats.
Claims use since Jan. 16, 1937.

Ser. No. 390,710. ROGERS PEET COMPANY, New York, N. Y. Filed Mar. 30, 1937.



For Men's Outer Suits.
Claims use since Mar. 16, 1937.

Ser. No. 390,711. ROGERS PEET COMPANY, New York, N. Y. Filed Mar. 30, 1937.



For Men's and Boys' Outer Suits and Overcoats.
Claims use since Mar. 16, 1937.

Ser. No. 390,712. ROGERS PEET COMPANY, New York, N. Y. Filed Mar. 30, 1937.



For Men's and Boys' Outer Suits and Overcoats.
Claims use since Mar. 16, 1937.

Ser. No. 390,755. SUSSMAN & FELDMAN, New York, N. Y. Filed Mar. 31, 1937.



The word "Coats" is disclaimed apart from the mark.
For Women's and Misses' Coats and Suits.
Claims use since Mar. 13, 1937.

Ser. No. 390,887. RUBENS & MARBLE, INCORPORATED, Chicago, Ill. Filed Apr. 3, 1937.

Sneburs

For Infants' Garments, and Particularly Infants' Shirts.
Claims use since Nov. 10, 1936.

Ser. No. 390,910. GLADDY DRESS CORP., New York, N. Y. Filed Apr. 3, 1937.

Top of The Town

For Ladies' and Misses' Dresses, Coats, and Suits.
Claims use since Mar. 22, 1937.

Ser. No. 391,023. ROGER KENT, INC., New York, N. Y., and New Haven, Conn. Filed Apr. 7, 1937.

Airkent

For Men's Clothing—Namely, Two and Three Piece Suits, Coats, Vests, Trousers, and Overcoats.
Claims use since Feb. 15, 1937.

Ser. No. 391,024. ROGER KENT, INC., New York, N. Y., and New Haven, Conn. Filed Apr. 7, 1937.

KENTINGHAM

For Men's Clothing—Namely, Two and Three Piece Suits, Coats, Vests, Trousers, and Overcoats.
Claims use since Mar. 1, 1937.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 388,593. HERMAN PLAUT, New York, N. Y. Filed Feb. 5, 1937.

The Flower of the Hour

The word "Flower" is disclaimed.
For Artificial Flowers.
Claims use since Jan. 27, 1937.

Ser. No. 388,594. HERMAN PLAUT, New York, N. Y. Filed Feb. 5, 1937.

The Flower of the Month

The word "Flower" is disclaimed.
For Artificial Flowers.
Claims use since Jan. 27, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 360,061. EDWIN E. BERLINER & CO., New York, N. Y. Filed Jan. 9, 1935.

Alltyme Crepe

The word "Crepe" is disclaimed apart from the mark.
For Rayon Piece Goods.
Claims use since Oct. 11, 1934.

Ser. No. 374,183. DONNELLY GARMENT COMPANY, Kansas City, Mo. Filed Jan. 28, 1936.

NELDA CREPE

The word "Crepe" is disclaimed apart from the mark.
For Piece Goods of Cotton, Wool, Silk, Rayon, and Linen, and Combinations Thereof.
Claims use since October, 1933.

Ser. No. 380,436. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed June 30, 1936.

Hat-Box Fabric

The word "Fabric" is disclaimed apart from the mark.
For Pile Fabrics in the Piece, Said Pile Fabrics Having a Pile of Artificial Silk.
Claims use since June 24, 1936.

Ser. No. 388,026. E. SCHWARZ COMPANY, New York, N. Y. Filed Jan. 21, 1937.

palmetto cloth

The word "Cloth" is disclaimed apart from the mark.
For Cotton Piece Goods.
Claims use since Jan. 11, 1937.

Ser. No. 388,128. ELDER MANUFACTURING COMPANY, St. Louis, Mo. Filed Jan. 25, 1937.

TUFFEROY

For Cotton Pile Fabrics in the Piece and in the Bolt.
Claims use since Dec. 1, 1936.

Ser. No. 389,612. A. MARGOLIN & BROS. INC., New York, N. Y. Filed Mar. 3, 1937.



The word "Tweeds" is disclaimed apart from the mark.
For Textile Fabrics of All Types and Styles—Namely, Cotton Piece Goods, Tropical Worsteds, Mixed Wool, Silk, and Cotton Fabrics.
Claims use since June 15, 1936.

Ser. No. 389,834. M. LOWENSTEIN & SONS, INC., New York, N. Y. Filed Mar. 9, 1937.

EDDINGTON



The word "Eddington" is disclaimed apart from the mark as shown.
For Piece Goods of Linen, Cotton, Linen and Cotton, Cotton and Wool, and Mohair.
Claims use since Dec. 1, 1936.

Ser. No. 390,214. INDEPENDENT MERCHANDISING CORP., New York, N. Y. Filed Mar. 18, 1937.

Loomcraft

For Blankets.
Claims use since Nov. 1, 1936.

Ser. No. 390,215. INDEPENDENT MERCHANDISING CORP., New York, N. Y. Filed Mar. 18, 1937.

Restrite

For Cotton Piece Goods.
Claims use since Nov. 1, 1936.

Ser. No. 390,220. FELIX LILIENTHAL & CO. INC., New York, N. Y. Filed Mar. 18, 1937.

Royalty
PRINTS

The word "Prints" is disclaimed except as shown.
For Silk and Rayon Piece Goods.
Claims use since Nov. 1, 1936.

Ser. No. 390,384. WM. SIMPSON, SONS & CO., Philadelphia, Pa. Filed Mar. 22, 1937.

SEERESS

For Cotton Goods in the Piece.
Claims use since Feb. 17, 1932.

Ser. No. 390,713. ROTH FABRICS CORPORATION, New York, N. Y. Filed Mar. 30, 1937.

Top of the Town Prints

The word "Prints" is disclaimed apart from the mark.
For Silk and Artificial Silk Fabrics in the Piece.
Claims use since Mar. 5, 1937.

Ser. No. 390,774. BOTANY WORSTED MILLS, Passaic, N. J. Filed Apr. 1, 1937.

Chinka

For Woolen Piece Goods.
Claims use since Nov. 17, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 389,622. STIM-O-VAC MANUFACTURING CO., Oklahoma City, Okla. Filed Mar. 3, 1937.

Stim-O-Vac

For Vacuum Massage Device.
Claims use since July 1, 1932.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 386,903. NATURAL APPLE JUICE CO., INC., New York, N. Y. Filed Dec. 18, 1936.



The representation of the label is disclaimed.
For Nonalcoholic Beverages, Particularly Apple Juice.
Claims use since Sept. 9, 1936.

Ser. No. 386,985. BENJAMIN I. DVORMAN, doing business as Midwest Products Company, Detroit, Mich. Filed Dec. 21, 1936.

Ry-Bru

For Carbonated Nonalcoholic Maltless Beverage.
Claims use since Sept. 12, 1936.

Ser. No. 389,702. TOM TUCKER BEVERAGE COMPANY, Pittsburgh, Pa. Filed Mar. 5, 1937.

alky

For Non-Alcoholic, Maltless, Carbonated, and Uncarbonated Beverages Sold as Soft Drinks and Syrups and Extracts Used in Making the Same.
Claims use since Feb. 1, 1935.

Ser. No. 389,844. NATIONAL NUGRAPE CO., Atlanta, Ga. Filed Mar. 9, 1937.

ROSE BUD

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and for Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Mar. 1, 1937.

Ser. No. 390,043. CANADA DRY GINGER ALE, INC., New York, N. Y. Filed Mar. 15, 1937.

Sport

THE DRINK WITH A REASON

"It's Gingervating"

The word "Drink" is disclaimed apart from the mark.
For Soft Drinks.
Claims use since Feb. 18, 1937.

Ser. No. 390,557. LESLIE C. ORLANDI, doing business as The Lifto Company, San Francisco, Calif. Filed Mar. 26, 1937.

Lifto

For Maltless Soft Drinks.
Claims use since Jan. 2, 1937.

Ser. No. 390,709. RICHMOND COCA-COLA BOTTLING WORKS, INC., Richmond, Va. Filed Mar. 30, 1937.

ACES-UP

For Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since Mar. 1, 1932.

Ser. No. 390,736. MARY RUTH MCCULLOUGH, Chattanooga, Tenn. Filed Mar. 31, 1937.

DYNAMITE

For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since Sept. 29, 1936.

Ser. No. 390,877. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y. Filed Apr. 2, 1937.

MERRY-MAKER

For Maltless Soft Drinks and Concentrates for Making Same.
Claims use since July 21, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 374,902. PECK-O-FUN CO., Chicago, Ill. Filed Feb. 15, 1936.

PECK-O-FUN
A Bushel of Health

The word "Health" is disclaimed apart from the mark.
For Confection Composed of Candy, Candied Popcorn, and Candied Peanuts.
Claims use since Feb. 13, 1936.

Ser. No. 375,093. THE CHARLESTON MILLING & PRODUCE COMPANY, now by change of name Charleston Milling Company, Charleston, W. Va. Filed Mar. 7, 1936.

L.B. & B.

For Wheat Flour.
Claims use since July, 1935.

Ser. No. 376,111. YECKES BROS., INC., New York, N. Y. Filed Mar. 17, 1936.



QUALITY BIRDS

The word "Quality" is disclaimed apart from the mark.
The drawing is lined for blue, green, and yellow.
For Fresh Vegetables, Fresh Deciduous Fruits, and Fresh Citrus Fruits.
Claims use since October, 1934.

Ser. No. 380,533. THE SUSU NUT CO., Chicago, Ill. Filed July 2, 1936.

NutSnax

The word "Nut" is disclaimed apart from the mark.
For Coated and Uncoated Nut Meats, and Candies.
Claims use since June 19, 1936.

Ser. No. 380,534. THE SUSU NUT CO., Chicago, Ill. Filed July 2, 1936.

SweetSnax

The word "Sweet" is disclaimed apart from the mark.
For Coated and Uncoated Nut Meats, and Candies.
Claims use since June 19, 1936.

Ser. No. 381,923. VENICE MAID CO. INC., Vineland, N. J. Filed Aug. 7, 1936.

The words "Redy-Maid" are disclaimed apart from the mark. The drawing is lined for red, green, yellow, blue, and buff.
For Spagetti Sauce.
Claims use since July 30, 1936.

Ser. No. 382,247. TIMOLÉON DE FORNIER, Courbevoie, France. Filed Aug. 15, 1936.

KIPIC

For Aeromatized Liquids Prepared by Macerating Aeromatic Plants in White Wine and Vinegar for Use in Seasoning Foods.
Claims use since Jan. 19, 1935.

Ser. No. 382,543. WISCONSIN CHEESE PUBLICITY ASSOCIATION, INC., Kiel, Wis. Filed Aug. 24, 1936.

WISPRIDE

For Cheese.
Claims use since July 20, 1936.

Ser. No. 384,969. C. H. MCKELLIPS, doing business as McDavid Citrus Packing Co., Mesa, Ariz. Filed Oct. 30, 1936.



For Fresh Citrus Fruit.
Claims use since Jan. 11, 1936.

Ser. No. 387,125. GROCERY PRODUCTS MANUFACTURING CORPORATION, New York, N. Y. Filed Dec. 24, 1936.

Edw. H. Jacob

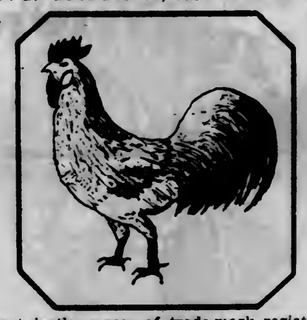
Trade-mark consists of a facsimile of the signature of Edward H. Jacob, president of applicant's predecessors in title.
For Canned Mushrooms.
Claims use since 1920.

Ser. No. 387,278. HILDEBRAND KAKAO UND SCHOKOLADENFABRIK G. M. B. H., Berlin, Germany. Filed Dec. 30, 1936.

SCHOKAKOLA

For Cocoa, Chocolate, and Pralines.
Claims use since Apr. 10, 1936.

Ser. No. 389,059. EPPENS, SMITH COMPANY, INC., New York, N. Y. Filed Feb. 18, 1937.



Applicant is the owner of trade-mark registration No. 76,088, dated December 14, 1909.
For Tea.
Claims use since 1899.

Ser. No. 389,580. WARREN BAKING COMPANY, Warren Borough, Pa. Filed Mar. 2, 1937.

Bill's

For Cookies.
Claims use since October, 1925.

Ser. No. 389,608. THE HAMPTON CRACKER COMPANY, INC., doing business as Honor Maid Bakers, Louisville, Ky. Filed Mar. 3, 1937.

HONOR-MAID

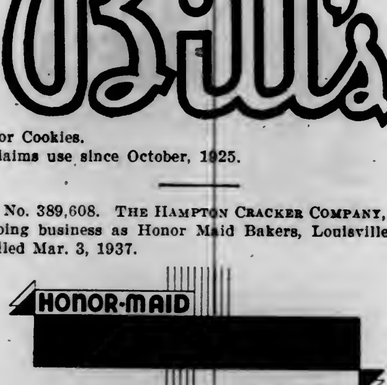
For Soda, Graham, and Other Crackers.
Claims use since Feb. 10, 1937.

Ser. No. 389,772. EDWARD BARBERA, doing business as Andrew Barbera Co., San Francisco, Calif. Filed Mar. 8, 1937.

ABC
ARBERA
NDREW

For Fresh Fruits and Vegetables, Tokay Grapes and Bartlett Pears, Particularly.
Claims use since November, 1935.

Ser. No. 390,067. HOUSTON MILLING COMPANY, Houston, Tex. Filed Mar. 15, 1937.



The picture is fanciful.
For Wheat Flour.
Claims use since Apr. 9, 1923.

Ser. No. 390,116. DOTHAN OIL MILL COMPANY, Dothan, Ala. Filed Mar. 16, 1937.

DOMCO

For Cooking Oil and Peanut Butter.
Claims use since March, 1934.

Ser. No. 390,305. BOYD-KELSO MILLING CO., doing business as Boyd-Kelso Grain & Mlg. Co., Joplin, Mo. Filed Mar. 20, 1937.

KING
HIGH PATENT
JACK

The words "High Patent" are disclaimed apart from the mark.
For Wheat Flour.
Claims use since 1901.

Ser. No. 390,372. RETHA MAE LAFACE, Spokane, Wash. Filed Mar. 22, 1937.

NooDo Krunch

For Noodle Compound Similar to Potato Chips.
Claims use since June, 1934.

Ser. No. 390,397. YUMA MESA FRUIT GROWERS ASSN., Yuma, Ariz. Filed Mar. 22, 1937.

DESERT PRINCE

For Fresh Citrus Fruit.
Claims use since Mar. 8, 1937.

Ser. No. 390,408. THE BORDEN COMPANY, New York, N. Y. Filed Mar. 23, 1937.

Biolac

The representation of the baby is fanciful. The representation of a label is disclaimed apart from the mark.
For Milk Food for Infants.
Claims use since Dec. 19, 1936.

Ser. No. 390,420. JOE LOWE CORPORATION, New York, N. Y. Filed Mar. 23, 1937.

FROSTIES

For Fancy Cakes Made From Doughnut Flour.
Claims use since Feb. 18, 1937.

Ser. No. 390,451. HARTZ MOUNTAIN PRODUCTS INC., New York, N. Y. Filed Mar. 24, 1937.

HARTZ MASTER

For Bird Food.
Claims use since Feb. 15, 1937.

Ser. No. 390,472. SHEDD PRODUCTS COMPANY, Detroit, Mich. Filed Mar. 24, 1937.



For Salad Dressing.
Claims use since Jan. 23, 1937.

Ser. No. 390,517. A. GOODMAN & SONS, INC., New York, N. Y. Filed Mar. 25, 1937. Under 10-year proviso.

GOODMAN'S

For Macaroni, Spaghetti, Noodles.
Claims use since January, 1890.

Ser. No. 390,607. REDLANDS ORANGEDALE ASSOCIATION, Redlands, Calif. Filed Mar. 27, 1937.



The outline of a label is disclaimed.
For Fresh Citrus Fruit Only.
Claims use since Feb. 4, 1937.

Ser. No. 390,735. GATES A. HALFIN, doing business as National Pet Supply Co. and National Pet Shop, St. Louis, Mo. Filed Mar. 31, 1937.



For Bird Seed.
Claims use since Mar. 1, 1937.

Ser. No. 390,892. AMERICAN SALT CORPORATION, Chicago, Ill. Filed Apr. 3, 1937.



For Butter Salt.
Claims use since Oct. 29, 1930.

Ser. No. 391,026. KWIKBRED FLOUR COMPANY, Philadelphia, Pa. Filed Apr. 7, 1937.

ZY-VO

For Processed Wheat Flour and Bread Made from the Same.
Claims use since Mar. 1, 1937.

CLASS 48

Malt Beverages and Liquors

Ser. No. 390,726. DIAMOND GINGER ALE, INC., Waterbury, Conn. Filed Mar. 31, 1937.

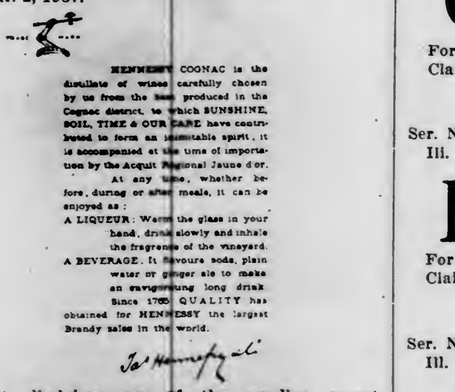
DIAMOND
Gold

For Ale and Malt Beverages.
Claims use since Dec. 1, 1936.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 389,573. SCHIEFFELIN & Co., New York, N. Y. Filed Mar. 2, 1937.



Applicant disclaims any of the wording except "Hennessy" and the facsimile signature.
For Brandy.
Claims use since Dec. 5, 1933.

Ser. No. 389,746. PENNLAND DISTRIBUTING CORP., New York, N. Y. Filed Mar. 6, 1937.



The words "Empire State" are disclaimed apart from the mark.
For Whiskey.
Claims use since Apr. 24, 1934.

Ser. No. 391,157. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 9, 1937.

Greyfriars

For Whiskey.
Claims use since Mar. 10, 1937.

Ser. No. 391,158. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 9, 1937.

Royal Piper

For Whiskey.
Claims use since Mar. 10, 1937.

Ser. No. 391,159. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 9, 1937.

BARLEY DEW

For Whiskey.
Claims use since Mar. 10, 1937.

Ser. No. 391,160. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 9, 1937.

Old Plaid

For Whiskey.
Claims use since Mar. 10, 1937.

Ser. No. 391,161. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 9, 1937.

Little Vat

For Whiskey.
Claims use since Mar. 10, 1937.

Ser. No. 391,162. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 9, 1937.

Tattersal

For Whiskey.
Claims use since Mar. 10, 1937.

Ser. No. 391,225. KASKO DISTILLERS PRODUCTS CORP., Philadelphia, Pa. Filed Apr. 12, 1937.

My FRIEND

For Whiskey.
Claims use since Apr. 25, 1935.

Ser. No. 391,232. LIQUOR DEALERS SUPPLY CO., Chicago, Ill. Filed Apr. 12, 1937.

Loma Grande

For Rock and Rum Liqueur, Peach Liqueur, Rock and Rye Liqueur, Apricot Liqueur, Blackberry Liqueur, Cherry Liqueur, Orange Gin, Distilled Dry Gin, Sloe Gin, Orange Flavored Gin, Kuemmel, Peppermint Schnapps Cordial, and California Brandy.
Claims use since 1900.

Ser. No. 391,233. LIQUOR DEALERS SUPPLY CO., Chicago, Ill. Filed Apr. 12, 1937.

SANDY SCOT

For Blended Scotch Type Whiskey.
Claims use since Feb. 25, 1937.

Ser. No. 391,367. LIBERTY DISTRIBUTORS, INC., Dundalk, Md. Filed Apr. 16, 1937.

Walbrook

For Pure Rye Whiskey.
Claims use since Jan. 28, 1937.

Ser. No. 391,370. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y. Filed Apr. 15, 1937. Under 10-year proviso.

Austin, Nichols & Co.
(INCORPORATED)

For Whiskey.
Claims use since Jan. 1, 1879.

Ser. No. 391,392. LIQUOR DEALERS SUPPLY CO., Chicago, Ill. Filed Apr. 15, 1937.

DIANE

For Apricot Liqueur, Rock and Rum Liqueur, Rock and Rye Liqueur, White Orange Liqueur, Sloe Gin, Peppermint Schnapps Cordial, Peach Liqueur, Cherry Liqueur, Blackberry Liqueur, Orange Flavored Gin, Kuemmel, Crème de Menthe, and Crème de Cocao.
Claims use since Jan. 11, 1935.

Ser. No. 391,575. HEARN DEPARTMENT STORES, INC., New York, N. Y. Filed Apr. 20, 1937.

VOISIN

For Brandy.
Claims use since Sept. 7, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 389,447. BARGE ELECTRIC SHOE CEMENT PRESS, INC., New York, N. Y. Filed Feb. 27, 1937.

HILOPAD

For Lasts and Parts Thereof Used in Connection with the Manufacture and Repair of Boots and Shoes.
Claims use since Aug. 20, 1936.

Ser. No. 390,618. ANCHOR CAP & CLOSURE CORPORATION, Long Island City, N. Y. Filed Mar. 29, 1937.

PILOT

For Closure Caps.
Claims use since Jan. 13, 1932.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 25, 1937

346,323. CLOTHES WASHING SOAP. GORDON-ALLEN LTD., Oakland, Calif.
Filed June 12, 1935. Serial No. 366,096. PUBLISHED MARCH 9, 1937. Class 4.

346,324. SHEETS AND PILLOWCASES. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed September 24, 1935. Serial No. 369,661. PUBLISHED MARCH 16, 1937. Class 42.

346,325. THREAD AND YARN OF ARTIFICIAL ORIGIN. AMERICAN BEMBERG CORPORATION, New York, N. Y.
Filed January 9, 1936. Serial No. 373,478. PUBLISHED MARCH 16, 1937. Class 43.

346,326. ABRASIVE IMPLEMENTS SUCH AS ABRASIVE GRINDING WHEELS AND STONES, ABRASIVE CUTTING WHEELS AND STONES, ABRASIVE POLISHING AND CLEANING WHEELS AND STONES, AND THE LIKE. BAKELITE CORPORATION, New York, N. Y.
Filed January 10, 1936. Serial No. 373,516. PUBLISHED MARCH 9, 1937. Class 4.

346,327. WOMEN'S HOSIERY. ARTCRAFT SILK HOSIERY MILLS, INC., Philadelphia, Pa.
Filed February 3, 1936. Serial No. 374,394. PUBLISHED MARCH 16, 1937. Class 39.

346,328. RAZOR BLADES. CHARLES GREEN, doing business as Charles Green Sales Company, New York, N. Y.
Filed February 15, 1936. Serial No. 374,884. PUBLISHED APRIL 7, 1936. Class 23.

346,329. WHITE SHOE CLEANER. SHU-MILK PRODUCTS CORPORATION, Passaic, N. J.
Filed February 21, 1936. Serial No. 375,101. PUBLISHED MARCH 9, 1937. Class 4.

346,330. ALCOHOLIC BITTERS. W. KOERNER & Co., Cunnersdorf, Germany.
Filed May 21, 1936. Serial No. 378,696. PUBLISHED MARCH 16, 1937. Class 49.

346,331. FERROUS METAL IN PIGS, METAL CASTINGS, AND FORGINGS, IN THE ROUGH, SEMI-FINISHED, AND FINISHED. WORTHINGTON PUMP AND MACHINERY CORPORATION, Harrison, N. J., assignor to The Worthington Pump and Machinery Corporation, a corporation of Delaware.
Filed July 11, 1936. Serial No. 380,938. PUBLISHED MARCH 16, 1937. Class 14.

346,332. PASSENGER AUTOMOBILES AND MOTOR TRUCKS. FORD MOTOR SALES COMPANY, Dearborn and Highland Park, Mich.
Filed July 18, 1936. Serial No. 381,156. PUBLISHED MARCH 16, 1937. Class 19.

346,333. EYEGLASSES FOR SPORTING PURPOSES. E. B. MEYROWITZ, INC., New York, N. Y.
Filed July 18, 1936. Serial No. 381,164. PUBLISHED MARCH 16, 1937. Class 26.

346,334. ALLOYED ALUMINUM SHEETS, RODS, BARS, BLOCKS, RAILS, AND ROLLED, WROUGHT, CAST, OR PRESSED SHAPES. THE NICRALUMIN COMPANY, Jackson, Mich.
Filed July 17, 1936. Serial No. 381,281. PUBLISHED MARCH 16, 1937. Class 14.

346,335. OVERALLS, OVERALL JACKETS, MEN'S, WOMEN'S, AND CHILDREN'S PANTS, DOCTORS' AND NURSES' UNIFORMS, PAJAMAS AND NIGHT SHIRTS AND GOWNS FOR MEN, WOMEN, AND CHILDREN, ETC. CLAUDIUS M. PETTY, doing business as Superior Garment Manufacturing Company, Wilkesboro, N. C.
Filed July 23, 1936. Serial No. 381,376. PUBLISHED MARCH 16, 1937. Class 39.

346,336. CONTAINERS MADE FROM MOLDED PULP FOR BAKING OR SERVING HOT FOODS OR LIQUIDS. KEYES FIBRE COMPANY, Waterville, Maine.
Filed August 3, 1936. Serial No. 381,766. PUBLISHED MARCH 16, 1937. Class 2.

346,337. WOMEN'S STRAW HATS AND FELT HATS OF ALL STYLES. SIDNEY FRUHMAN, Dallas, Tex.
Filed August 4, 1936. Serial No. 381,806. PUBLISHED MARCH 16, 1937. Class 39.

346,338. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed August 15, 1936. Serial No. 382,223. PUBLISHED MARCH 16, 1937. Class 39.

346,339. SURGICAL NEEDLES. DAVIS & GECK, INC., Brooklyn, N. Y.
Filed August 20, 1936. Serial No. 382,378. PUBLISHED MARCH 16, 1937. Class 44.

346,340. WINES. COMEX TRADING COMPANY INCORPORATED, New York, N. Y.
Filed September 11, 1936. Serial No. 383,124. PUBLISHED MARCH 16, 1937. Class 47.

346,341. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. NARRAGANSETT BREWING COMPANY, Cranston, R. I.
Filed September 12, 1936. Serial No. 383,176. PUBLISHED MARCH 16, 1937. Class 48.

346,342. BEARD SOFTENER FOR SHAVING. NICOLA FUSCO, doing business as E-Z-E Shave Manufacturing Co., Brooklyn, N. Y.
Filed September 22, 1936. Serial No. 383,502. PUBLISHED MARCH 16, 1937. Class 4.

346,343. ELECTRIC FLOOR MACHINES. FAY T. KENT, doing business as Fay Company, New York, N. Y.
Filed September 25, 1936. Serial No. 383,630. PUBLISHED MARCH 16, 1937. Class 21.

346,344. CANNED MEATS—NAMELY, CORNED BEEF, BRISKET-BEEF, BEEF TONGUES, CALF TONGUES, SHEEP TONGUES, OX-TAILS, ETC. FRIGORIFICO NACIONAL OF MONTEVIDEO, Montevideo, Uruguay.
Filed September 26, 1936. Serial No. 383,679. PUBLISHED MARCH 16, 1937. Class 46.

346,345. LADIES' AND MISSES' CHEMISES, NEGLIGEES, COSTUME SLIPS, PANTIES, BRASSIÈRES, BLOOMERS, NIGHTGOWNS, AND PAJAMAS. WESTERN UNDERWEAR CO., INC., New York, N. Y.
Filed October 13, 1936. Serial No. 384,306. PUBLISHED MARCH 16, 1937. Class 39.

346,346. LADIES' AND MISSES' CHEMISES, NEGLIGEES, COSTUME SLIPS, PANTIES, BRASSIÈRES, BLOOMERS, NIGHTGOWNS, AND PAJAMAS. WESTERN UNDERWEAR CO., INC., New York, N. Y.
Filed October 13, 1936. Serial No. 384,307. PUBLISHED MARCH 16, 1937. Class 39.

346,347. MOLDING POWDERS AND PLASTIC AND SYNTHETIC RESINOUS MATERIALS. HERESITE & CHEMICAL COMPANY, Manitowoc, Wis.
Filed October 22, 1936. Serial No. 384,660. PUBLISHED MARCH 16, 1937. Class 1.

346,348. WHISKEY, GIN, AND CORDIALS. E. O. JACKSON DISTILLING CO., Chicago, Ill.
Filed October 19, 1936. Serial No. 384,686. PUBLISHED MARCH 16, 1937. Class 49.

346,349. COTTON BATH MATS AND TOILET-SEAT COTTON LID-COVERS. COLORBRITE TEXTILES, INC., New York, N. Y.
Filed October 23, 1936. Serial No. 384,729. PUBLISHED MARCH 16, 1937. Class 42.

346,350. RUM. J. H. CERECEDO, doing business as J. H. Cerecedo Co., Chicago, Ill.
Filed October 26, 1936. Serial No. 384,785. PUBLISHED MARCH 16, 1937. Class 49.

346,351. WOMEN'S AND MISSES' FROCKS, DRESSES, SMOCKS, WRAP-AROUND DRESSES, HOUSE AND HOSTESS COATS, LOUNGING ROBES OR FIRESIDE COATS, AND GARMENTS FOR BEACH WEAR CONSISTING OF SHORTS, COVERING COATS, AND WAISTS MADE OF COTTON, LINEN, AND SYNTHETIC FABRIC. BARMON BROTHERS COMPANY INC., Buffalo, N. Y.
Filed October 31, 1936. Serial No. 384,989. PUBLISHED MARCH 16, 1937. Class 39.

346,352. WRITING AND PRINTING PAPER. STRATHMORE PAPER COMPANY, West Springfield, Mass.
Filed October 31, 1936. Serial No. 385,012. PUBLISHED JANUARY 26, 1937. Class 37.

346,353. NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS. NORTHWEST, INC., Portland, Oreg.
Filed November 2, 1936. Serial No. 385,056. PUBLISHED MARCH 16, 1937. Class 45.

346,354. COOKIES. LOUISE PFUHL AND KARL H. PFUHL, Rochelle Park, N. J.
Filed November 2, 1936. Serial No. 385,061. PUBLISHED MARCH 16, 1937. Class 46.

346,355. KITES. JOHN FRIER, doing business as Alox Manufacturing Company, Wellston, Mo.
Filed November 3, 1936. Serial No. 385,109. PUBLISHED MARCH 16, 1937. Class 22.

346,356. SMOKED CURED HAMS, BREAKFAST BACON, BOLOGNA, PICNICS, BACON SQUARES, BEEF, BUTTER, CHEESE, LARD SUBSTITUTE, AND EGGS. EAST TENNESSEE PACKING COMPANY, Knoxville, Tenn.
Filed November 4, 1936. Serial No. 385,139. PUBLISHED MARCH 16, 1937. Class 46.

346,357. IMITATION SAUSAGES MADE OF SOME NON-EDIBLE MATERIAL. H. FISHLOVE & Co., Chicago, Ill.
Filed November 6, 1936. Serial No. 385,221. PUBLISHED MARCH 16, 1937. Class 22.

346,358. AMUSEMENT APPARATUS CONSISTING OF MULTIPLE DISCS. TEN-O-WIN AMUSEMENT COMPANY, San Francisco, Calif.
Filed November 9, 1936. Serial No. 385,314. PUBLISHED MARCH 16, 1937. Class 22.

346,359. READY MIXED PAINTS AND PAINTS IN PASTE AND IN POWDER FORM, VARNISH, PAINT ENAMEL, AND THINNERS FOR READY MIXED AND PASTE PAINTS. THE MAHONING PAINT & OIL COMPANY, Youngstown, Ohio.
Filed November 10, 1936. Serial No. 385,361. PUBLISHED MARCH 16, 1937. Class 16.

346,360. FRICTIONAL ELEMENTS FOR BRAKES AND CLUTCHES, AND FAN BELTS, RADIATOR HOSE, AND GENERATOR COUPLINGS MADE PARTLY OF RUBBER. AMERICAN BRAKEBLOK CORPORATION, New York, N. Y., and Detroit, Mich.
Filed November 14, 1936. Serial No. 385,503. PUBLISHED MARCH 16, 1937. Class 35.

346,361. PICKLES AND SWEET PICKLE RELISHES. MOUNT OLIVE PICKLE CO., INC., doing business as Wayne Packing Co., Mount Olive, N. C.
Filed November 17, 1936. Serial No. 385,635. PUBLISHED MARCH 16, 1937. Class 46.

346,362. TRAFFIC BUTTON. JOHN W. SHAFFER & COMPANY, Minneapolis, Minn.
Filed November 19, 1936. Serial No. 385,754. PUBLISHED MARCH 16, 1937. Class 50.

346,363. CLEANER FOR WEB OR CANVAS EQUIPMENT. JAMES M. JORGENSEN, doing business as Inspecto Company of America, Los Angeles, Calif.
Filed November 20, 1936. Serial No. 385,792. PUBLISHED MARCH 9, 1937. Class 4.

346,364. WHISKY. DUNCAN WESTON & SON LIMITED, London, England.
Filed November 20, 1936. Serial No. 385,816. PUBLISHED MARCH 16, 1937. Class 49.

346,365. FROZEN SHRIMP. TEXAS FISHERIES, Galveston, Tex.
Filed November 23, 1936. Serial No. 385,914. PUBLISHED MARCH 16, 1937. Class 46.

346,366. SILK CLOTH, TAFFETA WEAVE, IN THE PIECE. TOBLER, ERNST & TRABER, INC., New York, N. Y.
Filed November 23, 1936. Serial No. 385,915. PUBLISHED MARCH 16, 1937. Class 42.

346,367. VEHICLE ELECTRIC DIRECTIONAL SIGNALS AND VEHICLE ELECTRIC LAMPS AND LIGHTS. ELMA PRODUCTS COMPANY, Norwalk, Conn.
Filed November 27, 1936. Serial No. 385,957. PUBLISHED MARCH 16, 1937. Class 21.

346,368. MEN'S AND BOYS' HATS AND CAPS AND LADIES' HATS. THE LA SALLE HAT COMPANY, Philadelphia, Pa.
Filed November 27, 1936. Serial No. 386,036. PUBLISHED MARCH 16, 1937. Class 39.

346,369. GLASS CLEANING PREPARATIONS. WIZARD, INC., Chicago, Ill.
Filed November 30, 1936. Serial No. 386,134. PUBLISHED MARCH 9, 1937. Class 4.

346,370. FOLDING WASH BASINS AND WATER-BUCKETS, WALL-POCKETS, MATCH-BOXES, FRICTION-TOP CANS, FRICTION-TOP TINS, SALT AND PEPPER SHAKERS OF WOOD AND NON-PRECIOUS METAL, CANTEENS, DRINKING FLASKS, PICNIC BASKETS, BUCKETS, RECEPTACLES FOR FIRE WOOD, BEVERAGE TRAYS, JARS AND BOXES FOR TOBACCO, CIGARS, AND CIGARETTES; THERMIC ICE CONTAINERS, THERMIC BOTTLES AND JUGS. ABERCROMBIE & FITCH COMPANY, New York, N. Y.
Filed December 1, 1936. Serial No. 386,137. PUBLISHED MARCH 16, 1937. Class 2.

346,371. RUCKSACKS, DUFFLE BAGS, FOOD-BAGS AND FOOD CONTAINERS, CARRYALLS, ALFORJAS, VALISE-PACKS, PANNIERS, BRIEF CASES, PACKCLOTHS, ETC. ABERCROMBIE & FITCH COMPANY, New York, N. Y.
Filed December 1, 1936. Serial No. 386,138. PUBLISHED MARCH 16, 1937. Class 3.

346,372. ASHTRAYS, CIGAR AND TOBACCO HUMIDORS, PIPES, CIGAR AND CIGARETTE HOLDERS, PIPE RACKS, TOBACCO POUCHES, CIGARETTE AND CIGAR CASES OF BASE METAL, PIPE CLEANERS, AND REAMERS. ABERCROMBIE & FITCH COMPANY, New York, N. Y.
Filed December 1, 1936. Serial No. 386,139. PUBLISHED MARCH 16, 1937. Class 8.

346,373. MEN'S AND WOMEN'S SUITS, COATS, VESTS, TROUSERS, OUTER SHIRTS, BLOUSES, JACKETS, OVERCOATS, PONCHOS, CAPES, TOQUES, ETC. ABERCROMBIE & FITCH COMPANY, New York, N. Y.
Filed December 1, 1936. Serial No. 386,141. PUBLISHED MARCH 16, 1937. Class 39.

346,374. ZINC COATED WIRE. BETHLEHEM STEEL COMPANY, Bethlehem, Pa.
Filed December 1, 1936. Serial No. 386,145. PUBLISHED MARCH 16, 1937. Class 14.

346,375. PRESERVATIVES OR DRESSINGS FOR LEATHER. THE KEPEC COMPANY, Milwaukee, Wis.
Filed December 19, 1936. Serial No. 386,949. PUBLISHED MARCH 9, 1937. Class 4.

346,376. ALUMINUM WELDING RODS AND ELECTRODES. RICHARD J. WOOLDRIDGE, Glastonbury, Conn.
Filed December 18, 1936. Serial No. 386,921. PUBLISHED MARCH 16, 1937. Class 14.

346,377. CANNED CITRUS JUICES FOR FOOD PURPOSES. CITRUS PRODUCTS INC., Los Angeles, Calif.
Filed December 17, 1936. Serial No. 386,848. PUBLISHED MARCH 16, 1937. Class 46.

346,378. SHOES OF LEATHER AND FABRIC, AND A COMBINATION OF THESE MATERIALS. ORTHOPEDIC SHOES, INC., Portsmouth, Ohio.
Filed December 14, 1936. Serial No. 386,738. PUBLISHED MARCH 16, 1937. Class 39.

346,379. TRAILERS. KABIN KOACH COMPANY, East Detroit, Mich.
Filed December 14, 1936. Serial No. 386,731. PUBLISHED MARCH 16, 1937. Class 19.

346,380. BED SPRINGS AND MATTRESSES. GREENPOINT METALLIC BED COMPANY, INC., Brooklyn, N. Y.
Filed December 14, 1936. Serial No. 386,708. PUBLISHED MARCH 16, 1937. Class 32.

346,381. CHROMIUM POLISH WHICH ALSO REMOVES RUST. RUSCO MANUFACTURING CO., Milwaukee, Wis.
Filed December 12, 1936. Serial No. 386,696. PUBLISHED MARCH 9, 1937. Class 4.

346,382. SALT AND PEPPER SHAKERS. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio.
Filed December 11, 1936. Serial No. 386,657. PUBLISHED MARCH 2, 1937. Class 2.

346,383. CIGARETTES AND CIGARS. CARIOCA ENTERPRISES CORPORATION, New York, N. Y.
Filed December 11, 1936. Serial No. 386,632. PUBLISHED MARCH 16, 1937. Class 17.

346,384. WHEAT FLOUR. BAY STATE MILLING COMPANY, Winona, Minn.
Filed December 11, 1936. Serial No. 386,629. PUBLISHED MARCH 9, 1937. Class 46.

346,385. LABELS, NAME TAPES, AND TAGS. SUPREME LABEL CO., INC., New York, N. Y.
Filed December 10, 1936. Serial No. 386,607. PUBLISHED MARCH 16, 1937. Class 37.

346,386. STATIONERY CONSISTING OF WRITING PAPER IN THE FORM OF POUND GOODS AS WELL AS REAM GOODS, ENVELOPES, AND PAPETERIES. EATON PAPER CORPORATION, Pittsfield, Mass.
Filed December 10, 1936. Serial No. 386,582. PUBLISHED MARCH 16, 1937. Class 37.

346,387. TRANSPARENT, COLORED OR UNCOLORED, SLIGHTLY EXTENSIBLE FILM, SHEET OR STRIP, COMPOSED ENTIRELY OR LARGELY OF A RUBBER DERIVATIVE FOR WRAPPING, PACKAGING, AND COVERING. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed December 9, 1936. Serial No. 386,539. PUBLISHED MARCH 16, 1937. Class 50.

346,388. CANNED VEGETABLES. HILLSBORO-QUEEN ANNE COOPERATIVE CORPORATION, Baltimore, Md.
Filed December 8, 1936. Serial No. 386,490. PUBLISHED MARCH 16, 1937. Class 46.

346,389. WOMEN'S, MISSES', AND CHILDREN'S COATS. JUSTIN MCCARTY, INC., Dallas, Tex.
Filed December 7, 1936. Serial No. 386,436. PUBLISHED MARCH 16, 1937. Class 39.

346,390. CARDS FOR AN AMUSEMENT GAME PLAYED IN THE MANNER OF BINGO. HOLLYWOOD AMUSEMENT COMPANY, INC., Chicago, Ill.
Filed December 2, 1936. Serial No. 386,210. PUBLISHED MARCH 16, 1937. Class 22.

346,391. NON-ELECTRICAL HAIR WAVERS. THE B. FRANKEL CO., INC., New York, N. Y.
Filed December 23, 1936. Serial No. 387,063. PUBLISHED MARCH 16, 1937. Class 40.

346,392. FURNITURE CASTER WHEELS. THE BASSICK COMPANY, Bridgeport, Conn.
Filed December 24, 1936. Serial No. 387,104. PUBLISHED MARCH 16, 1937. Class 13.

346,393. NEWSPAPER SECTION. DAILY MIRROR, INC., New York, N. Y.
Filed December 24, 1936. Serial No. 387,117. PUBLISHED MARCH 9, 1937. Class 38.

346,394. LIFTING MECHANISM, MORE PARTICULARLY AUTOMOBILE LIFTS AND LIFTING JACKS. THE JOYCE-CRIDLAND CO., Dayton, Ohio.
Filed December 24, 1936. Serial No. 387,131. PUBLISHED MARCH 16, 1937. Class 23.

346,395. LUGGAGE—NAMELY, WARDROBES, FITTED LUGGAGE, OVERNIGHT CASES, WEEK-END CASES, HAT BOXES, EMPTY VANITY AND MAKE-UP CASES, AND UTILITY CASES. JACOB NEUMANN, doing business as Crown Luggage Co., Baltimore, Md.
Filed December 24, 1936. Serial No. 387,141. PUBLISHED MARCH 16, 1937. Class 3.

346,396. COMPOSITIONS FOR CLEANING, DRESSING, POLISHING SHEET MATERIALS IN THE NATURE OF SHOE LEATHER AND SHOE FABRICS WHICH COMPOSITIONS MAY HAVE INCIDENTAL COLORING PROPERTIES. WHITTEMORE BROS. CORP., Cambridge, Mass.
Filed December 24, 1936. Serial No. 387,155. PUBLISHED MARCH 9, 1937. Class 4.

346,397. JAR AND BOARD GAMES WHEREIN INDIVIDUAL ELEMENTS BEAR CONCEALED LEGENDING AND ARE RELATIVELY LOOSELY CONTAINED IN A JAR, VESSEL, OR THE LIKE, OR ARE SUITABLY SECURED TO A CARD OR BOARD, RESPECTIVELY. GAY GAMES, INCORPORATED, Muncie, Ind.
Filed December 28, 1936. Serial No. 387,161. PUBLISHED MARCH 16, 1937. Class 22.

346,398. COTTON, RAYON, ACETATE, AND SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed December 28, 1936. Serial No. 387,174. PUBLISHED MARCH 16, 1937. Class 42.

346,399. PIE MIX, CONSISTING OF PIE FILLER MIX AND PIE CRUST MIX. SQUIRE DINGEE COMPANY, Chicago, Ill.
Filed December 28, 1936. Serial No. 387,222. PUBLISHED MARCH 16, 1937. Class 46.

346,400. BOOK, COVER, AND PRINTING PAPERS. STRATHMORE PAPER COMPANY, West Springfield, Mass.
Filed December 28, 1936. Serial No. 387,224. PUBLISHED MARCH 16, 1937. Class 37.

346,401. WOOLLEN TEXTILE FABRICS IN THE PIECE. KABUSHIKI-KAISHA ITAMI SEIJUSHO, Itami, Itami-cho, Kawabe-gun, Prefecture of Hyogo, Japan.
Filed December 29, 1936. Serial No. 387,246. PUBLISHED MARCH 16, 1937. Class 42.

346,402. NURSING BOTTLES. THE KITCHEN KATCH-ALL CORPORATION, Greenwich, Ohio.
Filed December 29, 1936. Serial No. 387,247. PUBLISHED MARCH 16, 1937. Class 44.

346,403. GOGGLES AND PROTECTIVE GLASSES FOR PERSONAL WEAR FOR PROTECTION OF EYES. NEW YORK EYE PROTECTION CO., INC., Brooklyn, N. Y.
Filed December 29, 1936. Serial No. 387,252. PUBLISHED MARCH 16, 1937. Class 26.

346,404. WOVEN TEXTILE RUGS AND CARPETS. BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn.
Filed December 30, 1936. Serial No. 387,265. PUBLISHED MARCH 16, 1937. Class 42.

346,405. CARPETS AND RUGS. THE FIRTH CARPET CO., New York, N. Y.
Filed December 31, 1936. Serial No. 387,317. PUBLISHED MARCH 16, 1937. Class 42.

346,406. CARPETS AND RUGS. THE FIRTH CARPET CO., New York, N. Y.
Filed December 31, 1936. Serial No. 387,318. PUBLISHED MARCH 16, 1937. Class 42.

346,407. GAMES PLAYED WITH A BOARD AND MOVABLE PIECES. AUSTIN G. TODD, Kansas City, Mo.
Filed December 31, 1936. Serial No. 387,357. PUBLISHED MARCH 16, 1937. Class 22.

346,408. CAPS, CROWNS, COVERS FOR CONTAINERS AND CLOSURE STRUCTURES FOR OPENINGS IN METALLIC, GLASS, AND NON-METALLIC CONTAINERS AND PARTS THEREOF. CARVIN BOTTLE CAP CORPORATION, Brooklyn, N. Y.
Filed January 2, 1937. Serial No. 387,373. PUBLISHED MARCH 16, 1937. Class 50.

346,409. SURGICAL BELTS. RAYMOND'S, INC., Boston, Mass.
Filed January 2, 1937. Serial No. 387,395. PUBLISHED MARCH 16, 1937. Class 44.

346,410. BELT DRESSINGS. THE BLACK DIAMOND PAINT & VARNISH WORKS, INC., Cincinnati, Ohio.
Filed January 4, 1937. Serial No. 387,430. PUBLISHED MARCH 9, 1937. Class 4.

346,411. DRESS, NEGLIGEE, SPORT, AND WORK SHIRTS, NECKTIES OR CRAVATS, COLLARS, SCARFS, MUFFLERS, HOSIERY, HANDKERCHIEFS, GARTERS, ETC. MARION R. GRAY, doing business as Marion R. Gray Company, Los Angeles, Calif.
Filed January 4, 1937. Serial No. 387,448. PUBLISHED MARCH 16, 1937. Class 39.

346,412. NONALCOHOLIC BEVERAGE. ALLAN F. FODERINGHAM, doing business as La Fodham's Product Co., Brooklyn, N. Y.
Filed January 5, 1937. Serial No. 387,463. PUBLISHED MARCH 16, 1937. Class 45.

346,413. MEN'S AND LADIES' HATS AND CAPS. NEW YORK HAT & CAP CO., New York, N. Y.
Filed January 5, 1937. Serial No. 387,473. PUBLISHED MARCH 16, 1937. Class 39.

346,414. GABARDINE TOPCOATS FOR MEN, WOMEN, BOYS, AND GIRLS. THE ALLIGATOR COMPANY, St. Louis, Mo.
Filed January 6, 1937. Serial No. 387,486. PUBLISHED MARCH 16, 1937. Class 39.

346,415. WHISKEY. C. H. GRAVES AND SONS COMPANY, Boston, Mass.
Filed January 6, 1937. Serial No. 387,501. PUBLISHED MARCH 16, 1937. Class 49.

346,416. ATOMIZERS, VAPORIZERS, AND NEBULIZERS. RAY M. BALYEAT, doing business as Ashby Chemical Company, Oklahoma City, Okla.
Filed January 7, 1937. Serial No. 387,537. PUBLISHED MARCH 16, 1937. Class 44.

346,417. SANITARY NAPKINS. TISSUE BRANDS INC., Brooklyn, N. Y.
Filed January 7, 1937. Serial No. 387,568. PUBLISHED MARCH 16, 1937. Class 44.

346,418. WRAPPING BANDS. NASHUA GUMMED AND COATED PAPER COMPANY, Nashua, N. H.
Filed January 9, 1937. Serial No. 387,625. PUBLISHED MARCH 16, 1937. Class 37.

346,419. PACKAGES AND TINS OF SMOKING TOBACCO. SAMUEL GREENBERG, doing business as Lorraine Pipe Shop, New York, N. Y.
Filed January 11, 1937. Serial No. 387,669. PUBLISHED MARCH 16, 1937. Class 17.

346,420. KAPOK. AIRPAK LIMITED, London, England.
Filed January 12, 1937. Serial No. 387,692. PUBLISHED MARCH 16, 1937. Class 1.

346,421. MEN'S COLLARS. BROOKS BROTHERS, New York, N. Y.
Filed January 12, 1937. Serial No. 387,699. PUBLISHED MARCH 16, 1937. Class 39.

346,422. FIREARMS, PARTICULARLY SPORTING SHOTGUNS AND RIFLES. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed January 12, 1937. Serial No. 387,710. PUBLISHED MARCH 16, 1937. Class 9.

346,423. PROTECTIVE PAINTS AND ROOF COATING IN THE NATURE OF PAINT. SEMET-SOLVAY COMPANY, New York, N. Y.
Filed January 12, 1937. Serial No. 387,713. PUBLISHED MARCH 16, 1937. Class 16.

346,424. YARNS AND THREADS FOR NEEDLE WORK. A. & H. SHILLMAN COMPANY, INC., Baltimore, Md.
Filed January 12, 1937. Serial No. 387,714. PUBLISHED MARCH 16, 1937. Class 43.

346,425. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. PAULA ZWINGENBERGER, doing business as Colony Dress Shop, New York, N. Y.
Filed January 12, 1937. Serial No. 387,723. PUBLISHED MARCH 16, 1937. Class 39.

346,426. BLENDED SCOTCH WHISKY (IN BOTTLES ONLY). WILLIAM GRANT & SONS LIMITED, Dufftown, Scotland.
Filed January 13, 1937. Serial No. 387,744. PUBLISHED MARCH 16, 1937. Class 49.

346,427. PAPER CUPS, CANS, BOTTLES, AND SIMILAR RECEPTACLES OR CONTAINERS MADE OF PAPER SPECIALLY TREATED OR OTHERWISE. ULLE C. LINTON, doing business as Hedisco Company, Washington, D. C.
Filed January 14, 1937. Serial No. 387,790. PUBLISHED MARCH 16, 1937. Class 2.

346,428. HAIR BRUSHES. LONDON HOUSE, LTD., New York, N. Y.
Filed January 14, 1937. Serial No. 387,791. PUBLISHED MARCH 16, 1937. Class 29.

346,429. LADIES' COATS AND SUITS. LOU SCHNEIDER, INC., New York, N. Y.
Filed January 14, 1937. Serial No. 387,799. PUBLISHED MARCH 16, 1937. Class 39.

346,430. COFFEE. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed January 15, 1937. Serial No. 387,811. PUBLISHED MARCH 9, 1937. Class 46.

346,431. ALE. FRANK FEHR BREWING CO., INCORPORATED, Louisville, Ky.
Filed January 15, 1937. Serial No. 387,824. PUBLISHED MARCH 16, 1937. Class 48.

346,432. BEER AND ALE. THE NORTH POLE BREWING COMPANY, Fairmont, W. Va.
Filed January 15, 1937. Serial No. 387,834. PUBLISHED MARCH 16, 1937. Class 48.

346,433. COTTON PIECE GOODS. BURTON BROTHERS & Co. INC., New York, N. Y.
Filed January 16, 1937. Serial No. 387,858. PUBLISHED MARCH 16, 1937. Class 42.

346,434. COTTON PIECE GOODS. BURTON BROTHERS & Co. INC., New York, N. Y.
Filed January 16, 1937. Serial No. 387,859. PUBLISHED MARCH 16, 1937. Class 42.

346,435. INFANTS' AND CHILDREN'S SLEEPING GARMENTS. JOHN WANAMAKER NEW YORK, New York, N. Y.
Filed January 16, 1937. Serial No. 387,881. PUBLISHED MARCH 16, 1937. Class 39.

346,436. COIN-CONTROLLED AMUSEMENT APPARATUS AND MARKSMANSHIP PRACTICING APPARATUS IN WHICH A BULLET OF LIGHT IS EMPLOYED TO IMPINGE UPON A PHOTO-ELECTRIC CELL. EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed January 18, 1937. Serial No. 387,891. PUBLISHED MARCH 16, 1937. Class 22.

346,437. COIN-CONTROLLED VENDING MACHINES. EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed January 18, 1937. Serial No. 387,892. PUBLISHED MARCH 16, 1937. Class 23.

346,438. BINDER TWINE USED FOR BINDING STALKS OF GRAIN. FARM SERVICE STORES, INC., Minneapolis, Minn.
Filed January 18, 1937. Serial No. 387,893. PUBLISHED MARCH 16, 1937. Class 7.

346,439. WRENCHES. INDESTRO MANUFACTURING CORP., Chicago, Ill.
Filed January 18, 1937. Serial No. 387,905. PUBLISHED MARCH 16, 1937. Class 23.

346,440. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed January 19, 1937. Serial No. 387,934. PUBLISHED MARCH 16, 1937. Class 46.

346,441. COAL. OLD BEN COAL CORPORATION, Chicago, Ill.
Filed January 19, 1937. Serial No. 387,950. PUBLISHED MARCH 16, 1937. Class 1.

346,442. FLOOR COVERING OF THE HARD-SURFACED FLEXIBLE TYPE COMPRISING A FIBROUS BASE AND A DECORATIVE WEARING LAYER THEREON. BIRD & SON, INC., East Walpole, Mass.
Filed January 21, 1937. Serial No. 387,974. PUBLISHED MARCH 16, 1937. Class 20.

346,443. POLYMERIZED DERIVATIVE OF METHACRYLIC ACID, KNOWN AS METHYL METHACRYLATE, BEING IN THE NATURE OF A SOLID CAST RESIN OR PLASTIC. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed January 21, 1937. Serial No. 387,991. PUBLISHED MARCH 16, 1937. Class 1.

346,444. KNITTED UNDERSHIRTS, DRAWERS, UNION SUITS, AND SWEATERS AND JACKETS FOR MEN AND BOYS. FAITH MILLS, INC., Averill Park, N. Y.
Filed January 21, 1937. Serial No. 387,995. PUBLISHED MARCH 16, 1937. Class 39.

346,445. WATCHES AND HOROLOGICAL MOVEMENTS AND PARTS THEREOF. FRITZ MARTI, La Chaux-de-Fonds, Switzerland.
Filed January 21, 1937. Serial No. 388,013. PUBLISHED MARCH 16, 1937. Class 27.

346,446. LEATHER SHOES, FABRIC SHOES, AND SHOES OF LEATHER AND FABRIC. ROY M. MCQUILLEN, doing business as Hobby Shoe Company, East Rochester, N. H.
Filed January 21, 1937. Serial No. 388,014. PUBLISHED MARCH 16, 1937. Class 39.

346,447. BATHING SUITS. DAVEGA-CITY RADIO, INC., New York, N. Y.
Filed January 22, 1937. Serial No. 388,049. PUBLISHED MARCH 16, 1937. Class 39.

346,448. FRESH CITRUS FRUITS AND FRESH VEGETABLES. LAMPASI FRUIT COMPANY, Los Angeles, Calif.
Filed January 22, 1937. Serial No. 388,063. PUBLISHED MARCH 16, 1937. Class 46.

346,449. CANNED SALMON. SHIELD FOODS, INC., Buffalo, N. Y.
Filed January 22, 1937. Serial No. 388,073. PUBLISHED MARCH 16, 1937. Class 46.

346,450. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed January 23, 1937. Serial No. 388,082. PUBLISHED MARCH 16, 1937. Class 17.

346,451. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed January 23, 1937. Serial No. 388,084. PUBLISHED MARCH 16, 1937. Class 17.

346,452. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed January 23, 1937. Serial No. 388,085. PUBLISHED MARCH 16, 1937. Class 17.

346,453. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed January 23, 1937. Serial No. 388,086. PUBLISHED MARCH 16, 1937. Class 17.

346,454. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed January 23, 1937. Serial No. 388,088. PUBLISHED MARCH 16, 1937. Class 17.

346,455. LADIES', MEN'S, AND CHILDREN'S LEATHER GLOVES. CROCETTA BROS. & CO., INC., Gloversville, N. Y.
Filed January 23, 1937. Serial No. 388,090. PUBLISHED MARCH 16, 1937. Class 39.

346,456. CHOCOLATE FLAVOR COATINGS. JOE LOWE CORPORATION, New York, N. Y.
Filed January 23, 1937. Serial No. 388,099. PUBLISHED MARCH 16, 1937. Class 46.

346,457. LADIES' UNDERWEAR. JULIUS KAYSER & Co., New York, N. Y.
Filed January 25, 1937. Serial No. 388,137. PUBLISHED MARCH 16, 1937. Class 39.

346,458. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed January 25, 1937. Serial No. 388,162. PUBLISHED MARCH 16, 1937. Class 49.

346,459. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed January 25, 1937. Serial No. 388,163. PUBLISHED MARCH 16, 1937. Class 49.

346,460. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed January 25, 1937. Serial No. 388,164. PUBLISHED MARCH 16, 1937. Class 49.

346,461. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed January 25, 1937. Serial No. 388,165. PUBLISHED MARCH 16, 1937. Class 49.

346,462. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed January 25, 1937. Serial No. 388,166. PUBLISHED MARCH 16, 1937. Class 49.

346,463. LADIES', MEN'S, AND CHILDREN'S LEATHER GLOVES. CROCETTA BROS. & CO., INC., Gloversville, N. Y.
Filed January 26, 1937. Serial No. 388,185. PUBLISHED MARCH 16, 1937. Class 39.

346,464. INFANTS', GIRLS', AND MISSES' COATS, SUITS, AND HATS. MISS JUNIOR COATS, INC., New York, N. Y.
Filed January 26, 1937. Serial No. 388,201. PUBLISHED MARCH 16, 1937. Class 39.

346,465. BATHING SUITS, MEN'S UNDERWEAR, LADIES' UNDERWEAR, BRASSIÈRES, GIRDLES, PANTIES, AND FOUNDATION GARMENTS. RUTH L. REEVES, doing business as The Wil-Fit Company, Union City, N. J.
Filed January 26, 1937. Serial No. 388,206. PUBLISHED MARCH 16, 1937. Class 39.

346,466. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed January 29, 1937. Serial No. 388,302. PUBLISHED MARCH 16, 1937. Class 17.

346,467. FACIAL TISSUES. THE STERILEK COMPANY INC., Brooklyn, N. Y.
Filed January 30, 1937. Serial No. 388,375. PUBLISHED MARCH 16, 1937. Class 37.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

346,468. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CONCORDADE CO., INC., Providence, R. I. Filed Apr. 2, 1937. Serial No. 390,840.

Collinsmix

For Nonalcoholic, Noncereal, Maltless Beverage, Sold as a Soft Drink and Sirup and Extract for Making the Same.
Claims use since Dec. 10, 1935.

346,469. (CLASS 39. CLOTHING.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Mar. 24, 1937. Serial No. 390,469.

GREENLAND

For Fur Coats for Men, Women, and Children.
Claims use since Oct. 1, 1935.

346,470. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HARTMAN BEVERAGE COMPANY, Knoxville, Tenn. Filed Mar. 17, 1937. Serial No. 390,167.

DOUBLE SIZE

For Nonalcoholic Beverages Sold as Soft Drinks, and Sirups and Extracts for Making the Same.
Claims use since Sept. 10, 1935.

346,471. (CLASS 39. CLOTHING.) WILLIAMSBRIDGE MILLS, INC., New York, N. Y. Filed Mar. 9, 1937. Serial No. 389,857.

Bobby Carter

For Women's and Misses' Blouses, Skirts, and Playsuits.
Claims use since Nov. 5, 1935.

346,472. (CLASS 39. CLOTHING.) ROSE & BLAIRMAN, LTD., London, England. Filed Sept. 1, 1934. Serial No. 355,687.

DORVILLE

For Dresses, Costumes, Blouses, Knitted Suits, Knitted Jumpers, Dressing Gowns, Dressing Jackets, Bathing Suits, Beach Pajamas, Golf Jackets, Trousers, Shorts, and Hats, All Being Articles of Women's Clothing.
Claims use since Dec. 30, 1920.

346,473. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COSBY-HODGES MILLING CO. INC., Birmingham, Ala. Filed Feb. 18, 1935. Serial No. 361,512.

BAKE WHITE

For Wheat Flour, Plain and Self-Rising.
Claims use since Feb. 1, 1935.

346,474. (CLASS 38. PRINTS AND PUBLICATIONS.) THE LUBRICHART COMPANY, Cleveland, Ohio. Filed Aug. 13, 1935. Serial No. 368,262.

LUBRICHART

For Printed Charts Concerning the Lubrication of Machinery, Motor Vehicles, and Aircraft.
Claims use since February, 1935.

346,475. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) EVANS CASE COMPANY, North Attleboro, Mass. Filed Oct. 25, 1935. Serial No. 370,797.

DIAMON • MESH

For Ladies' Handbags.
Claims use since Oct. 14, 1935.

346,476. (CLASS 39. CLOTHING.) APOLLO SHIRT COMPANY, New York, N. Y. Filed Mar. 9, 1936. Serial No. 375,742.

LoFOLLA

For Men's Dress, Work, and Under Shirts.
Claims use since Mar. 4, 1936.

346,477. (CLASS 39. CLOTHING.) ROMAN STRIPE MILLS, INC., New York, N. Y. Filed Mar. 11, 1936. Serial No. 375,860.

TUPAIR

For Hosiery.
Claims use since Mar. 2, 1936.

346,478. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) PHIL H. HARRIS, New York, N. Y. Filed Mar. 31, 1936. Serial No. 376,632.

LETHACASE

For Watch Fobs and Buttons Made of Leather.
Claims use since Jan. 15, 1936.

346,479. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHIL KLEIN, New York, N. Y., assignor to Always Dry Processing Corporation, New York, N. Y., a corporation of New York. Filed Apr. 7, 1936. Serial No. 376,906.

Everdry

For Piece Goods—Namely, Rayons, Silk, Acetate, Wool, and Wool Mixed with Cotton, Used in Clothing for Men, Women, and Children; Linens, Damask; Ticking and Coverings for Mattresses; Draperies, Suede Cloth, Fabric Suedes; Cotton, Rayon, and Silk Underwear Cloths, Woven and Knitted; Camel's Hair Cloth Used in Coats for Men, Women, and Children; Pile Fabrics; Cottons for Ladies' and Children's Dresses.
Claims use since Apr. 2, 1936.

346,480. (CLASS 47. WINES.) COLUMBIA FRUIT PRODUCTS COMPANY, Brockton, N. Y. Filed Apr. 24, 1936. Serial No. 377,571.

Appleale

For Alcoholic Cider.
Claims use since Mar. 2, 1936.

346,481. (CLASS 43. THREAD AND YARN.) BERNHARD ULMANN CO. INC., New York, N. Y. Filed Apr. 28, 1936. Serial No. 377,758.

FLAKY-SHEEN

For Yarns for Art Needlework.
Claims use since Apr. 13, 1936.

346,482. (CLASS 39. CLOTHING.) VAN RAALTE COMPANY, INC., New York, N. Y. Filed June 3, 1936. Serial No. 379,269.

Sandal-Lace

For Hosiery.
Claims use since Jan. 2, 1934.

346,483. (CLASS 39. CLOTHING.) I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed July 9, 1936. Serial No. 380,847.

KOTTON KRAFT

For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins and Nightgowns of a Textile Fabric.
Claims use since Apr. 3, 1936.

346,484. (CLASS 38. PRINTS AND PUBLICATIONS.) JOSEPH F. WAGNER, INC., New York, N. Y. Filed July 24, 1936. Serial No. 381,438.

CATHOLIC BUYERS' GUIDE

For Business Directory Issued Annually.
Claims use since Feb. 28, 1936.

346,485. (CLASS 39. CLOTHING.) THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Dec. 1, 1936. Serial No. 386,159.

Bob Briar

For Suits, Trousers, Knickers, Topcoats, Overcoats and Raincoats for Men and Boys.
Claims use since Apr. 1, 1936.

346,486. (CLASS 39. CLOTHING.) THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Dec. 1, 1936. Serial No. 386,160.

MICKEY MARTIN

For Suits, Trousers, Knickers, Topcoats, Overcoats, and Raincoats for Men and Boys.
Claims use since Apr. 1, 1936.

346,487. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOSEPH A. S. EHART, doing business as A—B—C Manufacturing Co., Quincy, Ill. Filed Jan. 25, 1937. Serial No. 388,126.

STOP-ROOT RING

For Metal Joint Sealing Rings for Tile and Clay Drains, Sewer Pipes, and Conduits.
Claims use since Oct. 27, 1934.

346,488. (CLASS 39. CLOTHING.) OSHKOSH OVERALL COMPANY, Oshkosh, Wis. Filed Feb. 1, 1937. Serial No. 388,407.

Sta-Blu

For Overalls, Suits, Coats, Pants, Vests and Outer Shirts for Men and Boys.
Claims use since Feb. 15, 1928.

346,489. (CLASS 39. CLOTHING.) THE WOHLMUTH CO., Baltimore, Md. Filed Feb. 12, 1937. Serial No. 388,862.

THE WOHLMUTH CO.

For Men's and Boys' Suits, Overcoats, Topcoats, Linen and Summer Suits, Knickers, and Ladies' Suits, Skirts, and Coats.
Claims use since 1925.

346,490. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CONRAD PAGE CORPORATION, Washington, D. C. Filed Feb. 19, 1937. Serial No. 389,119.

SPOTTSWOOD

For Brandy.
Claims use since Feb. 2, 1936.

346,491. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) PENNSYLVANIA WHISKEY DISTRIBUTING CORPORATION, Brooklyn, N. Y. Filed Feb. 19, 1937. Serial No. 389,150.

Amsterdam

For Whiskey.
Claims use since May 12, 1934.

346,492. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) PENNSYLVANIA WHISKEY DISTRIBUTING CORPORATION, Brooklyn, N. Y. Filed Feb. 19, 1937. Serial No. 389,151.

Stafford Springs

For Whiskey.
Claims use since May 12, 1934.

346,493. (CLASS 39. CLOTHING.) L. D. CODDON & BROS., INC., St. Paul, Minn. Filed Feb. 26, 1937. Serial No. 389,407.

Perry Kent

For Men's and Boys' Suits and Overcoats.
Claims use since Mar. 1, 1935.

TRADE-MARK REGISTRATIONS RENEWED

116,375. A HAIR-TONIC. Registered April 24, 1917. STROHMEYER & ARPE COMPANY, New York, N. Y., a corporation of New York. Renewed April 24, 1937.

116,427. LINSEED-OIL AND READY-MIXED PAINTS. Registered May 1, 1917. W. R. GRACE & CO., New York, N. Y., a corporation of Connecticut. Renewed May 1, 1937.

116,515. WOOD-PRESERVATIVES AND CREOSOTE SHINGLE-STAINS. Registered May 8, 1917. GENERAL ROOFING MANUFACTURING COMPANY, East St. Louis, Ill. Renewed May 8, 1937, to Certain-teed Products Corporation, New York, N. Y., a corporation of Maryland, assignee.

116,549. SODIUM SILICATE. Registered May 8, 1917. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 8, 1937.

116,602. PEBBLE PHOSPHATE. Registered May 15, 1917. CORONET PHOSPHATE COMPANY, New York, N. Y., a corporation of New York. Renewed May 15, 1937.

117,141. SEWING-MACHINES, PARTS THEREOF. Registered June 19, 1917. HEXAGON SEWING MACHINE COMPANY, New York, N. Y. Renewed June 19, 1937, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey, assignee.

117,142. SEWING-MACHINES, PARTS THEREOF. Registered June 19, 1917. HEXAGON SEWING MACHINE COMPANY, New York, N. Y. Renewed June 19, 1937, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey, assignee.

117,143. SEWING-MACHINES, PARTS THEREOF. Registered June 19, 1917. HEXAGON SEWING MACHINE COMPANY, New York, N. Y. Renewed June 19, 1937, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey, assignee.

117,144. SEWING-MACHINES, PARTS THEREOF. Registered June 19, 1917. HEXAGON SEWING MACHINE COMPANY, New York, N. Y. Renewed June 19, 1937, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey, assignee.

117,772. SELF-RISING WHEAT-FLOUR. Registered July 31, 1917. MODERN FLOUR MILLS. Renewed July 31, 1937, to Birdsey Flour Mills, Macon, Ga., a corporation of Georgia, by change of name.

117,774. SELF-RISING WHEAT-FLOUR. Registered July 31, 1917. MODERN FLOUR MILLS. Renewed July 31, 1937, to Birdsey Flour Mills, Macon, Ga., a corporation of Georgia, by change of name.

117,884. TOILET CREAMS. Registered August 7, 1917. LAMBERT PHARMACAL COMPANY, St. Louis, Mo. Renewed August 7, 1937, to Lambert Pharmacal Company, Wilmington, Del., a corporation of Delaware, assignee.

117,899. SELF-RISING WHEAT-FLOUR. Registered August 7, 1917. MODERN FLOUR MILLS. Renewed August 7, 1937, to Birdsey Flour Mills, Macon, Ga., a corporation of Georgia, by change of name.

118,052. TOOTH-PASTE. Registered August 14, 1917. LAMBERT PHARMACAL COMPANY, St. Louis, Mo. Renewed August 14, 1937, to Lambert Pharmacal Company, Wilmington, Del., a corporation of Delaware, assignee.

118,108. REFINED PETROLEUM. Registered August 14, 1917. TIDE WATER OIL CO. Renewed August 14, 1937, to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

118,109. LUBRICATING-OIL. Registered August 14, 1917. TIDE WATER OIL CO. Renewed August 14, 1937, to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

118,459. LEATHERS AND SKINS. Registered September 11, 1917. ANCIENS ETABLISSEMENTS A. COMBE & FILS & CIE, Paris, France, a corporation of France. Renewed September 11, 1937.

118,571. SODIUM SILICATE. Registered September 18, 1917. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed September 18, 1937.

118,661. SEWING-MACHINES, PARTS THEREOF, AND CERTAIN NAMED ATTACHMENTS THEREFOR. Registered September 25, 1917. HEXAGON SEWING MACHINE COMPANY, New York, N. Y. Renewed September 25, 1937, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey, assignee.

118,662. SEWING-MACHINES, PARTS THEREOF, AND CERTAIN NAMED ATTACHMENTS THEREFOR. Registered September 25, 1917. HEXAGON SEWING MACHINE COMPANY, New York, N. Y. Renewed September 25, 1937, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey, assignee.

LABELS

REGISTERED MAY 25, 1937

49,324.—*Title:* MURJANA. For Cosmesis Skin Lotion. BORZOI LABORATORIES, INCORPORATED, Newark, N. J. Published December 16, 1936.

49,325.—*Title:* COCA-COLA—SIX BOTTLES—FOR THE HOME. For a Carbonated Beverage. THE COCA-COLA COMPANY, Wilmington, Del. Published January 4, 1937.

49,326.—*Title:* TOBÉ RENEÉ. For Beauty Cream. ROSE EISER, New York, N. Y. Published March 24, 1937.

49,327.—*Title:* HY-PRO. For Chemical Preparation for Cleaning, Bleaching, and Whitening Cotton and Linen Goods, Clothing and the Like, and for Removing Stains, Mildew and Scorch Therefrom. THE HYGIENIC PRODUCTS COMPANY, Canton, Ohio. Published March 20, 1937.

49,328.—*Title:* MUSCATEER SAUCE. For Sauce. BEN ROY KATZ, New York, N. Y. Published March 23, 1937.

49,329.—*Title:* LOMBARDI JUNIOR BOTTLE. For California Tokay. JAMES G. LOMBARDI, doing business as Lombardi Wine Co., Los Angeles, Calif. Published October 15, 1936.

49,330.—*Title:* CHARM NAPKINS. For Napkins. MARCALUS MANUFACTURING CO., INC., Elizabeth, N. J. Published February 8, 1937.

49,331.—*Title:* LEGUMOGEN. For Nitrogen Fixing Bacteria of Special Strains Used for Inoculating Legume Seeds. THE MAXWELL COMPANY, Delphi, Ind. Published February 19, 1937.

49,332.—*Title:* MYTEE NEUTRAL LIQUID WAX SHOE POLISH. For Shoe Polish. PRUDEN CHEMICAL COMPANY, Orlando, Fla. Published April 23, 1937.

49,333.—*Title:* MYTEE BLACK LIQUID WAX SHOE POLISH. For Shoe Polish. PRUDEN CHEMICAL COMPANY, Orlando, Fla. Published April 23, 1937.

49,334.—*Title:* LAKE ONTARIO APPLES. For Apples. F. A. READ, INC., Albion, N. Y. Published December 20, 1936.

49,335.—*Title:* ROGERS ACALA. For Cotton Seed. JOHN D. ROGERS, Navasota, Tex. Published April 2, 1937.

49,336.—*Title:* HAPPY EASTER FROM MAMA RABBIT. For Chocolate Covered Marshmallow Rabbits. THE SHOTWELL MANUFACTURING CO., Chicago, Ill. Published March 1, 1937.

49,337.—*Title:* HAPPY EASTER FROM PAPA RABBIT. For Chocolate Covered Marshmallow Rabbits. THE SHOTWELL MANUFACTURING CO., Chicago, Ill. Published March 1, 1937.

49,338.—*Title:* DOG-SHO SHAMPOO. For a Shampoo for Dogs. JENNIE M. SOKOLINSKI, doing business as Dog-Sho Products Co., Metuchen, N. J. Published February 17, 1937.

49,339.—*Title:* ROYAL. For Strawberry Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 1, 1937.

49,340.—*Title:* ROYAL. For Raspberry Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 1, 1937.

49,341.—*Title:* ROYAL. For Pineapple Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 1, 1937.

49,342.—*Title:* ROYAL. For Orange Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 1, 1937.

49,343.—*Title:* ROYAL. For Lime Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 1, 1937.

49,344.—*Title:* ROYAL. For Lemon Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 1, 1937.

49,345.—*Title:* ROYAL. For Cherry Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 1, 1937.

PRINTS

REGISTERED MAY 25, 1937

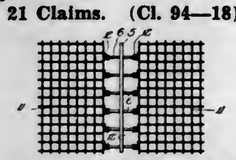
16,199.—*Title:* CONTEMPO FASHIONS. For Men's Wearing Apparel. CONTEMPO MEN'S WEAR GUILD, INC., New York, N. Y. Published April 7, 1937.

16,200.—*Title:* BALLANTINE FERMENTASE IS THE BAKER'S INSURANCE AGAINST ANY 'OFF-DOUGHS', AD NO. 85. For Baker's Malt. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published February 13, 1937.

REISSUES

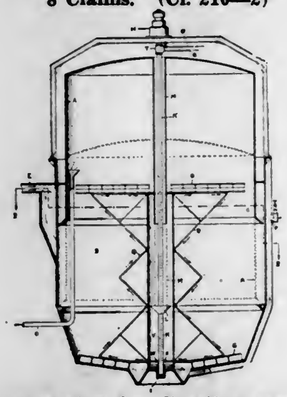
MAY 25, 1937

20,376
REENFORCED CONCRETE ROAD CONSTRUCTION
Albert C. Fischer, Chicago, Ill., assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Original No. 2,015,340, dated September 24, 1935, Serial No. 151,412, November 29, 1926. Application for reissue February 25, 1936, Serial No. 65,730
21 Claims. (Cl. 94—18)



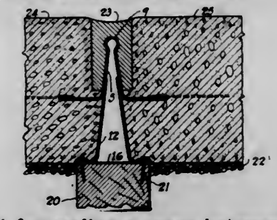
1. In a concrete road, sections of grill work embedded horizontally in the concrete and said grill sections being yoked together by reenforcing bars, and a separating strip having its bottom edge resting on said bars.

20,377
SEWAGE SLUDGE DIGESTER
Franz Fries, Essen-Bredeney, Germany
Original No. 2,057,567, dated October 13, 1936, Serial No. 713,684, March 2, 1934. Application for reissue November 27, 1936, Serial No. 113,005. In Germany April 6, 1933
8 Claims. (Cl. 210—2)



1. An apparatus for digesting sewage sludge and the like comprising in combination a lower part providing a basin or tank constructed for receiving sewage sludge or the like and for holding a body thereof while undergoing digestion or other treatment, a vertically movable bell-shaped upper member cooperatively related with said lower part and therewith providing a gasometer in which the liquid underdoing digestion functions as a sealing liquid into which the depending portion of the bell-shaped member continuously dips and relative to which the bell-shaped member rises and falls in accordance with the increase and decrease in the volume of gas contained or entrapped therein, a stirring mechanism located within said gasometer, a vertical shaft mounted in a bearing member located and provided at the lower interior portion of said basin or tank, which shaft is mounted so as to turn about a vertical axis but remaining relatively stationary as respects any vertical displacement during the turning thereof in its normal operation, and which said shaft as it turns functions as the means by and through which said stirring mechanism is actuated, said upper bell-shaped member having therethrough an opening which is provided within and by a tubular portion depending from the top portion thereof into the liquid body within the basin whereby a liquid seal is provided between the shaft on the one hand and the tubular portion on the other, and motivating mechanism located above said top portion of the bell-shaped member and cooperatively connected with said shaft whereby said shaft and said stirring mechanism can be actuated from said motivating mechanism regardless as to whether the bell-shaped upper member is at rest or is undergoing vertical movement incident to the increase or decrease in the volume of gas within the gasometer.

20,378
EXPANSION JOINT
Eric E. Hall, Chicago, and William H. Eichelman, Des Plaines, Ill., assignors, by direct and mesne assignments, of one-fourth to said Eichelman and one-fourth to James E. Whealan, Chicago, Ill., and one-half to James H. O'Brien, trustee
Original No. 1,958,391, dated May 8, 1934, Serial No. 628,576, August 12, 1932. Application for reissue October 1, 1934, Serial No. 746,470
26 Claims. (Cl. 94—18)

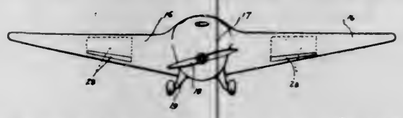


9. A joint for sealing a space between ends of adjacent slab sections, the slab sections having portions which are offset with relation to each other, said joint including a flexible member connected with the respective ends of said slab sections, and a yieldable filler bridging the space between the ends of the slab sections and having portions engaging the offset portions of said slab sections, said flexible member providing means acting upon said filler to maintain engagement between said filler and the slab sections upon an increase in the dimension of said space between said slab sections.

20,379
AIRPLANE
Augustus M. Henry, Brooklyn, N. Y., assignor of thirty per cent to Frank J. Kent, Montclair, N. J.
Original No. 2,010,817, dated August 13, 1935, Serial No. 626,405, July 30, 1932. Application for reissue September 19, 1936, Serial No. 101,548
29 Claims. (Cl. 244—106)

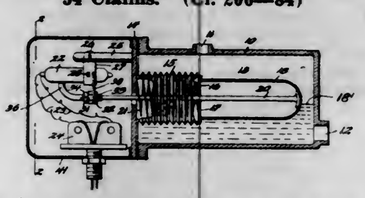
1. An airplane wherein there is a central

structure and there are water-leakable wing-portions one on either side of said central structure, wherein masses of buoyant material are contained in said wing-portions to make them floatable in water, said material being crushable and deformable without so reducing its buoyancy as to render it ineffective to keep said wing-portions afloat, and wherein mounting and structural



means for said wing portions are provided which include spar-structures running athwart the airplane unbrokenly through both said wing portions, and also other spar-structures having pivotally connected sections but with such pivots normally inoperable due to the first mentioned spar-structures, said first mentioned spar-structures being located for convenient breakdown by hand tools in an emergency.

20,380
CONTROL DEVICE
William L. Hickstein, Irvington, and Edwin C. Loesser, Glen Ridge, N. J.
Original No. 1,985,659, dated December 25, 1934, Serial No. 501,983, December 12, 1930. Application for reissue December 24, 1936, Serial No. 117,678
34 Claims. (Cl. 200—84)



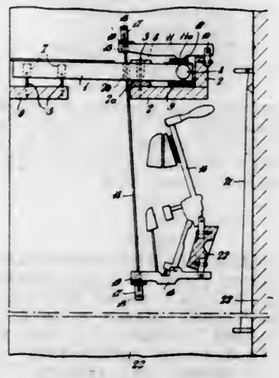
1. A device operated by changes in water level and pressure, comprising a float, a pressure responsive element secured to said float, means actuated by the float in response to changes in liquid level, said means so connected to the pressure responsive element as to be actuated thereby independently of the liquid level changes.

20,381
RUBBER HEEL PATCHING LIFT
Albert L. Murray, Auburn, Ind.
Original No. 2,012,173, dated August 20, 1935, Serial No. 701,660, December 9, 1933. Application for reissue April 23, 1936, Serial No. 76,074
6 Claims. (Cl. 36—35)



6. A cement-on rubber element suitable for shoe and the like repair purposes, including a main body portion having a conventional outline conforming to the bottom portion of the shoe to be repaired, and a substantially plane face of rubber which is receptive to rubber cement and for shoe bottom contact, said body portion upon the tread surface thereof having a localized portion of greater thickness than the remainder of the body located inwardly from one end of the body portion, the said body portion having a relatively long bevel face connecting the said end with the said thickened portion at the area of the greatest thickness thereof.

20,382
KEY OPERATED STRINGED MUSICAL INSTRUMENT
Emil Gustav Alfred Nylund, Uppsala, Sweden, assignor to W. G. Eavestaff & Sons Limited, London, England
Original No. 1,999,914, dated April 30, 1935, Serial No. 729,494, June 7, 1934. Application for reissue February 3, 1937, Serial No. 123,858. In Sweden June 15, 1933.
5 Claims. (Cl. 84—240)



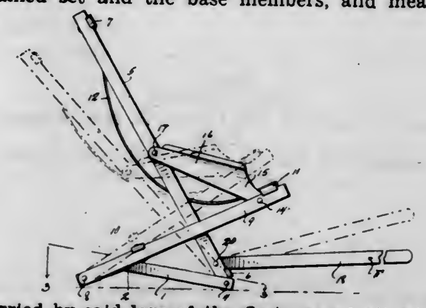
1. A miniature piano comprising, in combination, a key consisting of a lever of the first kind of substantially standard length in front of the fulcrum but shortened behind the fulcrum, a stationary pivot, a lever of the third kind fulcrumed on said pivot, means for transmitting the power from the rear end of the key to an intermediate point of said lever, a piano action below said key, and means for transmitting the motion of said lever to said action to operate the same.

20,383
FILM FORMING COMPOSITIONS AND PROCESS FOR MANUFACTURING SAME
Kurt Ripper, Berlin, Germany, assignor, by mesne assignments, to American Cyanamid Company, a corporation of Maine
No Drawing. Original application March 20, 1924, Serial No. 700,736. Patent No. 1,734,693, dated November 5, 1929. Divided and application June 22, 1925, Serial No. 38,920. Application for reissue November 4, 1931, Serial No. 573,033. In Austria March 31, 1923
10 Claims. (Cl. 134—26)

1. The process of producing film-forming solutions which consists in reacting on a urea with a solution of formaldehyde by boiling the mixture adjusted to a C_h not exceeding 10^{-7} for a short time, thereafter adjusting the hydrogen ion concentration of the reaction mixture to a value upwards of a C_h of 10^{-7} to cause complete conversion of the first formed hydrophile emulsion colloid in a hydrophobe colloid on further heating, continuing the reaction by heating the reaction mixture, cooling the reaction product whereby the hydrophobe colloid is precipitated therefrom, separating the precipitated colloid from the water and dissolving it in a non-aqueous solvent.

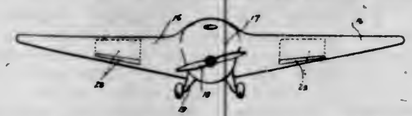
20,384
FOLDING CHAIR
Raymond O. Stockil, Ladysmith, Natal, Union of South Africa
Original No. 1,986,381, dated January 1, 1935, Serial No. 530,057, April 14, 1931. Renewed July 3, 1934. Application for reissue May 21, 1936, Serial No. 81,135
7 Claims. (Cl. 155—56)

7. A folding chair comprising a pair of base members, a set of supporting legs pivotally connected with the forward portions of the base members, a second set of supporting legs pivotally connected with the rear portions of the base members, the legs of one set being in crossed relation with the legs of the second set when the chair is extended with the legs of the first set upwardly and rearwardly directed and the legs of the second set upwardly and forwardly disposed, a seat operatively supported by both sets of legs, a member pivotally connected with a leg of one set and with an adjacent leg of the second set, a foot rest pivotally connected with the lower portions of the first named set of legs at a point below the seat and closely adjacent to the pivotal connections of said legs of the first named set and the base members, and means



carried by said legs of the first named set with which the foot rest freely engages when extended to hold said foot rest free for movement with said legs, said means also allowing said extended foot rest to serve as a lever to facilitate rocking of the chair.

structure and there are water-leakable wing-portions one on either side of said central structure, wherein masses of buoyant material are contained in said wing-portions to make them floatable in water, said material being crushable and deformable without so reducing its buoyancy as to render it ineffective to keep said wing-portions afloat, and wherein mounting and structural



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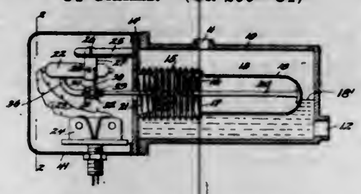
20,380

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34 Claims. (Cl. 200—84)



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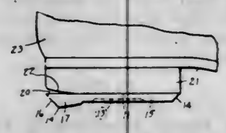
20,381

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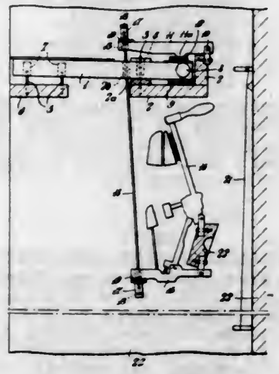
20,382

KEY OPERATED STRINGED MUSICAL INSTRUMENT

Emil Gustav Alfred Nylund, Uppsala, Sweden, assignor to W. G. Eavestaff & Sons Limited, London, England

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5 Claims. (Cl. 84—240)



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10 Claims. (Cl. 134—26)

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20,384

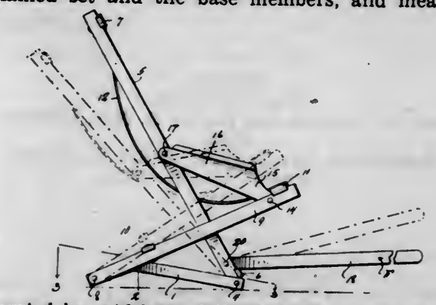
FOLDING CHAIR

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7 Claims. (Cl. 155—56)

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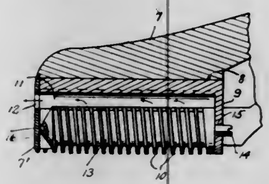


carried by said legs of the first named set with which the foot rest freely engages when extended to hold said foot rest free for movement with said legs, said means also allowing said extended foot rest to serve as a lever to facilitate rocking of the chair.

PATENTS

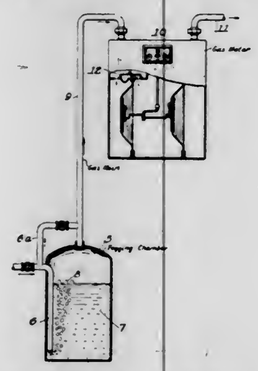
GRANTED MAY 25, 1937

2,081,129
DRY SHAVER
Lloyd V. Adamson and Harvey H. Hoy, Fillmore, Calif.
Application May 1, 1936. Serial No. 77,421
5 Claims. (Cl. 30—43.5)



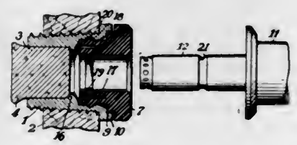
2. In a dry shaver of the character set forth comprising a handle, a head on the handle and having its lower surface provided with a dove-tail groove, a depending portion on the end of the head having an exit aperture therein, a bearing stud formed on the inner side of the depending portion of the head, a stationary cutting blade provided with a beveled portion seated in the dove-tail groove and having a bore in communication with an exit passage registered with the exit aperture in the depending portion of the head, a rotatable cutting blade mounted at one end on the bearing stud and at its other end in the stationary cutting blade, a motor secured in the handle, a shaft extending from the motor, and a universal joint connecting the shaft to the rotatable cutting blade.

2,081,130
DISTRIBUTION OF FUEL GASES
Harold V. Atwell, White Plains, N. Y., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 30, 1932, Serial No. 649,534
9 Claims. (Cl. 48—190)



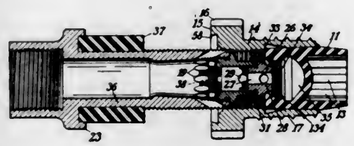
1. The process for inhibiting gum formation in combustible gaseous fuels containing unsaturated organic compounds, which comprises dispersing a fog of oil containing an antioxidant into said gaseous fuel.

2,081,131
MEANS FOR USE WITH DRAWING-OFF LIQUIDS FROM CONTAINERS
Frederick John Trevallon Barnes, Brisbane, Queensland, Australia
Application December 7, 1934. Serial No. 756,553
In Great Britain December 8, 1933
9 Claims. (Cl. 217—113)



1. A bushing of resilient material for insertion in the bung hole of a container, comprising a tubular sleeve portion which is provided with a deep longitudinal annular recess within the thickness of the wall of said sleeve extending in the axial direction from one end of said sleeve.

2,081,132
MEANS FOR USE IN DRAWING OFF LIQUIDS FROM CONTAINERS
Frederick John Trevallon Barnes, Brisbane, Queensland, Australia
Application February 27, 1935. Serial No. 8,547
In Great Britain April 26, 1934
26 Claims. (Cl. 225—42)

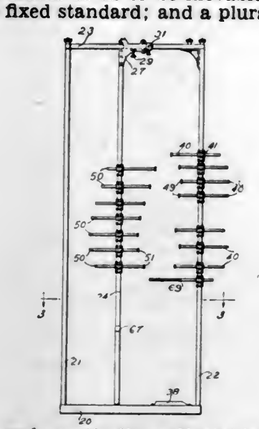


1. A bung hole fitting for liquid containers, comprising a metal bushing having an outer bore of smaller diameter than the inner bore producing an internal abutment shoulder, in combination with a resilient hollow cork having an inwardly domed closed end adapted to abut against said shoulder when the cork is inserted in the inner bore, and the other end of said cork being open to permit entry therein of gas within the container by which the cork is expanded within the bushing.

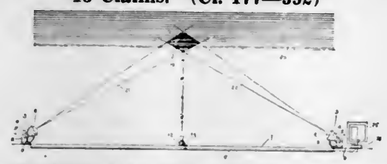
2,081,133
MEASURING APPARATUS
Edwin J. Bisel, Uniontown, Pa.
Application June 1, 1934, Serial No. 728,577
11 Claims. (Cl. 33—2)

1. Measuring apparatus comprising, in combination, a base; an upright frame secured upon the base; said frame having a fixed standard; another standard adjustably connected to the

base and frame so as to be movable toward and from the fixed standard; and a plurality of horizontally and vertically adjustable measuring arms carried on both said standards.

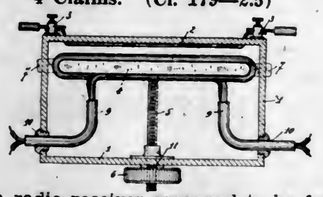


2,081,134
AERONAUTICAL DEVICE
John P. Buckley, Washington, D. C.
Application July 10, 1929. Serial No. 377,156
13 Claims. (Cl. 177—352)



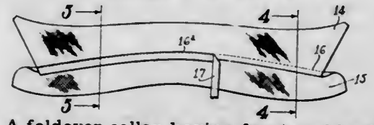
1. Signaling apparatus comprising lamps pivotally mounted for movement in a vertical plane whereby light beams may be projected upwardly to intersect at different altitudes and form a light spot upon the lower surface of a cloud bank at different altitudes, a light sensitive cell positioned beneath said light spot for energization by light transmitted from said light spot, signaling apparatus connected to be controlled through the operation of said light sensitive cell and means for automatically broadcasting a different signal for each cloud bank altitude from said signaling apparatus when said cell is energized.

2,081,135
RADIO RECEIVER
Emile Devienne, Fleurieu-sur-Saone, France
Application October 26, 1935. Serial No. 46,945
In France October 31, 1934
4 Claims. (Cl. 179—2.5)



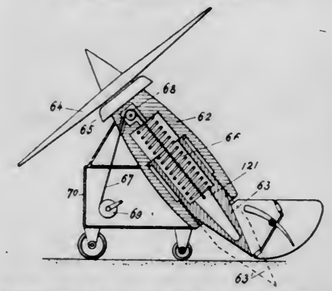
1. In a radio receiver arranged to be fed with electric current from a source of electricity, the combination of a winding formed by a double conductor connecting said receiver with said source, a ground wire for said receiver extending through the field created by said winding, and means for moving said winding and said ground wire with respect to each other, for adjustment purposes.

2,081,136
SHIRT COLLAR
Frank Di Iuglio, New Haven, Conn.
Application August 10, 1936. Serial No. 95,071
3 Claims. (Cl. 2—131)



1. A foldover collar having front and back sections each comprising a single strip of material, and an inner lining member, said member comprising separate neckband and foldover sections having their meeting edges superposed and being stitched together along a line spaced slightly from said superposed edges, and said edge portions below said line of stitching being folded downwardly over the upper portion of the neckband section, a narrow single-ply strip of relatively heavy material being stitched to said member in a position overlying said folded edge portion at the rear side thereof whereby said inner lining member is of four-ply thickness at the upper edge of the neckband portion to define clearly the fold line of the collar and space apart the neckband and turnover portions of the completed folded collar.

2,081,137
FLYING MACHINE
Claude Dornier, Friedrichshafen on Bodensee, Germany
Original application January 10, 1934, Serial No. 706,090. Divided and this application November 11, 1935, Serial No. 49,299. In Germany January 16, 1933
9 Claims. (Cl. 244—17)

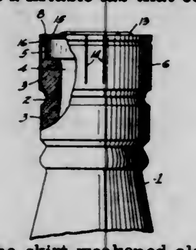


4. A wingless flying machine comprising a fuselage, a rotor producing the lift and propelling power for said machine and being rotatably connected to said fuselage, a compartment extending from underneath said fuselage, and means carrying a tail unit and being retractably connected to said fuselage.

2,081,138
CLOSURE
Eli Frank Andersen and Emerson E. Hogg, New Kensington, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 20, 1935, Serial No. 11,988
3 Claims. (Cl. 215—83)

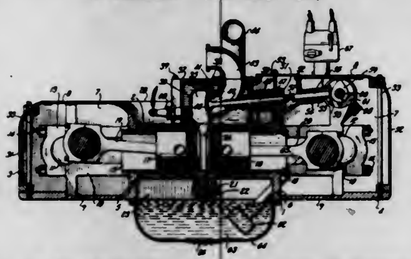
1. In combination with a receptacle having a neck portion with an annular groove therein, a friction stopper in the receptacle mouth having a relatively thick flange portion covering substantially the entire mouth surface, a metal capsule

having a depending skirt enclosing the stopper flange and extending downwardly along the neck portion and into said annular neck groove, and a metal reinforcing element retained against the top portion of the capsule by deformation of the skirt, said capsule having partially severed from the top surface a liftable tab that cooperates with



a portion of the skirt weakened along a vertical dimension thereof to facilitate removal of the capsule, said reinforcing element being positioned between said weakened top portion and said stopper flange to complete the metal encasement of the stopper when the tab is lifted, said flange serving to support at least the marginal portions of both reinforcing element and capsule.

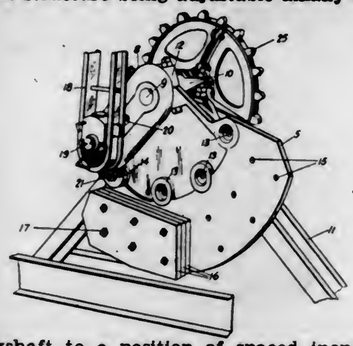
2,081,139
GAS ENGINE
Albert F. Beals, Kansas City, Mo., and Elmer E. Pudge, Salina, Kans., assignors to Universal Rotary Motors Company, Salina, Kans., a corporation of Kansas
Application November 20, 1933, Serial No. 698,848
2 Claims. (Cl. 123—51)



1. In an engine of the character described, a cylinder having a lateral combustion chamber, opposed power pistons in the cylinder, means for admitting fuel to the lateral combustion chamber, a pair of crank shafts, one having its crank in advance of the other, connecting rods connecting the cranks with the respective pistons, and means interconnecting said crank shafts to effect operation of the crank shafts at the same speed and to effect differential movement of the power pistons relatively to the lateral combustion chamber.

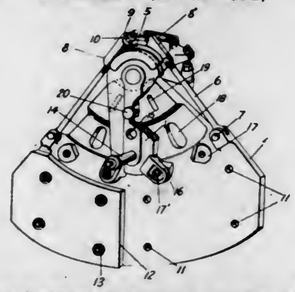
2,081,140
COUNTERBALANCING DEVICE
Richard R. Bloss and Roy C. Pfeil, Columbus, Ohio, assignors to The International Derrick & Equipment Company, Columbus, Ohio, a corporation of Ohio
Application October 26, 1927, Serial No. 228,963
14 Claims. (Cl. 74—591)

14. In combination, a crankshaft for a pumping mechanism, a crank arm on said crankshaft, a weight structure suspended from said crankshaft adjacent said crank arm, means for directly connecting said crank arm to said weight structure to prevent relative movement thereof, said weight structure being adjustable axially of said



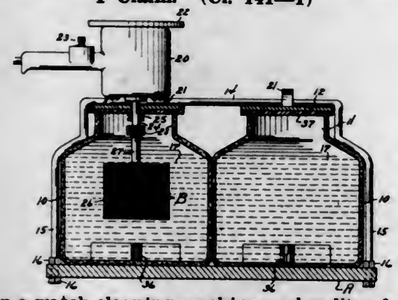
crankshaft to a position of spaced inoperative relation to said crank arm.

2,081,141
COUNTERBALANCING DEVICE
Richard R. Bloss and Roy C. Pfeil, Columbus, Ohio, assignors to The International Derrick & Equipment Company, Columbus, Ohio, a corporation of Ohio
Application April 14, 1928, Serial No. 270,071
8 Claims. (Cl. 74—591)



7. An attachment for the crankshaft of well pumping mechanism comprising a crank arm, a weight structure suspended from the hub of said crank arm, means carried by said crankshaft for moving the weight center of said weight structure toward and away from said hub, and means for detachably securing said crank arm to said weight structure.

2,081,142
WATCH CLEANING MACHINE
Billy B. Branaman, Sr., Marysville, Calif.
Application March 22, 1935, Serial No. 12,479
1 Claim. (Cl. 141—1)



In a watch cleaning machine, a plurality of wide mouth jars for cleaning fluid, a base for supporting the jars side by side, parallel yokes arranged over the jars and at respective opposed sides of the mouths thereof and having their arms in contact with the outer sides of the said jars and adjustably secured to the base, a disk shaped cap for the mouth of each jar, an electric motor on one of the caps and having an armature shaft journaled through said cap for entrance into the jar, means on the caps for the latching of the latter by said yokes, and arched bails on certain of said caps.

2,081,143
CLINICAL THERMOMETER
Fairleigh S. Dickinson, Rutherford, N. J.
Application July 5, 1935, Serial No. 29,875
8 Claims. (Cl. 73—52)



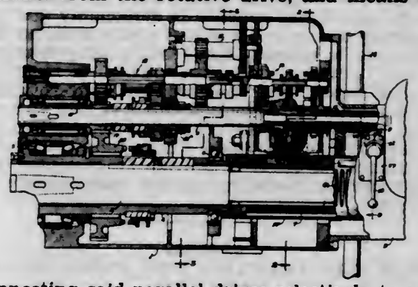
1. A clinical thermometer comprising a straight stem provided with a continuous lens front extending from at least the lowest graduation mark of the scale on the thermometer to the outermost sealed end of the stem, a fine bore section in said stem communicating at one end with a bulb containing mercury, a second bore section of greater cross-sectional area than the first mentioned bore in said stem terminating at the sealed end of the stem, colored material positioned in said second bore section substantially filling the same and sealed in place therein, said bore sections being in alignment with each other and so arranged with relation to said lens front that the colored material becomes clearly visible in magnified proportions through the lens front when the thermometer is properly held with respect to the reader's eye for reading the height of the mercury column in said first bore section, and a sealing partition between said bore sections to prevent intercommunication, said sealing partition being located at a point intermediate said colored material and the highest graduation of the thermometer scale.

2,081,144
ARTIFICIAL MATERIAL AND PROCESS FOR ITS MANUFACTURE
Henry Dreyfus, London, England
No Drawing. Application January 9, 1933, Serial No. 650,857. In Great Britain January 29, 1932
8 Claims. (Cl. 18—54)

8. Process for the formation of artificial materials which comprises extruding into a coagulating medium a solution containing substantial proportions of two varieties of cellulose acetate differing in viscosity by at least 5, one of said varieties having a viscosity of at most 10.

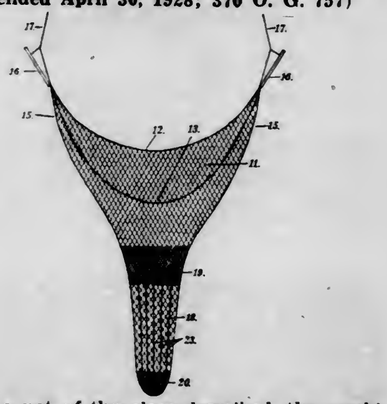
2,081,145
MACHINE TOOL
Keith F. Gallimore and Garner H. Schurger, Fond du Lac, Wis., assignors to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin
Application December 16, 1935, Serial No. 54,624
24 Claims. (Cl. 29—26)

1. A spindle headstock comprising, in combination, a non-rotatable axially reciprocable ram, a spindle journaled in said ram for axial movement therewith, a variable speed drive for rotating said spindle, a variable speed rack and pinion drive for traversing said ram, a variable speed nut and screw drive for traversing said ram, said two last mentioned drives being operable in parallel from the rotative drive, and means for



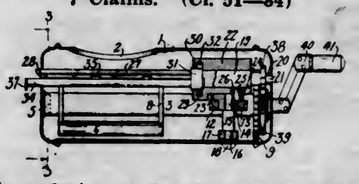
connecting said parallel drives selectively to said ram.

2,081,146
TRAWL NET
William C. Herrington, Cambridge, Mass., assignor to the Government of the United States, as represented by the Secretary of Commerce
Application February 20, 1933, Serial No. 657,659
15 Claims. (Cl. 43—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a net of the class described, the combination with a forwardly flaring portion of small sized mesh, a cod-end united with the smaller end of said flaring portion, having a savings portion of diamond mesh somewhat larger than its bottom and extreme end portions, and reinforcing stringers adapted to relieve said savings portion of stresses tending to reduce the effective size of the mesh of said savings portion.

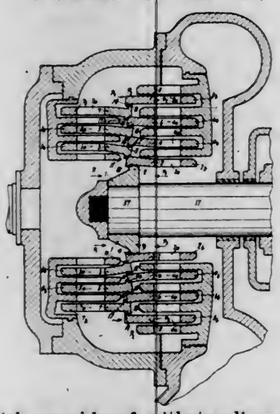
2,081,147
STROPPING DEVICE
Arthur J. Holman, East Orange, N. J.
Application February 25, 1929, Serial No. 342,387
Renewed August 18, 1936
7 Claims. (Cl. 51—84)



2. In a device of the character specified, the combination of a slidably and removably mount-

ed blade supporting member, a rotatable strop member, a reciprocating member to which said blade supporting member is detachably and operatively connected, a crank means adapted and arranged to operate said reciprocating member, a gear whereon said crank means is mounted, and a second gear mounted on said rotatable strop member and adapted and arranged to mesh with and drive said gear whereon said crank means is mounted, said gears differing by one in number of teeth to provide cross-wiping and non-tracking abrading action substantially as specified.

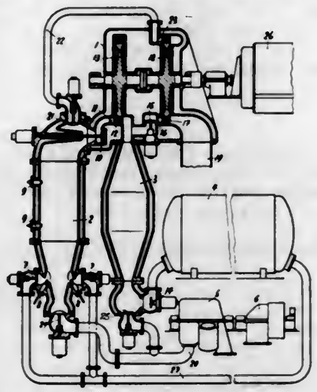
2,081,148
DISK CONSTRUCTION FOR RADIAL FLOW MACHINES
Ulrich Meininghaus, Mulheim-Ruhr, Germany
Application March 22, 1932, Serial No. 600,500
In Germany March 25, 1931
7 Claims. (Cl. 253—87)



1. A disk capable of withstanding thrust and suitable for use in machines working with a medium flowing in a radial direction, comprising a plurality of annular elements which are continuous in the tangential direction, said elements being of lesser thickness in the radial direction than in the axial direction, and arranged concentrically to each other, flexible joints capable of temporary distortion under stress disposed between and connecting said elements and being adapted to transfer axially directed forces in opposite directions to said elements at two different diameters of said elements, thereby exerting a torque on said elements around a tangentially directed neutral axis and generating tangential stresses in said elements, whereby said elements withstand the action of said axially directed forces chiefly by means of said tangential stresses.

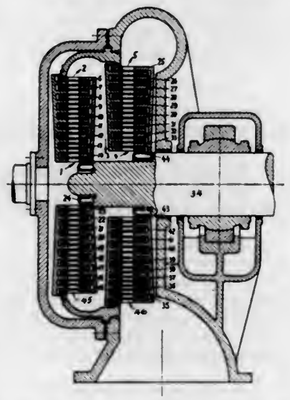
2,081,149
METHOD AND APPARATUS FOR DIRECT COMPRESSION OF GASEOUS OR VAPOROUS MEDIUM
Ulrich Meininghaus, Mulheim-Ruhr, Germany, assignor to The Holzwarth Gas Turbine Company, San Francisco, Calif., a corporation of Delaware
Application February 25, 1933, Serial No. 658,609
In Germany March 1, 1932
29 Claims. (Cl. 60—41)

1. The method of compressing a gaseous or vaporous medium by means of a gaseous or vaporous medium of higher pressure, which comprises developing the medium of higher pressure within one space, introducing such medium into a separate space containing the medium of lower pressure, and intermediately reducing the velocity of the high pressure medium so as to insure the formation of a substantially planar fluid dividing



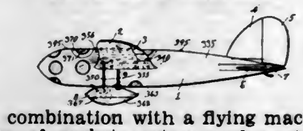
zone between the two media and thereby effect direct compression of the lower pressure medium by expansion of the other medium while preventing mingling of the two media to any considerable degree.

2,081,150
DISK CONSTRUCTION FOR RADIAL FLOW MACHINES
Ulrich Meininghaus, Mulheim-Ruhr, Germany
Application July 26, 1933, Serial No. 682,178
In Germany September 10, 1932
16 Claims. (Cl. 253—89)



1. A disk suitable for use in radial flow machines comprising a plurality of annular ring bodies arranged concentrically to each other, and axially flexible, intermediate webs connecting said annular ring bodies with each other rigidly in radial direction and extending in a substantially radial direction, the cross-section of said annular ring bodies which extends continuously without interruption of the material along their whole circumference being of greater axial length than, and of substantially the same radial thickness as, the axial dimension of said intermediate webs, and said intermediate webs being displaced relatively to each other in an axial direction even in the unloaded condition.

2,081,151
FLYING MACHINE
George Francis Myers, New York, N. Y.
Application April 7, 1932, Serial No. 603,765
Renewed May 26, 1936
10 Claims. (Cl. 244—52)



1. In combination with a flying machine, of a plurality of rocket motors and a streamlined ring connecting the same and carrying cooling liquid.

2,081,152
WRAPPED CONTAINER
Harry H. Replogle, Scarsdale, and Schuyler N. Dalton, Huntington Terrace, Long Island, N. Y., assignors to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application November 15, 1934, Serial No. 753,110
12 Claims. (Cl. 40—4)



1. As an article of manufacture, the combination of a container in the form of a bottle, a transparent wrapper enclosing said container and bearing a label applied on the inner surface thereof, said wrapper being united to the surface of the container over the area occupied by the label and a shrinkable closure positioned over the mouth of said container and enclosing the upper end of the wrapper.

2,081,153
SYNTHETIC RESIN
Israel Rosenblum, Jackson Heights, N. Y.
No Drawing. Application January 2, 1930, Serial No. 418,161
12 Claims. (Cl. 260—4)

1. The method which comprises reacting a phenol-aldehyde-organic salt of zinc-rosin reaction mass with a polyhydric alcohol partially neutralized with a corboxylic aromatic acid until a substantially neutral product is obtained.

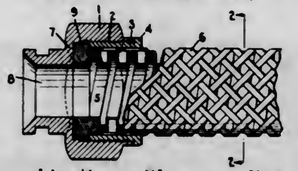
2,081,154
ARTIFICIAL RESIN AND METHOD OF MAKING THE SAME
Israel Rosenblum, Jackson Heights, N. Y.
No Drawing. Application January 2, 1931, Serial No. 506,298
10 Claims. (Cl. 260—8)

2. The method of producing a resinous material suitable for use as a vehicle for white baking enamels, which comprises reacting glycerol, phthalic acid, linoleic acid, a dicarboxylic aliphatic acid of the group consisting of maleic, malic, succinic, tartaric and fumaric acids in a quantity up to approximately 12% by weight of the phthalic acid, and boric acid, until the mixture is completely soluble in toluol.

2,081,155
ARTIFICIAL FILM CONTAINING DERIVATIVES OF CELLULOSE
George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 17, 1934, Serial No. 735,627
4 Claims. (Cl. 106—40)

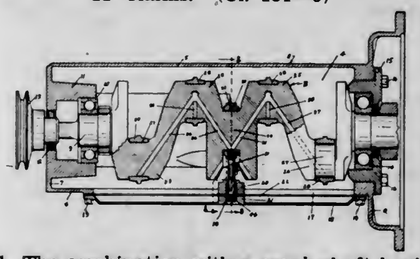
1. Self-supporting films or foils of high moisture impermeability and improved flexibility, comprising two intermixed varieties of an organic derivative of cellulose which are substantially identical in chemical composition, but which have viscosity values of approximately 15 to 30 units and less than 10 units as defined, respectively, the lower viscosity cellulose derivative being present in an amount approximately 5 to 20% of that of the higher viscosity variety.

2,081,156
HOSE COUPLING
R. Harry Stone, Bound Brook, N. J., assignor to Titeflex Metal Hose Co., a corporation of New Jersey
Application January 5, 1933, Serial No. 650,283
6 Claims. (Cl. 285—86)



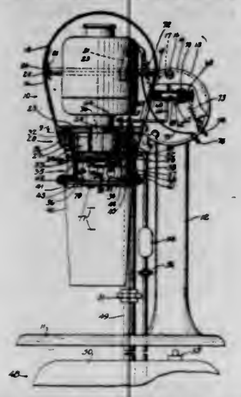
1. The combination with a coupling member having an interior shoulder, of a sleeve screw-threaded therein and a pipe secured in said sleeve, said sleeve being spaced from said shoulder to form a circumferential channel therebetween and solder in said channel.

2,081,157
CRANKSHAFT LUBRICATION SYSTEM
William E. Swenson, St. Paul, Minn., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application February 7, 1936, Serial No. 62,850
11 Claims. (Cl. 184—6)



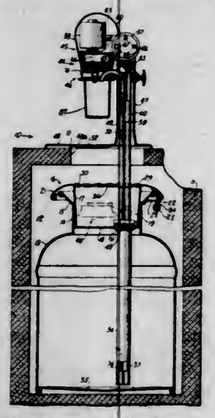
1. The combination with a crank shaft having a hub portion concentric with the axis of rotation and having oil ducts extending from the peripheral surface of the hub portion to bearing surfaces of the several cranks, of a member encircling the hub and having an annular groove in its inner peripheral surface in communication with said oil ducts, means for supplying oil under pressure to the member groove, and yieldable means connected to the member to prevent rotation thereof with the crank shaft while permitting a floating action thereof in response to eccentric fluctuations in the rotation of the hub portion.

2,081,158
BEVERAGE DISPENSER
William Tamminga and Ottorino Bonami, New York, N. Y., assignors to Robert E. Corradini, New York, N. Y.
Application June 15, 1932, Serial No. 617,330
Renewed August 20, 1936
25 Claims. (Cl. 226—116)



1. A liquid dispenser having a head provided with a downward facing seat for a liquid container removable from said head and having a rim engageable in air tight relation with said seat, means for causing a flow of liquid into the container including a suction pump means and a liquid supply means communicating through said head with said seat within the rim of the container, and means responsive to pressure by the container in the engaged position thereof for controlling the first mentioned means whereby liquid is caused to flow into the container by suction caused by the pump means and the flow of liquid stopped upon removing the container from the head.

2,081,159
LIQUID DISPENSER
William Tamminga and Ottorino Bonami, New York, N. Y., assignors to Robert E. Corradini, New York, N. Y.
Application May 19, 1933, Serial No. 671,810
Renewed August 26, 1936
13 Claims. (Cl. 226—116)



1. A liquid dispenser including an upright tubular means having its upper and lower end portions contracted to form ports, a positive suction means communicating with the upper port to remove a gas for exerting a suction in the tubular means, and a valve freely movable in the tubular means and normally resting on the lower end portion of the tubular means in close proximity to the port thereof, the lower port being the sole opening at the lower portion of the tubular means and being normally at the lower end of the tubular means, the lower port being sufficiently constricted to constitute a velocity producing orifice and said valve overlying the same as an obstruction, said valve being movable upward to close the upper port and being substantially unaffected in normal position by the suction in the tubular means, and said valve being adapted to maintain the upper port closed under the influence of the suction of the suction means when once the valve is caused to seat against the upper part by liquid entering and accelerated upward through the lower port to impinge on the valve and project the same upward into closing position in relation to the upper port.

10. A liquid dispenser including a member, a rubber ring affording a downward facing plane seat for engagement with the rim of a removable liquid container, said ring being continuously connected along its peripheral inner and outer edges to said member and having a portion intermediate of said edges free of the member, a switch actuable by the intermediate portion on moving a container into engagement with the ring, and a suction pump and a liquid inlet connected to said member within the ring to communicate with the container, the suction pump being controlled by the switch.

13. In a fluid dispensing device having a pump, the combination of a substantially closed container having a wall provided with a recess, said recess constituting an externally opening compartment, a tube connected to the container through said wall, seating means for detachably interconnecting the pump and tube, and including a plurality of seatably interengageable members respectively connected to the pump and tube, a flow controlling means including a valve mounted on the element connected to the tube, the latter having a portion movable into and out of said compartment, and said compartment being adapted to wholly receive the seating member of the tube and the flow controlling means.

2,081,160
METHOD AND MATERIAL FOR COATING METAL
Robert R. Tanner, Highland Park, Mich., assignor to Metal Finishing Research Corporation, Detroit, Mich., a corporation of Michigan
No Drawing. Application April 25, 1932, Serial No. 607,511. Renewed August 7, 1936
12 Claims. (Cl. 148—6)

1. The method of coating metal which consists in applying thereto a liquid coating composition containing applied-coating materials that will dry down to form a substantially continuous adherent film, organic liquid, dissolved acidic material, of the class that unites with the metal of the surface to form a substantially insoluble salt of the metal with the evolution of hydrogen, and an oxidizing agent, forming a chemical coating on the metal by the action of said acidic material thereon, substantially eliminating bubbles by the action of said oxidizing agent, and thereafter drying said applied-coating material into a film adhering to said chemical coating.

2,081,161
SUCROSE OCTANITRATE
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, a corporation of New York
Application May 14, 1936, Serial No. 79,759
6 Claims. (Cl. 260—145)

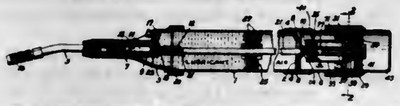


1. As a new article of manufacture, sucrose octanitrate possessing a six-sided plate structure.

2,081,162
ANTENNA
Andrew Alford, New York, N. Y., assignor to Mackay Radio and Telegraph Company, New York, N. Y., a corporation of Delaware
Application April 30, 1935, Serial No. 18,996
9 Claims. (Cl. 250—33)

1. An antenna system comprising a line, and antenna wires connected therewith, and each wire for a considerable portion of its length from the free end being positioned close to the ground so as to have an attenuation per unit length greater than that of the remainder thereof.

2,081,163
LUBRICATING APPARATUS
Frank S. Barks and Victor G. Klein, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application May 22, 1936, Serial No. 81,254
16 Claims. (Cl. 221—47.3)



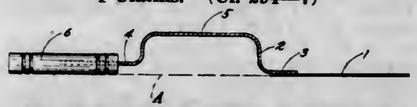
1. In apparatus of the class described, a fluid reservoir, a reciprocating pump at one end of said reservoir adapted to withdraw lubricant from the reservoir and eject it, supporting means on the other end of the reservoir, an operating means passing from said pump through the reservoir and slidably through said supporting means, a follower dividing said reservoir into a lubricant compartment and an air compartment and surrounding said operating means, a control member on said operating means outside of said supporting means, an air power unit, quick-detachable means between said power unit and said supporting means, a movable part on said power unit adapted upon one stroke merely to abut said control member to move the operating means to eject lubricant, and means whereby said power unit applies air to the control member to effect reversal of movement of said control member to prime the pump and return the power unit to starting position.

2,081,164
WAFFLE MOLD
Alfred Bersted, Fostoria, Ohio
Application April 15, 1936, Serial No. 74,413
2 Claims. (Cl. 53—10)



1. A waffle mold comprising a pair of hinged sections having confronting faces, said confronting faces being stamped to form knolls and depressions, and a covering of chromium plating upon each face covering said knolls and depressions to prevent cohesion with the waffle dough.

2,081,165
KITCHEN UTENSIL
Carl E. Bretney, Cleveland, Ohio
Application April 24, 1936, Serial No. 76,243
4 Claims. (Cl. 294—7)



1. A kitchen utensil comprising a flat blade, a handle attached at one end to the blade and a grip on the handle, the under faces of the grip and the blade lying in substantially the same plane, said handle having a portion intermediate the grip and blade formed to substantial U-shape, whereby the yoke of the U-shaped portion is rendered free from contact with the side wall of a cooking vessel in use lying in a plane substantially parallel to the plane of the blade.

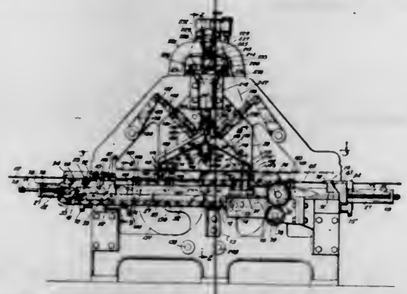
2,081,166
PROCESS OF MAKING ALCOHOLS BY USE OF ETHYL SULPHURIC ACID
Benjamin T. Brooks, Old Greenwich, Conn., assignor to Standard Alcohol Company
No Drawing. Application December 23, 1935, Serial No. 55,792
10 Claims. (Cl. 260—156)

1. Process of making an alcohol, comprising reacting an aliphatic ether with a poly-basic mineral acid to make an alkyl compound containing residual acid hydrogen capable of reacting with olefins, reacting an olefin with the alkyl compound and hydrolyzing the resulting compound to produce an alcohol.

2,081,167
GARMENT HANGER MAKING MACHINE
Louis Brownstein, Brooklyn, N. Y., assignor to Standard Hanger Co., Inc., Brooklyn, N. Y., a corporation of New York
Application November 27, 1935, Serial No. 51,732
20 Claims. (Cl. 140—71)

1. In a garment hanger making machine, means for drawing off and severing lengths of wires alternately from a pair of rolls of wire, means for forwarding a length of wire severed

from one roll to a bending station while the succeeding length is being drawn off the other roll, means for bending the wire into a hanger at the bending station while the succeeding wire is being drawn off a roll and severed by said first-mentioned means, means for simultaneously ad-



vancing the bent hanger to a twisting station and for ejecting a hanger twisted at the twisting station from the machine, and means for twisting the bent hanger advanced to the twisting station while a succeeding hanger is being bent at the bending station.

2,081,168

METHOD OF PREVENTING SCALE DEPOSITIONS AND REMOVING SUCH DEPOSITS FROM METALLIC SURFACES

Boris S. de Mering, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 2, 1932, Serial No. 608,863

4 Claims. (Cl. 87—27)

1. The method of preventing scale depositions and removing such deposits from metallic surfaces which comprises subjecting the surface to the action of an aqueous solution of an ammonium salt of a water soluble sulfonic acid resulting from the treatment of petroleum with concentrated sulfuric acid, said aqueous solution being substantially free from oil and from free acids and containing a sufficient amount of said salt to prevent scale deposition on and to remove such deposits from metallic surfaces.

2,081,169

MANUFACTURE OF ARTIFICIAL MATERIALS

William Alexander Dickie and Percy Frederick Combe Sowter, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application April 26, 1932, Serial No. 607,668. In Great Britain June 23, 1931

13 Claims. (Cl. 18—54)

1. In a process for the manufacture of artificial materials by wet spinning processes from solutions of cellulose acetate, the step of effecting coagulation by means of coagulating media containing 30–40% of acetic acid and 10–20% of ethyl lactate.

2,081,170

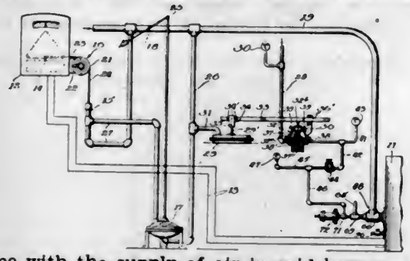
FUEL CONTROL APPARATUS

Henry A. Dreffein, Chicago, Ill.

Application February 29, 1932, Serial No. 595,713

9 Claims. (Cl. 236—15)

1. In a combustion apparatus, a burner, a burner air supply source, a variable pressure burner oil supply source, means for varying the supply of oil delivered to said burner in accord-



ance with the supply of air in said burner, and means for maintaining the burner oil discharge pressure substantially constant.

2,081,171

MANUFACTURE OF ARTIFICIAL MATERIALS

Henry Dreyfus, London, England

Application March 23, 1934, Serial No. 717,072

In Great Britain March 29, 1933

6 Claims. (Cl. 18—54)



1. Process for the manufacture of artificial filaments, threads, ribbons and like materials, which comprises, as a continuous operation, forming the materials by extruding a solution of a filament-forming base in a volatile solvent into an evaporative atmosphere, passing them, while they still retain 25–50% on their weight of a volatile stretch-assisting agent contained in said solution, into a bath containing the same stretch-assisting agent and stretching them during their passage through said bath.

2,081,172

MANUFACTURE OF ARTIFICIAL MATERIALS

Henry Dreyfus, London, England

No Drawing. Application June 13, 1934, Serial No. 730,475. In Great Britain June 23, 1933

8 Claims. (Cl. 8—20)

1. Process for improving the properties of textile materials, which comprises softening artificial filaments, threads, yarns and the like containing an organic derivative of cellulose by treatment with a mixture consisting substantially of at least two liquids of different solvent powers for the organic derivative of cellulose but having substantially the same volatility at the operating temperature, and stretching the softened materials.

2,081,173

MANUFACTURE OR TREATMENT OF ARTIFICIAL MATERIALS

Henry Dreyfus, London, England

No Drawing. Application January 3, 1936, Serial No. 57,453. In Great Britain January 23, 1935

6 Claims. (Cl. 8—20)

1. Process for improving the properties of filaments, threads, ribbons and like materials of cellulose acetate or like filament-forming bases, comprising treating the materials with a mixture consisting substantially of two or more volatile liquids of different solvent powers for the filament-forming base but of substantially the same volatility in the absence of tension sufficient to stretch the materials.

2,081,174

PROCESS OF DEASPHALTING AND DEWAXING PETROLEUM OILS

Carleton Ellis, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 11, 1931, Serial No. 574,365

6 Claims. (Cl. 196—13)

1. The process of treating a hydrocarbon oil containing asphaltic bodies and wax which comprises mixing such oil with a liquefied gas precipitant of the group comprising methane, ethane, propane and butane, and a heavy extraction solvent of the phenol type at a temperature which permits the asphaltic bodies but substantially no wax to separate, removing the precipitated asphaltic bodies, lowering the temperature of the solution in said liquefied precipitant whereby a substantial portion of the wax is caused to separate, removing said wax, removing the liquefied gas precipitant and the heavy extraction solvent from the oil and adding a pour point inhibitor to the oil to condition the residue of wax remaining therein.

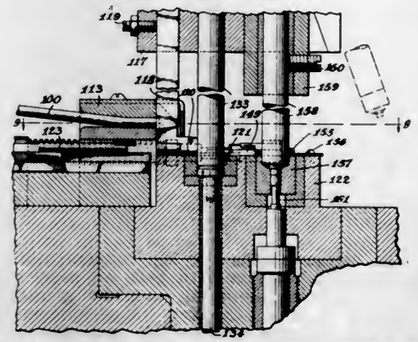
2,081,175

METHOD OF AND APPARATUS FOR FORMING SLUGS AND EXTRUDING TUBES

John H. Fridén, Maplewood, N. J., assignor to The Sun Tube Corporation, Hillside, N. J., a corporation of New Jersey

Application May 28, 1934, Serial No. 727,971

12 Claims. (Cl. 207—10)



1. A method of forming a thin metal tube which comprises severing a section of desired length from a wire formed of extrudable material, depositing said section on its side as distinguished from its end in a die, said section when so deposited filling only a portion of the cross-sectional area of the die, flattening the section within the die to form a slug substantially filling the area of the die, and forcing a punch against the slug to extrude the same.

2,081,176

FUEL OIL

Amiot P. Hewlett, Cranford, and Charles H. Cole, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 30, 1933, Serial No. 704,786

11 Claims. (Cl. 44—8)

1. A fuel oil of less than 40 seconds viscosity Saybolt at 100° F. forming a high carbon residue, containing from 0.1 to 5.0% of an added soluble hydrocarbon, liquid at ordinary temperature, of substantially higher boiling point than said fuel oil and also having a kauri butanol solvent power above about 15, said soluble hydrocarbon being capable of reducing the coke residue of the fuel oil.

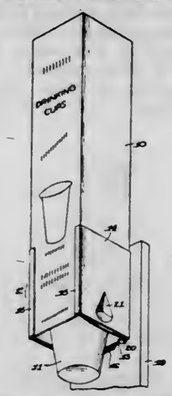
2,081,177

CUP DISPENSER

Samuel N. Hope, Wauwatosa, Wis., assignor to Griffith-Hope Company, West Allis, Wis., a corporation of Wisconsin

Application February 14, 1935, Serial No. 6,432

5 Claims. (Cl. 312—43)



2. A dispenser for nested paper cups and the like, comprising a holder into which a bottom-opening cup package is insertable and having a wedging portion slidably engageable with the entering package for deflecting a lower side portion of the package inwardly into frictional engagement with the lower cups, and stop means for limiting the movement of the package into the holder to insure a predetermined inward deflection of the lower side portion of the package by said wedging portion of the holder.

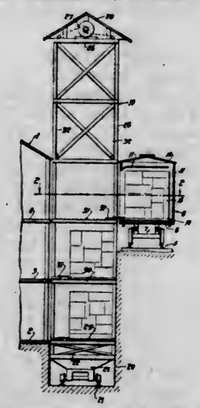
2,081,178

APPARATUS FOR UNLOADING AND LOADING RAILWAY VEHICLES

Iver E. Kullerstrand, Chicago, Ill.

Application March 11, 1935, Serial No. 10,419

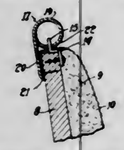
15 Claims. (Cl. 214—38)



1. In an apparatus of the kind described, a plurality of vertically spaced supports each adapted

to receive a merchandise receiving platform, a railway vehicle having a bottom also adapted to receive a merchandise receiving platform, means for positioning any one of said supports in the plane of said vehicle bottom, and a power operated tractor laterally movable on each support and adapted to be detachably connected to an associated platform so as to shift the platform either to remove the same off the vehicle bottom onto the support positioned in the plane of said bottom or off said support onto the car bottom.

2,081,179
EDGE BEADING FOR FURNITURE
Lewis Larsen, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass., a corporation of Massachusetts
Application January 20, 1936, Serial No. 59,805
6 Claims. (Cl. 155—184)



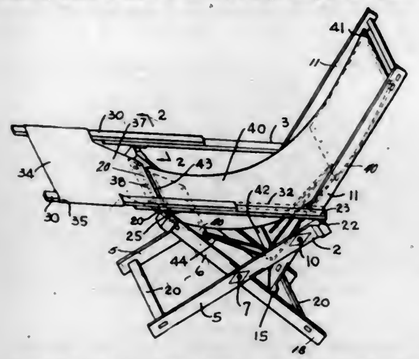
6. A beading strip for the purpose described and made from a strip of sheet material, one margin of which is formed to provide a tubular body, the other margin being formed to provide a web projecting tangentially from the body and terminating in a bent over flange.

2,081,180
TEXTILE SIZE
Henry Leupold, Nutley, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application July 19, 1935, Serial No. 32,235
9 Claims. (Cl. 91—68)

5. In a process for producing a water-soluble size upon cellulosic rayon fibers the step which consists in treating rayon fibers with a water-soluble size obtained by mixing a urea compound with an aldehyde in the presence of a water-soluble soap of a member of the group consisting of fatty acids, sulfonated fatty acids and sulfonated fatty oils in an amount sufficient to maintain the size in a water-soluble state on the fibers.

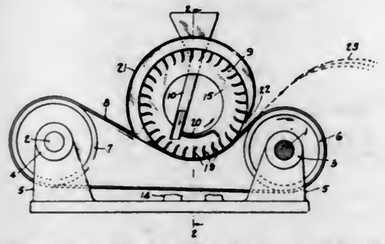
2,081,181
CAMP CHAIR
Albert Samuel Long, Abbeville, La., assignor of one-half to D. H. Caldwell, Abbeville, La.
Application July 6, 1934, Serial No. 733,950
1 Claim. (Cl. 155—117)

In a folding camp chair the combination of a frame, said frame being composed of two parallel connected side sections, each section comprising a pair of pivoted crossed legs, an arm member having an extention member thereon, said arm member being hinged to the upper end of one of said legs and slidably connected to the upper end of the other of said legs, and a back member pivoted adjacent the upper end of one of said legs, means to adjustably engage said back member with the other of said legs whereby the frame is maintained in open form, a plurality of connecting bars between said side sections, a support fabric, means to adjustably connect the ends of said fabric to form a continuous triangular loop about some of said bars to form a seat and back, one of said bars spacing one corner of the loop substantially away from the opposite side portion, and a foot rest having loops adapted to



be slipped over the arm extension members whereby said foot rest forms a continuation of the seat.

2,081,182
APPARATUS FOR ORE SEPARATION OR CONCENTRATION
Sven Malke, Milwaukee, and Eric A. Kjellgren, West Allis, Wis., assignors to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application March 13, 1935, Serial No. 10,756
2 Claims. (Cl. 209—120)

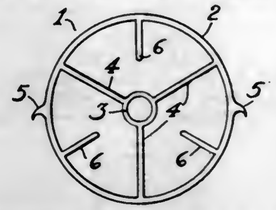


1. In an apparatus for the concentration of ores, the combination of a belt, an accelerator wheel in contact therewith and having radially extending openings through its periphery, said belt being adapted to close the openings in the rim of said wheel over the area in which it contacts with the wheel, and a stationary feed pipe to feed ore radially outwardly into the openings in the rim of the accelerator wheel, said feed pipe being provided with an extension forward in the direction of rotation of the wheel to close the inside of the openings in the rim of the accelerator wheel for a substantial distance.

2,081,183
PLATE SUPPORT FOR PLATE AND FRAME PRESSES
Audsley V. Rhodes, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 20, 1935, Serial No. 50,701
1 Claim. (Cl. 210—188)

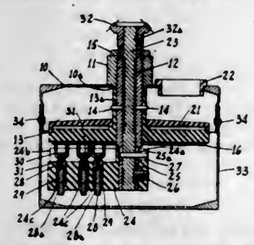
In a frame and plate filter press means for preventing distortion of the plates comprising a ring adapted to be interposed between the respective plates, having inner and outer annular members connected by a plurality of spaced bars extending radially outward from the inner annular

member and a plurality of bars spaced with relation to each other and to those first mentioned, extending radially inward from the outer annular member with their ends in spaced relation to



the inner annular member and of the same width as the annular members whereby said annular members separate one plate from the other and said bars form a bearing surface for the filter plates and the blankets thereon.

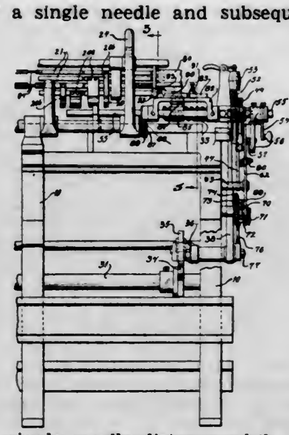
2,081,184
ELECTRIC CIRCUIT CONTROLLER
Raymond W. Ross, Philadelphia, Pa., and Sigurd H. Seberhagen, deceased, late of Philadelphia, Pa., by Sophie Seberhagen, executrix, Philadelphia, Pa., assignors to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania.
Application January 23, 1935, Serial No. 3,194
10 Claims. (Cl. 200—11)



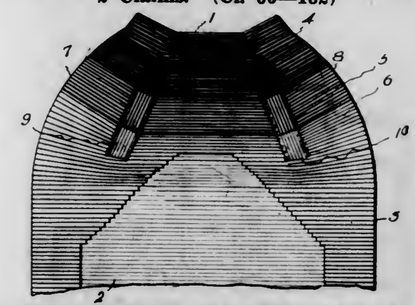
1. In an electric circuit controller having relatively movable contact structures, one of which has a pair of spaced contact elements insulated from each other, and the other of which has a recess opposed to said pair of contact elements, the combination of a spherical headed plunger reciprocably mounted in said recess and having a pin secured in its head, a substantially U-shaped contact element loosely pivoted on said pin, said contact element being so disposed that relative movement of said contact structures effects a bridging engagement and disengagement of said pair of contact elements by said U-shaped contact element, and a helical spring surrounding said plunger for biasing it toward said pair of contact elements.

2,081,185
NARROWING MECHANISM
Richard Schletter, North Wales, Pa., assignor to Walls Hosiery Company, North Wales, Pa.
Application November 10, 1934, Serial No. 752,399
15 Claims. (Cl. 66—89)

1. In combination with the narrowing mechanism of a full fashioned footer knitting machine having a pair of narrowing combs corelated to form a toe gore in the foot of a full fashioned stocking, mechanism operatively associated therewith whereby the two combs will be simultaneously given a single needle narrowing motion, then one of said combs retracted the distance of a single needle and subsequently advanced a single needle distance while the other comb remains stationary.



2,081,186
REENFORCED STOCKING TOE FABRIC
Richard Schletter, North Wales, Pa., assignor to Walls Hosiery Company, North Wales, Pa.
Application December 28, 1934, Serial No. 759,519
2 Claims. (Cl. 66—182)

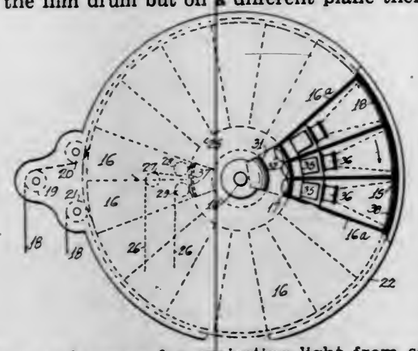


1. A reenforced full fashioned stocking toe consisting of a reenforced inner toe fabric, an intermediate toe fabric reenforced to a greater extent than the inner toe fabric, and an outer toe fabric more heavily reenforced than the intermediate toe fabric, said fabrics comprising a plurality of narrowing courses having loops transferred inwardly of the fabrics to provide toe gores therein, the loops forming said toe gores being transferred the distance of one wale and the loops outside the toe gores being transferred the distance of two wales, and fashion lines defining the sides of each gore, those portions of the fashion lines positioned in the heavily reenforced outer toe fabric including only single pairs of interengaging loops with no loop crossing the latter from the region outside the toe gore into the region inside thereof.

2,081,187
PHOTOADDRESSING SYSTEM
Robert Stuart, Forest Hills, N. Y.
Application October 28, 1935, Serial No. 47,040
6 Claims. (Cl. 88—24)

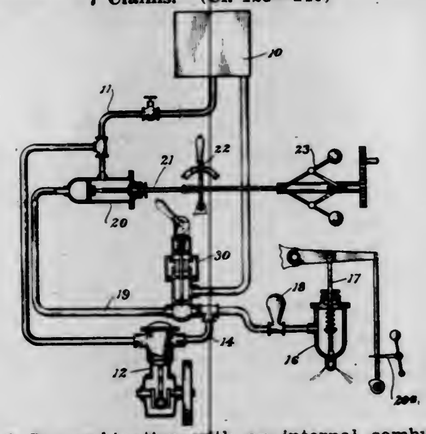
1. A system for printing photographic enlargements comprising a printing wheel with a drum for receiving a motion picture film and having a source of illumination in the center thereof, in combination with an enlarged drum for receiving

a band of printing paper and located on the axis of the film drum but on a different plane there-



from, and means for projecting light from said source through said film, upon said band, as said wheel rotates.

2,081,188
FUEL INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES
Brooks Walker, Piedmont, and Harry E. Kennedy, Berkeley, Calif.; said Kennedy assignor to said Walker
Application July 24, 1929, Serial No. 380,581
7 Claims. (Cl. 123—140)

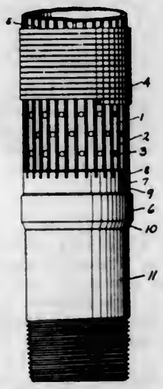


1. In combination with an internal combustion engine or the like, a fuel conduit conveying fuel under pressure to said engine, a relief valve in said conduit for controlling said pressure, said relief valve being positioned to bypass a portion of the fuel in said conduit and lead said portion elsewhere than to the combustion chamber of said engine, the pressure of the fuel within said conduit exerting a force tending to open said relief valve, centrifugally actuated elements rotatably connected to said engine and non-yieldably connected to said valve to directly resist the movement of said valve by a force which increases with an increase of engine speed.

2,081,189
DEHYDRATING ALCOHOLS
Peter J. Wiezevich, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 28, 1935, Serial No. 56,425
3 Claims. (Cl. 202—68)

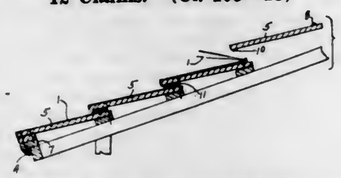
1. The method of dehydrating lower aliphatic alcohols miscible with water which comprises vaporizing same and contacting the vapors with a countercurrent stream of saturated aqueous solution of pearlash and condensing the dehydrated alcoholic vapors.

2,081,190
WELL SCREEN
Hill D. Wilson, Houston, Tex.
Application June 15, 1936, Serial No. 85,217
3 Claims. (Cl. 166—8)



1. A screen pipe comprising a support having raised ribs on its surface, a wire wound about said support on said ribs, and a solid collar secured on said support abutting said wire at the end of the winding thereof, said collar having a part of the same radial thickness as said ribs, and slotted to receive the ends of said ribs, said part projecting beneath the end portion of said winding into inter-engagement with the end portions of said ribs.

2,081,191
ROOF AND WALL SURFACE
Lloyd Wright, Los Angeles, Calif.
Application March 23, 1936, Serial No. 70,449
12 Claims. (Cl. 108—13)

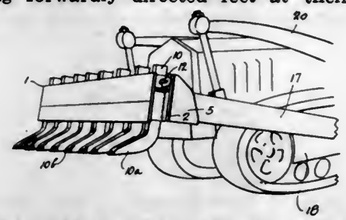


2. A surface including interlocking core members having spaced tension portions, relatively thin sheet metal or foil applied to the core members between the adjacent portions of the core members, and means for securing the core members in position.

2,081,192
ROCK BLADE FOR BULLDOZERS
George S. Allin, Seattle, Wash., and Theodore Patrick Flynn, Portland, Oreg.
Application November 26, 1935, Serial No. 51,640
3 Claims. (Cl. 262—8)

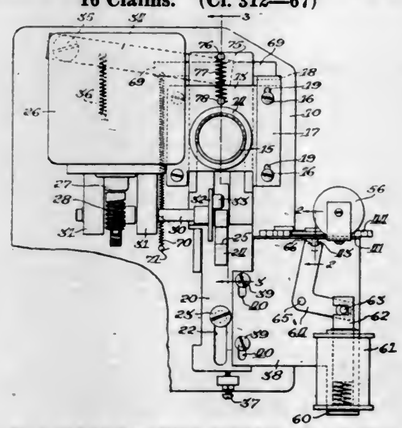
1. The combination with a tractor, of a frame supported from and extended forwardly of the tractor, a mold board mounted by the frame at its forward end and extended transversely of the tractor in a substantially vertical plane, a plurality of ground ripping teeth with vertical

shanks adjustably fixed in the mold board and having forwardly directed feet at their lower



ends, and means on the tractor for vertically adjusting said frame to elevate or lower the teeth into the ground.

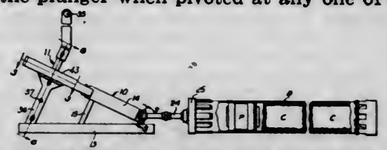
2,081,193
CHECK HANDLING APPARATUS
Charles J. Breitenstein and Donald E. Hooker, Chicago, Ill., assignors to Raymond T. Moloney, Chicago, Ill.
Application March 14, 1936, Serial No. 68,852
16 Claims. (Cl. 312—67)



1. In a check handling apparatus including an upright magazine and a main slide movable to and fro across one end thereof to receive and eject checks therefrom, a motor device having means to drive the main slide, the combination therewith of a pack of superimposed movable auxiliary slides operatively associated with the main slide and the magazine to receive and move additional checks from the magazine, and means carried on the main slide for moving one or more of the auxiliary slides when the main slide is moved, said last mentioned means being movable crosswise of the path movement of the slides to engage the ends thereof and also being bodily movable with the main slide.

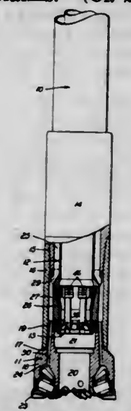
2,081,194
CORE PUMP
Alfred C. Catland, Alhambra, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application August 21, 1934, Serial No. 740,797
6 Claims. (Cl. 103—38)

1. Mechanism for operating a core pump having a plunger including a lever for operating the plunger, a fixed support having openings spaced different distances from the axis of movement of the plunger, a removable pin adapted to be inserted in the openings to pivotably connect the lever to the support at any one of a plurality of spaced points, and means pivotably and shiftably connecting the lever with the plunger whereby the lever may be adjusted longitudinally to operate the plunger when pivoted at any one of said



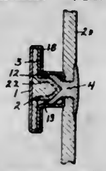
points, the last named means including a bearing pivotably connected with the plunger and having an opening shiftably passing the lever.

2,081,195
CORE RECOVERING TOOL
Alfred C. Catland, Alhambra, and John H. Howard, Huntington Park, Calif.; said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application June 21, 1935, Serial No. 27,704
16 Claims. (Cl. 255—72)



1. In a core drill having a tubular bit head for making an annular cut in the earth formation and an inner barrel for receiving the core, the combination of, a tubular bearing member secured to the lower end of the inner barrel rotatably bearing in the head to support the inner barrel, and a core catcher including a body rotatably arranged at the lower end of the member, and gripping members connected with the body and disposed in the member to be actuated against the core through cooperation with the member.

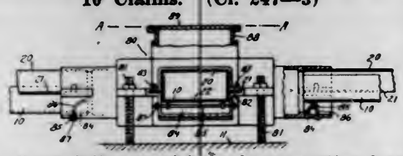
2,081,196
TACK BUTTON
Max Emsig, Brooklyn, N. Y.
Application September 27, 1935, Serial No. 42,488
5 Claims. (Cl. 24—95)



4. In a button, the combination with a front comprising a flat portion and a marginal flange at right angles thereto, of a back comprising a central cylindrical housing and a substantially flat marginal flange extending outwardly at right angles to said houring, said housing having a

hole for the entrance of a portion of an anvil at one end and a smaller preformed central hole for the entrance of a tack at its other end, an anvil having a central tack spreading projection and a flat peripheral portion substantially co-extensive radially with the said flange of said back, and a tack, the flat marginal portions of said front and back lying flat against opposite sides of said anvil and secured together by said front, the said flat portions of said front and back lying within the said marginal flange of said front and secured by the inwardly bent edge of said marginal flange of the front, said projection on said anvil extending within said housing, the side walls of the projection being spaced from the side walls of the housing and the tack entering the said housing through its said smaller hole and spread by said anvil, the spread portion of said tack being entirely within said housing and in the space between the side walls of the projection and of the housing.

2,081,197
FLOOR CONDUIT
Robert A. Goeller, Larchmont, N. Y.
Application February 17, 1933, Serial No. 657,206
10 Claims. (Cl. 247—3)



3. A conduit comprising a lower section having upstanding sides, an upper section having sides overlapping the sides of the lower section, and means for adjusting the relative vertical position of the sections.

2,081,198
FILTER
Otto W. Hahn, San Francisco, Calif.
Application November 27, 1933, Serial No. 699,912
3 Claims. (Cl. 210—169)



1. A filtering element for fluids comprising a helix of wire, means arranged and adapted to space the adjacent coils of the helix and to rigidly support the helix against axial elongation and lateral distortion, said means comprising plates perpendicularly disposed relatively connected on the axis of the helix with the outer edges of the plates engaging the inner sides of the helix from end to end thereof.

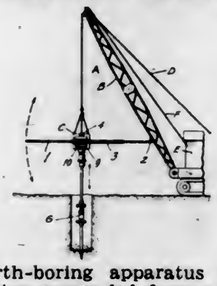
2,081,199
ATTACHMENT FOR PRODUCING A NATURAL RIDGE IN HAIR
Kenneth L. Heath, Edmonds, Wash., assignor of one-fourth to Coletta Frank, Edmonds, Wash.
Application December 19, 1934, Serial No. 758,312
1 Claim. (Cl. 132—33)

As an article of manufacture, a wave-plate V-shaped in cross section and having a concave curvature at its ridge extending longitudinally of the plate, said plate having straight parallel feathered edges for a major portion of its length



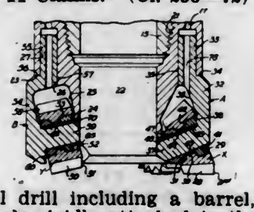
terminating in curved ends for the plate, and said plate also having laterally flared portions between said ends and the intermediate portion of the plate.

2,081,200
EARTH-BORING APPARATUS
Denzil M. Hollingsworth, St. Louis, Mo., assignor to Equipment Rental Corporation, St. Louis, Mo., a corporation of Missouri
Application January 2, 1937, Serial No. 118,701
4 Claims. (Cl. 255—19)



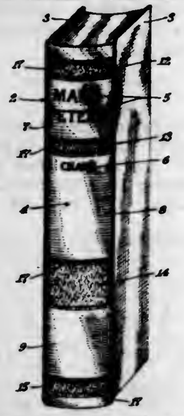
1. An earth-boring apparatus comprising a boom, a motor suspended from said boom and adapted for vertical movement, a torque arm movably connected to said motor and said boom, one of said connections being a slidable one, a cable structure connected to said motor and said torque arm, and an earth-boring tool connected to and operable by said motor.

2,081,201
CORE DRILL HEAD
John H. Howard, Huntington Park, and Alfred C. Catland, Alhambra, Calif., assignors to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application May 25, 1934, Serial No. 727,500
11 Claims. (Cl. 255—72)



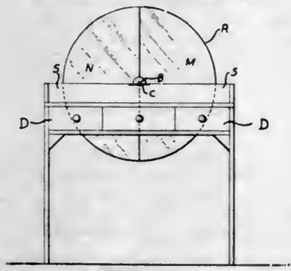
1. A well drill including a barrel, a tubular bit head body rigidly attached to the lower end of the barrel to form a continuation thereof and having a downwardly facing shoulder, there being a socket in the body extending upwardly from the shoulder, a carrier projecting downwardly in spaced relation to the side wall of the body and having its upper end bearing upwardly against said shoulder, a stem integral with the carrier extending into the socket, a cutter carrying pin on the carrier projecting inwardly from the carrier, and means attaching the inner end portion of the pin to the said side wall of the body.

2,081,202
BOOK
Ethel P. S. Hoyt, Darien, Conn.
Application November 18, 1935, Serial No. 50,261
1 Claim. (Cl. 41—34)



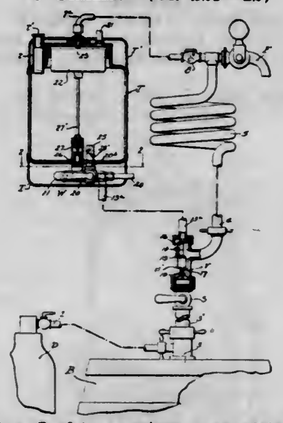
A book completely bound and back-stamped for sale and distribution and having separately attached to its back over its original binding a series of thin flexible strips of a binding material which is continuous, imperforate and self-supporting and in contrast with the material of the original binding, said strips being dimensioned and positioned at the top, bottom and intermediate portions of the book back above and below the back stampings presenting the original binding material as bindings bearing the back-stampings and giving the back of the book the appearance of having a binding of the attached strip material.

2,081,203
DRESSING TABLE WITH ROTATABLE MIRRORS
John P. Kane, New York, N. Y.
Application March 19, 1935, Serial No. 11,803
3 Claims. (Cl. 88—88)



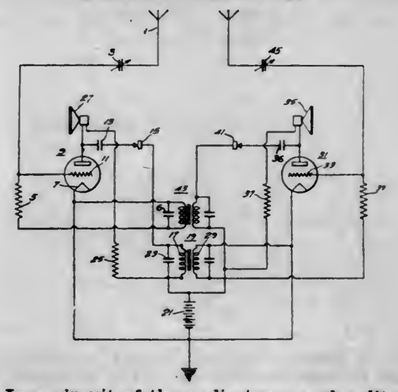
1. A dressing table comprising a table, a bearing mounted on the rear of said table, a substantially horizontal shaft supported by said bearing, a rotatable member having its center connected to said shaft and adapted to be rotated in a substantially vertical plane, a plurality of mirrors carried by one side of said member and constituting a unit, said mirrors having different light reflecting properties, and a substantially vertical stationary shield secured to said table in front of said unit, said shield being so shaped and so positioned as to selectively expose one of said mirrors to the view of a person seated in front of said table and to cooperate with said table to obstruct the view of the other mirrors.

2,081,204
PIPE FLUSHING SYSTEM
Thomas Nigbor, Milwaukee, Wis., assignor, by mesne assignments, to Julius K. Egerman
Application March 26, 1934, Serial No. 717,413
6 Claims. (Cl. 225—12)



5. A pipe flushing system comprising a liquid line including a pipe having an admission portion and an adjacent branch for cleansing liquid, a valve operable by liquid in said branch for closing communication between said pipe and said admission portion, a faucet with which said pipe communicates, a supply tank comprising an air trap and having a check valved connection communicating with said pipe adjacent said faucet, means for admitting a flushing liquid to the tank to compress air therein for delivery through said connection to said pipe adjacent the faucet for the displacement of liquid from said pipe through the admission portion thereof, means for excluding flushing liquid from said connection, and means operable following the displacement of liquid from said pipe for admitting flushing liquid through said branch to actuate said first mentioned valve to cut off communication between said pipe and the admission portion thereof and to provide for a flow of flushing liquid through said pipe toward said faucet.

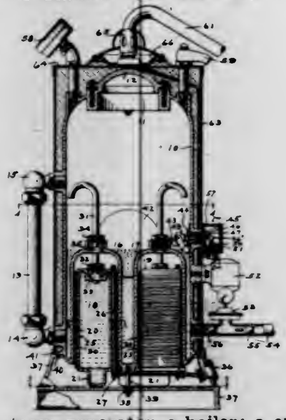
2,081,205
RADIO CIRCUIT
Hans Marsiske, Furstenwalde/Spree, Germany
Application June 9, 1934, Serial No. 729,842
In Germany June 19, 1933
6 Claims. (Cl. 250—9)



5. In a circuit of the radio type, a plurality of

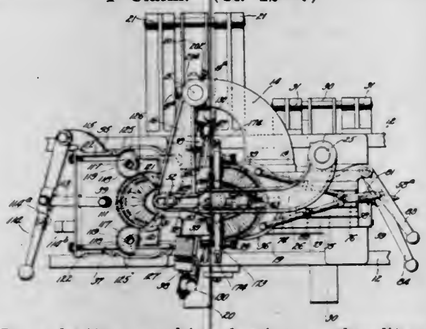
electron discharge devices each arranged to perform a different function in sequence and means enabling a different order of said devices to simultaneously perform a similar sequence of functions.

2,081,206
ELECTRIC STEAM BOILER
Thomas J. Parker, Indianapolis, Ind., assignor of three-fourths to Joe Waldner, Indianapolis, Ind.
Application May 2, 1936, Serial No. 77,505
4 Claims. (Cl. 219—38)



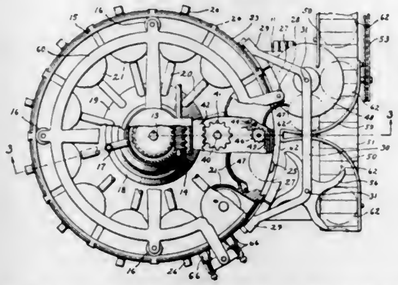
3. In a steam generator, a boiler; a cylindrical flue extending vertically into the boiler from its base and closed at its top end; a water cylinder; a cylindrical core in the water cylinder; a water conducting goose-neck integrally extending from the underside of the water cylinder under said boiler to carry water therefrom; means for locating the angularity of the groose-neck on the boiler to position the cylinder centrally in said flue; an electrical resistance winding about the outside of said core as close to the water cylinder as possible without making electrical contact therewith; an insulating wrapping between the cylinder and the winding; and a pipe extending from the top of said cylinder through said flue top into said boiler.

2,081,207
LASTING MACHINE
James H. Reed, Marblehead, Mass.; Annie L. Hosmer administratrix of said James H. Reed, deceased
Application August 10, 1934, Serial No. 739,247
1 Claim. (Cl. 12—7)



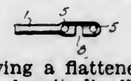
In a lasting machine having a plurality of wiper fingers arranged collectively to engage substantially the complete margin of the upper of a shoe on a last, means whereby the several fingers may be moved inwardly of the edges of the shoe over the bottom thereof, the combination therewith of a last support having a substantially spherical portion adapted to engage a socket in a last, and an arm carried by said support adapted to engage the top of the last.

2,081,208
MEANS FOR CONTINUOUSLY CLOSING AND SEALING VACUUM JARS
Michael C. Regan, Califon, N. J.
Application December 19, 1933, Serial No. 703,103
1 Claim. (Cl. 226—82)



In a vacuum sealing machine, a revolving turret, a plurality of vacuum chambers, an opening in each chamber for admitting a container, means during the motion of the turret whereby a container may be admitted to a single chamber, means for closing the chamber, flexible tube connected means for exhausting the air during the balance of rotation of the turret, means having a hole for breaking the vacuum, cam-operated means for sealing the container, and rack-and-gear operated means for ejecting the container from the machine, a fixed track and an outer revolvable body member, each chamber having as the chamber closing means a vertically-sliding door held in guides and resting on a stop member when closed, each door having a roller rotatably mounted on a horizontal bearing on its outside surface, each said roller being adapted to run in said track when the door is open, said track being arc-shaped and extending partly around and parallel to said revolvable body member.

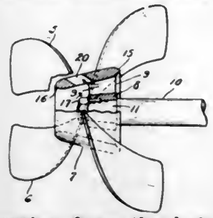
2,081,209
LACING AWL
George L. Wilhelm and Burton R. Andrus, Eugene, Oreg.
Application January 15, 1934, Serial No. 706,652
1 Claim. (Cl. 223—103)



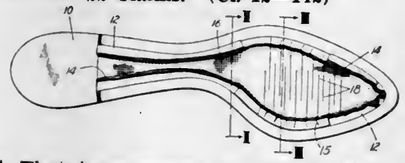
A lacing awl having a flattened head formed with spaced eyelets longitudinally alined in the head and a recess intermediate the eyelets and opening in a direction at right angles to the axes of the eyelets.

2,081,210
ROTARY PROPELLER
J U Williams, Jr., Los Angeles, Calif.
Application June 22, 1936, Serial No. 86,499
3 Claims. (Cl. 170—172)

1. In a propeller, a hub construction including a frusto-conical open-ended shell having a main air passage extending longitudinally through it, there being auxiliary air passages leading through the wall of said shell and positioned with their intake ends toward the end of said shell which is greatest in diameter; and propelling blades mounted upon said shell, said auxiliary air passages all emerging from the hub between the inner ends of said blades and being inclined towards one side only with relation to the direction of rotation of the propeller, thereby creating cross currents of air which increase the propulsive force of said propelling blades.



2,081,211
SHOE AND THE MANUFACTURE THEREOF
Oscar C. Adams, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 27, 1936, Serial No. 66,073
22 Claims. (Cl. 12—142)



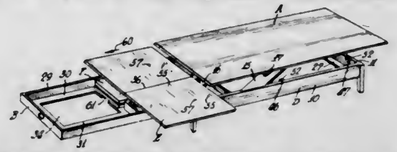
4. That improvement in methods of making insoles which comprises forming inside and outside channel flaps on the outer surface of an insole, removing the outside flap at the ball portion of the insole, and turning up the inside flap and the remaining portion of the outside flap and securing them together to form a lasting rib.

11. An insole having a single ply lasting rib at its ball portion and a two-ply rib forwardly and rearwardly of said ball portion.

22. That improvement in methods of making shoes which comprises providing an insole having inside and outside channels in its outer surface forming inner and outer channel flaps, the outer flap being removed at the ball portion of the insole, said insole also having transverse incisions in its ball portion to increase its flexibility, said incisions severing adjacent portions of the inner flap and said flaps being secured together in upstanding relation to provide a two-ply rib at the toe and shank portions of the insole and a single ply rib at the ball portion, the outer surface of the insole and the inner side of the rib being reinforced with fabric material which has transverse incisions cut therein corresponding to those in the body of the insole, securing a shoe upper to the rib to hold the upper in lasted relation to the insole, and laying the single ply rib with the upper attached thereto back into its channel at the ball portion of the shoe bottom to increase the flexibility of said portion.

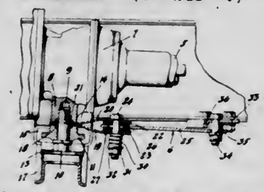
2,081,212
TABLE CONSTRUCTION
Peter Albano, Pelham Manor, N. Y.
Application January 22, 1936, Serial No. 60,170
10 Claims. (Cl. 311—59)

2. An expansible table construction, including a top, a support for said top, legs for said support, a side or lateral extension leaf and an end or longitudinal extension leaf, a connection between said top and support enabling said top to be moved sidewardly both laterally and longitudinally, interengaging means to enable said leaves to be fixed in position along the side and end of top after the top has been moved and



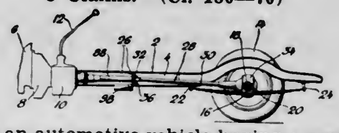
compartment means to receive said leaves when not in use, said connection including slotted beams extending obliquely across said support directly under said top and on both sides of the diagonal of said top and support, and said top being provided with keys fitting into the slots in said beams.

2,081,213
ENGINE STABILIZER
Benjamin H. Anibal, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 28, 1934, Serial No. 727,902
6 Claims. (Cl. 248—7)



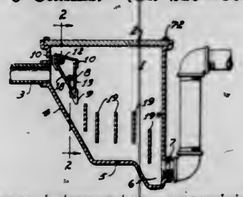
1. An independent longitudinal movement resistor having no supporting action for a motor resiliently mounted in a frame comprising two diverging arms secured to the motor and extending longitudinally thereof, a longitudinally extending strap secured to the frame and having its opposite end extending between the diverging arms and connected thereto through a lost motion connection to allow relative movement, and means secured between each of the arms and the strap end to resist relative longitudinal movement between the arms and strap.

2,081,214
ARTICULATED PROPELLER SHAFT
Benjamin H. Anibal, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 24, 1936, Serial No. 102,322
8 Claims. (Cl. 180—70)



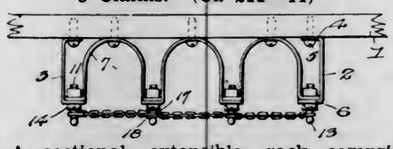
1. In an automotive vehicle having a rear axle, an engine and a transmission connected to the engine, a drive shaft from the transmission to the rear axle to transmit the power of the engine, a universal joint in said shaft intermediate its ends, a slidable splined connection between the shaft and the transmission, a supporting housing secured at one of its ends to the transmission housing, its other end being free and unsupported, said shaft passing through said housing, and means in the free end of the housing to support the shaft.

2,081,215
GREASE INTERCEPTER
Edward W. N. Boosey, Detroit, Mich.
Application June 22, 1934, Serial No. 731,918
6 Claims. (Cl. 210—56)



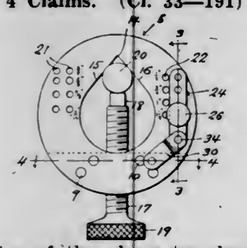
1. A grease intercepter comprising a hollow body having an inlet on one side thereof near the top and an outlet opening thereinto on the opposite side at the bottom, a baffle within the body adjacent the inlet arranged to direct the inflowing fluid downwardly in a comparatively shallow stream along the bottom of the body, a baffle adjacent the outlet spaced from both the bottom and the top and intercepting the said flowing stream to provide a turbulent condition thereof adjacent the outlet, the practical segregation of the said stream in its flow across the bottom of the body providing a time period permitting oils and greases to rise into the body of the liquid whereby the liquid passing from the intercepter is practically freed of its oil and grease content.

2,081,216
RUG DISPLAY RACK
Walter H. Bosserman, Winchester, Va.
Application October 7, 1936, Serial No. 104,511
5 Claims. (Cl. 211—44)



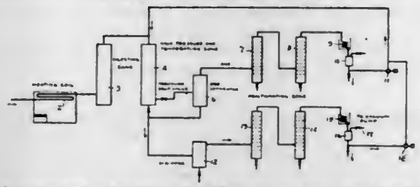
4. A sectional, extensible, rack comprising spaced, flanged end-brackets and intermediate U-shaped yokes having alined end flanges, the flanges of adjoining yokes being lapped and the outer flanges of the outermost yokes being lapped in relation to adjoining flanged end-brackets, bolts rigidly fastening together the upper portions of the lapped flanges, and angular bolts fastening together the lower portions of the lapped flanges, said angular bolts performing the functions of hooks, and confining chains having their end links slipped over adjoining hocks.

2,081,217
CENTER PUNCH
Percy B. Botting, Sr., Troup, Tex.
Application November 23, 1935, Serial No. 51,338
4 Claims. (Cl. 33—191)



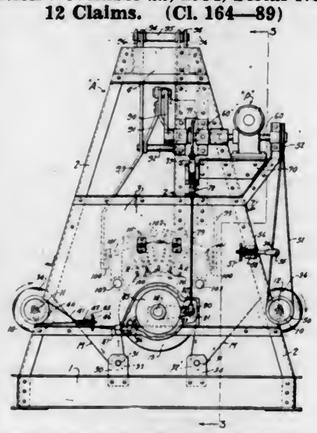
1. A device of the character described comprising a body, said body being formed with a rod receiving opening, a center punch arm adjustably mounted on said body, a punch point carried by the arm and arranged to be positioned at the axial center of the end of a rod disposed in said opening by adjustment of said center punch arm to a position on said body determined by the diameter of the rod, and a latch on said body engageable with said punch arm to hold said punch arm in an inoperative position.

2,081,218
METHOD FOR STABILIZING MOTOR FUEL AGAINST GUM FORMATION
Robert E. Burk, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application December 23, 1933, Serial No. 703,713
1 Claim. (Cl. 196—50)



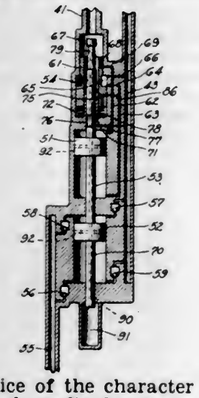
A process of gum-stabilizing motor fuel, which comprises heating heavy hydrocarbons to cracking temperature, digesting the hot hydrocarbons under pressure in an unheated zone, passing the products to a further pressure zone without temperature increase, maintaining the products from such pressure zone in fluid state, then dropping the pressure, fractionating gasoline from the products, and passing such gasoline again through said pressure zone to contact with the hot freshly cracked fluid products.

2,081,219
COMPOUND-INTRUSIVE POROSITY MACHINE AND METHOD
Frank Jermain Chandler, Toledo, Ohio, assignor to The Perfotex Company, Toledo, Ohio, a corporation of Ohio
Application November 22, 1934, Serial No. 754,380
12 Claims. (Cl. 164—89)



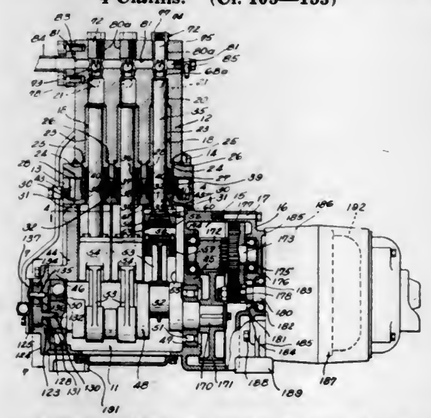
1. A multiple intrusive perforating machine comprising a carrier having a plurality of intrusive perforating points, means operable recurrently to cause said carrier to move across the material and out of contact therewith and concurrently perforate the material, adjustable means for causing said points to enter into perforating engagement with material and means operable to advance the material in step by step manner when the points are out of contact with the material.

2,081,220
LIQUID OPERATED PUMP
Clarence J. Coberly, Los Angeles, Calif., assignor, by mesne assignments, to Ro Ko Corporation, Reno, Nev., a corporation of Nevada
Application July 18, 1932, Serial No. 623,171
34 Claims. (Cl. 103—46)



1. In a device of the character described, the combination of: walls forming a cylinder and including heads at either end thereof; a piston sliding in liquid-tight relationship in said cylinder between said heads; a piston rod rigidly secured to said piston and passing through both the upper and the lower heads in slidable, liquid-tight relationship with said heads; a passage extending through said piston rod; a wall surrounding said piston rod after it has passed through one of said heads and forming a lubricating liquid cavity about said rod; and means for delivering lubricating liquid to said cavity through said passage in said rod.

2,081,221
HIGH PRESSURE PUMP
Clarence J. Coberly and Clyde F. Hanson, Los Angeles, Calif., assignors, by mesne assignments, to RoKo Corporation, Reno, Nev., a corporation of Nevada
Application January 31, 1933, Serial No. 654,432
4 Claims. (Cl. 103—153)



1. A device of the character described, including: walls forming an annular chamber, there being fluid passages leading from said chamber; an end wall for said chamber having three substantially equally spaced valve ports therein communicating with said annular chamber; three ball members within said chamber, each being disposed in a position to close one of said ports and projecting a distance thereinto; means for resiliently forcing said ball members toward said ports, comprising a ring member encircling said chamber and engaging said ball members, and resilient means urging said ring member toward said ball members and means for limiting the outward movement of said ring member to less than said distance.

2,081,222
VALVE FOR FLUID OPERATED PUMPS
Clarence J. Coberly, Los Angeles, Calif., assignor to RoKo Corporation, Reno, Nev., a corporation of Nevada
Application April 11, 1934, Serial No. 720,060
16 Claims. (Cl. 103—230)

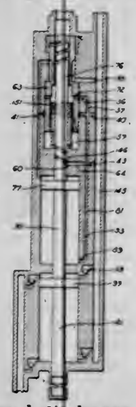


1. A valve device of the character described, including: a cylinder block having a bore with intake and discharge valve means at the outer end thereof and a counterbore at the inner end thereof; a tubular liner adapted to fit said bore, said liner having a flange at the inner end thereof to pass into said counterbore and limit the outward movement of said liner in said bore; a body adapted to be secured against the inner end of said cylinder block, said body having an opening aligned with said bore, there being a shoulder adjacent said opening; securing means for forcing said body against the inner end of said cylinder block; an annular member in said opening and engaging said shoulder of said body and the inner end of said liner; and sealing means for preventing a flow of fluid through said bore outside of said liner, said sealing means being actuated in response to the forcing of said body against said cylinder block.

2,081,223
FLUID OPERATED DEEP WELL PUMP
Clarence J. Coberly, Los Angeles, Calif., assignor to RoKo Corporation, Reno, Nev., a corporation of Nevada
Application April 11, 1934, Serial No. 720,061
14 Claims. (Cl. 103—46)

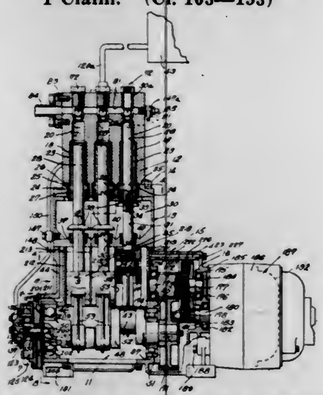
1. A deep well pump of the character described, including: a vertically elongated tubular structure having a power cylinder and a pumping cyl-

inder formed therein; a power piston in said power cylinder; a pumping piston in said pumping cylinder; a rod connecting said pistons together; valve means operative to control the delivery of fluid pressure to said power cylinder to actuate said power piston; check valve means for con-



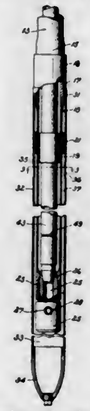
trolling the inlet and discharge of pumped fluid relative to said pumping cylinder; and walls forming dashpots at both ends of said power cylinder for controlling the ends of the reciprocating movement of said power piston therein.

2,081,224
PRESSURE PUMP
Clarence J. Coberly, Los Angeles, and Clyde F. Hanson, Maywood, Calif., assignors to RoKo Corporation, Reno, Nev., a corporation of Nevada
Application October 8, 1934, Serial No. 747,344
1 Claim. (Cl. 103—153)



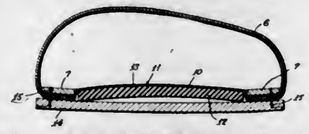
A high pressure pump of the character described, including: a power mechanism having a cross-head reciprocating vertically and a stem projecting upwardly from said cross-head; a cylinder block having a bore facing downwardly toward said stem; a wall defining a space between said bore and said power mechanism having an opening through which said stem passes; a piston extending from the upper end of said stem into said bore; a cylindrical liner in said bore to receive said piston, said liner having an external diameter less than the diameter of said bore so as to be laterally adjustable to align with said piston, and said piston being of such smaller diameter than the bore of said liner as to cause a definite flow of fluid through said liner into said space whereby to produce a free movement of said piston in said liner; means for holding said liner in said bore; a dripper plate on said stem above said opening for preventing passage of said fluid from said bore onto the portion of said stem which passes through said opening; and pump means automatically operating in consequence of the operation of said power mechanism to remove said fluid from said space.

2,081,225
DEEP WELL PUMPING MEANS AND INLET MEMBER THEREFOR
Clarence J. Coberly, Los Angeles, Calif., assignor to RoKo Corporation, Reno, Nev., a corporation of Nevada
Application March 5, 1935, Serial No. 9,413
13 Claims. (Cl. 103—46)



1. A deep well pumping device of the character described, including: an oil tube adapted to be extended down into a well to the oil producing zone thereof for carrying the oil to the surface of the ground; an outer shell extending downwardly from the lower end of said tube, said shell having an oil inlet opening in the upper end thereof; a pump receptacle in the lower part of said shell; tubular means connecting the upper end of said pump receptacle to the oil tube; pumping means, comprising a pump barrel with a pumping piston in said pump barrel and means for reciprocating said pumping piston, adapted to be lowered through said oil tube into said pump receptacle; means forming a seal between the exterior of said pumping means and said receptacle; and inlet means at the lower end of said receptacle connecting the inlet of said pumping means with the space within the lower part of said shell.

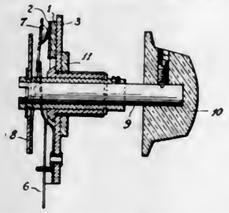
2,081,226
ART OF MAKING SHOES
Anthony Cocozella, Lynn, Mass.
Application November 28, 1933, Serial No. 700,071
16 Claims. (Cl. 12—142)



1. A shoe characterized by an insole provided with an opening in its forepart, an outsole, a cover for the opening forming a cup having its edge interposed between the insole and the outsole, and a sponge-rubber pad depending from the cover into the cup, said pad being normally spaced from the vertical side of the cup.

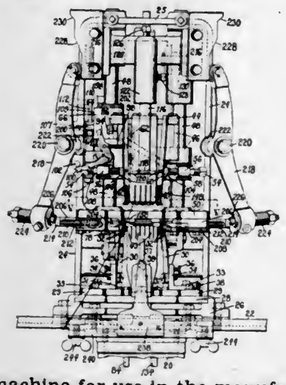
11. That improvement in the art of making shoes which consists in assembling an insole with a last and an upper, lasting the upper and securing it to the insole, removing a section bodily from the forepart of the insole within the margin of the lasted upper, covering the aperture in the insole, placing a cushion on the cover, and thereafter attaching an outsole to the lasted shoe.

2,081,227
VARIABLE RESISTANCE
Johan Dirk de Vries, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application October 5, 1934, Serial No. 747,075
In the Netherlands November 4, 1933
2 Claims. (Cl. 201—55)



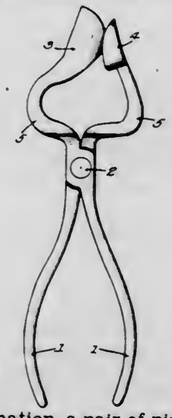
1. A variable resistance comprising a resistance layer of a hardened resin and a conductive material, said layer having a burnished working surface, and a spherically-shaped contact point adapted to slide over said surface to take off the current.

2,081,228
METHOD OF AND MACHINE FOR USE IN MANUFACTURING SHOES
Karl Engel, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 29, 1936, Serial No. 61,353
42 Claims. (Cl. 12—7)



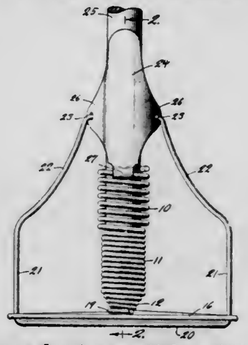
1. In a machine for use in the manufacture of pre-welted shoes, upper-supporting and positioning members constructed and arranged to engage, respectively, the interior of the welted margin of a pre-welted upper, the exterior of the upper within the welt crease, and the sole-attaching face of the welt.

2,081,229
POULTRY-KILLING DEVICE
William John Fisher, William Aldred Fisher, Alvin Clarence Fisher, Evans Fisher, and Victor Hubert Fisher, Tyvan, Saskatchewan, Canada
Application November 2, 1932, Serial No. 640,844. Renewed January 21, 1937. In Canada October 11, 1932
3 Claims. (Cl. 17—11)



1. In combination, a pair of pivotally connected handles extended beyond the pivot point in a pair of opposing laterally offset arms, a head fitting hood carried by the free extremity of one of the arms and a curved cutting blade permanently secured to the free extremity of the other of the arms and centrally opposing the hood.

2,081,230
MOP
John Glover, Chicago, Ill., assignor to Midway Chemical Company, Chicago, Ill., a corporation of Delaware
Application August 18, 1934, Serial No. 740,399
9 Claims. (Cl. 15—152)

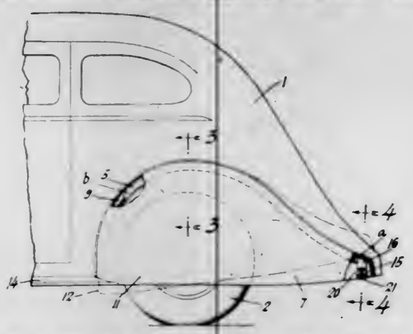


2. In a mop having a stick, a bail and a bail lever, a cross head, a socket receiving the stick, and a spring for the bail lever, all of a continuous strand of spring wire.

2,081,231
AUTOMOBILE WHEEL FENDER
Robert S. Grimshaw, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 21, 1934, Serial No. 731,595
6 Claims. (Cl. 280—153)

5. In an automobile having a body, running board and wheels, a wheel housing secured in

the body, a wheel concealing skirt, means on the skirt to interengage the running board and wheel



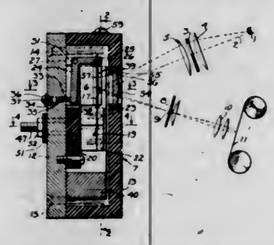
housing upon relative rotary motion of the skirt with respect to the body to secure and position the skirt over the wheel.

2,081,232
BLADE HOLDER
Philip J. Haas, Chicago, Ill.
Application July 22, 1935, Serial No. 32,546
4 Claims. (Cl. 30—99)



1. A blade holder for a backed razor blade, comprising a holding means U-shaped in cross section and having a gripping portion to grip such blade and an enlarged portion to receive the back of such blade, and a sheath U-shaped in cross section and opposed to said holding means and extending about the gripping portion thereof and about the edge of such blade, one end of said sheath being pivoted to one end of said holding means for movement away therefrom to provide a handle, and resilient interlocking fastening means on said sheath and said holding means at the ends thereof away from the pivot to maintain said sheath and holding means in closed position.

2,081,233
GALVANOMETER
Harold Jansen Hasbrouck, Jr., Flushing, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application May 11, 1935, Serial No. 20,923
10 Claims. (Cl. 171—95)

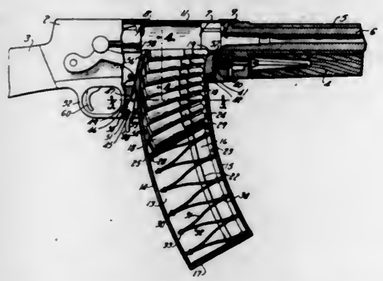


4. In an instrument for producing mechanical motion corresponding to the variations in electrical current, the combination of a base, a cover of insulating material having therein a lens for admitting light to and from the interior of said instrument, said lens being positioned at an angle with respect to light passing to and from the interior of said instrument, a permanent magnet having adjustably mounted pole pieces arranged to form a narrow air gap, an L-shaped member pivoted within said instrument, means for mounting one set of terminals of a pair of movable conductors having a comparatively high resistance and to one end of said L-shaped member positioned immediately adjacent one end of said air gap, means for adjusting the position of the other end of said L-shaped member from without said instrument, means positioned immediately adjacent the other end of said air gap for attaching the other terminals of said conductors, a reflector on said conductors for reflecting light through said lens in a predetermined direction, and means for supplying current to said last mentioned terminals.

2,081,234
PRODUCTION OF PRECIOUS METAL DECORATIONS ON CERAMIC OBJECTS
Alwin Hefter, Frankfort-on-the-Main, Germany, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application January 9, 1935, Serial No. 1,024. In Germany January 9, 1934
5 Claims. (Cl. 91—70)

1. Method of decorating a ceramic surface which comprises applying thereto a lacquer containing bismuth, and thereafter applying precious metal powder on the lacquered surface.

2,081,235
FIREARM
Newton S. Hillyard, St. Joseph, Mo.
Application October 8, 1934, Serial No. 747,271
5 Claims. (Cl. 42—50)

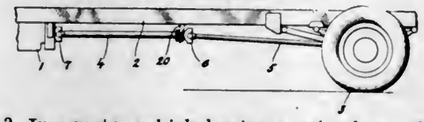


1. In a firearm including a barrel having a cartridge chamber, a breech housing having a recess through which cartridges are moved into the cartridge chamber and provided with shoulder portions on opposite sides of the recess, an arcuate shaped cartridge magazine having a shoulder portion at one arcuate side thereof adapted to interengage one of said shoulder portions of the breech housing, a pair of spaced ears on the opposite arcuate side of the magazine, a latch having its upper end pivoted between said ears, a tongue on the lower end of the latch for releasing the latch, and means for yieldingly retaining the latch in engagement with the other of said shoulder portions of the breech housing.

2,081,236
CHLORINATED HYDROCARBON IN NON-CAKING POWDERED FORM
Wilbie S. Hinegardner, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 11, 1934, Serial No. 743,618
2 Claims. (Cl. 23—250)

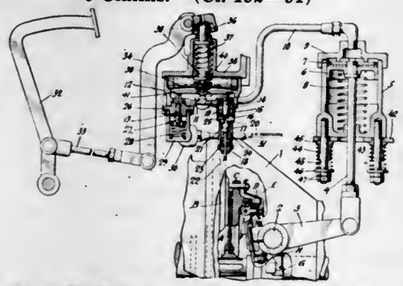
1. A new non-caking composition of matter comprising a chlorinated hydrocarbon selected from the group which consists of paradichlorbenzene and hexachlorethane in powder form containing a sufficient amount of a polymer of formaldehyde to inhibit caking of the mixture.

2,081,237
PROPELLER SHAFT CENTER BEARING
Victor Jantsch, Pontiac, Mich., assignor, by mesne assignments, to Yellow Truck and Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application February 17, 1936, Serial No. 64,326
7 Claims. (Cl. 180—70)



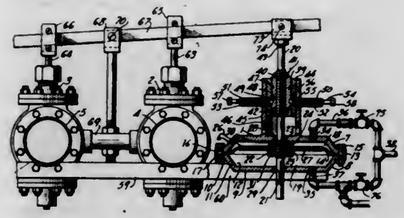
3. In a motor vehicle having a pair of propeller shafts arranged end to end, a universal joint connecting said shafts and having a sleeve fitted to the end of one of the shafts, an anti-friction bearing assembly having its inner race clamped between said joint sleeve and a shaft shoulder, a rubber ring embracing the outer race and forming a resilient mounting for the bearing assembly and a frame bracket receiving and supporting said rubber ring.

2,081,238
CLUTCH CONTROL
Oliver K. Kelley, Pontiac, Mich., assignor, by mesne assignments, to Yellow Truck and Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application September 30, 1935, Serial No. 42,810
6 Claims. (Cl. 192—91)



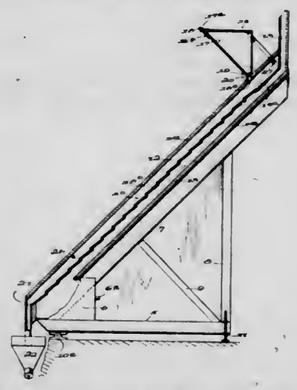
1. In a fluid pressure clutch control system, a movable piston adapted for connection with clutch throwout mechanism, a cylinder containing said piston to receive air under pressure to move the piston for disengaging the clutch, and means to insure smooth reengagement of the clutch including a manually controlled pressure relief valve for exhausting the cylinder, a pressure operated valve arranged in tandem relation with said manually controlled valve and a resilient mounting for said cylinder to permit the cylinder a slight movement relative to the piston under elastic restraint.

2,081,239
FLUID ACTUATED INTERMITTER
Edward J. Klopfenstein, Oklahoma City, Okla., assignor of one-half to Indian Territory Illuminating Oil Company, Bartlesville, Okla., a corporation of New Jersey
Application July 23, 1934, Serial No. 736,552
6 Claims. (Cl. 121—48)



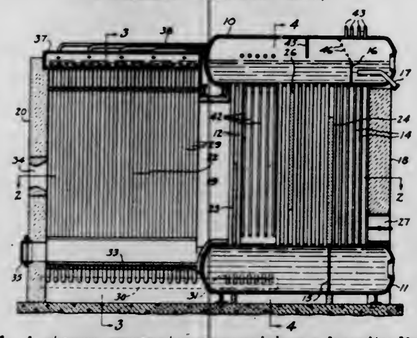
4. A device of the character described including a housing having ports in opposite portions thereof, a diaphragm dividing the housing into separate chambers, each having outlet through one of said ports, a pressure medium supply line having branches leading to respective chambers in the housing, valve members movable with the diaphragm to respectively open and close said ports in response to accumulation of pressure medium in the closed chamber, and means connected in each of the respective branches for regulating rate of supply of the pressure medium to said chambers.

2,081,240
APPARATUS FOR TREATING ORE
Edwin L. Knapp and Samuel J. Leask, Anacortes, Wash.
Application June 17, 1936, Serial No. 85,779
5 Claims. (Cl. 263—29)



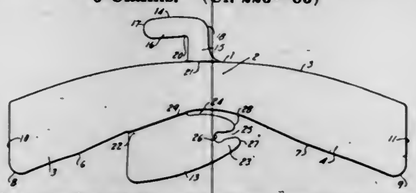
1. Ore treating apparatus comprising a base, a furnace carried thereby, an upwardly extending inclined casing fixedly carried by said base, said casing providing an ore-digesting chamber having an ore inlet adjacent its upper end and an outlet adjacent its lower end, a flue in said casing subjacent to said digesting chamber for heating the latter, said flue having its lower end communicating with the furnace and its upper end communicating with the atmosphere, a refractory partition separating said flue and digesting chamber and forming a top wall of the furnace, and means for varying the inclination of said base.

2,081,241
STEAM GENERATOR
Max H. Kuhner, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application April 28, 1936, Serial No. 76,779
8 Claims. (Cl. 122—347)



1. A steam generator comprising a longitudinal steam-and-water drum, a longitudinal water drum therebeneath, substantially vertical water tubes connecting the drums, walls providing a combustion chamber in front of the water tubes, means to direct hot gases from the combustion chamber into contact with the water tubes, a transverse baffle plate mounted within the steam-and-water drum in front of the upper ends of the rearmost of the water tubes, the upper edge of the baffle plate being spaced from the top of the drum, a series of baffle elements located within the steam-and-water drum between the upper edge of the baffle plate and the top of the drum, means to supply feed water to the steam-and-water drum in the rear of the baffle plate, and means to withdraw steam from the steam-and-water drum in the rear of the baffle elements.

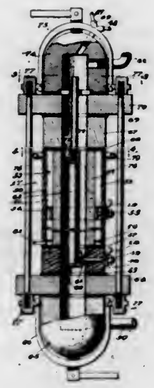
2,081,242
COLLAR SUPPORT
Archie O. Long, Kansas City, Mo.
Application December 19, 1936, Serial No. 116,792
6 Claims. (Cl. 223—83)



1. A device of the character described including a collar support, a button engaging tab formed on the collar support for engaging the button of a collar band, and a button-hole engaging tab formed on the collar support and extending in the opposite direction from the button engaging tab to engage the button-hole of the collar band, one of said tabs being foldable over the other when the support is applied to a collar.

2,081,243
APPARATUS FOR PASTEURIZING LIQUIDS
Barnett W. Macy, Jacksonville, Fla.
Application September 8, 1933, Serial No. 688,683
3 Claims. (Cl. 204—24)

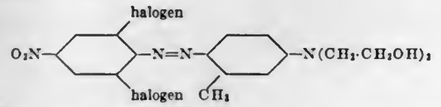
1. A cylinder of conductive material constituting an outer electrode, the bore of said cylinder providing a liquid passageway, a rod of conductive material axially positioned in the bore constituting a central electrode and having one end extending beyond the end of the cylinder,



means for making electrical current connections to the cylinder and rod, said means comprising a band attached to the cylinder and a cup for the reception of the extended end of the rod.

2,081,244
MONOAZO DYES FOR COLORING CELLULOSE ESTERS
Georg Matzdorf and Erich Baumann, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 31, 1935, Serial No. 4,410. In Germany February 22, 1934
3 Claims. (Cl. 260—96)

1. The dyes corresponding to the general formula—

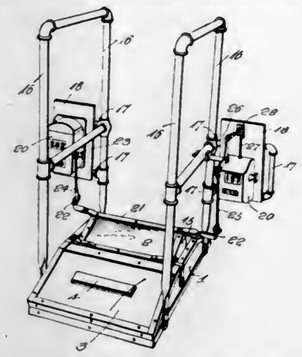


these dyes dyeing acetate silk red-brown tints of very good fastness to light.

2,081,245
REGISTERING APPARATUS
George W. McLean and Belle A. Shur, New Orleans, La.
Application September 13, 1933, Serial No. 689,310
2 Claims. (Cl. 235—99)

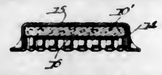
1. In a registering device, the combination of a platform, a depressible step pivoted to the platform, a shaft mounted beneath the platform, springs coiled about and secured to the shaft at one end and at their opposite ends bearing upwardly against the step for normally holding the free end of the step in an elevated position, a plate secured along the free edge of said step and adapted to enter said platform, an arm located under the platform and attached thereto, a bolt adjustably mounted upon the arm and extending into the path of movement of said step to limit the movement thereof, a counter supported

by the platform, and links operatively connect-



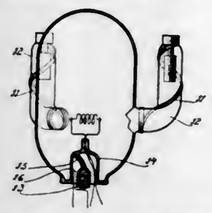
ing the counter to the step whereby depression of the step will actuate the counter.

2,081,246
CONTAINER CLOSURE AND METHOD OF MAKING SAME
Charles E. McManus, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application March 29, 1933, Serial No. 663,424
2 Claims. (Cl. 215—37)



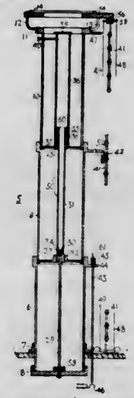
1. A cap comprising a metal shell and a liner disc therefor of an expanded body of comminuted cork and rubber forming a resilient and flexible layer, the cork constituting a body material and forming a substantial portion of the exposed face of the liner.

2,081,247
ELECTRIC DISCHARGE TUBE
Johannes Gijsbertus Wilhelm Mulder, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a limited-liability company of The Netherlands
Application January 8, 1929, Serial No. 331,122
In the Netherlands March 9, 1928
4 Claims. (Cl. 250—27.5)



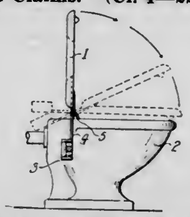
1. An electric discharge tube adapted for rectifying multiphase alternating current, having a vitreous container, an incandescible cathode, a plurality of anodes, a gaseous filling comprising mercury vapor and metal members disposed between the cathode and the anodes, these members being electrically connected to the corresponding anodes, and a separate reservoir containing liquid mercury and located within a stem sealed to the container, and a capillary tube connecting the reservoir with the interior of the tube.

2,081,248
FLUID PRESSURE OPERATED CAMERA DOLLY
Frank N. Murphy, Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application April 4, 1932, Serial No. 603,139
5 Claims. (Cl. 60—52)



1. An hydraulic support comprising a stationary cylinder, a movable cylinder concentric therewith, a cushion stop for limiting the separation of said cylinders, another cylinder concentric with said cylinders, a cushion stop therefor, a pump for supplying and withdrawing liquid under pressure to and from said cylinders, means controlled by the collapse of said cylinders for stopping said pump before said cylinders are completely collapsed, and common means for controlling the relative movement between said cylinders and for preventing the rotation thereof.

2,081,249
DISINFECTING MEANS FOR TOILETS
Stanley Pryba, Toledo, Ohio
Application August 28, 1936, Serial No. 98,364
5 Claims. (Cl. 4—229)

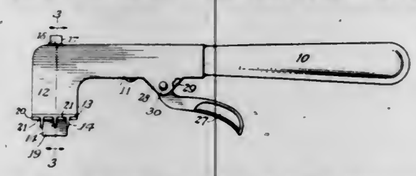


1. In combination, a hinged toilet seat, means constituting a deodorant carrier attached to the seat for movement therewith, and a deodorant material carried by said means, said means having provision for the forced circulation of air through said deodorant when the seat is raised or lowered.

2,081,250
STITCH REMOVING TOOL
Benjamin Franklin Rhodes, Eufaula, Ala., assignor of one-third to Hubert E. James, one-third to William Alton Clifton, and one-third to Herbert L. Clifton, all of Eufaula, Ala.
Application June 1, 1936, Serial No. 82,977
4 Claims. (Cl. 12—103)

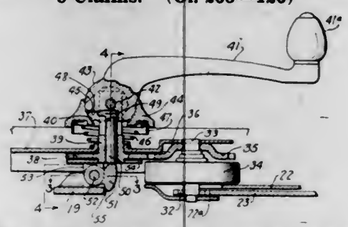
1. A stitch removing tool comprising a handle and a housing integral therewith, said housing

having a hollow head whose upper and lower walls are provided with alining apertures, a plate on the outer surface of the head having an aperture alining with the apertures of the head, alined stitch removing teeth on the said plate, a plunger slidable in the said apertures and



projecting beyond the plate, a guide secured to the said projecting part of the plunger, said guide having a thread removing plate with recesses to receive the aforesaid teeth, and means for reciprocating the plunger for moving the thread removing plate longitudinally of the teeth.

2,081,251
OPERATING MECHANISM FOR WINDOW REGULATORS AND DOOR LATCHES
Holden W. Rightmyer, Toledo, Ohio, assignor to The American Swiss Company, Toledo, Ohio, a corporation of Ohio
Application August 19, 1935, Serial No. 36,762
8 Claims. (Cl. 268—126)

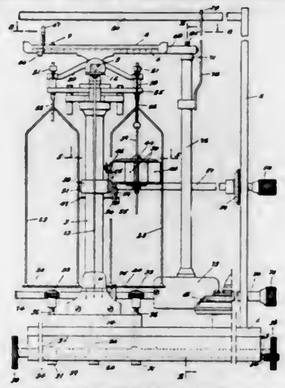


1. In a device for selectively operating a window regulator and a door latch, a handle having a rounded part at its inner end, and having the outer portion of the rounded part cut out to form a cam surface, a pin, means for mounting the rounded portion of the handle for rotary and tilting movements, means to actuate the window regulator including a part in which the pin is slidable, but held against rotary movement so as to rotate the last named part, one end of the pin engaging against the cam surface of the handle, means for retracting the door latch, a member associated with the means for retracting the door latch, a cam member having a part formed to engage said part of the door latch retracting means, and having a second part engageable with the other end of the pin, means to mount the last named cam member for pivotal movements, an escutcheon conformably engaging about a part of the rounded portion of the handle, and spring means for urging the escutcheon against said part of the rounded portion of the handle

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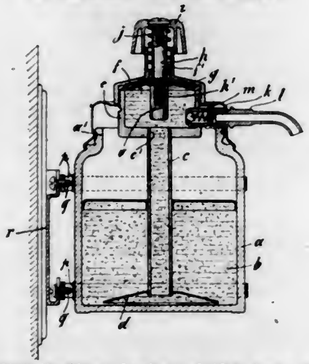
2,081,252
PRECISION BALANCE
Jacob Emil Seederer, Bloomfield, N. J., assignor to Seederer-Kohlbusch, Inc., Jersey City, N. J., a corporation of New Jersey
Application February 1, 1934, Serial No. 709,283
14 Claims. (Cl. 265—54)

1. In a balance, a support, a beam pivoted on said support, a poise movable on said beam, a control member adjacent the bottom of said support, and means controlled by said member for moving said poise, said means including an upright extending upward from said control mem-



ber to the region of said beam and movable bodily adjacent to said beam to effect adjustments of said poise.

2,081,253
DISTRIBUTING DEVICE
Paul Serre, Paris, France
Application January 8, 1936, Serial No. 58,209
In France April 16, 1935
20 Claims. (Cl. 221—102)

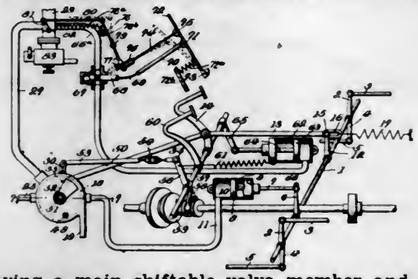


1. A distributing device of the type described which comprises, in combination, a structure forming a chamber, a plunger tube carried by said structure adapted to be immersed, at its open lower end, in the matter to be distributed, said tube communicating freely, at its upper end, with said chamber, said chamber having an elastically deformable wall adapted to normally expand outwardly, manually operable means connected to said deformable wall, for pushing said wall inwardly, a piston carried by said membrane on the inner face thereof adapted to engage into said plunger tube, a discharge member, carried by said structure, opening outwardly and connected with the inside of said chamber, and outlet check valve means in said discharge member.

2,081,254
BRAKING MECHANISM FOR AUTOMOBILES
Frederick L. Shelor, Richmond, Va., assignor to Innovation Brakes, Inc., Richmond, Va., a corporation of Virginia
Application March 8, 1933, Serial No. 660,052
9 Claims. (Cl. 192—.01)

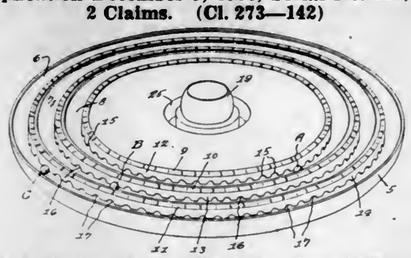
1. A motor vehicle having a foot-operated accelerator lever for controlling the motive power,

a clutch through which the vehicle is operated from the motive power, a braking means for the vehicle, a chamber on which a vacuum may be placed, a movable member controlled by the vacuum on said chamber for actuating the braking means, means for connecting said chamber to the intake manifold including a control valve



having a main shiftable valve member and an auxiliary shiftable valve member for determining independently the degree of vacuum on said chamber, manual means for shifting said main valve member, and means controlled by said accelerator lever for shifting said auxiliary member.

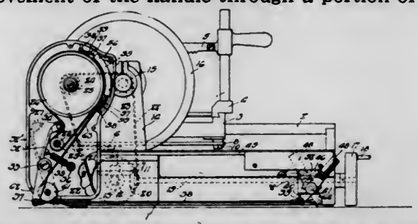
2,081,255
GAME APPARATUS
Walter A. Troth, Brooklyn, N. Y.
Application December 9, 1936, Serial No. 115,006
2 Claims. (Cl. 273—142)



1. A device of the character described comprising a rotatable element having a plurality of concentric grooves disposed in the top portion thereof, there being at least three cutaway portions adjacent the inner periphery of each groove, a plurality of rollers mounted in said cutaway portions respectively, and annuli, each having a depending skirt portion positioned in each of the grooves respectively and being rotatively mounted on said rollers, the skirt portion of the annulus being notched and bearing indicia, said notches being adapted to receive a playing piece, the outer wall of said grooves being sloped whereby a playing piece during rotation of said element removes from a notch and rides upwardly on said slope during said rotation, said piece descending the slope and coming to rest in a notch when the rotation of the element has subsided.

2,081,256
SLICING MACHINE DRIVING MECHANISM
Wilhelmus Adrianus van Berkel, Clarens, Montreux, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application December 12, 1931, Serial No. 580,558
In Great Britain April 22, 1931
1 Claim. (Cl. 192—11)

In a slicing machine, a power driven member, a drivable member adapted to set in motion the slicing machine, a loose belt capable of forming a driving connection between the power driven member and the drivable member, a spring actuated roller member engageable with said belt adapted to be springingly held against said belt to take up the slack therein and enforce the driving connection formed thereby between the power driven member and the drivable member, brake means engageable with said drivable member, said brake means being springingly held out of engagement therewith, control means operatively connected to said roller means whereby to move said roller means out of engagement with the belt whereby to loosen said belt and cause the driving action thereof to cease, said control means comprising a shaft pivotally mounted in the frame of the slicing machine, handle means rigidly mounted to said shaft, said means so operating that the roller means will be moved out of engagement with the belt during a predetermined movement of the handle through a portion of its



arcuate travel, brake control means freely mounted on said shaft, abutment means rigidly mounted on said shaft and adapted to engage the freely mounted brake control means during a portion of its arcuate travel when the shaft is rotated, said abutment means being so mounted on the shaft in juxtaposition to the handle means that it will only engage the brake control means after the handle has completely traversed that portion of its arcuate travel which produces releasing of the roller means, detent means located in juxtaposition to the handle means, and spring actuated means on the handle means adapted to selectively engage the detent means, being so placed with reference to the handle that it will cooperate with the spring operated means on the handle to hold the handle means at that point of its arcuate travel at which the roller means is completely disengaged from the belt and is in a position at which the abutment means has not yet engaged the brake control means.

2,081,257
METHOD OF MANUFACTURING PACKING RINGS
Albert W. Wenzel, West Orange, N. J.
Application September 15, 1934, Serial No. 744,151
12 Claims. (Cl. 29—156.6)



1. A method of manufacturing packing rings comprising first deforming the same to abnormal position smaller than normal closed position and treating the same so it will tend to assume substantially the said abnormal position.

2,081,258
METHOD OF MAKING PACKING RINGS
Albert W. Wenzel, West Orange, N. J.
Application April 11, 1936. Serial No. 73,837
9 Claims. (Cl. 29—156.6)

4. A method of manufacturing packing rings comprising applying a continuous sliding pressure

throughout the length of one surface thereof with a differential of intensity transversely of said sur-



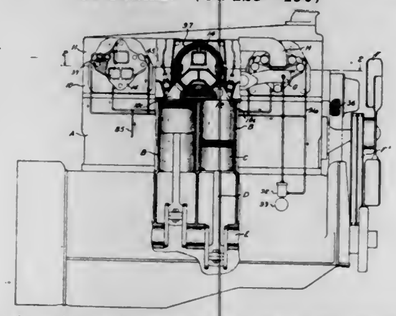
face for obtaining a continuous molecular disturbance of the material throughout said length.

2,081,259
BUTTON
John W. Abell, Torrington, Conn., assignor to Turner & Seymour Manufacturing Company, Torrington, Conn., a corporation of Connecticut
Application January 5, 1935, Serial No. 468
4 Claims. (Cl. 24—101)



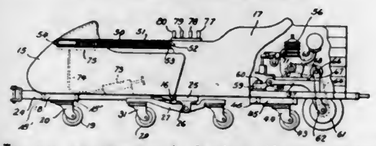
4. A button comprising a head, and a wire shank extending from the head and formed into an open eye, the shank having a straight portion and a portion forming a lateral recess above the eye, the free end of the wire forming the eye projecting into said recess but spaced from the walls of the recess, said straight portion and said eye being disposed in a common plane substantially normal to the plane of the head.

2,081,260
INTERNAL COMBUSTION ENGINE
Joseph A. Anglada, Axel H. Asprooth, and Conrad L. Christensen, New York, N. Y., assignors to Anglada Motor Corporation, New York, N. Y., a corporation of Delaware
Application May 3, 1934. Serial No. 723,686
30 Claims. (Cl. 123—190)



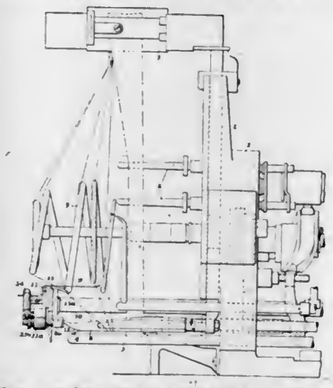
1. A rotary sleeve valve controlled internal combustion engine of the class described, having a plurality of cylinders and a reciprocating piston mounted within each cylinder, a compression chamber for each cylinder, a cylindrical core having passages therethrough for conducting motive fluid to and exhaust gases from said combustion chamber, a ported valve rotatably mounted on said core and adapted to control the passage of motive fluid to and of exhaust gases from said combustion chamber through said passages, means to rotate said valve, means to cool said valve, means to lubricate said valve, means to seal said valve comprising a ported sealing shoe, means normally urging the sealing shoe against the valve in sealing contact throughout the entire cycle of the engine, and a continuous sealing ring extending around the port in said sealing shoe and bearing outwardly in sealing contact with the wall of the same to position the shoe while permitting movement of the shoe toward and from the valve.

2,081,261
AMUSEMENT DEVICE
John N. Bartlett, Cleveland, Ohio
Application April 13, 1934, Serial No. 720,455
12 Claims. (Cl. 104—63)



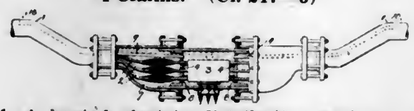
1. In an amusement device, the combination with an upwardly concave runway, of a train comprising a plurality of self-propelled cars operating on said runway, each car being mounted at both ends and in the center on caster wheels to permit all of the cars in the train simultaneously to move sidewise, and springs to control the caster wheels.

2,081,262
WARP TWISTING-IN MACHINE
John H. Becker, Ridgewood, N. J., assignor to Warp Twisting-In Machine Company, New York, N. Y., a corporation of New York
Application July 23, 1936, Serial No. 92,132
10 Claims. (Cl. 28—48)



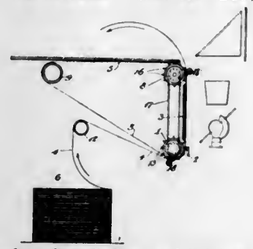
1. The combination, with means from which respectively extend threads one of which is to be united with the other and twisting mechanism including, with supporting means, members between which the free end portions of the threads are clamped with the terminals of such portions extending generally in the same direction and close together and the terminal of said portion of the first named thread bent off, one member being movable relatively and in thread-clamping relation to the other first to twist said terminals together to form thereof a twisted tail and then to twist such tail around the remaining portion of said first-named thread which lies between said members to form a composite twist, of means on the supporting means to oppose displacement, during the twisting, of the part of the first-named thread which is between the means from which such thread extends and said members.

2,081,263
ELECTRIC CABLE SYSTEM
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Original application December 7, 1935, Serial No. 53,344. Divided and this application August 13, 1936, Serial No. 95,821
4 Claims. (Cl. 247—3)



1. A buried electric distribution system comprising in combination a pipe line, insulated cable conductors in the pipe line, a transformer in the pipe line electrically connected to said conductors, an insulating fluid in the pipe line in which said conductors and transformer are immersed, baffles in the pipe line at each side of the transformer, provided adjacent the bottom with means for permitting of the movement of the insulating fluid from the outer side of the baffles to the transformer side of the baffles, and open-ended pipes passing through said baffles adjacent the top thereof and extending away from the baffles, said pipes being enclosed by and terminating within said pipe line.

2,081,264
NEWS AND ADVERTISEMENT EXHIBITING
Carl W. Brenn, Montclair, N. J.
Application January 31, 1935, Serial No. 4,224
19 Claims. (Cl. 40—100)



1. A display band for exhibiting telegraphic typewriters comprising an endles strip having lateral feeding bands each provided with a row of feed-controlling apertures, and having between said feeding bands at regular intervals longitudinally of the band display zones, each adjacent two of which are separated from each other by uniform and substantial spaces.

2,081,265
NEWS AND ADVERTISEMENT EXHIBITING
Carl W. Brenn, Montclair, N. J.
Application March 6, 1935, Serial No. 9,620
11 Claims. (Cl. 40—100)



1. In an exhibiting telegraphic typewriter, a platen and display table over which a continuous writing strip is fed; means for feeding said strip to bring successive portions thereof to writing and exhibiting positions; an endless web carrying a series of displays; means for supporting and guiding said endless display web into position at the side of the writing strip for advancement coordinately with the feeding of the writing strip; and means for simultaneously projecting and exhibiting a display on said display web and a written portion of the writing strip.

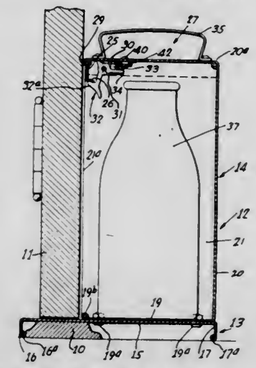
2,081,266
CONDENSATION PRODUCT OF CASTOR OIL WITH HALF ESTER OF MALEIC ACID
Herman A. Bruson, Germantown, Pa., assignor to The Resinous Products & Chemical Co. Inc., Philadelphia, Pa.
No Drawing. Application May 10, 1932, Serial No. 610,504
28 Claims. (Cl. 260—2)

1. A composition of matter consisting of a condensation product of castor oil, an alcohol containing only one hydroxyl group, and a member of the group consisting of maleic acid and maleic anhydride.

2,081,267
BLEACHED CELLULOSIC PRODUCT
John Campbell and Lancelot O. Rolleston, Glens Falls, N. Y., assignors to International Paper Company, New York, N. Y., a corporation of New York
No Drawing. Application May 4, 1934, Serial No. 723,925
13 Claims. (Cl. 92—3)

13. As a new product a white, non-hydrolyzed pulp having the interior and exterior surfaces of the fibers bleached at least in part at a dry fiber content of more than 15% by gaseous chlorine, said pulp having a high alpha cellulose content and containing less beta cellulose and more gamma cellulose after bleaching than before.

2,081,268
SAFETY RECEPTACLE
Max O. Canner, Brooklyn, and Alexander Duff, New York, N. Y., assignors of one-third to Emilie Lustig, New York, N. Y.
Application June 27, 1936, Serial No. 87,712
1 Claim. (Cl. 232—42)



In a receptacle provided with a base having downwardly extending flanges and a housing on said base having an upstanding front wall, a pair of side walls, said housing having an opening at the side thereof opposite said front wall, a cover

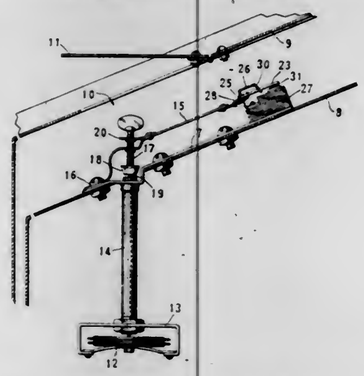
hinged to the upper edge of said front wall, said cover having downwardly extending flanges on both sides, each of said flanges being in a plane normal to said front wall, a spring latch member pivoted to the underside of said cover, a strip connecting said side walls adjacent the upper edges thereof, said strip extending across said opening, said latch being adapted to engage the under edge of said strip, a rivet extending through said cover, an angular member of a depth less than each of said flanges having one end thereof pivoted on said rivet for pivotal movement in a horizontal plane, said member being positioned on the underside of said cover and being of a length to project beyond the outer edge of said cover when in a plane at right angles to said front wall to be interposed between said cover and said strip, and to be wholly confined within the space defined by said cover and flanges when moved from said aforementioned plane to a plane at an angle to either of said side walls or said front wall.

2,081,269

SNAP ACTION THERMOSTATIC SWITCH

John E. Carlson, Forestville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application June 16, 1934, Serial No. 730,936
5 Claims. (Cl. 200—140)



1. A thermostatic switch having a pressure device, an arm for actuating a switch, an auxiliary spring arm having one end secured to the first arm, an adjusting screw having threaded engagement in both arms and a push rod interposed between said screw and said pressure device.

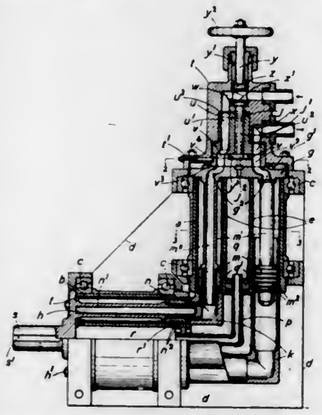
2,081,270

ROTARY ENGINE

John George Edmundson and John Beaumont Taylor, Monkseaton, England

Application April 27, 1936. Serial No. 76,508
In Great Britain May 2, 1935
5 Claims. (Cl. 121—62)

1. A rotary engine comprising two angularly-disposed rotors, supporting means therefor, a shaft attached to one of said rotors, a plurality of angled cylinders connecting said rotors together, means for slidably supporting said cylinders in said rotors, piston rods secured to said rotors projecting into the opposite ends of said angled cylinders, a piston on each of said rods within said cylinders, the working spaces of said cylinders being located between opposed pistons,



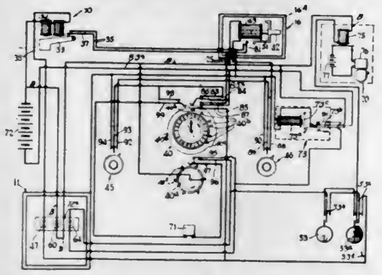
and means for admitting and discharging fluid to and from said working spaces.

2,081,271

VAULT PROTECTIVE SYSTEM

Clarence D. Ellithorpe, Springfield, N. Y., assignor to Duplex Electric Company, New York, N. Y., a corporation of Delaware

Application February 2, 1934, Serial No. 709,412
16 Claims. (Cl. 20—1.01)



7. A system of burglar proof controls for a vault which includes a lock on the vault door, a remote control means remote from the lock for opening the lock and means beyond the control of the operator to prevent the operator of the remote control means from leaving the remote control means for a predetermined period of time.

2,081,272

CATALYST AND PROCESS OF MAKING SAME

Harold B. Foster, Williamsville, N. Y., assignor to National Aniline & Chemical Company, New York, N. Y., a corporation of New York

No Drawing. Application January 6, 1933, Serial No. 650,592
18 Claims. (Cl. 23—234)

1. A composition of matter suitable for the preparation of a vanadium oxide catalyst comprising a water-soluble compound of vanadium containing tetravalent and pentavalent vanadium and sulfur in the form of sulfate and obtainable by heating an oxygen compound of pentavalent vanadium with an aqueous solution of ammonia and sulfur dioxide.

2,081,273

CHEESE MANUFACTURE

Friedrich Hoermann von und zu Guttenberg, Dusseldorf, and Helmut Firgau, Dusseldorf-Oberkassel, Germany, assignors to Henkel & Cie G. m. b. H., Dusseldorf-Holthausen, Germany, a corporation of Germany

No Drawing. Application April 18, 1935, Serial No. 17,134. In Germany April 28, 1934
11 Claims. (Cl. 99—162)

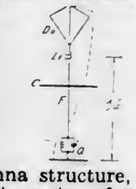
7. The process of producing softer or more fluid cheeses from harder cheeses including hard and soft cheeses which consists in homogeneously incorporating an aqueous solution of a small quantity of an alkaline polyphosphate into a harder cheese and heating the mass to a temperature of from about 80 to 100° C. under subatmospheric pressure.

2,081,274

ANTENNA STRUCTURE

Walter Max Hahnemann, Berlin, Marienfelde, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application October 30, 1934, Serial No. 750,697
In Germany November 2, 1933
3 Claims. (Cl. 250—33)



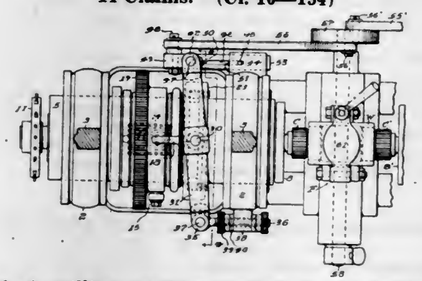
1. In an antenna structure, a vertical dipole positioned with its center of oscillation about a quarter of a wavelength above the earth's surface, means including a single energizing wire connecting said dipole to ground and means for feeding said wire at a point substantially at the ground, said dipole having a capacity surface arranged at its lower end whereby a current minimum results at an intermediate point of said energizing line and the radiation diagram of the antenna is unfavourably influenced to the least possible degree by the radiation from said energizing wire.

2,081,275

MILLING MACHINE

Peter P-G. Hall, Philadelphia, Pa., assignor to The Hall Planetary Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 7, 1936, Serial No. 78,382
11 Claims. (Cl. 10—154)



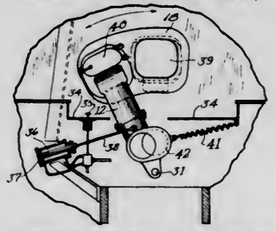
1. A milling machine comprising a frame, a main container journaled therein, a secondary container eccentrically journaled in the main container, a cutter spindle journaled in the secondary container and a cutter carried by the spindle, main container translating means including an actuating ring surrounding the main container and interconnected therewith, a yoke engaging the ring, pivots carried by the yoke at diametrically opposed points, means connecting one of the pivots with the frame, means interconnected with the other pivot for moving the yoke about the first pivot to thereby translate the main container and parts carried therein longitudinally to bring the cutter to predetermined transverse alignment with a work piece fixed in spaced relation to the frame, means for thereafter turning the secondary container in the main container to move the cutter transversely to depth in the work piece, means for then rotating the main container to carry the cutter about the work piece in a planetary orbit, and means independent of said translating means for determining the position of the cutter with respect to the work piece during its said orbital movement.

2,081,276

LOCOMOTIVE STOKER

Charles P. Hubler, East Stroudsburg, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., a corporation of Delaware

Application April 5, 1928, Serial No. 267,543
Renewed September 5, 1935
5 Claims. (Cl. 110—101)



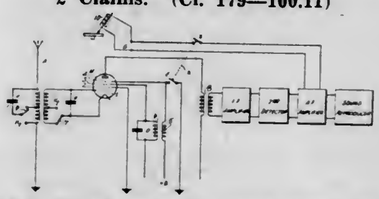
2. In a locomotive having a backhead provided with a firing opening therein, a tender for said locomotive, a conveyor conduit mounted in the tender, an upright conduit on the locomotive in communication at its lower end with the first named conduit and at its upper end with said opening, said upright conduit arranged to be swung laterally into and out of register with said opening about a pivot at its lower end, means for swinging the upright conduit, and elevating means within the upright conduit.

2,081,277

RADIO RECEIVER

Ernst Klotz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany

Application May 7, 1934, Serial No. 724,261
In Germany May 11, 1933
2 Claims. (Cl. 179—100.11)



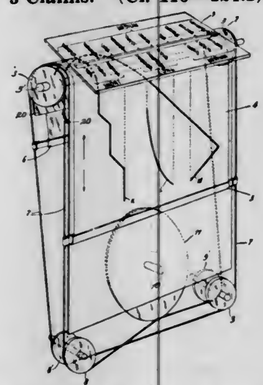
1. A radio phonograph device comprising in combination, the cascade connection of a first detector tube, an intermediate frequency amplifier, a second detector, an audio frequency ampli-

fier and a sound reproducer, said first detector tube having a grid-cathode circuit including a tuning means and a switching device arranged to cause said tuning means to tune said circuit to either a long wave band or a short wave band, an input circuit coupled to said grid-cathode circuit and including a second tuning means and a second switching device arranged to cause said second tuning means to tune said input circuit to either a long wave band or a short wave band, means for modulating the current within said detector tube at a local oscillation frequency, means for rendering said modulating means inoperative while one of said switching devices is adjusted for reception within the long wave band and the other of said switching devices is adjusted for reception within the short wave band, a phonograph pickup and a circuit including a switching device connecting said pickup to said audio frequency amplifier.

2,081,278
STATION SCALE FOR RADIO RECEIVER SETS

Erwin König, Berlin-Neukoelln, Germany, assignor to Allgemeine Elektricitatz Gesellschaft, Berlin, Germany, a corporation of Germany

Application November 19, 1934, Serial No. 753,653
In Germany December 8, 1933
3 Claims. (Cl. 116—124.1)



1. In an indicator for a tuning device, the combination of a plate having an elongated aperture therein, a series of short wave station indicia marked on said plate at one side of said aperture, a series of medium wavelength station indicia marked on said plate at the opposite side of said aperture, a flexible sheet connected to said tuning means and having a portion visible through said aperture, a line marked on said sheet and cooperating with said short wave station indicia to indicate the corresponding settings of said tuning means and a second line marked on said sheet cooperating with said medium wavelength station indicia to indicate the corresponding settings of said tuning means.

2,081,279
DEPILATORY

Albert B. Pacini, Chicago, Ill., assignor to Neet, Incorporated, Chicago, Ill., a corporation of New Jersey

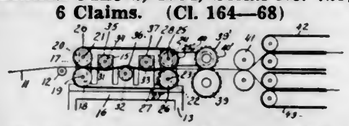
No Drawing. Application March 17, 1934, Serial No. 716,105
5 Claims. (Cl. 167—89)

1. A depilatory compound comprising a salt in which the base forming part thereof includes at least one element of the alkali and alkaline earth metal groups and having an oxygen acid forming part which includes tetra-valent titanium and yielding an alkaline end product on hydrolysis.

2,081,280
FEEDING DEVICE FOR SHINGLE CUTTERS

John Wesley Pearl, Yeadon, Pa., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey

Application June 2, 1934, Serial No. 728,637
6 Claims. (Cl. 164—68)

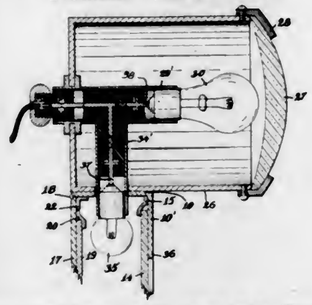


1. Apparatus for cutting flexible roofing material into uniform lengths, comprising, in combination, cutting instrumentalities, and means for feeding said roofing material thereto, said means comprising a lower set of belts, an upper set of belts with the belts of one set disposed above those of the other set, a pair of spaced idler rolls exerting tension on the lower run of the upper set of belts, and an idler roll disposed between said pair of spaced idler rolls and exerting tension on the upper run of the lower set of belts.

2,081,281
LICENSE PLATE CASING AND ILLUMINATOR

Isaac Raffelson, New York, N. Y.

Application November 15, 1934, Serial No. 753,169
1 Claim. (Cl. 40—132)



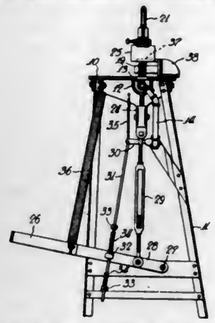
The combination with separate illuminating means for an automobile taillight; of separate illuminating means for a license plate, said combination comprising a metallic casing for the taillight and a metallic casing for the license plate, both casings separated by a contiguous partition wall, a twin lamp socket, mounted within the taillight casing and passing with one of its branches through said partition wall into the interior of the license plate casing, separate electrical bulbs for the taillight and the interior illumination of the license plate casing, means to screen off the latter bulb toward the outside, means to manually reach and renew it from the plate casing and parallel current conducting means for the bulbs, entering through the taillight casing and utilizing both metallic casings for a current return, substantially as shown and described.

2,081,282
APPARATUS FOR FORMING UNIT PORTIONS OF ICE CREAM OR THE LIKE

Almond C. Routh, Sandusky, Ohio, assignor, by mesne assignments, to The Girdler Corporation, Louisville, Ky., a corporation of Delaware

Application July 16, 1936, Serial No. 90,957
10 Claims. (Cl. 107—21)

1. An apparatus of the class described, including a support for a tray having therein a bar of plastic material, means for heating the tray to

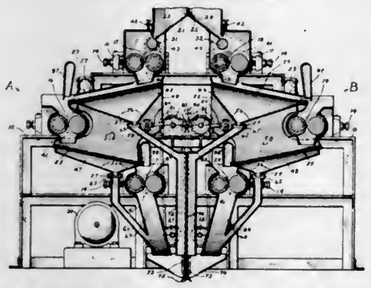


loosen said bar, and means for subdividing the bar into unit sections while in said tray.

2,081,283
GRANULATOR

William Miles Ryan and John W. Bold, Brooklyn, N. Y., assignors to Ryan Coffee Corporation, New York, N. Y., a corporation of New York

Application May 16, 1933, Serial No. 671,294
1 Claim. (Cl. 83—18)



Apparatus for reducing roasted coffee to a substantially uniform size which comprises two series of pairs of cutter rolls and intervening screens, each series having the rolls of successive pairs more closely spaced and the screens being positioned, one between each pair of cutting rolls and the next succeeding cutting roll, to receive material from the preceding roll and to deliver oversize material to the succeeding roll, means to agitate said screens, means to convey material passing therethrough past the final pair of cutter rolls, said series being arranged in symmetrical position on opposite sides of a central space, said agitating means being arranged to shake said screens in balanced relation, and means operable at will to deliver the product from both series of rolls and screens in a common stream and means to feed coffee to said series of rolls at relatively adjustable rates.

2,081,284
TERTIARY ALKYL PHENOLS

Frits E. Stockelbach, Montclair, N. J., assignor to Harold H. Fries, doing business as Fries Bros., New York, N. Y.

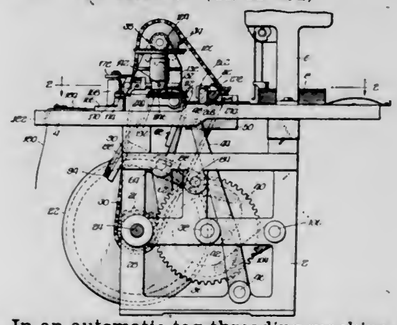
No Drawing. Application June 10, 1932, Serial No. 616,493
5 Claims. (Cl. 260—154)

1. The nuclear alkylated condensation products of a mixture of commercial phenols derived from coal tar and a tertiary alcohol.

2,081,285
AUTOMATIC TAG THREADING MACHINE

Roy G. Travis, Wilmette, Ill., assignor to International Tag & Salesbook Company, Chicago, Ill., a corporation of New Jersey

Application May 3, 1935, Serial No. 19,667
33 Claims. (Cl. 93—91)



1. In an automatic tag threading machine, the combination of means for feeding a tag into a position for threading, means for supplying a length of string to be tied to said tag, means for looping said string through an opening in said tag, means for controlling said string, said control means being associated with said looping means, said feeding and looping means being so constructed and operated that a length of string is disposed in association with said control means to be operated on by said looping means in its sequence of operation, and means for drawing the free ends of said string through said loop to secure the same to said tag.

2,081,286
EYEBROW PENCIL

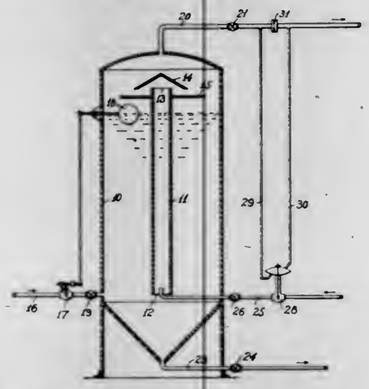
John J. Woessner, Maspeth, N. Y., assignor to Eberhard Faber Pencil Co., a corporation of New York

Application April 11, 1936, Serial No. 73,816
2 Claims. (Cl. 120—18)



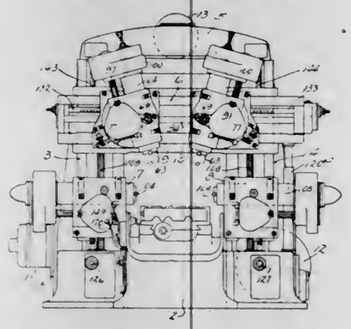
1. A pencil comprising a barrel, a single sheet of metal rolled to form a guide tube secured in said barrel and having its edges in parallel and spaced relation, the portions of said tube at the edges of said slot being disposed in approximately chordal relation to the inner walls of said barrel, a helical coil rotatable but longitudinally immovable in said tube, and a holder for marking material slidable longitudinally in said helical coil and having a lateral lug extending between two adjacent convolutions in said coil and slidable longitudinally of and between said edges of said sheet forming the guide tube.

2,081,287
DEWAXING OIL
Blair G. Aldridge, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Original application July 25, 1933, Serial No. 682,073. Divided and this application December 21, 1934, Serial No. 758,632
10 Claims. (Cl. 62—124)



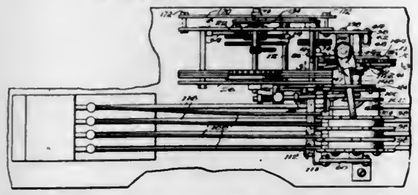
2. In an apparatus for chilling oils in order to precipitate matter therefrom, a chilling chamber, means associated with said chamber and adapted for introducing thereinto a mixture of waxy oil and of a diluent, means associated with said chamber and adapted to chill the diluted oil thereinto, and gas-lifting means connected with a source of gaseous fluid whereby said gaseous fluid may be introduced into said chamber to agitate the diluted waxy oil being chilled.

2,081,288
MACHINE TOOL TRANSMISSION AND CONTROL
Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application May 16, 1935, Serial No. 21,827
22 Claims. (Cl. 90—16)



12. In a milling machine the combination of a supporting structure including a bed, a table reciprocably guided on said bed, said structure including a plurality of spindle support members uprising from said bed on opposite sides of said table respectively, a plurality of tool spindles each rotatably supported from said structure at a level above said table and axially transverse to the path of table movement, a plurality of independently power operable motors each supported from said structure, a table transmission including a feed rate branch line, a quick traverse rate branch line and means selectively shiftable to connect the one or the other of said branch lines to actuate said table, said feed rate branch line including a feed rate changer, and said branch lines being alternatively connectible to actuate said table from one of said motors, a plurality of other branch lines respectively individual to different of said spindles and each connected for operation from the other of said motors; and control devices for said transmissions including a spindle transmission controller and a table transmission controller respectively for alternative connection or disconnection of power to said table and to said spindles, said controllers being independently operable, interconnecting means effective to render said table transmission controller inoperative for said power connection when the spindle transmission controller is of power interrupting effect, a third independently operable controller shiftable for said alternative connection of feed rate and quick traverse rate branch lines, and means operative only in the quick traverse connecting position of said third controller to establish power connection to drive said table irrespective of the effect of said interconnecting means.

2,081,289
CLOCK
Pennie R. Ayres, Roanoke, Va.
Application August 18, 1933. Serial No. 685,776
6 Claims. (Cl. 58—38)

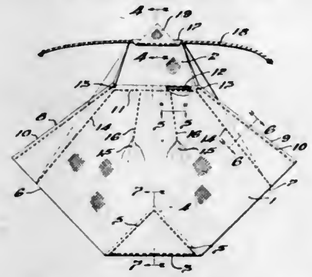


1. In an electric chiming clock including an electric motor, a time train driven by said motor and a hand arbor driven by said time train, the combination of a rotary stroke determining member, a rotary member continuously driven by the motor, a projection on one of said members movable relative to said one member into and out of the path of the other member, and control means for moving said projection, for causing the rotary member to drive the stroke determining member by different predetermined amounts at different predetermined times.

2. In an electric chiming clock, the combination of a unitary electric clock movement having a synchronous motor and a time train, an hour striking mechanism comprising a unitary attachment to the movement on the front side thereof and a quarter chiming mechanism comprising a separate unitary attachment to the movement at another side thereof, and means for actuating both attachments from the synchronous motor, said last means including a single shaft constantly driven by the synchronous motor.

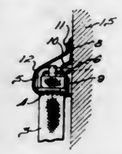
4. In an electric chiming clock, the combination of an electric motor, a plurality of chime hammers and a unitary rotary chime actuating device comprising a plurality of hammer actuating portions arranged in the general form of a cylinder, a separate counting portion, and a selective driving portion, said portions being secured together to rotate as a single unit.

2,081,290
CHILD'S GARMENT
Dorothy J. Buffington, Highland Park, Mich.
Application December 24, 1935, Serial No. 56,065
4 Claims. (Cl. 2—80)



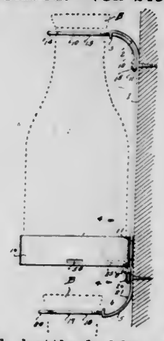
1. A garment comprising two superimposed rectangular pieces of cloth each provided with an inturned corner sewn to the respective piece and the folded edges being sewn together, the diagonally opposite corner of one piece being provided with a tubular portion, a cord extending through said tubular portion, the companion corner of the other piece being cut off and inturned to provide a hem, an elastic extending through the said hem and fastened at opposite ends in the hem, the elastic tending to shorten the hem and a pair of inverted pleats formed in the hemmed piece below the hem, the edges of the two superimposed pieces extending from the hem being sewn together and the edges of the two pieces being also sewn together a second time by a spaced row of stitching extending at a slight angle to the adjacent sewn edges of the two pieces.

2,081,291
CORD HOLDER
Edgar R. Creamer, Detroit, Mich.
Application June 15, 1935. Serial No. 26,844
6 Claims. (Cl. 105—354)



1. A cord holder for a tubular cord having a chain extending through the center comprising a wire loop engaged firmly about the end of the cord, the wire loop being provided with an upwardly extending integral end terminating in a portion extending diametrically across the upper end of the tubular cord, the end link of the chain being fitted over the diametrically extending end of the wire loop and the extreme end of the wire loop extending beyond the circumference of the loop, a bracket plate having a raised seat for the upper end of the cord and provided with an aperture at the top of said seat, the extending end of the wire loop engaging in said aperture and the upper end of the cord and wire loop seating on said seat and a cover bracket fitting over the aforesaid bracket and over the upper end of the cord and wire loop, said bracket being provided with a U-shaped flange engaging beneath the wire loop and forming a support for the edge of the wire loop opposite the extending end of the wire loop engaging the plate aperture, the two brackets being secured together and to a support to engage the wire loop and cord therebetween.

2,081,292
MILK BOTTLE HOLDER
William Hayes Crossley, Klamath Falls, Oreg.
Application February 24, 1936. Serial No. 65,313
4 Claims. (Cl. 248—311)



1. In a milk bottle holder, an elongated upright support terminating at the top in an outwardly curved portion, such curved portion terminating in a projecting portion in a plane parallel to the body of the support, said projecting portion having a slot, a bottle neck gripping member having portions inserted and held in the aforesaid slot, an offset near the lower end of the body having a slot, a band having hooked ends inserted in the last slot, and means separating such ends to prevent their removal from the slot and forming a basal seat for a bottle placed within said band.

2,081,293
FRACTURE PIN
Charles D. Davis, Columbia, S. C.
Application November 5, 1935. Serial No. 48,427
2 Claims. (Cl. 128—84)



1. A method of treating fractured bones comprising inserting a plurality of threaded pins into the bone at spaced points with the inner ends of said pins substantially converging, then threading nuts on the pins against the bone, and then tieing the outer end portions of said pins together for preventing said pins from working backward out of the bone.

2,081,294
SIDETRACKING APPARATUS
Albert L. Eastham, Beaumont, Tex.
Application February 18, 1936. Serial No. 64,538
8 Claims. (Cl. 255—1)

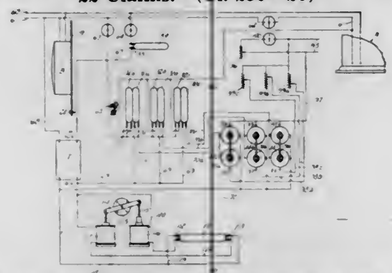
1. A sidetracking apparatus comprising an anchor adapted to be located between a whipstock in a well and the opposing side wall of the well and effective to prevent the turning movement of

the whipstock in the well, a turnable bar whose lower end is connected with the anchor, a mill-



ing tool on and rotatable with the bar, means for feeding the tool downwardly as the bar rotates.

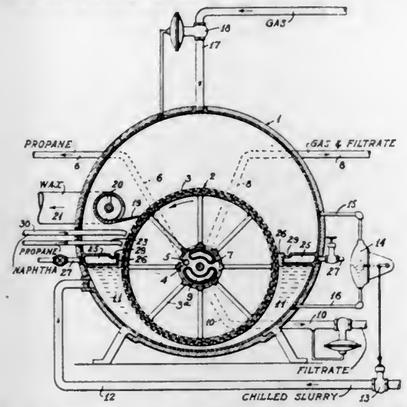
2,081,295
SELECTIVE CONTROL MECHANISM FOR RADIO SETS
Ransom L. Galinat, Wethersfield, Conn.
Application February 25, 1935, Serial No. 7,967
22 Claims. (Cl. 250—20)



1. In a selective control mechanism for radio sets and in combination with a tuning device of the set, clock mechanism, station selector means driven by said clock mechanism, a plurality of switches associated with said station selector means and representing the several stations, and a pair of electromagnets for each station respectively associated with each of said switches and arranged to differentially and selectively adjust said tuning device, the electromagnets of each pair being in opposition to each other.

2,081,296
METHOD AND APPARATUS FOR CONTINUOUS FILTRATION
Earle W. Gard, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application August 27, 1934, Serial No. 741,540
12 Claims. (Cl. 210—201)

1. The method of separating wax from a slurry of oil containing suspended wax which comprises introducing a mixture of said slurry into a closed receptacle containing a filtering element, passing the oil through the filtering element by introducing a condensable gas under pressure into said receptacle, chilling said condensable gas in said receptacle by contact with a cold surface positioned at approximately the surface of said slurry in said receptacle so that solution of wax in the oil is substantially prevented.



5. In an apparatus for dewaxing a chilled slurry of a mixture of oil, wax and diluent, a closed pressure shell, means for continuously introducing the slurry into the lower portion of said shell, a filter element within said shell and adapted to rotate therein and to be partially immersed in the slurry, means for introducing and maintaining a gaseous substance in the upper portion of said shell at any desired superatmospheric pressure, and chilling means disposed substantially at the surface of contact between the slurry and the gaseous substance under pressure and adapted to minimize the surface of the slurry exposed to said gaseous substance and to prevent the heating of the former by said latter.

2,081,297
METHOD FOR DEWAXING OIL
Ross J. Garofalo, Los Angeles, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application August 12, 1935, Serial No. 35,878
10 Claims. (Cl. 196—19)

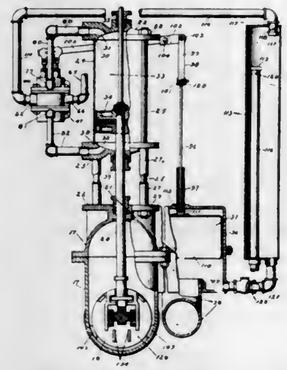
1. A method for conditioning a wax-bearing oil preparatory to the separation of wax therefrom which comprises mixing said oil with a clay or earth containing wax separation aids which have been separated by means of said clay from an oil containing the same.

5. A method for conditioning a wax-bearing oil preparatory to the separation of wax therefrom which comprises mixing said oil with an asphaltic fraction recovered from a used crank case oil.

10. A method for conditioning a wax-bearing oil preparatory to the separation of wax therefrom comprising mixing said oil with a wax separation aid recovered from a petroleum residue having a melting point between 200° F. and 400° F. by extracting said residue with naphtha to remove the oily fractions present in said residue and said oil free residue is subjected to distillation to recover the wax separation aid as a distillate.

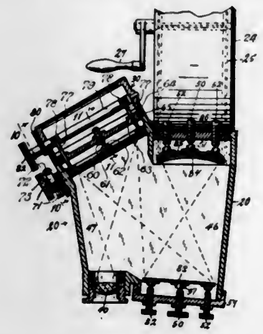
2,081,298
SEWER FLOODING CONTROL APPARATUS
William E. Hardacker, Minneapolis, Minn.
Application April 22, 1936, Serial No. 75,744
11 Claims. (Cl. 182—1)

1. In an apparatus of the character described, a sewer drain pipe, a chamber for sewage, a connection affording communcation between said sewer drain pipe and said chamber, a member in said chamber adapted to rise and fall with rise and fall of level of sewage in the sewer drain pipe and chamber, and means for guiding said member including devices providing for ready



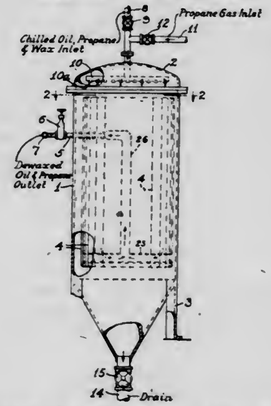
removal of air from and entry of air to said chamber responsive to rising and falling movements of said member and sealing of the chamber against passage of sewage therefrom upon elevation of said member to a predetermined position, one of said devices being fixed to said member.

2,081,299
APPARATUS FOR TAKING AND DISTORTING MOVING PICTURES
Lansing B. Hill, Santa Ana, Calif.
Application November 5, 1934. Serial No. 751,666
5 Claims. (Cl. 88—16)



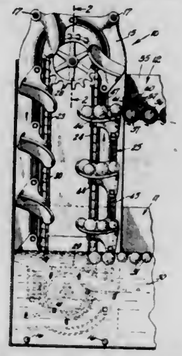
1. A photographic apparatus for use in taking and distorting moving pictures including a casing, a lens in said casing, a film gate in said casing, means for passing a moving picture film through said gate, two flexible mirrors in said casing for consecutively reflecting an image from said lens to a film passing through said gate, adjustable center screws for supporting said mirrors and holding their center portions stationary, other adjustable screws for bending the ends and side portions of said mirrors to distort an image from said lens, said mirrors arranged to reflect the distorted image to a moving picture film passing through said gate, and means for passing a moving picture film through said gate.

2,081,300
PROCESS AND APPARATUS FOR SEPARATING OIL FROM WAX CAKES
Basil Hopper, San Pedro, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application April 2, 1934, Serial No. 718,609
7 Claims. (Cl. 210—182)



1. A process for separating precipitated wax from a solution of oil containing the same which comprises filtering a solution of oil containing precipitated wax in a filter provided with adjacent filtering elements, dislodging the wax cake deposited on said filtering elements, spraying the solution containing precipitated wax between adjacent filtering elements contained in a closed chamber to remove wax contained on said filtering elements which was accumulated on said filtering elements from a previous filtering cycle, filling said chamber with said solution and subsequently forcing solution of oil through said filtering elements and depositing wax on the filtering elements.

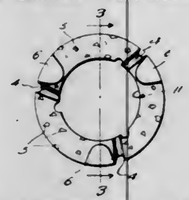
2,081,301
ELEVATOR
Thomas N. Hudspeth, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware
Application March 18, 1935, Serial No. 11,577
6 Claims. (Cl. 198—155)



1. In combination: a drive shaft adapted to rotate in a given direction; a pair of spaced driving sprockets fixed on said shaft; a pair of aligned idle sprockets spaced below, and in parallel alignment with said drive sprockets; endless chains

equal in length and trained about said aligned pairs of sprockets, the rising flights of said chains being allowed to follow a relatively straight path; guides for said rising flights; shallow concave trays disposed between said chains and pivotally attached to opposite points on said chains; means for maintaining said trays in upright position as they are lifted on said rising flights and tilting said trays on said pivotal axes at a point for discharging the burden therefrom; a rotary member disposed parallel with and adjacent the upward path taken by said trays just below said point of discharge, said rotary member being adapted to engage fruit extending over the adjacent edge of each tray passing thereby and shifting said fruit backwardly into said tray; and a drop board disposed parallel with said rotary member and having an edge disposed at said point of discharge and closely adjacent to each of said trays when it is at said point of discharge.

2,081,302
ROTARY FACE BIT
Frank E. Jarvis, The Dalles, Oreg.
Application November 9, 1936, Serial No. 109,987
2 Claims. (Cl. 255—72)



1. A hollow drill bit having a head provided in the face thereof with diamonds, and in the periphery thereof with circumferentially spaced water grooves and inserts of tungsten carbide disposed adjacent to and paralleling said grooves.

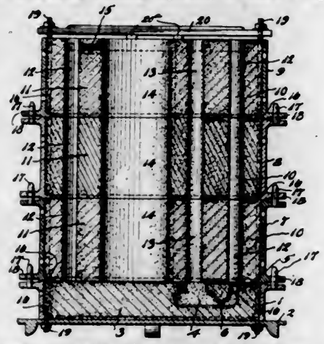
2,081,303
METHOD OF MANUFACTURING HEAT EXCHANGERS
John Karmazin, Huntington, Ind., assignor to Karmazin Engineering Company, a corporation of Michigan
Application December 4, 1935, Serial No. 52,818
4 Claims. (Cl. 113—118)



1. The method of constructing a heat exchanger which comprises placing perforated fins over an open seamed tube, placing bonding material inside said tube and heating the assembly to cause the bonding material to flow out between the engaging surfaces of the seam and to bond said fins to said tube.

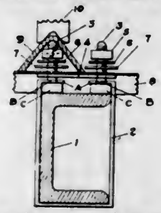
2,081,304
SECTIONAL MOLD
Peder A. Moluf, Omaha, Nebr., assignor to Paxton-Mitchell Company, Omaha, Nebr.
Application December 18, 1936, Serial No. 116,617
5 Claims. (Cl. 22—200)

1. The method of casting varying length cylinders or other castings which comprises preparing a mold with a base section shaped to form a mold bottom, and with cylindrical and core sections to form outer and inner walls, the inner wall having a pouring sprue, overflow space and



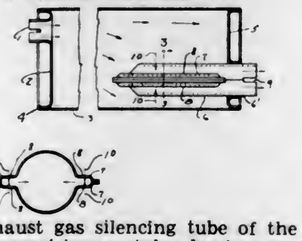
an overflow gate therein, and pouring metal through the core and into the mold cavity proper until said metal overflows through the overflow gate into the overflow space of said core.

2,081,305
SHEET METAL FASTENER
Harold E. Peterson, Los Angeles, Calif.
Application April 3, 1936, Serial No. 72,579
9 Claims. (Cl. 189—35)



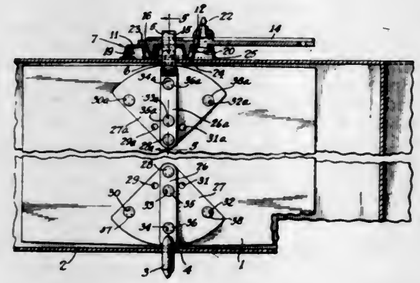
1. In combination with a building framework, a band shaped around a portion of said framework, said band having perforations at the opposite ends thereof, a bolt having a nut thereon inserted through said perforations in said band, said band being drawn around said portion of said framework in a manner to impinge the head of said bolt against said framework between said band and said framework, when said nut is tightened against a piece of sheet metal to be held in position, and means to prevent said bolt from turning underneath said band, said means comprising a flat side of said head of said bolt for impingement against a corresponding flat side of said band.

2,081,306
MUFFLER
Carl F. Rauen, Detroit, Mich.
Application June 14, 1928, Serial No. 285,349
Renewed August 4, 1936
8 Claims. (Cl. 181—56)



1. An exhaust gas silencing tube of the class described comprising a tube having one end closed, and a plurality of U shaped lateral branches formed on said tube and having their open ends facing inwardly toward each other, said branches being provided with substantially oppositely disposed openings, whereby gas is divided into streams and caused to abut within each branch, and the gas in each branch is caused to abut the gas in another branch.

2,081,307
DAMPER BEARING UNIT
Heyman Rosenberg, New York, N. Y.
Application December 7, 1935, Serial No. 53,305
4 Claims. (Cl. 126—292)



1. In a damper structure, the combination, with a damper blade, of a bearing unit therefor comprising a bearing member and a sector-like bearing plate pivotally secured thereto, said bearing member having a plurality of openings at different distances from the pivot, and said bearing plate having a plurality of radially disposed sets of openings adapted to be selectively registered with the openings of the bearing member by rotation about the pivot, fasteners passed through the openings of the bearing member, the registered members of the bearing plate and the damper blade for securing the parts together at a plurality of points along the damper axis, and additional fasteners passed through other openings of the bearing plate and through the damper blade for securing the bearing plate to the damper blade at points substantially removed from the axis.

2,081,308
COMPOSITE FABRICS AND THEIR MANUFACTURE
William Wallace Rowe, Cincinnati, Ohio, assignor to The Paper Service Company, Lockland, Ohio, a corporation of Ohio
Application May 10, 1934, Serial No. 724,936
20 Claims. (Cl. 154—46)

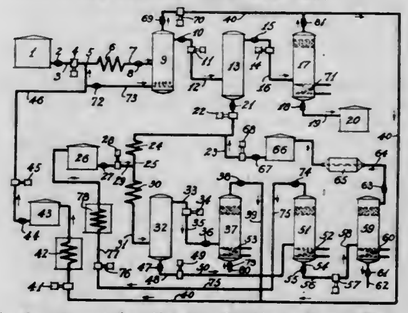


1. A composite fabric comprising a foundation web of cloth and a universally stretchable web, said stretchable web adhesively joined to said foundation web at closely interspaced areas, and characterized by a greater surface area of the stretchable web between said areas of juncture than the corresponding surface area of the foundation web.

2,081,309
PROCESS FOR TREATING OILS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application March 18, 1935, Serial No. 11,733
7 Claims. (Cl. 196—44)

3. The method of improving sour petroleum oil, comprising contacting the oil with a copper sweetening reagent, separating the sweetened oil from the copper reagent, contacting the sweetened oil with a stabilizing agent consisting of an adsorbent carrier material impregnated with a solution of an alkaline sulphide and an alkali, whereby the oil is stabilized against catalytic deterioration, and separating the stabilized oil from the stabilizing agent.

2,081,310
CO-PRECIPITATION OF ASPHALT AND WAX
Philip Subkow, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application May 16, 1932, Serial No. 611,712
14 Claims. (Cl. 196—13)



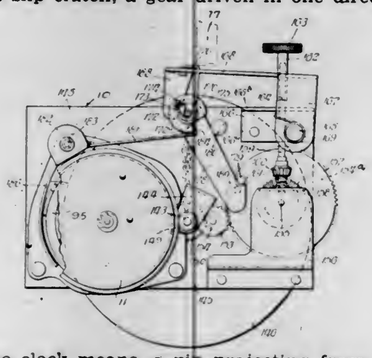
1. A process for the production of purified wax from an oil containing wax and impurities which comprises separating the wax and impurities as a mixture from said oil and extracting said mixture of wax and impurities with a selective solvent in which said impurities are soluble and said wax is insoluble and another solvent in which the wax is soluble and the impurities are insoluble, separating the solution of wax and said last mentioned solvent from the solution of impurities and selective solvent.

12. A process for the separation of asphalt and wax mixtures into asphalt and wax which comprises forming a solution of said mixture in liquid propane and the liquid sulphur dioxide soluble portion of kerosene, commingling said solution with liquid sulphur dioxide, separating wax dissolved in liquid propane and separating asphalt dissolved in the liquid sulphur dioxide soluble portion of kerosene and sulphur dioxide.

2,081,311
METER AND TIMING MEANS
Ernest H. Thompson, Chicago, Ill., assignor to International Register Company, Chicago, Ill., a corporation of Illinois
Application March 21, 1935, Serial No. 12,167
4 Claims. (Cl. 161—23)

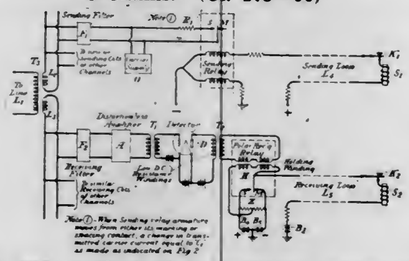
1. In combination, a synchronous electric motor, signal means comprising a pivoted arm yieldingly urged toward operative position, said arm being provided at one end with a magnetic element disposed in the magnetic field of the motor

to be actuated thereby, in the operative position of said arm, a cam normally disposed in rotary position to contact the other end of said arm and hold it in inoperative position with said magnetic element in inoperative position, yielding means normally holding the cam in said normal rotary position and in one axial position, a trip arm rigid with the cam and having limited turning movement in one direction for preventing turning of said cam in said direction beyond normal position, clock means, driving connections between said clock means and said motor comprising a slip clutch, a gear driven in one direction



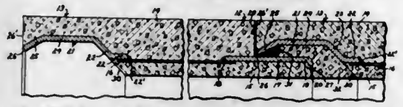
by the clock means, a pin projecting from said gear, said trip arm being normally disposed in the path of travel of said pin and cooperating therewith for turning the cam and releasing the arm of said signal means, means for rotating said gear in the other direction and thereby setting said clock means correspondingly to the extent of such rotation of said gear, means for preventing rotation of said gear in said one direction beyond tripping position, and means for turning said signal arm into inoperative position and shifting the cam axially out of normal position, thereby releasing said trip arm from said pin.

2,081,312
CARRIER TELEGRAPH SYSTEM
Vaughn P. Thorp, River Edge, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 5, 1934, Serial No. 729,157
6 Claims. (Cl. 178—66)



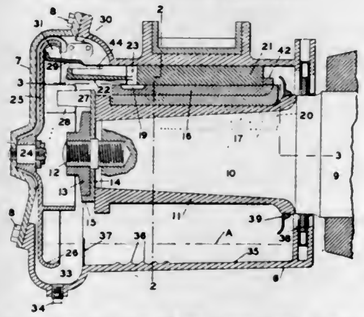
1. The method of transmitting carrier telegraph signals which consists in continuously and uninterruptedly transmitting a carrier current during signaling, changing the magnitude of the carrier current during its transmission by a small predetermined amount in accordance with marking and spacing signals and maintaining the said changes in magnitude of the said carrier current at the transmitting and receiving terminals substantially free of bias independently of variations in the transmitting medium within predetermined limits.

2,081,313
CONCRETE PIPE JOINT
Bozidar J. Ukropina, Los Angeles, Calif.
Application February 26, 1936, Serial No. 65,808
2 Claims. (Cl. 138—85)



1. A fluid conduit comprising a plurality of lengths of pipe, each of said lengths including a reinforcing tube, a bell member secured at one end to said tube and a spigot member secured at the other end to said tube, said spigot member comprising a cylindrical tube having its extreme end portion inwardly curved to provide an inwardly directed flange arranged at right angles to the axis of the length, said bell member comprising a cylindrical portion engaging said reinforcing tube, an outwardly flaring portion connected to said cylindrical portion, a second cylindrical portion connected to said outwardly flared portion and an inwardly flared portion connected to said second cylindrical portion, said inwardly flared portion having its end face in frusto-conical form, the diameter of the inner periphery of said frusto-conical end face being slightly greater than the diameter of said spigot member to provide a sliding fit thereon, the inner diameter of said second cylindrical portion being greater than the outer diameter of the spigot member to provide a chamber, said spigot member terminating intermediate the ends of the chamber, a caulking material in the chamber surrounding said spigot member and a cement filling in the chamber at the end of said caulking material.

2,081,314
JOURNAL BEARING
Albert Vigne, Webster Groves, Mo., assignor to National Bearing Metals Corporation, St. Louis, Mo., a corporation of New York
Application September 16, 1935, Serial No. 40,706
1 Claim. (Cl. 308—85)

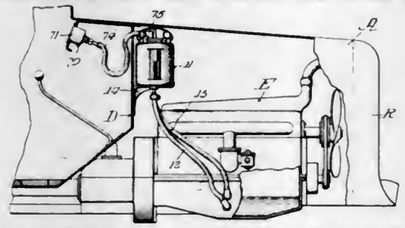


In a device of the class described, the combination with a journal box provided with an oil reservoir, of a removable cap for said box, an axle in the box, a brass seated on said axle, said brass having a passage for oil, a cup-shaped disk pivoted to said cap, and a spoon for transferring oil from said disk to the passage in the brass, said spoon being carried by the cap.

2,081,315
CONSTANT LEVEL APPARATUS
Max Weber, Chicago, Ill.
Application January 26, 1934, Serial No. 708,408
8 Claims. (Cl. 184—103)

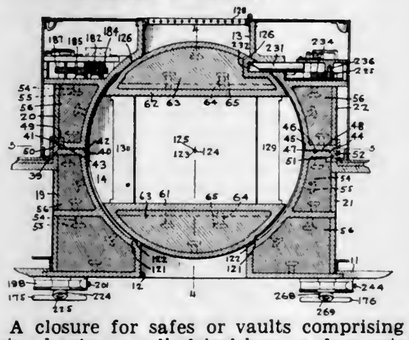
1. In combination with a vehicle having an

internal combustion engine mounted thereon for propelling purposes, an apparatus for constantly maintaining the oil in the crank case of the engine at a predetermined level comprising an air-tight reservoir mounted on the vehicle above said level and adapted to contain a supply of oil, a feed pipe having one end thereof connected to the bottom of the reservoir to receive oil therefrom and its other end extending into the crank case and terminating adjacent to the intersection of the longitudinal and transverse centers of the crank case and beneath said level and



serving when the reservoir is vented to feed oil from the reservoir to the crank case, and a vent pipe having one end thereof leading to the top of the reservoir and its other end extending into the crank case and terminating at the level at which the oil is to be maintained in the crank case and at said intersection of the longitudinal and transverse centers of the crank case, and adapted when the oil in the crank case drops below its proper level and exposes to atmosphere its said other end to introduce air into the reservoir for oil-feeding purposes.

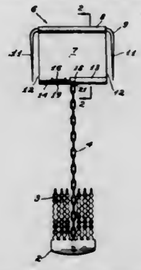
2,081,316
VAULT
William E. Wilkinson, York, Pa., assignor to York Safe and Lock Company, York, Pa., a corporation of Delaware
Application May 29, 1935, Serial No. 24,005
10 Claims. (Cl. 109—1)



1. A closure for safes or vaults comprising a housing having a cylindrical bore, a door rotatably mounted within the bore, the axes of said bore and said door coinciding, and surfaces formed eccentrically on said door for bearing against the wall of said bore when said door is rotated towards closed position.

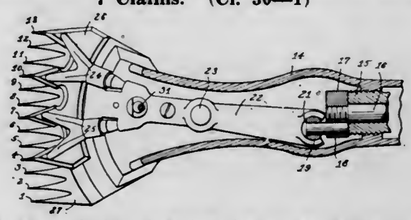
2,081,317
HAT FASTENER
Emilie M. Wilson, San Francisco, Calif.
Application September 13, 1934, Serial No. 743,782
2 Claims. (Cl. 132—61)

1. In a hat fastener, a clasp for attachment to the hat comprising a plate member, one edge of said plate member being bent to form a tube, a pin member mounted in said tube, and a tubular member mounted on another edge of said plate member and having a slot to allow



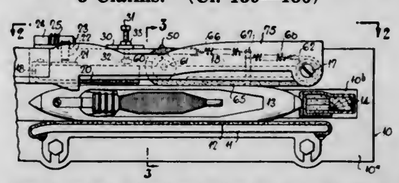
projection of said plate member therethrough; flexible means mounted on said clasp by said tubular member; and means connected to said flexible means for attachment to the wearer of said hat.

2,081,318
SHEARING MACHINE AND COMB THEREFOR
Horace C. Wright, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application November 7, 1935, Serial No. 48,631
7 Claims. (Cl. 30—1)



5. A comb for shearing machines of the type having a pronged cutter reciprocable with a simple harmonic motion comprising a body and a row of teeth thereon, the points of which are unequally spaced according to a definite cycle repeated along the row, the length of each cycle being equal to the stroke of the cutter, the teeth of each cycle being arranged so that the wider spacings thereof lie at the center of the cycle.

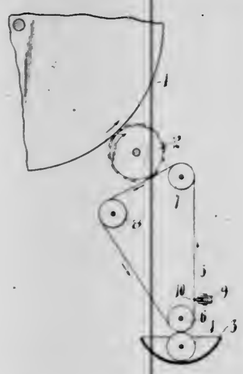
2,081,319
SHUTTLE BOX AND BINDER
William H. Bahan, Greenville, S. C.
Application December 30, 1935, Serial No. 56,771
5 Claims. (Cl. 139—186)



1. In a loom having a lay and a shuttle box at each end of the lay, a picker having a picker stick attached thereto for receiving and stopping the shuttle and for projecting the shuttle from the box, a pair of spaced rollers mounted in one side of the shuttle box, a wedge-shaped lining mounted on said rollers and being movable by the shuttle as it travels in the box to apply

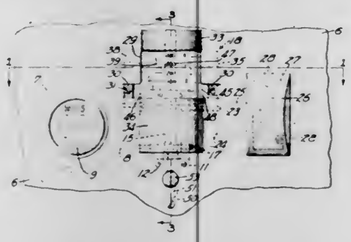
gradually increasing pressure to the sides of the shuttle to stop the shuttle at the proper position in the box.

2,081,320
DOCTOR BLADE FOR ROLLS, TRAVELING WEBS, AND THE LIKE
James Roy Burgess, Toronto, Ontario, Canada, assignor to Canadian Wallpaper Manufacturers Limited, Toronto, Canada
Application August 10, 1935, Serial No. 35,616
1 Claim. (Cl. 91—18)



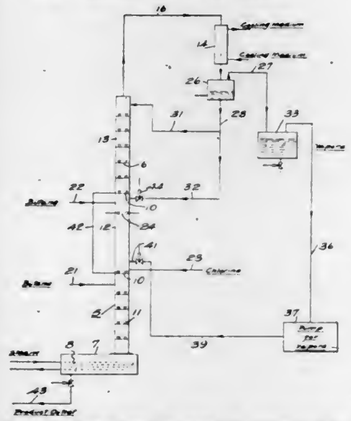
In a doctor, the combination of a pair of rigid retainers, a glass blade mounted between said retainers and extending beyond the forward edge thereof, resilient packing between each face of the blade and the adjacent retainer, and means for securing said retainers and blade together, and spacing means between said retainer for limiting the compression of the packing.

2,081,321
MILEAGE INDICATOR FOR VEHICLES
George Carlson, Richmond, Calif.
Application August 27, 1936, Serial No. 98,219
6 Claims. (Cl. 40—44)



1. In a motor vehicle, a chart movable in synchronism with the movement of said vehicle, said chart having thereon a line arranged with a plurality of portions thereof in spaced relation and provided with spaced markings, a fixed graduated index extending parallel with one of said portions of said line for evaluating the spacing between said markings on said line, and separate fixed indicia registrable with each of the other portions of said line as said chart is moved for evaluating the spacing between the markings on said other portions of said line and those on the first-mentioned portion thereof.

2,081,322
PROCESS AND APPARATUS FOR CONDUCTING CHEMICAL REACTIONS
Samuel C. Carney, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 8, 1930, Serial No. 487,196
Renewed August 19, 1935
13 Claims. (Cl. 23—263)

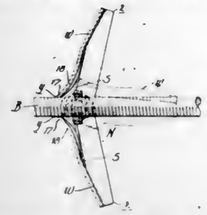


1. A chemical system in which chemical reactions are conducted in a continuous manner, comprising: a rectifying column provided at the top with refluxing means and at the bottom with heating means, a chemical reaction zone in this column, so situated that rectification will take place both above and below this reaction zone, means to introduce chemically reactive fluids into the column and pressure responsive means to introduce thermally responsive fluids directly into the reaction zone.

5. A process of conducting chemical reactions in a continuous manner in a rectifying column having a reaction zone and wherein rectification can take place both above and below the reaction zone, which process comprises bringing together in the reaction zone, in the fluid state, reactants which will produce a product of substantially higher boiling point than that of the reactants, causing the reaction to take place, regulating the temperature and pressure in the reaction zone so as to cause at least one of the reactants in the reaction zone to move toward the top of the column in the vaporous state and the reaction product to move toward the bottom of the column in the liquid state, causing the desired reaction product to leave the reaction zone substantially as soon as formed and rectifying at least part of such fluid after leaving the reaction zone.

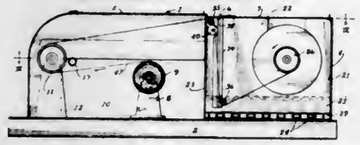
2,081,323
TOGGLE BOLT
Edward H. Cordes, Plainfield, N. J., assignor to U. S. Expansion Bolt Co., New York, N. Y., a corporation of New York
Application May 8, 1936, Serial No. 78,659
1 Claim. (Cl. 85—3)

A toggle bolt comprising, a threaded bolt, a nut threaded on the bolt, and channeled sheet metal wings pivotally mounted on the nut to lie upon opposite sides of the bolt, the center wall of each wing being depressed between its side flanges and longitudinally and transversely curved from said depressed portion to its inner extremity providing a relatively rigid and upwardly curving neck portion adapted to engage a substantial portion of the threaded bolt, and tension means urging the



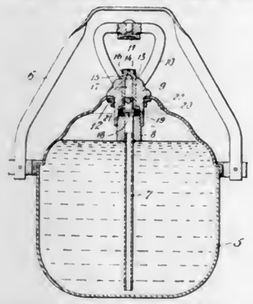
wings to a distended position for frictionally engaging said neck portions with the bolt.

2,081,324
MACHINE FOR WAXING PAPER
Lloyd L. Dodge, Rhinelander, Wis., assignor to Rhinelander Paper Company, Rhinelander, Wis., a corporation of Wisconsin
Original application October 12, 1932, Serial No. 637,421. Divided and this application March 9, 1935, Serial No. 10,227
6 Claims. (Cl. 91—46)



4. A converter apparatus for conditioning and waxing paper comprising an elongated tunnel-like hood, means for supplying a moist atmosphere within said hood, means for directing a web of paper through said hood, a closed compartment at the other end of said hood, said compartment having a wax bath therein, means for directing the web of paper from said hood into said wax bath, a driven roll above said wax for receiving the web of paper from the bath and means for heating said compartment.

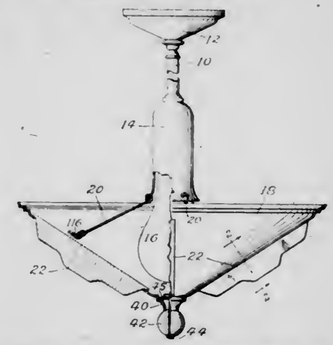
2,081,325
FIRE EXTINGUISHER
Howard Waters Doughty, Amherst, Mass.
Application April 2, 1936, Serial No. 72,305
4 Claims. (Cl. 169—26)



2. A diaphragm assembly for automatic fire extinguishers including a part of metal comprising a frangible diaphragm of a metal sufficiently different from that of said metal part of the fire extinguisher that, in the presence of an electrolyte, an appreciable electro-potential is developed, means for supporting the diaphragm and electrical insulating means embracing the periphery of the diaphragm and supporting means, including a cup of insulating material and a washer of like material inserted in and secured to the cup.

3. An automatic fire extinguisher adapted to release a fire-extinguishing liquid under pressure generated by an increase in temperature in the vicinity of the extinguisher to a predetermined point comprising an aluminum receptacle containing a fire-extinguishing liquid and a solution containing ammonium ions, which solution upon heating will liberate ammonia gas to create pressure upon the fire extinguishing liquid, an outlet assembly connected to the receptacle and including a frangible diaphragm of gold foil, a support of stainless steel for the diaphragm, and means for electrically insulating the diaphragm and support from the aluminum receptacle whereby in the presence of said solution electrolytic corrosion is avoided.

2,081,326
LIGHTING FIXTURE
Arthur P. Ebrite, Chicago, Ill., assignor of one-half to E. C. Koegel, Chicago, Ill.
Application December 21, 1934, Serial No. 758,592
1 Claim. (Cl. 240—78)



Illuminating equipment comprising a light source, a reflector, said reflector having a minor fraction of its surface interrupted to define an ornamental tracery pattern, and translucent material conforming to said pattern, said material having portions overlying the upper surface of the reflector and providing complete support for said material, said translucent material extending through the interruptions in said reflector surface, and being shaped to be moved into assembled position from above and held in place by gravity.

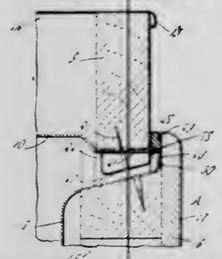
2,081,327
PROCESS FOR BLEACHING
Ehrhart Franz, Leipzig, Germany
No Drawing. Application February 23, 1934, Serial No. 712,608. In Germany January 18, 1934
7 Claims. (Cl. 8—2)

1. In a chlorine-free bleaching process, the step of acid bleaching in a hydrogen peroxide solution rendered acid by an addition selected from the group consisting of sulphuric acid in combination with an alkaline sulphate, boric acid, phosphoric acid, and the organic acids.

2,081,328
CABINET
Carl F. Gerhardt, Kenmore, N. Y.
Application July 30, 1932, Serial No. 626,702
3 Claims. (Cl. 220—9)

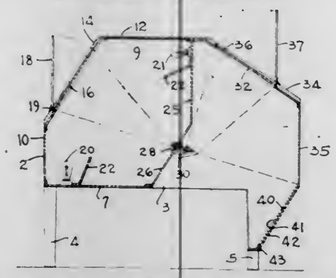
1. A cabinet having a door opening, an outer shell having an edge portion extending into said

door opening, a strip of insulating material in said door opening and covering said edge portion and having a portion forming a projection extending beyond the outer surface of said outer



shell around said door opening, a door for closing said door opening, and a seal of flexible material secured to said door and arranged to engage both with said outer shell and with said projection to form a double seal between said door and cabinet.

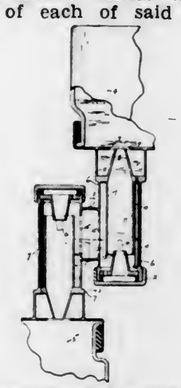
2,081,329
PHOTOPRINT MACHINE
Charles C. Gordon, Jr., Houston, Tex.
Application September 18, 1934, Serial No. 744,483
4 Claims. (Cl. 88—24)



1. A photo-print machine of unitary construction including a lens, a subject holder located in front of said lens and designed to receive a sensitized sheet of material for making a contact print if desired, means for illuminating a subject in said holder, a copy holder located in the rear of said lens in a position to receive reflected rays from the subject directly through said lens, a second copy holder disposed in perpendicular relation to said first mentioned copy holder, and a removable reflector in the rear of said lens for projecting onto said second copy holder the rays leaving said lens, the arrangement providing for the simultaneous production of a contact print with either a positive or a negative print, or the production separately of either a contact, positive, or negative print.

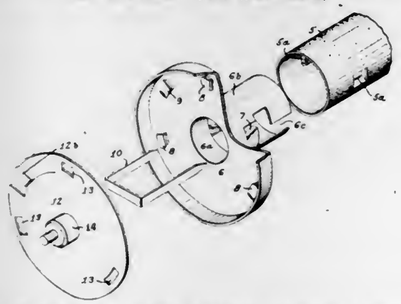
2,081,330
OIL SUPPLY REGULATOR
Harry D. Harper, Youngstown, Ohio
Application June 13, 1936, Serial No. 85,107
3 Claims. (Cl. 184—103)

3. An oil supply regulator comprising a bracket carrying a rotatable body member having a gland positioned between said bracket and body member, in combination with a pair of oppositely disposed tubular valve chambers mounted on said body member, a pair of transparent containers mounted on said tubular valve chambers, elongated openings formed between said valve chambers and the body member to control the flow of oil, an inner tubular chamber in each valve chamber and a pipe and equalization chamber for each valve chamber, said pipe and equalization chamber so placed as to prevent the unpriming of the device when in an upright operating position and serving as a vent when in an inverted position, a restricted orifice at equalization chamber end of each of said inner tubular



chambers, and an inverted V slot formed in the other end of each tubular chamber, said inverted V slot positioned to meter oil into the said body member when in an upright position and designed to serve as an overflow outlet when in an inverted position, together with a removable cap for each valve chamber, and a tapered orifice in each of said valve chambers to facilitate filling, substantially as described.

2,081,331
YARN SPOOL
Edgar F. Hathaway, Wellesley, Mass.
Application November 4, 1933, Serial No. 696,657
12 Claims. (Cl. 242—124)

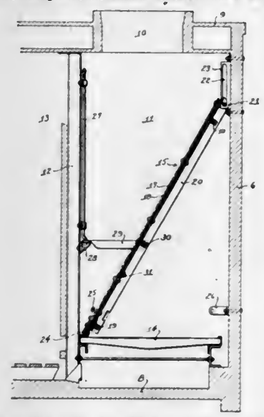


3. A tubular barrel having interior loop-like bosses, end heads having tubular hub members adapted to fit inside the barrel and having bayonet joint slots for receiving said loop members, and a key member insertable through the hub to pass through said loops and prevent rotation of the head relative to the barrel.

2,081,332
AUXILIARY GRATE FOR HALF-TANK ICING
Charles W. Hiles, Houston, Tex.
Application December 24, 1935, Serial No. 56,022
8 Claims. (Cl. 62—19)

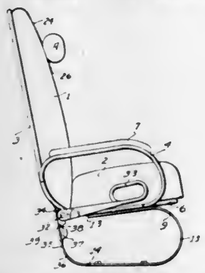
1. In a refrigerator car having an ice tank and a lading compartment, a bulkhead separating said tank from said compartment, a substantially

horizontal ice grate in the lower portion of said tank, and an auxiliary grate mounted in an inclined position within said tank, the lower edge of said auxiliary grate resting upon said horizontal grate adjacent said bulkhead and its upper



edge being supported adjacent the opposite wall in the upper region of the tank, said auxiliary grate being movable from said inclined position to a vertical position adjacent one wall of said tank.

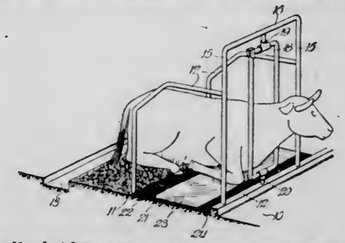
2,081,333
ADJUSTABLE CHAIR
Myrl P. Hoover, Bend, Oreg.
Application September 23, 1935, Serial No. 41,696
5 Claims. (Cl. 155—9)



4. In combination with a chair frame of the class described, a pair of resilient supports secured to the front of said chair frame, means for adjusting the inclination of the frame with respect to the supports, said means, when in locked position, being adapted to act as an additional support for the frame, said means includes: a resilient member positioned at the rear of said chair frame and between said supports, said member having a plurality of notches therein, a shaft journaled to the frame and adapted to engage within said notches, one at a time, means secured to the shaft and positioned upon said resilient member adapted to effect the disengagement of said shaft from said notches and manually operable means for actuating said last mentioned means.

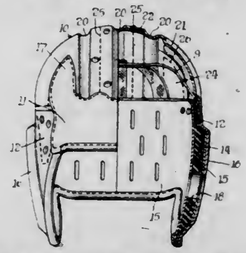
2,081,334
BEDDING
Ray Kickenbush, Burlington, Wis., assignor to Luse-Stevenson Co., Chicago, Ill., a corporation of Illinois
Application January 7, 1935, Serial No. 659
1 Claim. (Cl. 119—28)

In a bovine animal stall, a stall platform having thereon an insulating animal bedding pad formed of felt disposed only over that portion of



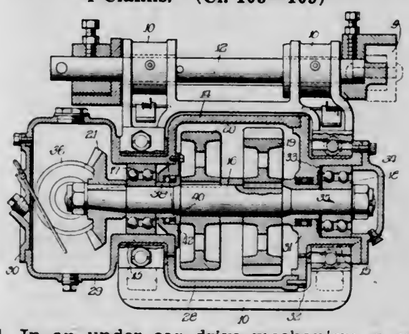
the stall platform normally occupied by the front half of the animal and having on the remaining portion thereof another bedding material.

2,081,335
HEAD GUARD
David Levinson, Chicago, Ill., assignor to Standard Sports Mfg. Co., Chicago, Ill., a corporation of Illinois
Application July 17, 1935, Serial No. 31,766
6 Claims. (Cl. 2—3)



1. A head guard of the character set forth having a crown portion made of a single piece of relatively stiff leather molded to a semi-ovoid shape and having a plurality of inwardly projecting, spaced corrugations molded therein with a plurality of plates of stiffening material secured to the inner face of the crown portion in the spaces between the corrugations.

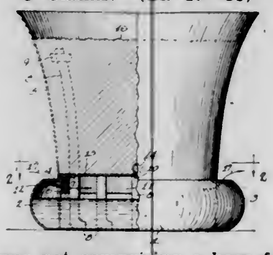
2,081,336
DRIVING MECHANISM FOR RAILWAY CAR GENERATORS
Otto L. Lewis and John P. Wright, Chicago, Ill., assignors, by mesne assignments, to Foote Bros. Gear and Machine Corporation, Chicago, Ill., a corporation of Delaware
Application June 19, 1935, Serial No. 27,337
4 Claims. (Cl. 105—109)



1. In an under car drive mechanism, a supporting structure, a hanger frame pivotally

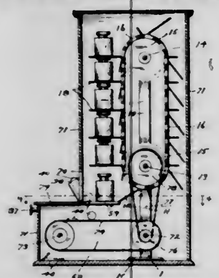
mounted thereon, said hanger frame having spaced leg members, a rigid partially open housing mounted on said frame between said leg members and having a portion of said housing overhanging the frame, bearing members mounted in said housing in the proximity of said leg members, a driven shaft rotatably mounted within said housing in said bearing members and extending into said overhung portion, said driven shaft having a pinion mounted thereon within said partially opened housing, a drive shaft disposed adjacent said housing, said drive shaft having a gear member mounted thereon for cooperation with said pinion through said partially open housing, a propeller shaft and gear means mounted within said overhung gear casing for driving said propeller shaft from said driven shaft.

2,081,337
COMBINATION FLOWERPOT
Robert H. Lockyer, San Francisco, Calif.
Application April 25, 1936, Serial No. 76,411
8 Claims. (Cl. 47—38)



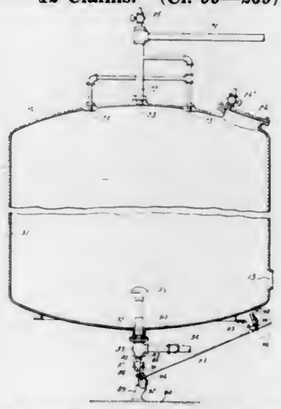
1. A flower pot comprising a base for holding water, a container removably disposed in the base, a bottom having a diameter equal to the diameter of the lower end of the container, and being removably disposed in the container, means carried by the container wall for supporting the bottom above the water level in the base, and a plurality of wicks projecting through the bottom adjacent to the periphery thereof and extending along the inner surface of the container wall, the lower ends of the wicks being immersed in the water.

2,081,338
VENDING MACHINE
George Morrison, Poughkeepsie, N. Y.
Application July 19, 1935, Serial No. 32,247
1 Claim. (Cl. 194—98)



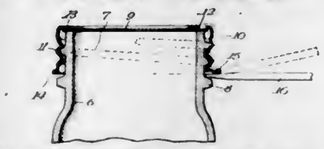
In a coin display means for vending machines comprising a casing, a transparent shelf carried and forming a part of the casing, a coin receiving chute adjacent one end of the shelf, an endless coin receiving belt in the casing, a coin storage chamber beneath the belt, said belt being of a width greater than the diameters of the coins deposited thereon and having an unobstructed surface adapted to have its upper stretch presented under the coin chute to receive the coins thereon in various positions before being conveyed to the storage chamber, said belt having its side edges spaced from the side walls of the casing a distance less than the diameters of the coins, and means for imparting movement to the belt.

2,081,339
LIQUID STORAGE TANK
Harold E. Rue, West Orange, and Raymond N. Bostock, Montclair, N. J., assignors to Hoffman Beverage Company, Newark, N. J., a corporation of New Jersey
Application September 30, 1935, Serial No. 42,804
12 Claims. (Cl. 99—269)



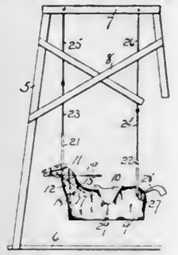
12. In apparatus of the type described, the combination of a substantially cylindrical closed container, a bottom opening therefor, a valve disc cooperating with a seat for controlling the bottom opening, a tubular stem carried by the valve disc and projecting through the opening into the container, said stem having ports controlled by the axial position of the valve disc, means for moving the valve disc and the stem axially to control the valve opening and the port opening, a spray head for the stem, and means for supplying a sterilizing liquid under pressure to the spray head for forceful impingement against the interior surfaces of the container when the valve is open and the ports are closed.

2,081,340
JAR CLOSURE
John Robert Spahn, Evansville, Ind., assignor to Bernardin Bottle Cap Co., Evansville, Ind., a corporation of Indiana
Application July 23, 1934, Serial No. 736,462
2 Claims. (Cl. 215—43)



1. As a new article of manufacture, a sheet metal cap adapted to seal a vacuumized jar and comprising an imperforate circular top wall with sealing means around the marginal part of the inner face thereof and an integral annular skirt depending from the top wall and having the central portion thereof shaped to form an internal screw thread for engaging an external screw thread on the neck of the jar and having the bottom margin thereof rolled back to form a reinforcing bead and deflected outwardly and upwardly at a localized portion thereof to form a concavo convex boss-like projection for receiving a pry and facilitating outward flexure of the superjacent portion of the skirt and top wall by the pry in connection with venting of the jar prior to cap removal.

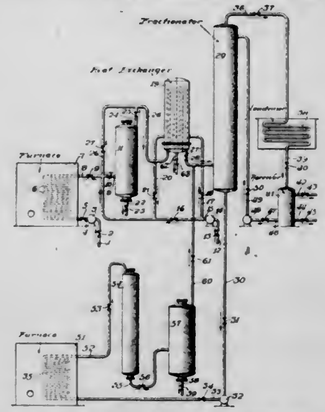
2,081,341
SWING
Daniel B. Sullivan, Portland, Conn.
Application August 21, 1935, Serial No. 37,173
4 Claims. (Cl. 155—65)



1. A swing including a pair of suspenders, an elongated seat carrier supported by the suspenders for swinging movement in the plane of the suspenders, one of the suspenders being directly attached to the rear end of the seat carrier, an actuator to effect swinging movements of the seat carrier including a pair of pivotally connected members, one of the members being pivotally attached to the forward end of the seat carrier and the other member being pivotally attached to the other suspender, and a pull device carried by the member attached to the suspender at a point forwardly of the point of attachment of said member to the suspender and disposed in a plane below the pivotal connection between the two members with actuating force on the pull devices exerted in a direction towards the rear end of the seat carrier.

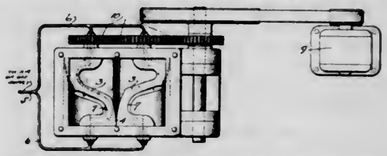
2,081,342
CONVERSION OF HYDROCARBON OILS
Kenneth Swartwood, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 29, 1933, Serial No. 673,332
2 Claims. (Cl. 196—49)

1. A process for the simultaneous reforming of light hydrocarbon oil containing gasoline fractions of inferior anti-knock value and for the conversion of hydrocarbon oil heavier than gasoline into gasoline, which comprises subjecting the light oil while flowing in a restricted stream through a heating coil to cracking conditions of temperature and pressure adequate to enhance the anti-knock value of said gasoline fractions contained therein, cooling the thus heated light oil promptly upon discharge from the coil to below cracking temperature by commingling therewith said heavier oil while at below cracking temperature and by pressure reduction thereon, thereby heating the heavier oil to distillation temperature, separating the commingled oils into vapors and residue and fractionating the former to condense heavier fractions thereof, heating resultant reflux condensate, while flowing in a restricted stream through a second heating coil, to a lower cracking temperature than the light oil in the first-mentioned heating coil and then passing the same through a reaction zone maintained under cracking conditicns and effecting

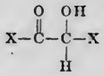


further conversion therein, fractionating resultant vapors in admixture with the first-named vapors whereby insufficiently cracked fractions thereof are returned to the second heating coil in said reflux condensate, and finally condensing the fractionated vapors.

2,081,343
EDIBLE PRODUCT
Franciscus Visser't Hooft and Frederik Johan Gerrit de Leeuw, Buffalo, N. Y., assignors to Lucidol Corporation, Buffalo, N. Y., a corporation of Delaware
Application May 29, 1934, Serial No. 728,162
11 Claims. (Cl. 99—90)



1. The process of making baked food products of improved flavor which comprises compounding and manipulating the usual ingredients and providing a compound of the general formula

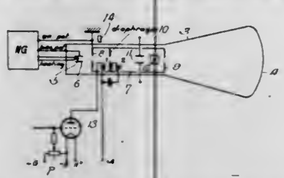


where X is an alkyl group, in the said ingredients prior to the baking operation, and so treating the mixture as to prevent reduction of said compound during the manipulation and baking of said ingredients and baking the said ingredients.

2,081,344
BRAUN TUBE
Manfred von Ardenne, Berlin, Germany
Application July 8, 1933, Serial No. 679,501
In Germany July 11, 1932
7 Claims. (Cl. 250—27.5)

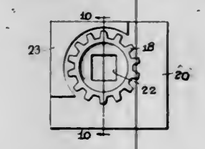
5. A Braun tube comprising a closed envelope, a cathode and an anode mounted inside said envelope and in operative relationship to said cathode for producing a cathode ray, said anode

consisting of a metallic tube which is furnished at its both ends with apertured discs, a fluorescent screen, two pairs of deflecting plates for deflecting



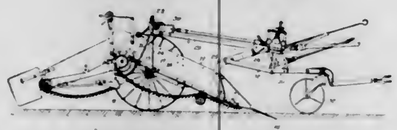
the cathode ray in two directions perpendicular to each other for scanning said screen, said deflecting plates being mounted within said anode tube.

2,081,345
AUTOMATIC STEREOTYPE CHASE LOCKUP
Charles L. Waterston and George W. Holloway, Nashville, Tenn.
Application November 13, 1935, Serial No. 49,588
5 Claims. (Cl. 101—394)



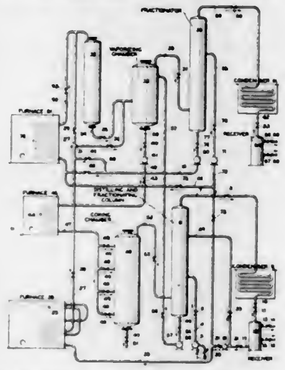
1. In an automatic form lockup of the type described, the combination of a chase, an outer side wedge bar, an outer end wedge bar, each of the bars having a series of wedge surfaces along their inner edges, and having rack extensions on their ends, inner side and end wedge bars in operative contact with the aforesaid outer side and end wedge bars and having a series of similar wedge surfaces, a gear having its teeth meshing with the teeth of the rack bar extensions of the outer side and end wedge bars, a wrench opening in the gear, a metal case having a segmental guard, and a retaining disc carried by the gear and rotatably seated in the aforesaid metal case.

2,081,346
POWER LIFT AND POWER DRIVEN POTATO DIGGER
Herman E. Altgelt, South Bend, Ind., assignor to Oliver Farm Equipment Company, a corporation of Delaware
Application March 2, 1936, Serial No. 66,572
24 Claims. (Cl. 97—50)



1. The combination with an agricultural implement having a main frame, of a forecarriage pivotally connected to said frame, movable elements mounted on said frame, a transmission mechanism mounted on said main frame for driving said movable elements, and a power lift mechanism associated with said transmission mechanism and operatively connected to said carriage for adjusting said main frame with respect to said carriage.

2,081,347
CONVERSION OF HYDROCARBON OILS
Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 8, 1934, Serial No. 729,542
15 Claims. (Cl. 196—49)

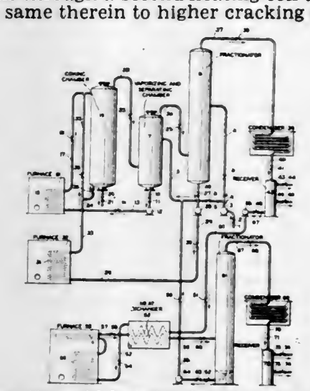


1. In a process for the conversion of hydrocarbon oils wherein hydrocarbon oil is subjected to conversion conditions of elevated temperature and superatmospheric pressure in a cracking zone, the resulting residual liquid and vaporous conversion products separated in a reduced pressure separating zone, the vapors subjected to fractionation for the formation of reflux condensate and the recovery of desirable low-boiling components and the residual liquid subjected to additional heating, to effect its reduction to coke in a zone separate from that wherein the aforementioned residual liquid and vaporous conversion products are separated, the improvement which comprises subjecting hydrocarbon oil charging stock for the process to fractional distillation by means of heat derived from the vaporous products of the coking operation, subjecting the vaporous products of the coking operation to fractionation, subjecting selected relatively high-boiling components of the charging stock and of the vaporous products of the coking operation to said conversion in said cracking zone subjecting selected relatively low-boiling components comprising the total motor fuel boiling component of the charging stock and of the vaporous products of the coking operation to independently controlled more severe conversion conditions, and commingling products of the last-named conversion stage with products of the first-mentioned conversion stage.

2,081,348
CONVERSION OF HYDROCARBON OILS
Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 28, 1935, Serial No. 46,978
4 Claims. (Cl. 196—49)

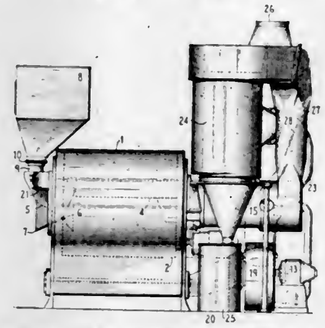
1. A hydrocarbon oil conversion process which comprises contacting hydrocarbon vapors with charging oil in a vaporizing zone, separately removing uncondensed vapors and unvaporized oil from said zone, distilling the unvaporized oil to coke in a coking zone, fractionating said uncondensed vapors to separate heavier from lighter fractions thereof, heating said heavier fractions to cracking temperature under pressure in a heating coil and then discharging the same into the coking zone, removing vapors from the coking

zone and introducing the same to said vaporizing zone, passing at least a portion of said lighter fractions through a second heating coil and heating the same therein to higher cracking tempera-



ture than the said heavier fractions in the first-named coil, separating the resultant products into heavy and light components and introducing such heavy components into said vaporizing zone.

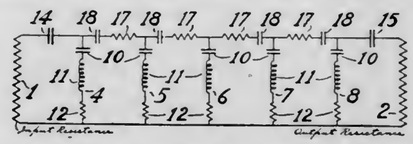
2,081,349
ROASTING APPARATUS
Leslie H. Backer, Summit, N. J., Joseph H. Keenan, Brookline, Mass., and Joseph L. Kopf, East Orange, N. J., assignors to Jabez Burns & Sons, Inc., New York, N. Y., a corporation of New York
Application February 8, 1935, Serial No. 5,554
8 Claims. (Cl. 34—5)



1. In a roaster for coffee, cocoa beans, peanuts and the like, the combination with a roasting chamber, of a heating chamber located at one end of said roasting chamber and directly communicating therewith, a heating element for creating incandescence in said heating chamber, and means for withdrawing the gases from said roasting chamber through the material to be roasted and for repassing the gases to said heating chamber back of and then in contact with and along the source of heat to reheat the gases and burn the smoke particles before again entering said roasting chamber.

2,081,350
METHOD AND APPARATUS FOR ELIMINATING LOW FREQUENCIES
Ludwig W. Blau, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 6, 1933, Serial No. 659,822
16 Claims. (Cl. 177—352)

16. In seismic prospecting in which earth vibrations of varying frequencies are produced, apparatus for recording the relatively high frequency earth waves, which comprises means for transforming the earth vibrations into their corresponding pulsations of electric energy of mixed high and low frequency, means for passing the pulsations through successive stages of an elec-

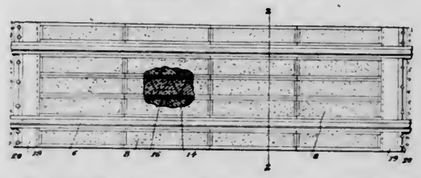


tric system constituting an oscillatory system adapted to resonate, means for filtering out low frequency pulsations of different wave lengths at each stage, means for damping out any oscillations generated in the system, means for passing the high frequency pulsations through the system, and means for recording the high frequency pulsations.

2,081,351
PROCESS FOR THE TREATMENT OF PHOSPHORIC ACID
Charles F. Booth and John E. Malowan, Anniston, Ala., assignors, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application September 13, 1934, Serial No. 743,826
6 Claims. (Cl. 23—165)

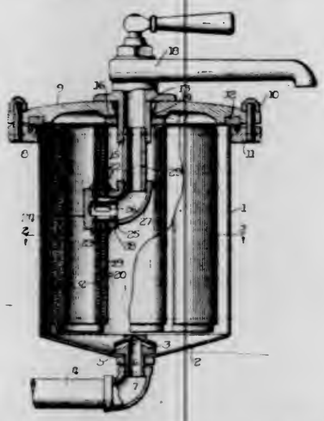
1. The method of removing lead compounds from strong phosphoric acid containing a small proportion of sulfuric acid, and containing lead as an impurity, comprising adding to said acid an alkaline earth metal compound selected from the class consisting of compounds of barium and strontium to form a precipitate therein, said compounds being added in amount which will not materially reduce the free sulfate content of the acid, and removing a lead-containing precipitate from the acid.

2,081,352
JOINT FOR RAILROAD CROSSINGS
Albert E. Brown, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application February 19, 1936, Serial No. 64,763
2 Claims. (Cl. 238—8)



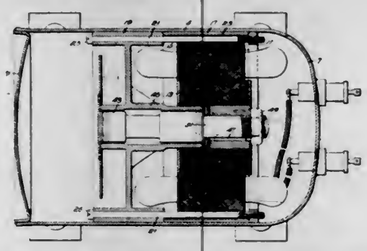
1. A slab for highway crossing comprising a concrete slab having a serpentine reinforcing bar extending along one dimension thereof and having apices at the sides of the slab, metal facings on the edges of the slab, the facings parallel to the dimension along which the serpentine bar extends, each having a longitudinal inset portion forming on the inner surface an inwardly extending rib, and a longitudinal channel in its outer surface, the walls of the channels forming bearing surfaces for engaging adjacent members of the crossing, and the inner surfaces of the ribs being welded respectively to the opposite apices of the serpentine bar.

2,081,353
FILTER
Herbert L. Dick, Chicago, Ill.
Application June 10, 1932, Serial No. 616,381
Renewed October 21, 1936
6 Claims. (Cl. 210—165)



3. A water filter element, comprising a rigid drainage member surrounded by a filter cloth, the adjacent free edges of said cloth being sealed together with a water insoluble adhesive agent to form a water-tight union.

2,081,354
REFRIGERANT COMPRESSOR
William D. Drysdale, Mount Clemens, Mich., assignor to Walter J. Sugden, Boston, Mass.
Application November 1, 1934, Serial No. 750,982
4 Claims. (Cl. 230—58)

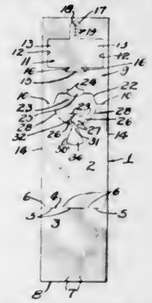


2. A motor compressor unit comprising, in combination, a housing having a closed end and having an opposite end provided with an opening normally closed by a cover, a motor comprising a rotor and a stator housed within said housing, a shaft extending through said rotor and provided with a shoulder and with a screw-thread adjacent said closed end, a nut threaded onto said screw-thread and cooperating with said shoulder to secure said rotor to said shaft, a bearing for said shaft housed within said housing, a compressor housed within said housing and having a connection with said shaft constructed for connection with and disconnection from said shaft without disturbing said shaft, securing means to secure said compressor to said bearing, said securing means being accessible through said opening to attach said compressor to and to detach the same from said bearing without disturbing said bearing, and means to secure said bearing to said stator and to secure said stator to said housing.

2,081,355
PROCESS OF PREPARING GLYOXYLIC ACID
Paul Heisel, Gersthofen, near Augsburg, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 27, 1934, Serial No. 722,818. In Germany May 4, 1933
6 Claims. (Cl. 260—112)

1. The process which comprises reacting upon a metal salt of dichloro-acetic acid in dilute aqueous solution with a metal salt of another organic acid while heating to boiling.

2,081,356
SHIRT BOARD
George Frederick Hiss, Los Angeles, Calif.
Application April 21, 1933, Serial No. 667,169
16 Claims. (Cl. 223—71)



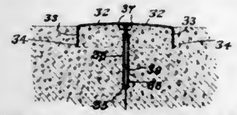
1. A shirt board comprising a body portion and a foldable portion at each end thereof; one of said foldable portions being adapted to be received within the folds of a shirt skirt when folded therearound and also adapted to be folded upon said body portion, and the other of said foldable portions being adapted to be folded upon said body portion and also having a projection cut out therefrom, said projection extending from one end of said body portion when said other foldable portion is moved to folded position.

2,081,357
METHOD OF IMPROVING GASOLINE
Vladimir Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 5, 1932, Serial No. 620,992. Renewed July 25, 1935
4 Claims. (Cl. 196—10)

3. A process for increasing the anti-knock value of gasoline containing a hydrocarbon of the benzene series, which comprises adding an alkylating agent to the gasoline, passing olefinic material in gaseous form into the resultant mixture, reacting the olefinic material with said hydrocarbon in the presence of said agent to form an alkylated aromatic having anti-knock properties, and separating the gasoline containing the thus formed alkylated aromatic from the alkylating agent.

2,081,358
HIGHWAY TRAFFIC MARKER
Julius Kahn, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application September 24, 1932, Serial No. 634,746
14 Claims. (Cl. 94—1.5)

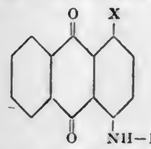
1. Traffic marking means for highways comprising a plurality of members spaced from one another longitudinally along the highway for embedment in the sections of the roadway along the line of cleavage that defines said roadway sections, said members being movable with the roadway sections in which they are embedded on the expansion and contraction of the said sections and being individually free from the contiguous



roadway sections on the opposite side of the line of cleavage, and anchoring means for said members adapted to be embedded in the roadway and having connections with said members, said connections permitting the movements of the members with the roadway sections and with relation to the anchoring means.

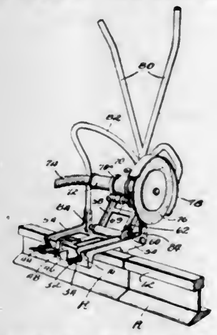
2,081,359
ANTHRAQUINONE DYESTUFFS CAPABLE OF BEING CHROMED
Georg Kränzlein, Frankfort-on-the-Main-Hochst, Hans Schlichenmaier, Kelkheim in Taunus, and Theodor Meissner, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 17, 1935, Serial No. 54,938. In Germany December 18, 1934
5 Claims. (Cl. 260—59)

1. The compounds of the general formula:



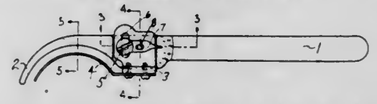
wherein X is a member of the group consisting of hydroxy, amino, arylamino and alkylamino, Y is a member of the group consisting of H and the alkali metals, and R means the radical of an aromatic ortho-hydroxy-carboxylic acid.

2,081,360
RAIL SLOTTER
Arthur William Mall, Chicago, Ill.
Application May 9, 1935, Serial No. 20,649
12 Claims. (Cl. 51—241)



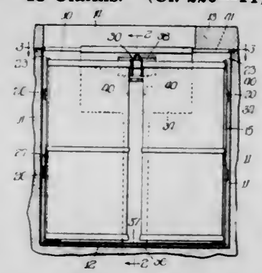
10. A rail slotting device comprising a base member adapted to be rigidly attached to a rail to be worked upon, pedally operated means for engaging or releasing said base member from said rail, a bracket pivotally secured to said base member, a grinding wheel carried by said bracket, a flexible shaft for driving said grinding wheel and adjusting means associated with said bracket for axial movement of said grinding wheel.

2,081,361
CORN CUTTER
Charles D. Marshall, North Jackson, Ohio
Application October 15, 1935, Serial No. 45,011
2 Claims. (Cl. 146—4)



1. In a hand corn cutter, a handle for said hand corn cutter, a guide member fixed to the handle, a cutting blade for said corn cutter mounted on the handle in longitudinal spaced relation to said guide, means for adjusting the space between the guide and cutting blade, said means comprising a slidably maintained support member positioned on said handle and carrying said cutting blade and a screw in said handle functioning within a slot in said slidably maintained support member, an indicator hand having one end thereof pivoted to said screw and pivotally engaged at its midportion with the said slidable support member.

2,081,362
DISPENSING APPARATUS
Walter T. McGinnis, Chicago, Ill.
Application December 8, 1934, Serial No. 756,574
13 Claims. (Cl. 220—14)

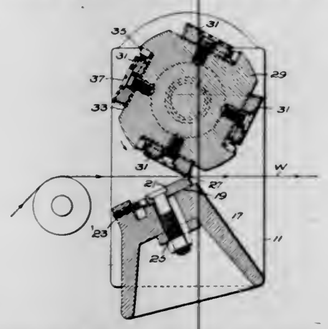


1. Dispensing apparatus of the character described, comprising a reinforcing frame having detachable association with a container, said frame yieldingly engaging the side walls of the container for strengthening the same, means provided by the frame for engaging the upper edge of the container to prevent movement of the same with respect to the frame in an upward direction, and intermediate supports provided by said frame for engaging the base of the container to support the same.

2,081,363
PERFORATOR
Charles A. Meisel, Milton, Mass., assignor to Meisel Press Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application September 27, 1933, Serial No. 691,189
7 Claims. (Cl. 164—68)

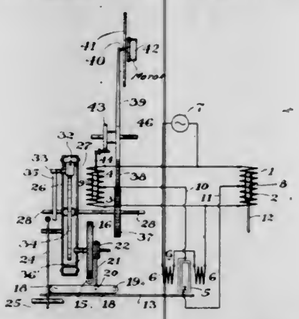
6. Mechanism for providing spaced lines of perforations in a paper web comprising a fixed knife presenting a cutting edge to one side of

the web, a rotary cylinder at the opposite side of the web having a cooperating knife disposed along a chord thereof, one of said knives having a cutting edge comprising spaced aligned cutting portions which cooperate with the edge of the other knife to form a series of perfora-



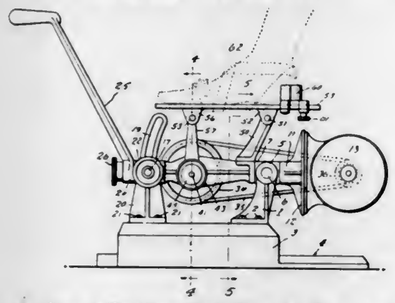
tions instead of a continuous cut, said cylinder carrying the edge of its knife through a path substantially tangent to the points of cutting, said chord being disposed to form an angle of between 25° and 45° with the web at the time when the knife edges are in opposition.

2,081,364
MEASURING SYSTEM
William Melas, Bala-Cynwyd, Pa., assignor to Cochrane Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 2, 1934, Serial No. 718,641
32 Claims. (Cl. 177—351)



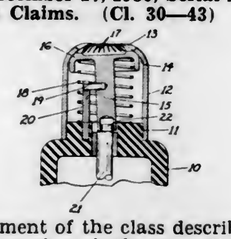
1. The combination with a system comprising a member movable in response to change in magnitude of a condition under measurement, a balanceable network including a pair of inductances an element movable by said member relative to said inductances to change their relative impedances and unbalance said network, a second pair of inductances in said network, an element movable relative to said second pair of inductances to change their relative impedances, of a sensitive detecting instrument having deflecting structure movable in sense and to extent in accordance with the sense and extent of unbalance of said network, a continuously rotating motor, a disengageable driving connection between said motor and said second element, and mechanical relay means controlled by said deflecting structure for engaging said driving connection to effect adjustment of said second element relative to said second pair of inductances in sense and to extent to rebalance said network.

2,081,365
FOOT VIBRATOR
Hilmar Mueller and Hans Tretter, Trenton, N. J.
Application November 16, 1934, Serial No. 753,352
16 Claims. (Cl. 128—25)



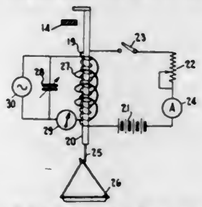
1. A foot vibrator including a foot support capable of simultaneous vibration and oscillation, means for vibrating the foot support, and means for rocking said support independently of its vibratory motion while the vibrator is in assembled relation.

2,081,366
SHAVING IMPLEMENT
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application December 17, 1936, Serial No. 116,368
12 Claims. (Cl. 30—43)



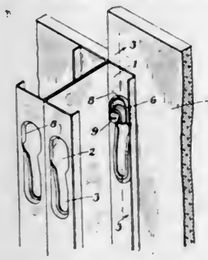
1. An implement of the class described having co-operating members both presenting radially disposed shearing edges and spherical guiding surfaces, and means for imparting a wobbling movement to one of said members to move its shearing edges progressively with respect to the shearing edges of the other member.

2,081,367
ELECTRICAL WEIGHING AND DISTRIBUTION SYSTEM
Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware
Application September 18, 1934, Serial No. 744,591
2 Claims. (Cl. 177—351)



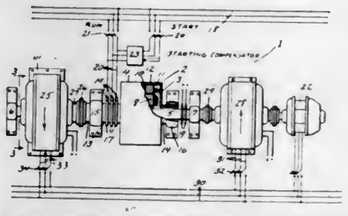
2. In a weighing device, the combination of a plurality of windings adapted to produce interlinked magnetic fields, means for passing a current of steady value through one of said windings, a magnetic core for both of said windings, said core being constructed so that any movement thereof is resisted by the field set up by said winding having said steady current flowing therethrough, a tuned circuit, the second of said windings forming a part thereof, and means connected to said tuned circuit for indicating the degree of tuning thereof.

2,081,368
WALL ASSEMBLY AND STUD
Armand V. Pretot, New Providence, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application July 11, 1935, Serial No. 30,787
8 Claims. (Cl. 72—115)



8. In combination, a wall assembly comprising a stud having a face thereof provided with a slot, a panel of facing material, a fastening device for holding the panel to the stud and including a member having a portion engaging the panel, a portion extending through the slot and an element engageable with the edge of the slot, and means for guiding said element from engagement with the edge of the slot and stopping it in disengaged position during removal of the panel from the stud.

2,081,369
FREQUENCY CONVERTER
Allen M. Rossman, Wilmette, Ill., assignor to Rossman Engineering Company, Chicago, Ill., a corporation of Illinois
Application April 22, 1935, Serial No. 17,600
12 Claims. (Cl. 172—281)



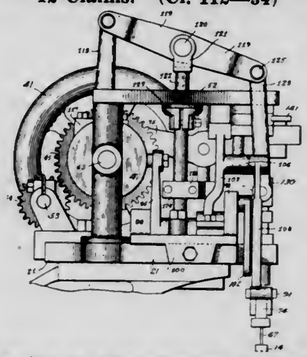
1. A frequency converter for interconnecting two electrical systems of different frequencies, said converter comprising a synchronous machine having a rotor member and a frame member, each of said members being mounted on bearings for independent rotation, a second synchronous machine coupled to said rotor member and a third synchronous machine coupled to said frame member, means for electrically connecting the first said machine to one of said systems, and means for electrically connecting the other two said machines to the other of said systems for operation in relatively opposite directions of rotation.

2,081,370
FABRIC
Horace A. Secrist, Walpole, Mass., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
Application January 22, 1936, Serial No. 60,220
10 Claims. (Cl. 139—391)



1. As an article of manufacture, a bulked open-mesh woven fabric composed principally of cotton with warp and weft threads, said warp threads being of substantially equal length, and having a construction of not to exceed 32 x 28 threads to the inch and composed of threads having a twist multiple of less than seven, and in which individual warp thread sections between weft threads are characterized by random looping or kinking and bending of individual threads whereby to provide a fluffy fabric.

2,081,371
WAX THREAD SEWING MACHINE
John J. Sheehan and William P. Egan, Lynn, Mass.
Application November 22, 1932, Serial No. 643,844
12 Claims. (Cl. 112—34)



1. A sewing machine having, in combination, a work support; a needle bar equipped with a needle and reciprocable toward and from said work support, and means for reciprocating said needle bar so as to cause it to dwell at the limit of its movement toward and from said work support for a predetermined length of time, said means comprising a walking beam whereof one arm is connected with said needle bar, a vertically movable support for the fulcrum of said walking beam, stops to limit the movement of said support in each direction independently of the work support, and driving mechanism connected with the other arm of said walking beam for vibrating the latter to cause it to alternately reciprocate said needle bar and said support.

2,081,372
LOOSE LEAF NOTEBOOK BINDER
James M. Thomas, Durant, Okla.
Application August 23, 1935, Serial No. 37,564
7 Claims. (Cl. 129—24)

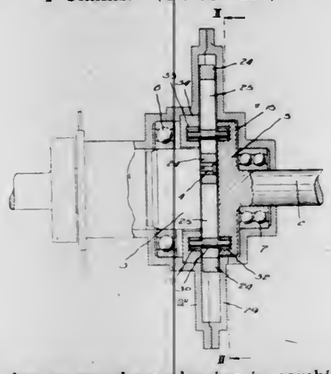
7. A loose leaf binder comprising a hollow housing having a slotted top, axially alined split rings protruding through the slots from inside of the housing, each ring consisting of two sections, a ring-carrying device capable of opera-

tion according to two motions, one motion turning the rings on their common axis to bring the splits near to the top, the other motion separating the ring sections, the lowest sections then being in position to receive new leaves and the



highest sections retaining the leaves already emplaced, and means inside of the housing holding the rings in assemblage on the ring-carrying device and responding to the aforesaid two motions for the purposes stated.

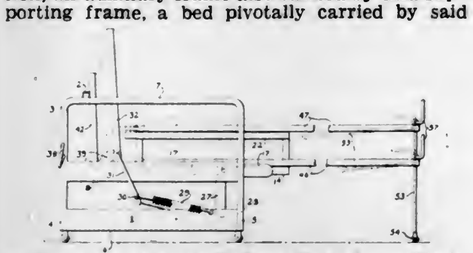
2,081,373
PROGRESSIVE AND AUTOMATIC CHANGE-SPEED MECHANISM
Jose Viscasillas, Barcelona, Spain, assignor of one-fourth to Joaquin De Robert and one-fourth to Amado Casajuana, both of Barcelona, Spain
Application October 12, 1935, Serial No. 44,782
In Spain October 17, 1934
4 Claims. (Cl. 74—117)



1. A change speed gear having in combination, a frame and mechanism mounted in said frame comprising a driving shaft provided on its end with a crank pin of varying eccentricity or radius, a driven shaft situated in axial alignment with the driving shaft and provided with a plate which remains in front of the crank pin of the driving shaft, a disk revolving freely on the crank pin of the driving shaft, the said disk receiving a circular displacement movement on the said crank pin turning, radial slots on the said disk, sliding pieces which can slide in the said radial slots and means cooperating with the said sliding pieces for driving the plate of the driven shaft with a speed proportional to the displacement of the said disk by the action of the said crank pin.

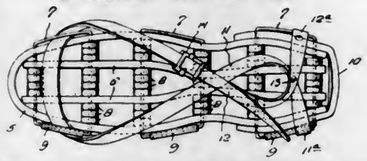
2,081,374
DUO-BED COUCH
Edward Spencer Hall and Marion A. Elliotte, Philadelphia, Pa.
Application January 30, 1935, Serial No. 4,034
8 Claims. (Cl. 5—8)

1. A device of the character described, comprising a supporting frame, a normally inclined back, a normally lowered seat both carried by said frame, means connecting said back and said seat, whereby they may be moved simultaneously into upwardly extending substantially parallel relation, an auxiliary frame also carried by said supporting frame, a bed pivotally carried by said



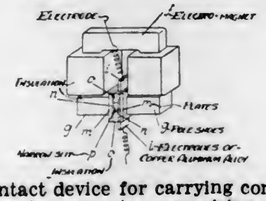
auxiliary frame normally beneath and movable in a plane parallel with the normal level of said seat, and connecting means whereby movement of said back and seat into substantial parallelism operates to elevate said auxiliary frame and said bed.

2,081,375
SANDAL
Robert G. Hartman and Stephen Garner White, Noblesville, Ind.
Application August 11, 1936, Serial No. 95,402
4 Claims. (Cl. 36—7.5)



1. A sandal of the character described including an outer sole member having heel and shank portions, and means to detachably secure said outer sole member against the sole of a shoe or the sole of the foot, said outer sole member comprising a frame composed of a strip of rubberized fabric arranged on edge and shaped to conform to the outline of a sole, a plurality of strips of rubberized fabric arranged longitudinally within said frame and spaced from each other at the sides of the frame, a plurality of U-shaped wire members passing through the sides of said frame and said longitudinal strips, and a plurality of washers arranged on the legs of said wire members between said strips and the sides of said frame to maintain them in spaced relation, the ends of said wire members being directed toward each other and connected together to secure the frame, strips and washers in assembled relation.

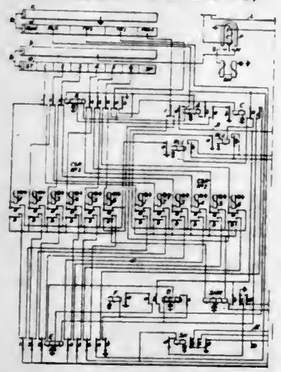
2,081,376
ELECTRODE ADAPTED TO BE IN CONTACT WITH MERCURY
Julius Frederik Georg Poul Hartmann, Copenhagen, Denmark
Application December 17, 1934, Serial No. 757,932
In Denmark December 23, 1933
5 Claims. (Cl. 200—152)



1. A contact device for carrying comparatively heavy electric currents, comprising a mercury

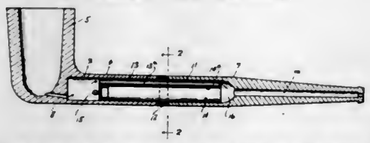
contact member and an electrode produced from a copper and aluminum alloy, said mercury contact member and electrode being in constant electric contact with each other.

2,081,377
DELETING SYSTEM
Raymond M. Hicks, Plainfield, N. J., and Charles S. Whitney, Brooklyn, N. Y., assignors to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application July 29, 1932, Serial No. 625,770
Renewed July 17, 1936
23 Claims. (Cl. 178—4)



1. The method of classifying information concerning items on a plurality of signal-controlled recorders which normally are operative to legibly record both the designation and characteristics of all items, which consists in selectively controlling said recorders to record the designation of all items and prevent recording of the characteristics concerning an item on any one or more of said plurality of recorders.

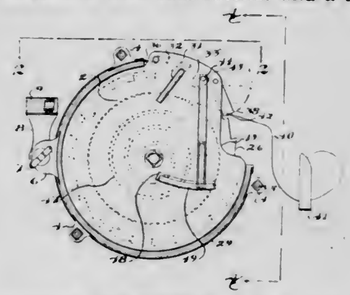
2,081,378
SMOKING PIPE
John C. Hogan, Charlotte, N. C.
Application February 6, 1936, Serial No. 62,682
2 Claims. (Cl. 131—12)



2. In a smoker's pipe, a bowl having a stem and a mouth piece having one end abutting and connected with one end of the stem, a chamber at the connected ends of the stem and mouthpiece, a segmental cylindrical tube having its end portions snugly fitted respectively within the stem and the mouthpiece, said end portions of the tube being spaced from the respective ends of the chamber, a plug removably fitted in the stem end of the tube to provide a saliva trap, and a smoke passage outwardly of the tube having communication with the ends of the chamber.

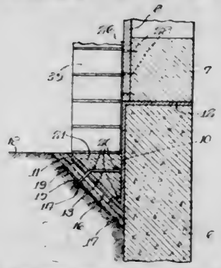
2,081,379
ANIMAL SNARING DEVICE
Marius Madsen, Winnipeg, Manitoba, Canada, assignor to Madsen Humane Trap Co. Limited, Toronto, Canada
Application October 22, 1934, Serial No. 749,346
5 Claims. (Cl. 43—87)

1. In an animal snaring device including a casing and a spring operated drum in the casing on which the draw string of a noose is to be wound, said drum including an annular ratchet, a trigger pivoted in the casing, said trigger including a nose engageable with said ratchet and a lateral



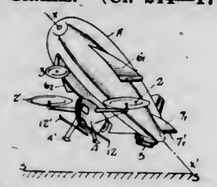
arm projecting transversely of the drum and through which the draw string may be passed whereby an actuation of the draw string may serve to disengage the nose of the trigger from the ratchet.

2,081,380
BRICK VENEERING STRUCTURE
Harry J. Nachreiner, Lombard, Ill.
Application September 16, 1936, Serial No. 101,020
6 Claims. (Cl. 72—0.5)



1. A brick veneering structure for walls and the like comprising a plurality of brackets each having an angular portion at one end adapted to be inserted at the top of the foundation, an intermediate portion to rest against the outside of the foundation, and an angular upwardly extending portion at the bottom, and a concrete supporting structure between the brackets and carried by the upwardly extending bracket portions at the outer side of the wall.

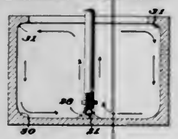
2,081,381
AERIAL NAVIGATION APPARATUS
Etienne Edmond Oehmichen, Valentigney, France
Application October 8, 1934, Serial No. 747,469
In France October 23, 1933
9 Claims. (Cl. 244—17)



1. An aerial navigation apparatus comprising a light wing envelope having the shape of a tapered body of great penetration and inflated with

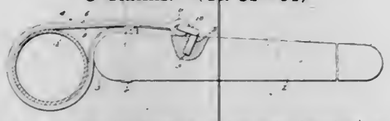
air; a chassis; means connecting the wing envelope to the chassis; sustaining and propelling means fixed to the chassis; lateral ailerons on the envelope which form an acute angle of incidence with a generally horizontal plane passing through the longitudinal axis of the envelope; lateral tail fin units on the envelope which form a smaller angle than the former; movable parts on the rear side of the ailerons and of the tail fin surfaces; the whole of the apparatus having a general centre of gravity under the centre of aerostatic pressure.

2,081,382
SEWAGE AERATION
William M. Piatt, Durham, N. C.
Application November 21, 1933, Serial No. 699,079
4 Claims. (Cl. 210—8)



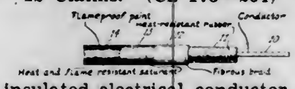
1. In a sewage treatment tank, means for admitting air under pressure to the sewage comprising a chamber containing air under pressure and a plurality of vertically disposed porous air inletting plates in communication with the chamber, the plates being arranged at substantially the same depth below the sewage level and of substantially uniform porosity and of a structure analogous to a mass of capillary tubes taking a tortuous rather than a direct path through the plates so that there will be automatically substantially equal air distribution through all the plates.

2,081,383
PIPE WRENCH
Nelson Rector, Clintonville, Wis.
Application August 7, 1935, Serial No. 35,189
Renewed April 22, 1936
3 Claims. (Cl. 81—64)



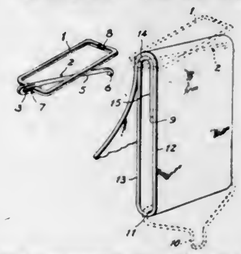
2. A wrench including a handle having a plurality of longitudinally spaced sockets therein, a flexible strap permanently secured to the forward end portion of the handle, and a pin carried at the free end of the said strap and engageable selectively in the handle sockets for adjustably anchoring the free end of the strap to the handle.

2,081,384
INSULATED ELECTRICAL CONDUCTOR
Rudolph A. Schatzel, Rome, N. Y., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application December 23, 1931, Serial No. 582,702
12 Claims. (Cl. 173—264)



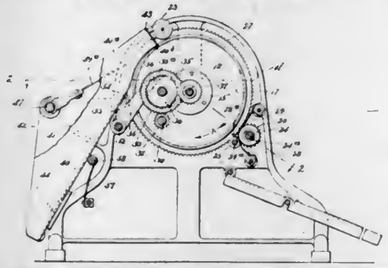
1. An insulated electrical conductor comprising in combination a tinned copper conductor, a vulcanized rubber covering containing tetramethyl-thiuram disulphide and no free sulphur immediately surrounding said tinned conductor, an overlying close cotton braid saturated with a stearin pitch compound, and a finish coating of flameproof paint over the saturated braid.

2,081,385
GARMENT SLIDE
William Bligh Shaw, Edmonton, Alberta, Canada, assignor to The Locbar Buckle Company, Limited, Halifax, Nova Scotia, Canada, a corporation of Nova Scotia
Application August 29, 1936, Serial No. 98,587
In Canada August 19, 1936
4 Claims. (Cl. 24—200)



1. A slide comprising a frame, a cross bar connected at one end to the frame, said cross bar being slidable longitudinally of itself with respect to the frame and being at least partially rotatable in a plane perpendicular to that of the frame, and means at the other end of the cross bar for detachably holding such end in position on the frame.

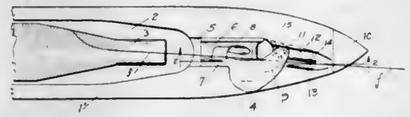
2,081,386
SHEET FEEDING DEVICE FOR DUPLICATORS
Frederick W. Storck, Arlington, Mass., assignor to Standard Mailing Machines Company, Everett, Mass., a corporation of Massachusetts
Application August 28, 1936, Serial No. 98,317
8 Claims. (Cl. 101—132)



1. In a duplicator, a frame, an impression drum rotatably mounted in said frame with means for rotating said drum with a dwell period in its cycle of rotation, a duplicating band carried by said drum, and a pressure roller coacting with said drum and band, a movable tray for supporting sheets of paper to be duplicated upon with a portion of the lowermost of said sheets unsupported, together with means for moving said tray in synchronism with the dwell period of said drum and band and whereby said band engages with the unsupported portion for separating the lowermost sheet from the remaining sheets with an advance end portion of said engaged sheet free from contact with said band.

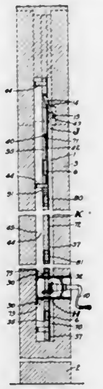
2,081,387
LOOM SHUTTLE
William A. Tebo, Anthony, R. I., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application May 1, 1936, Serial No. 77,391
8 Claims. (Cl. 139—223)

1. An automatically threading loom shuttle comprising a shuttle body containing a filling carrier in a cavity therein, a threading block having a longitudinally extending thread passage communicating with said cavity, said threading block being provided with a horn projecting outwardly and rearwardly across said thread passage and terminating in a longitudinal channel formed in said shuttle body, there being a slot formed in said shuttle body in continuation of said thread passage and extending outwardly beyond said horn in position to receive the running



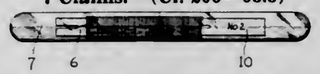
filling during the first pick after transfer, said slot being separated from said channel by a thread engaging wall positioned forwardly of the rearward end of said horn, and a guide at the inner end of said channel below said horn, said guide having a top surface which inclines forwardly and outwardly from the rear of said thread passage to a point above and in front of said wall to thereby guide the running filling forwardly over the top of said wall into the slot.

2,081,388
SASH OPERATING MECHANISM
Edwin W. Terhune, Bethel, Conn.
Application January 12, 1933, Serial No. 651,376
2 Claims. (Cl. 268—24)



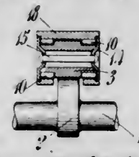
1. In combination, means for operating pivoted sash comprising a substantially vertical power transmitting rod and gearing for imparting lineal movement thereto, concealing mechanism for said gearing comprising a metallic casing substantially rectangular in shape and having a removable cover plate, a bearing support removably attached inside of said casing, for part of said gearing, concealing mechanism for said rod comprising a channel shaped metallic member and a removable cover for said member, a shaft to be operated by said rod, a yoke connected to said rod, links operatively connecting said yoke with said shaft to be operated, slots in said channel shaped member engageable by said yoke to permit working movement thereof, and a bearing support for said shaft to be operated, adapted for attachment either to said removable cover for said channel shaped member, or to the back face of said channel shaped member.

2,081,389
LIGATURE PACKAGE
Edward Themak, New York, N. Y., assignor to Geck Laboratories, Inc., New York, N. Y., a corporation of New York
Application January 5, 1935, Serial No. 535
7 Claims. (Cl. 206—63.3)



1. A ligature package comprising a hermetically sealed vial and enclosed therein a surgical gut ligature with a holder on which said ligature is wound comprising a long narrow thin flat strip, the gut ligature forming a helical coil circular in cross section about said holder, said holder having means for engaging the ends of the ligature to prevent accidental unwinding of the coil.

2,081,390
CAM FOLLOWER
George Joseph Trapp, Merton Park, England, assignor to Automotive Products Company Limited, London, England
Application February 17, 1936, Serial No. 64,377
In Great Britain October 31, 1934
3 Claims. (Cl. 74—569)

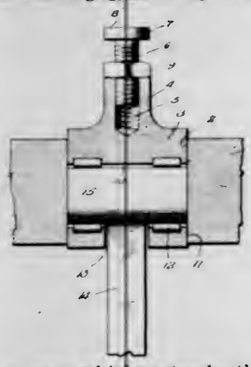


1. A cam follower mechanism comprising a guide, a block-like housing mounted for rectilinear reciprocating movement within said guide, a bore in said housing having its axis at right angles to the direction of said movement, a roll of shorter axial length than the bore and disposed completely therewithin, a pair of circumferential tracks around the end portions of the roll, said tracks being smaller in diameter than that part of the roll therebetween, a row of bearing rollers engaging between each of said tracks and the interior of the bore in the housing, a flange upon each end of the roll for preventing endwise displacement of the rollers, that part of the housing between the two rows of rollers being cut away for permitting the roll to engage with a cam, and the reciprocating movement of the housing being limited so that the axis of the roll is at all times within the guide.

2,081,391
CAM FOLLOWER
George Joseph Trapp, Merton Park, London, England, assignor to Automotive Products Company Limited, London, England
Original application February 17, 1936, Serial No. 64,377. Divided and this application January 21, 1937, Serial No. 121,646. In Great Britain October 31, 1934
1 Claim. (Cl. 74—569)

In a cam follower, a guide having an opening, a rectangular block vertically slidable in the opening and having a laterally disposed cylindrical opening extending throughout its length, a bearing race formed in the second mentioned opening near each end thereof, roller bearings arranged in a circumferential series in each of the bearing races, said block being formed with a slot at its lower side medially of its length and a sleeve and a bolt at its upper

side, and a roller mounted rotatably within the rectangular block in the second mentioned opening and having its opposite end portions journaled by the bearings, said roller being of uniform diameter throughout its length and being adapted for engagement by the operating



surface of a cam which extends through the slot whereby a roller connection between the cam and the block, with consequent lack of wear, will be provided, said bolt providing means for engagement with a push rod for actuating said push rod as the block moves within the guide.

2,081,392

DENTURE

Enrique G. Touceda, Albany, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York

No Drawing. Application August 8, 1934, Serial No. 738,935

4 Claims. (Cl. 32—2)

1. A denture formed of an alloy of cobalt and chromium containing 1 part of chromium to 2.2 to 2.4 parts of cobalt.

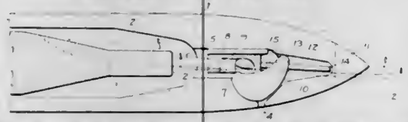
2,081,393

LOOM SHUTTLE

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application July 1, 1936, Serial No. 88,438

1 Claim. (Cl. 139—223)



An automatically threading loom shuttle comprising a shuttle body having a cavity therein for reception of a filling carrier, a threading block fixed in a recess in said shuttle body, said threading block having a longitudinal thread passage and a horn which projects from the front of the threading block outwardly and rearwardly above said thread passage to a point substantially in alignment with the rearward side of the latter, the rearward end of said horn being turned downwardly into a longitudinal groove formed in said shuttle body, said groove extending outwardly from said recess substantially in alignment with said thread passage, and a guard member positioned entirely in said groove and recess, said member being comprised of a strip of metal bent into oppositely projecting loops one of which is fixed in said groove at a point outwardly from said horn and the other of which projects inwardly beneath said horn into said recess, said loops being positioned in front of and extending above said down-turned end of said horn, for the purpose described.

2,081,394

WELD ROD

Anthony G. de Golyer, New York, N. Y., assignor to Vulcan Alloys Corporation, a corporation of Delaware

No Drawing. Application October 14, 1936, Serial No. 105,515

1 Claim. (Cl. 219—8)

A weld rod comprising a metallic composition containing molybdenum 7% to 17%, tungsten 5% to 15%, chromium 3% to 9%, cobalt 3% to 10%, boron 0.75% to 2.25%, carbon 0.20% to 1%, manganese 0.30% to 5%, and the remainder substantially iron.

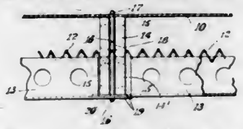
2,081,395

ELECTRIC CHICKEN BROODER

Kenneth W. Du Bois, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application May 14, 1936, Serial No. 79,683

4 Claims. (Cl. 219—19)



1. In an electrical heater for a brooder of the type having a hover, a resistance heating wire, a support for said wire including spaced pairs of opposed insulating members each of which has a groove in one face thereof, said grooves of each pair being positioned adjacent each other with the wire passing through and supported within the space formed by said grooves in each of the spaced pairs, a shield for said wire partially surrounding said supporting members and said wire, and including a plurality of channel-shaped perforate metal members overlapping each other at their ends, said overlapping portions having elongated slots therein, and means passing through and occupying only a portion of said slots for holding said shield members, supporting members and wire together and against the hover.

2,081,396

SLIDE FASTENER

Didrick Dyresen, Billerica, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Original application July 21, 1934, Serial No. 736,368. Divided and this application March 20, 1935, Serial No. 12,025

2 Claims. (Cl. 24—205)



1. A sheet metal slider for multiple fasteners having a body formed from a single piece of metal and having spaced top and bottom plates, a hollow stiffening rib providing the sole means joining said plates together in predetermined spaced relationship, the cross-sectional depth of the hollow

of said rib at its greatest point being substantially greater than the thickness of the material of said rib adjacent said hollow, and a pair of ears integral with said rib and extending into the space between said plates to form diverging channels.

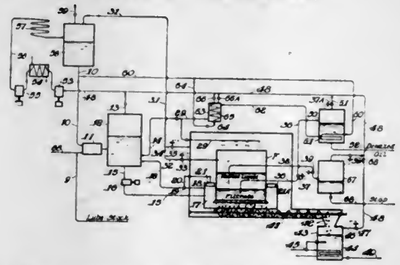
2,081,397

METHOD OF OPERATING A CONTINUOUS FILTER SYSTEM

Roy N. Giles, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application March 1, 1934, Serial No. 713,484

8 Claims. (Cl. 196—19)



1. The method of separating wax from oil which comprises chilling a mixture of waxy oil and propane to solidify the wax and form a filterable oil-wax slurry diluted with propane, introducing said slurry to the feed bowl of a continuous filter, maintaining the pressure on the filtrate side of the continuous filter higher than the vapor pressure of the filtrate, continuously removing wax from the filter, heating and melting the wax at a point remote from said filter whereby diluent is vaporized, passing said diluent vapors countercurrent to said wax leaving the filter whereby the wax is warmed and the diluent is cooled, and returning said cooled diluent to said filter in contact with wax which is being removed.

5. The method of dewaxing mineral oils in a system employing a continuous filter containing a rotary partially immersed filter element, which method comprises chilling a solution of wax-bearing oil in propane to solidify the wax in filterable form and to make a cold slurry thereof in the propane-oil solution, introducing said cold slurry into said filter, simultaneously introducing propane gas as a pressuring fluid, whereby propane serves both as a diluent and pressuring gas, and whereby the condensation of portions of the propane provides wash liquid on the non-immersed portion of the filter element.

2,081,398

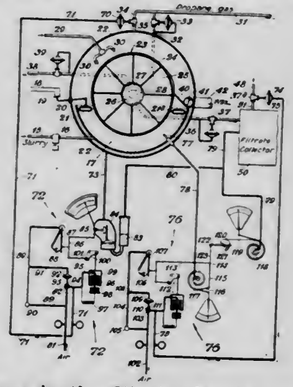
METHOD OF OPERATING A CONTINUOUS FILTER SYSTEM

Roy N. Giles, Highland, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application March 14, 1936, Serial No. 68,850

16 Claims. (Cl. 210—199)

1. A control system for a propane dewaxing filter which comprises a filter shell, a filter element in said shell forming a shell chamber between said element and said shell, and a filtrate chamber inside of said element, a valve for controlling the introduction of propane into said shell chamber, automatic means for operating said valve in accordance with pressure differential between said shell chamber and said filtrate chamber, a valve for releasing propane vapors from said filtrate chamber, and means connected with said propane releasing valve for controlling



the pressure in the filtrate chamber in accordance with the temperature of the slurry undergoing filtration.

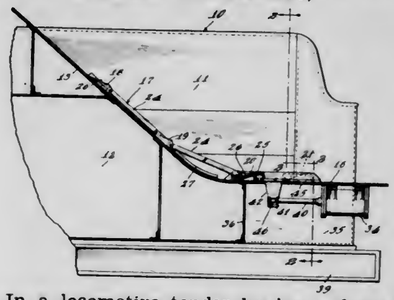
2,081,399

LOCOMOTIVE TENDER

Francis Hogg, Wesleyville, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware

Application December 27, 1932, Serial No. 648,837

9 Claims. (Cl. 105—233)



2. In a locomotive tender having a frame, a water compartment and a fuel bin provided with a conventional substantially horizontal floor and a rear slope sheet, a coal pusher mounted in said bin, said pusher having one section mounted to reciprocate over the surface of said rear slope sheet and a section mounted to reciprocate over said conventional floor, a forwardly opening water tight compartment at the forward end of the tender extending vertically from the tender frame to the said conventional floor, power means in said compartment for operating said coal pusher, means connecting said power means to said last named coal pusher section and means flexibly connecting said last named coal pusher section and said first named coal pusher section whereby movement of said last named section is communicated to said first named section.

2,081,400

LAUNDRYPROOF SNAP FASTENER

Walter I. Jones, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application June 1, 1936, Serial No. 82,903

10 Claims. (Cl. 24—216)

1. A socket member for a separable snap fastener including a cup-shaped attaching part hav-

ing an open end, a casing having a front wall provided with a stud-receiving aperture, a spring contained within said casing and said attaching part, the peripheral free edges of said casing in clinched engagement with the outer surface of



said attaching part, and the front wall of said casing being of bowed cross-section for cooperating with said attaching part to prevent crushing of said casing when subject to abnormal pressure.

2,081,401

PREPARATION OF FERTILIZER

Walter H. Kniskern, Prince George County, Va., and Charles K. Lawrence, Syracuse, N. Y., assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York

No Drawing. Application August 9, 1932, Serial No. 628,061

1 Claim. (Cl. 71—43)

A process for producing a fertilizer which comprises treating a superphosphate material with a solution of about 34.5 parts of ammonium chloride in about 80.5 parts of 50% aqua ammonia, said solution being added to the superphosphate material in the proportions of about 115 parts of the solution to about 890 parts of superphosphate.

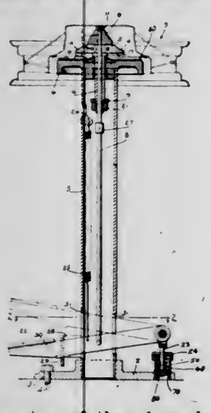
2,081,402

TIRE CHANGING STAND

James R. Krema, Faribault, Minn.

Application July 17, 1935, Serial No. 31,874

6 Claims. (Cl. 144—288)



1. In an apparatus of the class described, an upright post having a supporting plate at its upper end adapted to support a wheel, a plurality of dogs normally supported in inoperative position, an operating member for the dogs, means yieldably mounted on said plate and positioned to be engaged by the dogs to move them into operative positions, upon initial movement of the operating member, and whereby said dogs will grip and secure the wheel to the supporting plate, on continued movement of the operating member, said yieldably mounted means also providing a guide for the upper end of the operating member.

2,081,403

PROCESS OF DEWAXING LIQUID HYDROCARBONS

Hans Olof Lindgren, Appelviken, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 26, 1935, Serial No. 18,453. In Sweden May 26, 1934

10 Claims. (Cl. 196—19)

9. In the process of treating wax-bearing oil to separate wax therefrom wherein the oil is chilled to precipitate the wax constituent and wherein is added, usually before chilling, a diluting agent which affects the relative specific gravities of the two constituents and wherein the constituents are then centrifugally separated; the improvement, particularly applicable to mixtures in which the wax constituent is precipitated as a gelatinous agglomerate, which comprises adding two diluting agents, both normally liquid, of specific gravities respectively substantially higher and substantially lower than the specific gravity of the wax, one of which diluting agents is added to the oil before chilling and precipitation and the other of which is added after chilling and precipitation and within so short a time prior to centrifugation that it dissolves mainly in the constituent not precipitated, whereby a pronounced difference in the specific gravities of the two constituents is maintained during centrifugation.

2,081,404

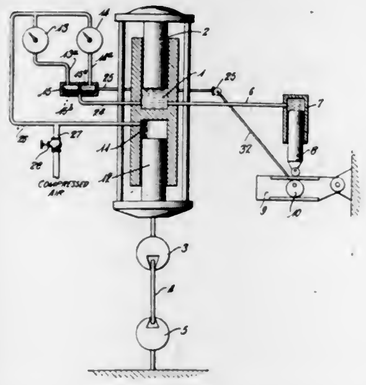
PROCESS AND APPARATUS FOR APPLYING ALTERNATING POSITIVE AND NEGATIVE LOADS

Wilhelm Marx, Dusseldorf, Germany, assignor to Losenhausenwerk, Dusseldorf-Grafenberg, Germany

Application June 20, 1935, Serial No. 27,547

In Germany February 12, 1931

12 Claims. (Cl. 265—14)



1. The method of testing materials, which comprises stressing the material with a definite static initial stress and intermittently relieving the material of the static stress and stressing the material oppositely by opposing to the static stress a greater pulsating stress directed oppositely to the static stress, thereby subjecting the material to a periodically changing net stress constantly equal to the varying difference between said stresses.

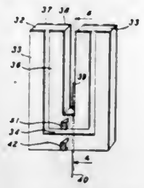
2,081,405

WAVE FILTER

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 27, 1935, Serial No. 33,511

13 Claims. (Cl. 178—44)



1. A wave filter comprising as a reactance element a piezoelectric crystal in the form of a tuning fork having two prongs connected by a butt part, each of two opposite faces of said crystal having an electrode extending along the outer edges of said prongs and along said butt, and a second electrode of opposite polarity extending along the inner edges of said prongs, and said electrodes being connected into the filter circuit in such a way that the applied electrical stresses cause the outside parts of said prongs alternately to expand and contract and the inner parts of said prongs alternately to contract and expand.

2,081,406

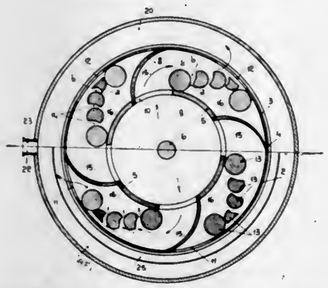
METHOD FOR CONCENTRATING AND SEPARATING THE COMPONENTS OF GASEOUS MIXTURES

Edoardo Mazza, Turin, Italy

Application April 28, 1934, Serial No. 722,997

In Italy May 5, 1933

1 Claim. (Cl. 183—115)



The method of concentrating and separating the constituents of a gaseous mixture consisting in dividing a gaseous stream into a plurality of generally segmental gaseous masses, rotating said masses about a common vertical axis thereby forming strata of progressively increasing specific gravity from the axis of rotation, withdrawing portions of the lighter constituents in a centripetal direction from each of said segmental gaseous masses along a plurality of restricted circumferentially spaced and substantially radial paths, progressively more remote from the axis of rotation and separately withdrawing heavier constituents from the lower portion and lighter constituents from the upper portion of each of the masses whereby centrifugal force, gravity and the difference in the molecular velocities of the constituents are utilized to concentrate the mixture into fractions enriched in lighter and heavier constituents.

2,081,407

DRIER

Arthur Minich, Newark, N. J., assignor to Nuodex Products Co., Inc., a corporation of New York

No Drawing. Application April 30, 1936, Serial No. 77,147

11 Claims. (Cl. 134—57)

1. A drier comprising a water-insoluble soap of a drying metal and an organic alcohol derivative stabilizer selected from the group which consists of triethyl citrate, tributyl citrate and cyclohexyl-paratoluene-sulfanamid.

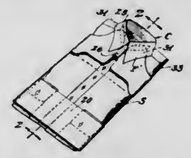
2,081,408

SHIRT FORM PROTECTOR

Samuel Reich, New York, N. Y.

Application January 4, 1936, Serial No. 57,459

4 Claims. (Cl. 229—87)



1. A shirt protector including front and back portions, the front portion including a panel, the upper edge of the panel being cut to form a pair of lobes adapted to be disposed between the folds of the collar of a shirt, the lower edge of the panel being formed with laterally extending wings connected to the panel by a bendable tongue, said tongue adapted to dispose the laterally extending wings between the folds of the collar whereby said collar portion of the shirt will be supported in a raised position.

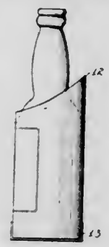
2,081,409

BEVERAGE BOTTLE SHIELD AND GRIPPING DEVICE

Francis M. Rush, Des Moines, Iowa

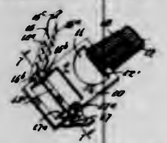
Application May 13, 1935, Serial No. 21,194

1 Claim. (Cl. 215—100)



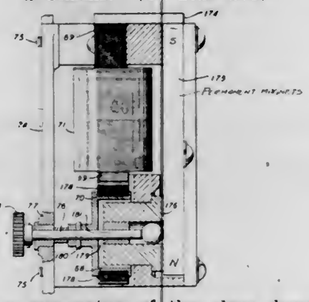
A beverage bottle shield and gripping device comprising a body portion formed of flexible material substantially cylindrical in form open at both ends and having longitudinal folds at diametrically opposite sides whereby it may be folded to position with one-half of the body portion lying flat against the other half and a bottom member formed of a strip of flexible material united at its ends to opposite sides of the body member at points midway between said folds in the body, said bottom member being formed with a fold at its transverse central portion and being spaced apart and disconnected from the body portion at its side edges, for the purposes stated.

2,081,410
FASTENER FOR SANITARY NAPKINS AND THE LIKE
Ludwig Stark, North Bergen, N. J.
Application May 20, 1936, Serial No. 80,698
7 Claims. (Cl. 24—73)



1. A fastener for sanitary napkins and the like, comprising a flat body having an opening for a supporting element and a pair of adjacent openings separated by a transverse removable bar element adapted to engage recesses in the sides of said body to prevent said member from moving laterally, a gripper member hingedly mounted on one side of said body and extendible over said bar element, and a latch element mounted on the other side of said body and coactable with said gripper member, said removable element allowing different sized napkins to be used.

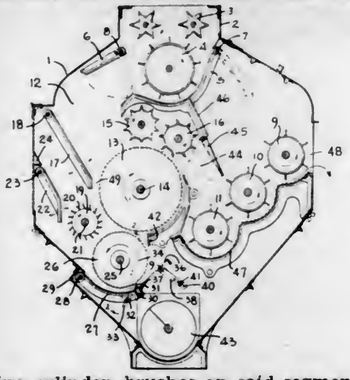
2,081,411
SYNCHRONOUS MOTOR
Hugh M. Stoller, Mountain Lakes, N. J., and Edmund R. Morton, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application July 21, 1933, Serial No. 681,460. Divided and this application September 21, 1935, Serial No. 41,518
2 Claims. (Cl. 172—275)



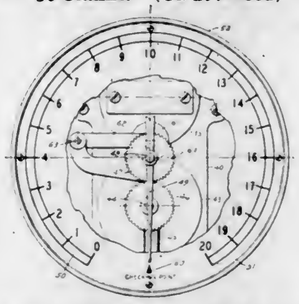
1. In an apparatus of the class described a synchronous motor comprising a set of permanent magnets, pole-pieces connected to said magnets, energizing coils on said pole-pieces to vary the magnetic flux, a rotor operating between said pole-pieces and a plug member attached to ends of said permanent magnets and projecting within said rotor said plug member forming part of a magnetic circuit for the motor.

2,081,412
COMBINATION HULLER AND FEEDER
John A. Streun, Sherman, Tex., assignor to Hardwicke-Etter Company, Sherman, Tex., a corporation
Application January 31, 1935, Serial No. 4,276
7 Claims. (Cl. 19—37)

1. A cotton huller including a housing, a saw cylinder rotatable therein, means to feed seed cotton to the upwardly moving side of said cylinder, a hull board to direct said cotton to a point closely adjacent said cylinder, a knocker roll below said board, a reclaiming cylinder closely adjacent said saw cylinder below the level of said knocker roll, said saw cylinder acting to strip lint from said reclaiming cylinder, a resiliently mounted segment below said reclaiming cylinder, brushes on said segment, said segment being mounted to yield away from said reclaiming cylinder and allow passage of large hulls, and means to remove lint from said saw cylinder.



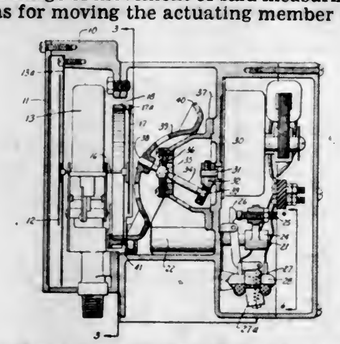
2,081,413
METHOD OF AND MEANS FOR EFFECTING REMOTE INDICATIONS
Franklin R. Thompson, Stamford, Conn., assignor to Electric Indicator Corporation, Stamford, Conn., a corporation of Connecticut
Application March 30, 1933, Serial No. 663,453
36 Claims. (Cl. 177—351)



1. The method herein described, which consists in transmitting from a transmitting station to a receiving station repeated cycles of impulses in which each cycle has at least one impulse and with said impulse spaced from any arbitrarily selected point in said cycle which may be selected as the beginning of the cycle, dependent on the then quantity of a variable quantity to be transmitted, moving an indicator at a predetermined speed at the receiving station and with reference to some point in predetermined relation to the transmitting cycles, and momentarily halting the travel of said indicator in each transmitting cycle in response to the impulse received from the transmitting station.

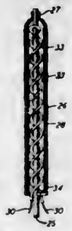
2,081,414
TELEMETRIC TRANSMITTER
Franklin R. Thompson, Stamford, Conn.
Application November 30, 1934, Serial No. 755,429
15 Claims. (Cl. 177—351)

1. In a device of the class described, a measuring hand movable in a measuring path, a signalling member mounted so that a portion thereof is always opposite said measuring hand, a signal actuating member adapted to move over the entire range of movement of said measuring hand, means for moving the actuating member over the



said entire range, and means mounting said actuating member and signalling member whereby said actuating member actuates the signalling member through the intermediary of the measuring hand when it reaches the position of the measuring hand.

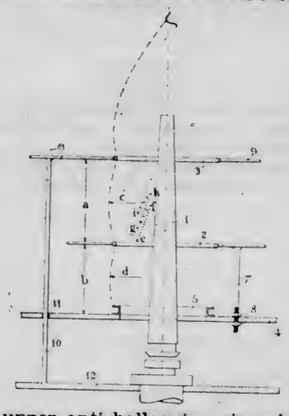
2,081,415
ELECTRON EMITTER
Edmund A. Veazie, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 5, 1934, Serial No. 742,707
2 Claims. (Cl. 250—27.5)



1. An electron emitter for electron discharge devices, comprising a metallic support, a metallic shell encompassing said support and adapted to emit electrons when heated, a heater element within said shell and encompassing said support, said support being secured to said shell at one end thereof and serving as a leading-in conductor therefor, and an electrical conductor of small area and low heat conductivity connecting the other end of said shell to said support, said conductor being within said shell.

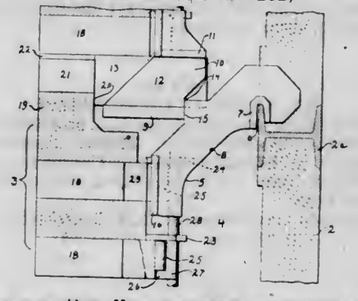
2,081,416
DEVICE FOR PREVENTING BALLOONING IN SPINNING
Jean Charles Albert Vicq, Paris, France, assignor to Société Anonyme Francaise du "Ferodo", Paris, France
Application May 27, 1936, Serial No. 82,007
In France June 7, 1935
3 Claims. (Cl. 118—11)

1. In a spinning machine, having vertical spindles rotating at a high speed on a stationary spindle-carrying beam and on which a thread winds, the combination of a vertically movable ring-rail, means for raising and lowering said ring-rail, a traveller-ring concentric to the corresponding spindle and mounted on said ring-rail, a lower anti-ballooning ring connected to said ring-rail and arranged at a certain distance above said ring-rail, upper anti-ballooning rings arranged above said lower anti-ballooning ring and having the same diameter as said lower anti-ballooning



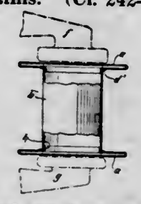
ring, said upper anti-ballooning rings being arranged for free vertical movement, to be raised by said lower anti-ballooning ring and to fall back under the action of the gravity.

2,081,417
FURNACE WALL CONSTRUCTION
Philip Washington Antill, Ridgefield Park, N. J., assignor to American Arch Company, New York, N. Y., a corporation of Delaware
Application July 17, 1933, Serial No. 680,716
20 Claims. (Cl. 72—101)



2. For a sectionally-supported multi-block wall, a metallic hanger member comprising a vertically elongated main body portion, means adjacent the upper end thereof formed to hangingly engage a support, and means adjacent the lower end thereof formed to provide a laterally open recess for embracingly engaging a wall block.

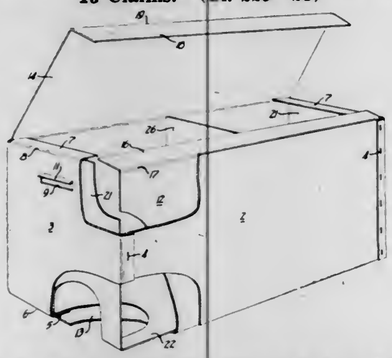
2,081,418
SPOOL
George D. Atwood, Brooklyn, N. Y.
Application July 3, 1934, Serial No. 733,561
2 Claims. (Cl. 242—123)



1. A sheet metal spool comprising a barrel on which material is to be wound, and spool flanges

welded at their inner faces to the ends of the barrel and provided with a plurality of struck-up projections extending inwardly beyond the inner faces of the flanges and radially from and welded to the sides of the barrel.

2,081,419
CARTON
James C. Benschoter, Stockton, Calif., assignor to Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware
Application September 10, 1935, Serial No. 39,915
13 Claims. (Cl. 229—23)



9. A carton comprising three members folded to form wall panels and nested together, two of the members being rectangular strips and the other member being a closed ring, and stub flanges on the ring member for interlocking the assembled strip members.

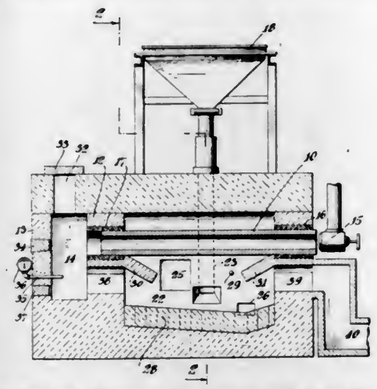
2,081,420
ELECTRICAL CONDUCTOR
Edgar D. Bent, Montreal, Quebec, and William H. Eastlake, Mount Royal, Quebec, Canada, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1934, Serial No. 752,822
8 Claims. (Cl. 173—264)



2. As a new article of manufacture, an electrical conductor comprising a metallic conductive core, a cover thereon of wool fibres treated with glycerol and impregnated with moisture proof material, a layer of fire proofing material over the impregnated wool cover, and a sheath of asbestos fibres thereover.

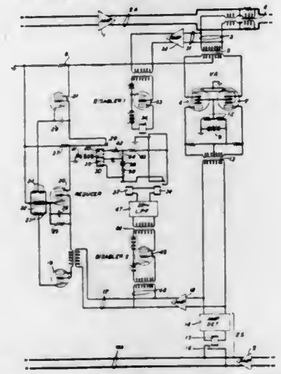
2,081,421
FURNACE
Jesse O. Betterton, Metuchen, and Melville F. Perkins, Woodbridge, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application August 14, 1934, Serial No. 739,720
13 Claims. (Cl. 263—43)

1. In a furnace, a main chamber, fire tubes positioned in the upper portion of said chamber, said fire tubes interconnecting burners and a second chamber, an inlet port connecting said main and second chamber, an outlet port connecting said main chamber with a suitable flue system and baffles so positioned with respect to said inlet and outlet ports, that gases passed through said port impinge upon the hearth of said main chamber.



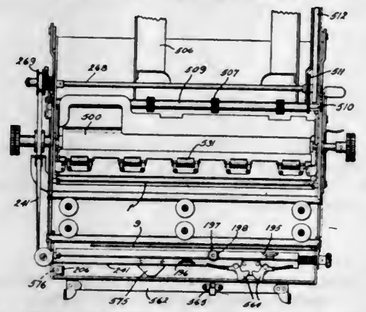
12. In the furnace treatment of volatile compounds, the improvement which comprises heating the charge predominantly with radiant heat by fuel burned out of contact with the charge and recirculating the combustion gases back over the charge in such manner that they impinge thereon thereby rapidly volatilizing the charge.

2,081,422
TRANSMISSION CONTROL IN SIGNALING SYSTEMS
Bjorn G. Bjornson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 29, 1936, Serial No. 66,442
5 Claims. (Cl. 179—78)



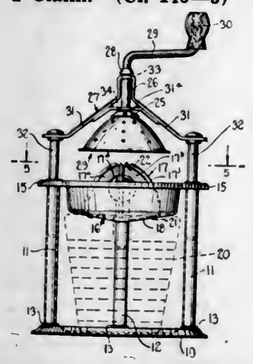
1. In combination, a source of alternating current, signal waves of a syllabic character similar to speech and subject to interfering noise waves, a wave responsive device, a circuit connecting said device to said source, and means for improving the operation of said device on said signal waves while preventing its operation by the noise waves, comprising one control means automatically operating to reduce the gain of said circuit slowly when the amplitude level of the received waves increases and to increase the gain of said circuit quickly when the amplitude level of the received waves is reduced, and means making said one control means ineffective to change the gain of said circuit when said signal waves are received thereby from said source including a second control means also supplied with waves from said source, said second device being unresponsive to applied noise waves but operatively responsive to the applied signal waves of low as well as high amplitudes to disable the gain changing means.

2,081,423
LISTING ADDING MACHINE
Loring Pickering Crosman, Maplewood, N. J., assignor to Gardner Company, Orange, N. J., a corporation of Delaware
Application June 19, 1936, Serial No. 86,072
3 Claims. (Cl. 197—127)



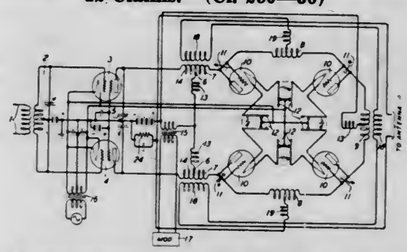
2. In a listing adding machine having a transversely shiftable platen carriage and printing operation means; normally inactive paper ejection means including elements settable into position for actuation by said printing operation means, and means operable as the carriage shifts into and also as it shifts out of its extreme left-hand position to set said elements into active position.

2,081,424
FRUIT JUICE EXTRACTOR
Charles Daum, Forest Hills, N. Y.
Application October 27, 1933, Serial No. 695,474
1 Claim. (Cl. 146—3)



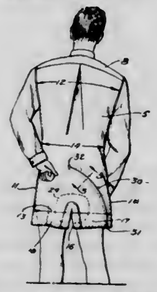
A reamer for fruit juice extractors, comprising a plurality of radially disposed sheet metal blades, the outer vertical cutting edge portion of each blade being of arcuate formation and bent laterally, the laterally disposed edge portions of all of the blades being directed in the same direction, the top of each blade being cut away to form an arcuate cutting edge that is disposed in angular relation to the vertical cutting edge portion.

2,081,425
HIGH-FREQUENCY TRANSMISSION SYSTEM
Clifford E. Fay, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 16, 1935, Serial No. 50,084
12 Claims. (Cl. 250—36)



1. A transmission system comprising in combination, a source of waves of given control frequency, a controlled oscillator adapted to independently generate a wave of approximately the control frequency, and means connecting said oscillator to said source, whereby the control wave coerces the oscillator to generate a controlled wave whose frequency is commensurable with that of the control wave, said oscillator comprising a plurality of unit three electrode vacuum tube oscillators connected so that their inter-electrode capacitances are in series and impedance means serially connecting the cathodes of each consecutive pair of said unit oscillator tubes and having a large impedance with respect to current of the characteristic oscillator frequency whereby said cathodes are effectively independent with respect to said current except as connected through the tubes.

2,081,426
GARMENT CONSTRUCTION
Guilford L. Fields, Norristown, Pa.
Application May 21, 1935, Serial No. 22,510
Renewed August 12, 1936
2 Claims. (Cl. 2—77)



2. A combination garment having waist, trunk and leg portions, said leg portions being united to form a permanently closed crotch, said garment having an optionally closed curvilinear rear opening extending from a point in substantially the middle of the back below the waist line and well above the crotch level laterally and downwardly to the bottom of one leg, at a side thereof, the cloth of said garment being relatively limp and being reinforced along the edges of said curvilinear opening, an interlocking scoop type slide fastener having tapes secured to said reinforced edges, one on each side of said rear opening, and means for shielding the person of the wearer from contact by the fastener and for

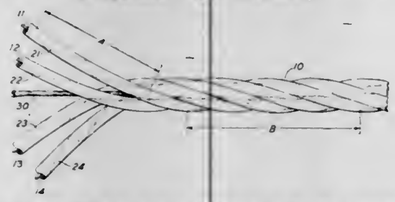
stiffening and defining the line of the curvilinear opening comprising a fabric shielding strip on at least one side of said curvilinear opening and stitched to said tape on the inside thereof, and to said reinforced edge and underlying the inside surface of the metal of the fastener.

2,081,427

ELECTRIC COMMUNICATION CABLE

Neal V. Firth, Roselle, and Arthur G. Hall, Cranford, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 16, 1935, Serial No. 6,770
6 Claims. (Cl. 173—81)



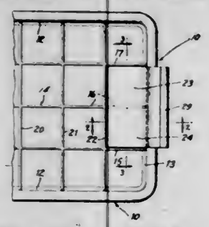
1. A signaling cable comprising a group of mass insulated conductors constituting a plurality of parallel pairs and forming a spiraled layer in a strand and in which the conductors of one pair alternate with the conductors of another pair within said layer, characterized in this that each conductor is placed to present different aspects to the adjacent conductors along the length of the cable to reduce cross-talk between the said pairs due to asymmetry of the properties of each conductor along its length.

2,081,428

FREEZING TRAY

Bertram B. Geyer, Greenwich, Conn.

Application March 10, 1936, Serial No. 68,001
6 Claims. (Cl. 62—108.5)



1. In a freezing tray adapted to be inserted within the freezing compartment of a refrigerator, the combination of a non-rigid grid arranged to divide the space within the tray into a plurality of separate compartments, and a separable block of compressible material in said tray adapted to occupy one of the compartments thus defined, said block being arranged to be withdrawn after the solidification of the contents of the tray to expedite access to the grid and the solidified contents of the tray.

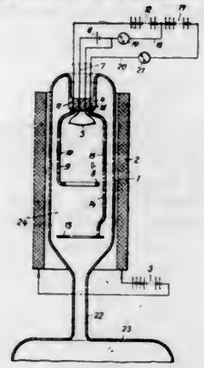
2,081,429

ELECTRON TUBE AND METHOD OF OPERATING THE SAME

Wolfgang Gaede, Karlsruhe, Germany

Application June 1, 1934, Serial No. 728,565
In Germany June 3, 1933
12 Claims. (Cl. 250—27)

1. An electron tube comprising a receptacle, a body of gas within the receptacle attenuated to a degree affording free length of way for electrons, a cathode and an anode arranged within the receptacle, means for diverting from otherwise normal paths electrons emitted by the cath-



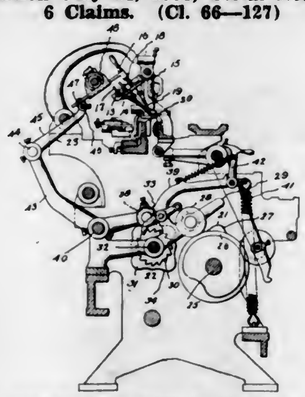
ode and causing them in increased numbers to pass by without impinging upon the anode, and means for effecting reversal in the direction of electrons so passing by the anode.

2,081,430

MACHINE FOR PRODUCING RINGLESS FULL-FASHIONED HOSIERY

William Maurice Grosse, Greensboro, N. C., assignor, by mesne assignments, of one-half to Mock, Judson, Voehringer Co. Inc., a corporation of New York, and one-half to Greensboro Full Fashioned Hosiery Mills, Inc., a corporation of North Carolina

Application July 14, 1933, Serial No. 680,383
6 Claims. (Cl. 66—127)



1. In combination with a plurality of carrier bars of a full fashioned knitting machine, an attachment for selectively and progressively operating said carrier bars comprising, a friction box adapted to reciprocate longitudinally of the knitting machine; a selector carried by said friction box for reciprocating longitudinal movement therewith and mounted in said friction box for sliding movement in relation thereto transversely of the machine to selectively engage and operate any one of said carrier bars; actuating mechanism for said selector including a rod upon which said selector is slidably engaged for its free reciprocating longitudinal movement, a frame supporting said rod, arms carrying said frame and capable of oscillating to move the frame together with the rod to and fro over the knitting machine

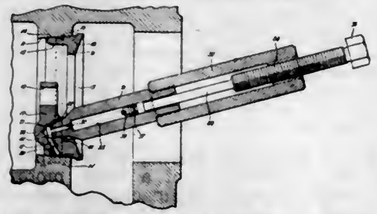
for sliding said selector in and out of its friction box transversely of the machine and thus set the selector in position for engagement with the selected carrier bar; a counter-shaft connected to said arms; a lever having one end fixed to said counter-shaft; a roller carried by said lever; a pattern cam having a compound curved cam path coacting with said roller whereby the lever is variably elevated to adjustably operate said arms; and power means for giving movements to said pattern cam.

2,081,431

VALVE SEAT

Leland S. Hamer, Long Beach, Calif.

Application March 10, 1934, Serial No. 715,029
2 Claims. (Cl. 251—167)



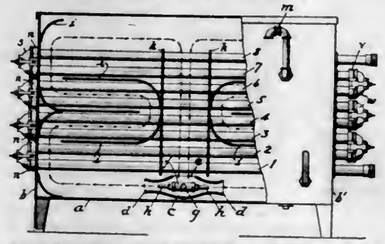
1. A valve seat for arrangement in a tapered opening in a wall, including an annular body having a tapered outer periphery adapted to bear in the opening whereby it is fixed therein, and an inwardly extending valve guiding web on the body, and means for releasing the body from the opening comprising walls on the body providing a groove in its outer periphery adapted to form a confined space between the body and the wall of the opening, and a port communicating with the groove and extending into the web and to the exterior thereof.

2,081,432

MILK HEATER

Cyrus Howard Hapgood, Nutley, N. J., assignor to The De Laval Company, Limited, Peterborough, Ontario, Canada, a corporation of Canada

Application August 6, 1936, Serial No. 94,500
3 Claims. (Cl. 257—64)



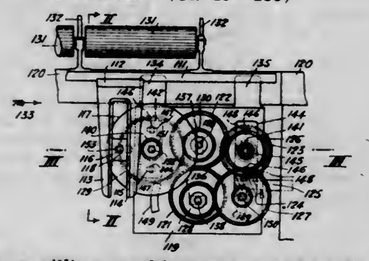
1. A milk heater comprising a tank, narrow relative to its length and height, adapted to contain a heating fluid, a series of horizontally disposed tubes within the tank arranged one above another, end headers connecting adjacent tubes to provide a continuous flow passage for liquid to be heated through the tubes successively, means in the bottom part of the tank to force the heating fluid to flow laterally in the direction of extension of the tubes, and baffles in the tank to compel the liquid to flow at successively higher levels in successively opposite directions longitudinally of the tubes and thence downward.

2,081,433

GILLING MACHINE AND DRAWING MACHINE FOR THE TREATMENT OF FIBROUS MATERIAL

John Hughes, Rochdale, England

Original application July 28, 1934, Serial No. 737,368. Divided and this application May 7, 1936, Serial No. 78,322. In Great Britain July 29, 1933
4 Claims. (Cl. 19—158)



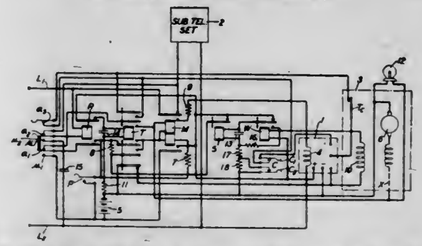
3. In a gilling machine, worsted draw-frame or like machine, in combination with a reciprocatory slide for transmitting reciprocating motion to parts for winding fibrous material into balls or rolls, a vertical slide-way rigid with said slide and disposed wholly below said slide, a radially adjustable crank contrived to work in said slideway, a crank plate carrying said crank, and gearing including intermeshing eccentric toothed wheels for rotating said crank plate, and driving and intermediate gear wheels for rotating said eccentric toothed wheels, bearing parts for said crank plate and said wheels, a vertical plate carrying all said bearing parts, said vertical plate formed in the middle of its width with a horizontal slot and a vertical slot, studs secured in said slots and carrying said eccentric toothed wheels, a stud carrying said crank plate, and a bracket forming a bearing for said last mentioned stud and mounted for adjustment on said vertical plate, said vertical plate formed with a curved slot, and a stud carrying said intermediate gear wheel and adjustable in said slot.

2,081,434

COMBINATION TELEPHONE AND TELEGRAPH EXCHANGE SYSTEM

Bent Bülow Jacobsen, Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

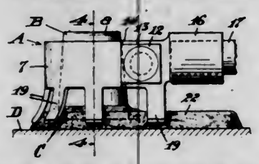
Application February 28, 1935, Serial No. 8,592
In Great Britain June 18, 1934
4 Claims. (Cl. 179—4)



1. In a telephone exchange system adapted for transmitting telegraph messages, a line circuit, a plurality of stations connected to said line circuit, telephone equipment and telegraph equipment at each of said stations connected to said line circuit, manually operated switching means

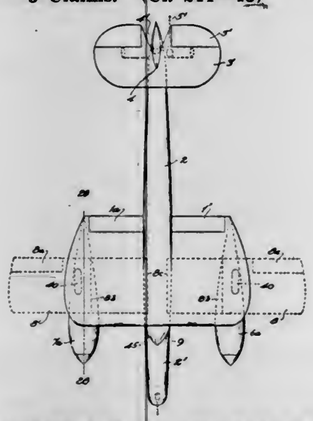
included in said telphone equipment for establishing a connection between said stations over said line circuit, other manually operated switching means for preparing a connection between said telegraph equipments over said line circuit, automatically operated means in said telegraph equipment arranged to complete the connection between said telegraph equipment when said first mentioned manually operated means is restored to normal, a release key arranged when opened to transmit a signal longer than the longest similar telegraph signal to the telegraph equipment at each of said stations, corresponding slow-acting relays at each of said stations, a source of current normally flowing through each of said relays, transformer means at each of said stations responsive to said long signal for causing the normally flowing current to disappear and to thereby cause the release of said slow-acting relays and the subsequent release of said telegraph connection.

2,081,435
BATTERY TERMINAL CONNECTER
Joseph Parmeson, Los Angeles, Calif.
Application November 20, 1935, Serial No. 50,680
7 Claims. (Cl. 173—259)



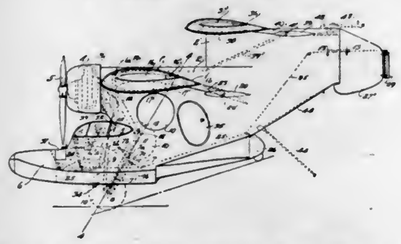
1. A battery terminal connecter comprising a clamp having an arcuate end member for encompassing a battery post and formed with leg members extending in continuation of the end portions of the arcuate member, means for attaching an electrical conductor to said clamp, a clamping bolt connecting said leg members, and spacing means protruding downward from the lower margin of said clamp for limiting engagement of the clamp to the upper portion of a battery post.

2,081,436
SPEED PLANE
James V. Martin, Garden City, N. Y.
Application June 6, 1933, Serial No. 674,566
5 Claims. (Cl. 244—43)



1. In combination with a main wing of an aeroplane, a telescopic wing housed therein, upper and lower rails attached to the internal bracing of the said main wing and a belt on one of the said rails guiding the said telescopic wing for relative transverse motion to the aeroplane's direction of flight.

2,081,437
AIRCRAFT
James V. Martin, Garden City, N. Y.
Application August 30, 1933, Serial No. 687,540
8 Claims. (Cl. 244—13)



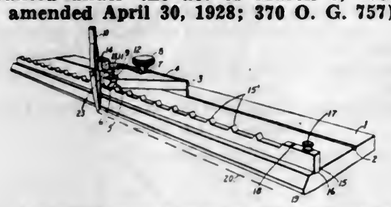
4. In an aeroplane having a principal body frame the combination of a wing, motor and pilot's cabin, grouped compactly in side elevation about the principal body frame, the said body providing a chassis housing adjacently below the said wing and to rearward of the said cabin, the said body subtended from the said wing and carrying the said motor and wing adjacent the upper part of the said frame, a retractable wheeled chassis journaled to the said body adjacent the lower end of the said frame upon an axis having its forward end upwardly inclined so that in its most extended position the chassis wheels occupy a position below and forwardly of the said axis and in its retracted position the wheels are located in the aforesaid housing and above the said axis.

2,081,438
PISTOL
Edward S. Pomeroy, Springfield, Mass., assignor to Smith and Wesson, Inc., Springfield, Mass., a corporation of Massachusetts
Application October 8, 1935, Serial No. 44,019
7 Claims. (Cl. 42—71)



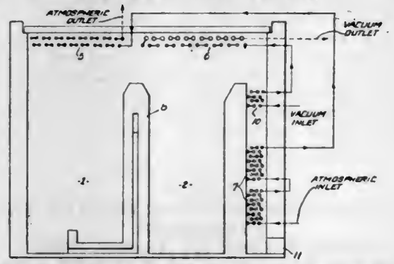
1. A pistol comprising a frame having an upper portion of predetermined thickness and a lower portion of reduced thickness to provide stock spaces on opposite sides of the frame respectively, said upper portion having in its outside faces recesses opening into said spaces with surfaces extending transversely of said faces, stocks mounted in said spaces, the upper ends of the stocks having reduced thickness and overlapping said upper portion of the frame, and each stock having fast thereto a metallic positioning part fitting into one of said recesses and engaging one of said surfaces.

2,081,439
MECHANICAL DOTTING DEVICE
Bernard L. Simmons, Mount Rainier, Md.
Application September 15, 1936, Serial No. 100,862
2 Claims. (Cl. 33—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A dotting device, comprising in combination a ruler with a V shaped carriage, having a bearing point formed thereon, a slide attached to said carriage and adapted to engage a groove formed in said ruler, a spring mounted on said carriage and having jaws formed thereon, adapted for holding scribing means, a scribing means, means for adjusting said scribing means on said carriage, and a spacer rack mounted on said ruler in position to cooperate with said carriage.

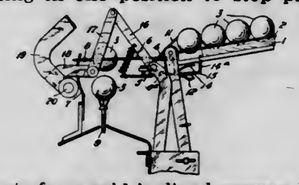
2,081,440
DISTILLATION UNIT
John S. Wallis and John C. Mahoney, New York, N. Y., assignors to Alco Products, Incorporated, New York, N. Y., a corporation of Delaware
Application November 4, 1931, Serial No. 572,890
4 Claims. (Cl. 196—110)



2. A two stage distillation unit comprising in combination; a casing, a bridge wall forming two combustion chambers, independent means for supplying heat to said combustion chambers, a horizontally disposed atmospheric radiation tube bank in one combustion chamber, a horizontally disposed vacuum radiation tube bank in the other combustion chamber, a second bridge wall forming an exhaust passage for the products of combustion from both said combustion chambers, two vertically disposed convection tube banks located in said passage, one of said convection tube banks connected in series with said atmospheric radiation banks, the other of said convection tube banks connected in series with said vacuum radiation tube banks, and separate inlets and outlets for said atmospheric and vacuum stages.

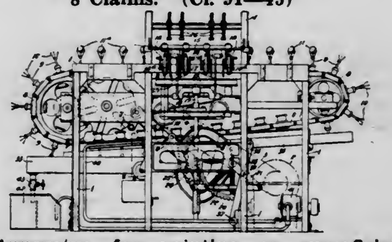
2,081,441
AUTOMATIC FEEDING OR DELIVERY APPARATUS
Harry Willshaw, Wylde Green, Birmingham, and Thomas Norcross, Erdington, Birmingham, England, assignors to Dunlop Rubber Company, Limited, London, England, a British company
Application August 11, 1936, Serial No. 95,349
In Great Britain July 1, 1935
5 Claims. (Cl. 198—26)

1. Apparatus for automatically feeding objects such as balls in intermittent succession which comprises a fixed inclined runway for said objects, a feed control platform pivotally supported to rock about a horizontal axis beneath the platform and transverse to the path of said balls, said platform having a runway adapted in one position to form a continuation of said fixed inclined runway and to deliver said object, and in another position to retain said object, said platform acting in one position to stop passage of



said objects from said inclined runway and feed control members to intercept objects on said inclined runway when said platform is in position to permit the passage of an object, said members comprising a U-shaped element pivoted at its free ends on opposite sides of said platform at the axis thereof and weighted to swing into intercepting position, said platform having means to lift said U-shaped element against the action of said weight when tilted into intercepting position.

2,081,442
APPARATUS FOR PAINTING OR SIMILARLY TREATING OBJECTS SUCH AS GOLF BALLS
Harry Willshaw, Wylde Green, Sydney Neville Goodhall, Marsten Green, and William Alexander Cowles, Sutton Coldfield, England, assignors to Dunlop Rubber Company Limited, London, England, a British company
Application August 11, 1936, Serial No. 95,350
In Great Britain July 1, 1935
8 Claims. (Cl. 91—45)



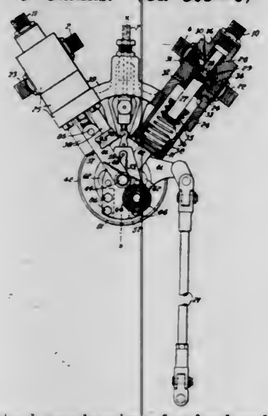
1. Apparatus for painting or superficially treating objects such as golf balls which comprises a horizontally disposed endless chain conveyor, upstanding object supporting devices at spaced intervals in said conveyor, means for successively loading groups of said supporting devices, the individual devices of said groups being simultaneously loaded, means to drive said conveyor intermittently to bring said loaded groups of the object supporting devices successively to treating position, means to rotate said supporting devices about an axis of the supported objects while at said treating position, spraying means corresponding in number to the supporting devices of a group and located at predetermined positions relative to the respective supporting means, means common to all said spraying means for simultaneously swinging them in an arc centered on the respective supported objects while said objects are in treating position and means to render said spraying means inoperative while the conveyor is moving the object supporting devices to the treating position.

2,081,443

FLUID PRESSURE BRAKING APPARATUS

Joseph Wright, Stoke Park, and Henry Trevaskis, Sutton Coldfield, England, assignors to Dunlop Rubber Company, Limited, London, England, a British company

Application January 26, 1937, Serial No. 122,362
In Great Britain February 19, 1936
9 Claims. (Cl. 303—6)



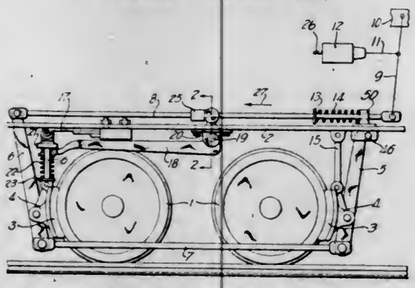
1. A control mechanism for hydraulic braking apparatus which comprises a valve having a supply and a return port longitudinally spaced from each other, a piston, slidable in said valve, hollowed at one end and having ports registering alternatively with said supply and return ports in alternative positions of longitudinal displacement and closed from said ports in an intermediate position, a spring acting on said piston and control means to compress or release said spring against said piston.

2,081,444

BRAKE CONTROL DEVICE

Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application February 13, 1935, Serial No. 6,332
7 Claims. (Cl. 188—181)



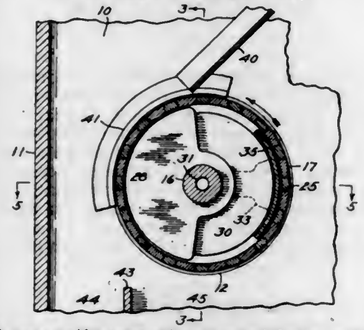
1. In combination, a vehicle wheel, means adapted to frictionally engage said wheel for braking said wheel, means resiliently supporting such braking means in braking relation with said wheel and adapted to permit movement of said braking means in one direction of rotation of said wheel upon attaining a predetermined braking effort on said wheel, a lever connected to said braking means, a rod connected to said lever, means for applying braking force to said rod and thereby through said lever and braking means to said wheel, means for applying force to said rod in opposition to the braking force applied to said rod, and lever means operative upon said movement of said braking means for operating the last mentioned force applying means.

2,081,445

MAGNETIC SEPARATOR

L. V. Andrews and Harold F. Walton, Worcester, Mass., assignors to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts

Application June 28, 1934, Serial No. 732,910
7 Claims. (Cl. 209—219)



4. A magnetic separator comprising a substantially horizontal iron core, two electrical coils surrounding the core and spaced apart axially, an iron pole piece extending radially from the core and located between the coils, the pole piece being shaped as a circular sector, a rotatable cylindrical drum surrounding the coils, the drum having a main body of non-magnetic material and a series of iron bars supported therein and parallel to the axis of the drum, the bars being alternately long and short, and means to deliver a stream of mixed magnetic and non-magnetic material to the outer surface of the drum.

2,081,446

CONTINUOUS PRESSURE COOKER AND STERILIZER

Henry E. Brett, Los Angeles, Calif.

Application November 21, 1933, Serial No. 699,008
7 Claims. (Cl. 126—272)



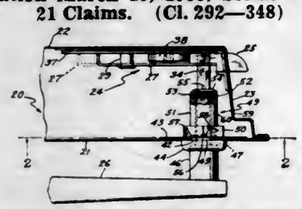
1. A continuous pressure cooker and sterilizer including a shell having a cooking and sterilizing chamber therein in which cans of food products can be treated to preserve them, said shell having a plurality of spaced inlet openings at one end thereof and an outlet opening at the other end; an airtight rotary valve detachably secured to said shell over one of the inlet openings; cover plates detachably secured to said shell so they normally form an airtight closure over said other inlet openings, an airtight rotary discharge valve secured to said shell over said outlet opening, a conveyor in said shell for conveying the cans of food products from the inlet valve to the discharge valve, and attachment means including bolts whereby said inlet rotary valve and the cover plates are detachably secured to said shell and made transferable from inlet opening to inlet opening for the purpose of increasing or decreasing the distance the cans will travel from said inlet valve to said discharge valve.

2,081,447

MOUNTING FOR DOOR HANDLES

William A. Carmichael and Franklin H. Hart, New Haven, Conn., assignors to C. Cowles and Company, New Haven, Conn., a corporation of Connecticut

Application March 19, 1935, Serial No. 11,821
21 Claims. (Cl. 292—348)



1. In combination, a handle having a shank adapted to extend through a non-circular opening in a door panel from the outer side of the panel, an escutcheon on said shank adapted to be located at the outer side of the panel and limit movement of the shank in one direction through the panel, a non-circular member on the shank to be located at the inner side of said panel, and said member being turnable about the shank and relative to the escutcheon from a position registering with the opening and in which it is movable through the opening with the shank to a position out of registry with the opening to prevent movement of the shank outwardly through said opening.

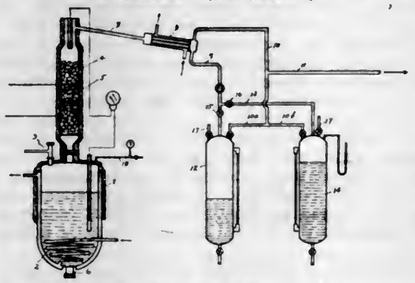
20. In combination, a latch operating handle having a shank adapted to extend through a non-circular opening in a door panel, an escutcheon on the shank having a head to be located outside the panel and a non-circular portion to extend into the opening, a non-circular member on the shank adapted to be located at the inner side of the panel and turnable about the shank to a position out of registry with the opening to prevent removal of the shank from the panel, and means on the inner member to cooperate with a tool for turning said member.

2,081,448

HEAVY OIL

William H. Carmody, Pittsburgh, Pa., assignor to The Neville Company, a corporation of Pennsylvania

Application February 17, 1936, Serial No. 64,333
2 Claims. (Cl. 260—7)



1. The herein described method of purifying a heavy oily substance produced in resin manufacture comprising preponderantly the lower polymers of the polymerizables contained in crude solvent naphtha and equivalent liquids and recovered by separation from the higher resin forming polymers with which it is in production associated which comprises polymerizing aldehydes present in association with the heavy oil in unpurified condition by means of an alkaline material catalytically active in promoting aldehyde polymerization, and distilling the heavy oil away from residual aldehyde polymers and products and from the alkaline treating material under vacuum conditions represented by no more than 10 mm. of mercury under a temperature not substantially exceeding 200° C. while rigidly excluding oxygen from the liquid subjected to distillation and from the distillate.

2,081,449

SOLUTION FOR TREATING THE SURFACE OF STEEL OR IRON FOR THE APPLICATION OF PAINT

Charles B. Cook, Jr., West Hartford, Conn.

No Drawing. Application May 16, 1935, Serial No. 21,913
6 Claims. (Cl. 148—6.5)

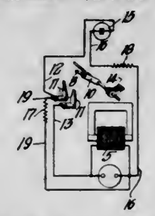
1. The process of producing a rust-resisting coating on iron or steel articles by subjecting them to the action of oxalic acid and nitric acid in solution and in the proportions of 4 to 12 parts of oxalic acid to 1 to 3 parts of nitric acid.

2,081,450

DISTRESS SIGNAL FOR ELECTRICALLY-OPERATED CLOCKS

William P. Elliot, New York, N. Y.

Application December 28, 1934, Serial No. 759,504
5 Claims. (Cl. 58—26)



1. In combination with a clock actuated by an electric motor, a distress signal comprising an electrically operated gas glow lamp, a circuit for operating the same cut in upon the operating circuit of the clock motor, and means for limiting and controlling the electrical current to operate the said gas glow lamp subsequent to a distress period of the motive power of the clock, said means embodying a resistance element shunted across said lamp and a resistance element disposed in series, both in the circuit servicing said lamp.

2,081,451

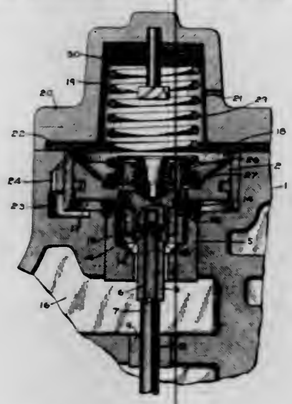
SPRING PRESSED DEVICE

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 12, 1934, Serial No. 725,335
10 Claims. (Cl. 137—153)

1. The combination with a fluid pressure operated device comprising a casing containing a piston chamber and a cover portion adapted to close one end of said chamber of an annular gasket adapted to provide a seal between said casing and cover portion, a piston operatively mounted in said chamber and adapted to engage said gasket for effecting a leak-proof seal, said piston having a stem provided with an axial bore, and an operating stem slidably mounted in a bore in said casing and having an extension of smaller diameter than that of said axial bore extending

through said axial bore into engagement with said piston for operation thereby, and means cooperatively associated with said operating stem and piston for permitting said piston to adjust its posi-



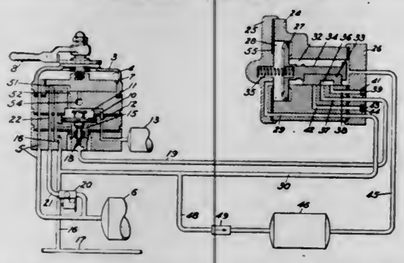
tion relative to said operating stem so as to insure leak-proof engagement of said piston with said gasket, regardless of slight misalignment of said bores.

2,081,452

FLUID PRESSURE BRAKE

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application June 13, 1935, Serial No. 26,393
16 Claims. (Cl. 303—55)



15. In a fluid pressure brake, in combination, a brake pipe, a brake valve device operative to vent fluid under pressure from the brake pipe, a movable abutment subject to the pressure of fluid in the brake pipe and to a substantially constant opposing pressure, and valve means operable by said abutment to control the rate at which fluid under pressure is vented from the brake pipe by said brake valve device.

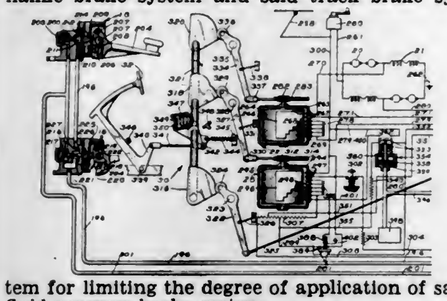
2,081,453

RAILWAY BRAKE SYSTEM

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application June 13, 1935, Serial No. 26,394
41 Claims. (Cl. 303—3)

1. In a vehicle brake equipment, in combination, a fluid pressure brake system, a dynamic brake system, a track brake system, control means for controlling applications of all of said brake systems, means controlled by said dynamic brake system for delaying application of said fluid pressure brake system for a predetermined length of time, and means controlled jointly by said dynamic brake system and said track brake sys-



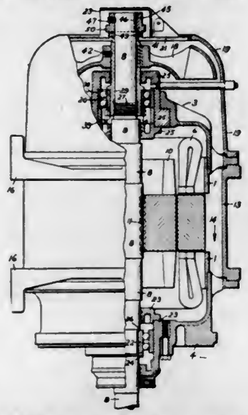
tem for limiting the degree of application of said fluid pressure brake system.

2,081,454

ADJUSTABLE SHAFT MOTOR

Aladar Hollander, Berkeley, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware

Application July 1, 1936, Serial No. 88,401
3 Claims. (Cl. 172—36)



1. In a totally enclosed fan-cooled electric motor, a housing enclosing the motor and fan, a motor shaft supported adjacent its ends by ball race bearings, including bearing housings supported in the motor housing at opposite ends thereof, and having one end of the shaft extending beyond the motor and fan housing, a sleeve mounted on the extended end of said motor shaft and having a threaded connection therewith, said sleeve extending through the adjacent motor bearing and secured to the inner bearing race, said bearing being secured in the motor housing against axial movement, a fan mounted on said sleeve for rotation therewith, and means at the end of said shaft and sleeve for securing same against respective rotation, said shaft being slidable through the opposite motor bearing housing.

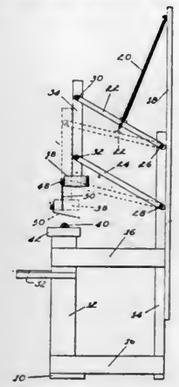
2,081,455

MOLDING DEVICE

Harry H. Holly, Chicago, Ill., assignor of one-half to Albert J. Fihe, Chicago, Ill.

Application February 24, 1936, Serial No. 65,380
7 Claims. (Cl. 107—8)

1. A mold, including a recessed element, a liner therefor, means for supporting the liner on the recessed element, an opposed support for material to be molded, and means for moving the recessed element downwardly and outwardly to-



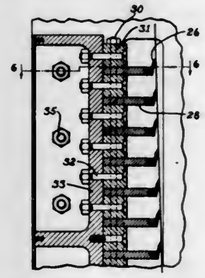
ward the support, which movement causes the mold liner to be blown into position under the recessed element.

2,081,456

PAPER MAKING APPARATUS

Charles W. Howard, Franklin, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio

Application July 11, 1936, Serial No. 90,196
15 Claims. (Cl. 91—55)



9. Apparatus for removing water and the like from a web of waxed paper comprising means for guiding the web in a downward direction, and a series of shaving blades having water guiding surfaces inclining downwardly and away from the web at a small angle for effective mechanical separation of the water by a combined gravitation and shaving action.

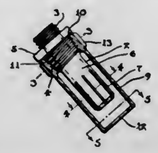
2,081,457

ATTACHMENT FOR AIR BRAKE PRESSURE RETAINING VALVES

Sylvester L. Joiner, Sweetwater, Tex., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 12, 1934, Serial No. 715,189
17 Claims. (Cl. 303—1)

1. A device adapted for attachment with the exhaust port of an air brake pressure retaining valve device or the like consisting of a relatively long hollow nipple one end of which is to be attached to the said exhaust port and project a substantial distance therebeyond, the said nipple being provided throughout a substantial portion of its length with a plurality of openings in the form of relatively long narrow slots, through which slots exhaust air and/or other foreign matter is discharged to the atmosphere, and means secured to said nipple over said openings forming a chamber open to said openings and



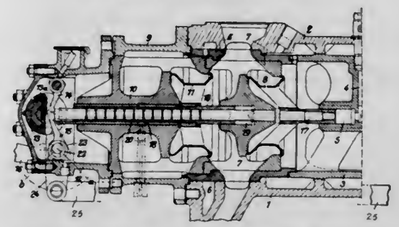
open, at one end only, to the atmosphere and through which fluid under pressure issuing from said openings escapes to the atmosphere, said means acting to prevent foreign matter from the atmosphere entering said openings.

2,081,458

CAM ACTUATED POPPET VALVE GEAR

Hugo Lentz, Berlin-Halensee, Germany

Application September 17, 1935, Serial No. 40,933
In Germany April 20, 1935
2 Claims. (Cl. 121—127)



1. An arrangement for varying the compression in piston steam engines, especially locomotive steam engines with poppet valve gear, comprising in combination with the cylinder, an admission valve and an exhaust valve at each end of said cylinder, a hollow spindle connected to said exhaust valve, a spindle connected to each of said admission valves and mounted in said hollow spindle, a cam chamber on said cylinder, said spindles projecting into said chamber, an oscillating cam in said chamber, two intermediate levers mounted in said chamber, one actuating said exhaust valve and the other actuating said admission valve, pivot axles one carrying each of said intermediate levers, the pivot axle carrying the intermediate lever of said admission valve being fixed, and means for adjusting the position of the pivot axle carrying the intermediate lever of said exhaust valve to close said exhaust valve later with approximately the same throttle setting but higher speeds.

2,081,459

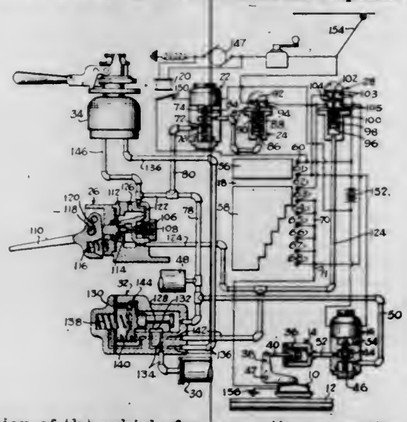
MAGNETIC SHOE BRAKE

John W. Logan, Jr., Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application July 12, 1934, Serial No. 734,781
24 Claims. (Cl. 303—3)

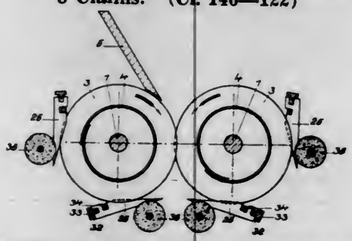
1. In a vehicle brake system, the combination with an electric brake device and a brake cylinder, of means for rendering said electric brake device effective to produce a braking effect, means for supplying fluid under pressure to said brake cylinder to also produce a braking effect, means for

rendering said electric brake device ineffective to produce a braking effect, and means responsive to



motion of the vehicle for preventing operation of said last means while the vehicle is moving.

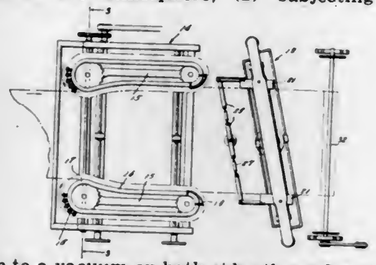
2,081,460
TOBACCO CUTTING DEVICE
Valentin Lorentz, Dolzschen, near Dresden, Germany
Application December 15, 1934, Serial No. 757,649
In Germany November 26, 1932
8 Claims. (Cl. 146—122)



3. A tobacco cutting device, comprising rotary cutter blocks formed of thin knife discs alternately disposed with intermediate members on a common shaft, cleaning members engaging the gaps between the individual knife discs, said cleaning members being distributed over different parts of the circumference of the knife discs, grinding means for said cleaning members, said cleaning members cooperating with said grinding means outside the range of the knife discs, means for adjusting the cleaning members for grinding, and a common carrier for the cleaning means swingingly arranged in the machine frame, said carrier being located so closely to the knife discs that said cleaning members extend partly between the discs in grinding position.

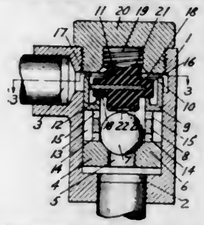
2,081,461
FINISH FOR FABRIC FOR TEXTILE INDUSTRY
John J. McCann, Jr., Lowell, Mass.
Application March 11, 1932, Serial No. 598,265
Renewed November 10, 1933
8 Claims. (Cl. 26—60)

1. A method of finishing fabric in the piece, which consists in simultaneously straightening the selvedge and stretching the fabric widthwise while permitting a decrease in length proportional to the increase in width, and thereafter successively treating the fabric in said stretched condition by (1) subjecting one face of the fabric to vacuum with the relatively opposite face exposed to the atmosphere, (2) subjecting the



fabric to a vacuum on both sides thereof, and (3) causing superheated steam to flow through the fabric whereby is produced a superior and more uniform fabric having a balanced thread tension and a set to permanent and uniform width.

2,081,462
CHECK VALVE DEVICE
Glenn T. McClure, McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 21, 1936, Serial No. 70,121
11 Claims. (Cl. 277—42)

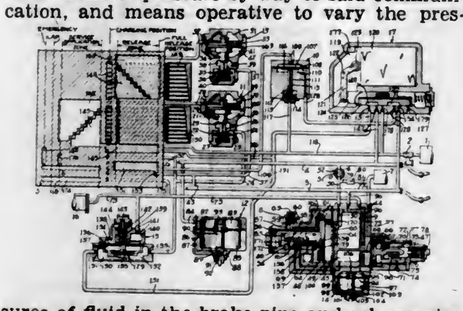


1. In a ball valve device comprising a casing having a fluid conducting communication therethrough, a valve seat, a ball valve adapted to engage said seat to close said communication against flow of fluid in one direction and movable away from said seat by the flow of fluid in another direction, and means having high frictional resisting characteristics adapted to engage said valve when the valve is moved from said seat to maintain the valve against rotation.

2,081,463
BRAKE EQUIPMENT FOR RAILWAY VEHICLES
Carlton D. Stewart, Berkeley, Calif., and Clyde C. Farmer, Pittsburgh, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 12, 1934, Serial No. 757,138
59 Claims. (Cl. 303—26)

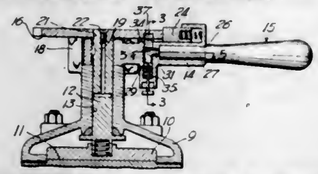
1. In a vehicle fluid pressure brake, in combination, a brake pipe, a release pipe adapted to be charged with fluid under pressure in response to an application of the brakes, a brake controlling valve mechanism comprising a valve device operated upon a reduction in brake pipe pressure for supplying fluid under pressure to effect an application of the brakes and operated upon an increase in brake pipe pressure to establish a communication through which fluid under pressure is adapted to be released to effect a release of the brakes, said valve mechanism also comprising valve means operative upon a reduction

in release pipe pressure for effecting the release of fluid under pressure by way of said communication, and means operative to vary the pres-



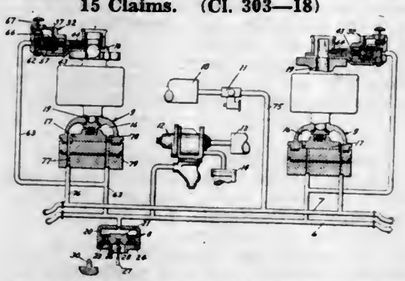
sures of fluid in the brake pipe and release pipe for controlling the operation of the brake controlling valve mechanism.

2,081,464
BRAKE VALVE DEVICE
Carlton D. Stewart, Swissvale, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 12, 1935, Serial No. 26,133
20 Claims. (Cl. 303—56)



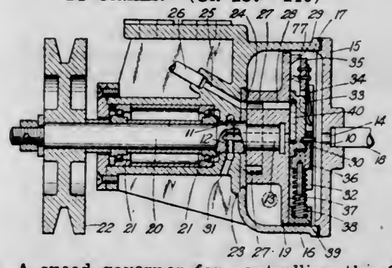
1. A control device comprising a casing, control means, a member associated with the casing and movable relative thereto for operating said control means, an element carried by said member and operative to lock the said member against movement relative to the casing, and an axially rotatable handle carried by said member and adapted upon axial rotation to operate the said element to unlock said member for movement relative to the casing.

2,081,465
TRIP COCK INTERLOCK DEVICE
Carlton D. Stewart, Swissvale, and Ellis E. Hewitt, Edgewood, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 5, 1936, Serial No. 67,262
15 Claims. (Cl. 303—18)



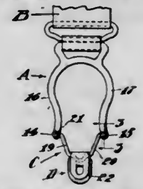
1. In a railway vehicle brake system, the combination with a brake pipe, a reduction in pressure in which is adapted to effect an application of the brakes, and means controlled from the track for venting fluid under pressure from said brake pipe, of valve means operative to an open position upon a predetermined reduction in brake pipe pressure for venting fluid under pressure from the brake pipe, and means adapted to be manually operated for effecting the return of said valve means to the normal closed position.

2,081,466
SPEED GOVERNOR
Theophile Tarisien, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application January 8, 1935, Serial No. 809. Divided and this application July 12, 1935, Serial No. 31,044. In France April 11, 1934
14 Claims. (Cl. 137—140)



14. A speed governor for controlling the flow of fluid under pressure comprising a casing, a rotor carried by and mounted to rotate in said casing and having a slide valve seat, a slide valve mounted on said seat and urged into contact with said seat, a member carried by said rotor and movable by centrifugal force upon rotation of said rotor, a spring acting on said member for opposing movement thereof by centrifugal force, and means connecting said member to said slide valve for moving said slide valve with said member.

2,081,467
HOSE SUPPORTER
James G. Tompkins, Los Angeles, Calif.
Application October 26, 1934, Serial No. 750,157
3 Claims. (Cl. 24—243)

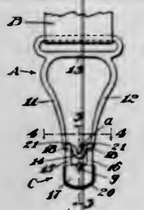


1. In a hose supporter, a supporting yoke having its side members formed of overlapped strips of metal formed to provide elongated sockets at the ends of said yoke, a fastening yoke, and ovoidal knobs at the ends of said fastening yoke pivotally seated in said sockets.

2,081,468
HOSE SUPPORTER
James G. Tompkins, Los Angeles, Calif.
Application October 26, 1934, Serial No. 750,158
8 Claims. (Cl. 24—243)

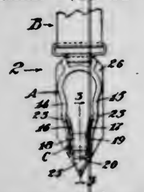
1. In a hose supporter, a support having side members and an end member connecting the

lower ends of said side members, said end member being formed with an upwardly opening recess, a fastening member pivoted on said end member at opposite sides of said recess to swing



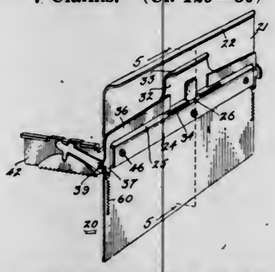
between said side members to wrap a fabric therearound with a portion of the fabric extending between said side members and bearing in the recess on said end member.

2,081,469
HOSE SUPPORTER
James G. Tompkins, Los Angeles, Calif.
Application October 26, 1934, Serial No. 750,159
4 Claims. (Cl. 24—243)



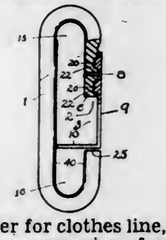
1. In a hose supporter, a hose engaging yoke, a support having spaced supporting members on which the open end of said yoke is pivoted to swing between and to opposite sides of said supporting members and be revolved around its axis to wind a fabric thereon, and abutment means on said support extending alongside of said yoke when the latter is in a depending position adapted to limit the extent of overlap of the fabric over the depending fastening yoke.

2,081,470
FILING CABINET
Lawrence A. Vanderhoof, Corry, Pa., assignor to Corry-Jamestown Manufacturing Corporation, Corry, Pa., a corporation of New York
Application August 18, 1934, Serial No. 740,460
7 Claims. (Cl. 129—30)



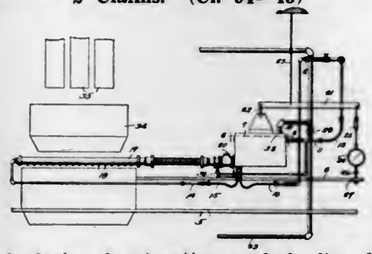
1. The combination with a drawer having a guide channel therein; of a follower, a guide shoe on said follower projecting into and freely movable along said channel, means on and movable relative to said shoe, said means being frictionally engaged with said channel, a lever on said follower, further means connecting said lever with said means, said lever being operable to release said means from frictional engagement with said channel.

2,081,471
SUPPORTER FOR CLOTHES LINES
May L. Weeks, Utica, N. Y.
Application October 11, 1935, Serial No. 44,588
2 Claims. (Cl. 68—3)



1. In a supporter for clothes line, an oval shaped member having an opening for engaging the upper and lower lines, an L shaped latch member pivotally mounted to said oval shaped member adjacent said opening and dividing the space within the said oval shaped member to prevent the upper and lower lines from contacting with one another and cooperating means on an arm of the L and oval members, whereby to hold said latch member in locked position relative to said oval shaped member.

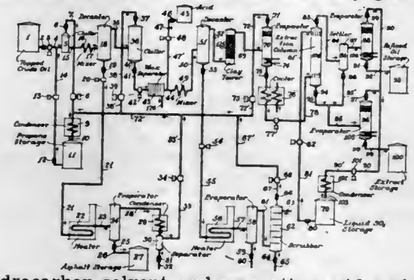
2,081,472
ASPHALT CONDITIONING AND CHARGING DEVICE
Charles R. Blood, Sacramento, Calif., assignor of twenty-four per cent to W. H. Gerber, and twenty-four per cent to George S. Tyler
Application June 12, 1935, Serial No. 26,309
2 Claims. (Cl. 94—43)



1. A device for treating and feeding liquid asphalt to a pug-mill, comprising a weighing chamber into which a batch of material is delivered and weighed, means for heating the contents of the weighing chamber, a manifold leading from the weighing chamber and having openings through which material is delivered to the pug-mill, a steam pipe closed at its inner end, extending into the manifold heating the material passing through the manifold, steam nozzles carried by the steam pipe and extending through the openings of the manifold in spaced relation therewith, whereby steam passing through the nozzles will act to draw material through the openings, depositing the material in the pug-mill.

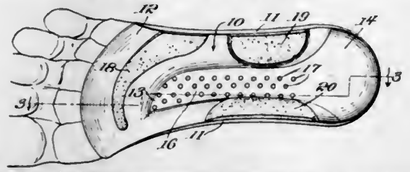
2,081,473
PROCESS FOR TREATING OILS
Ulric B. Bray, Palos Verdes Estates, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Original application August 4, 1931, Serial No. 555,017. Divided and this application February 5, 1934, Serial No. 709,836
9 Claims. (Cl. 196—13)

1. A process for separating asphalt from oils containing the same which comprises commingling said oil at an elevated temperature of at least 120° F. with a liquefied normally gaseous



hydrocarbon solvent and separating said asphalt from said oil and solvent at an elevated temperature.

2,081,474
CUBOID-METATARSAL ARCH SUPPORT
William C. Burns, Yamhill, Oreg.
Application October 23, 1935, Serial No. 46,404
2 Claims. (Cl. 36—71)



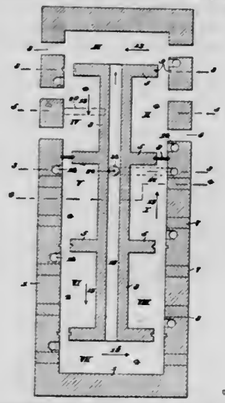
1. A cuboid-metatarsal arch support comprising, an insole, a crescent shaped pad increasing in width from end to end on the insole and having its wide edge disposed at the outer edge of the insole, said pad being adapted to elevate the metatarsal arch underneath the metatarsal bones, and coacting oppositely disposed pads on the rear portion of the insole having curved edges confronting each other and spaced from the longitudinal center line of the insole, said coacting pads being adapted to underlie the cuboid bone and internal cuneiform bone and simultaneously elevate the cuboid arch and prevent pronating of the foot.

2,081,475
PROCESS FOR PURIFYING NAPHTHENIC ACIDS
Donald E. Carr, Naples, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application October 29, 1935, Serial No. 47,273
6 Claims. (Cl. 260—108)

1. In a process for purifying naphthenic acids contaminated with carbonaceous materials, the step of contacting said acids at a temperature substantially between 100° F and 175° F. with a quantity of sulfuric acid having a concentration above 100%, said quantity of sulfuric acid being only sufficient to cause precipitation of said carbonaceous materials.

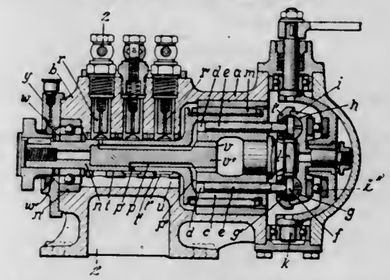
2,081,476
CERAMIC FURNACE
Etienne Jean Dusseris, Paris, France
Application October 16, 1935, Serial No. 45,328
7 Claims. (Cl. 25—134)

1. A continuously operable furnace of the Hoffman-type, comprising outer masonry walls, and an inner masonry wall spaced from said outer wall, the said outer and inner walls defining between them a passage for the flow of gases, a plurality of masonry baffles extending from said walls into said passage, the said baffles extending alternately from the outer and inner walls, valve plates slidable vertically and disposed between those baffles extending from a selected one of said outer and inner walls and the adjacent masonry



wall, for controlling the cross-section of and for closing said passage, adjacent baffles defining between them a section, a door extending through the outer masonry wall, and providing a communication to the exterior for each section, and a valve disposed in the outer walls adjacent each of said valve plates, for the controlled intake of combustion air.

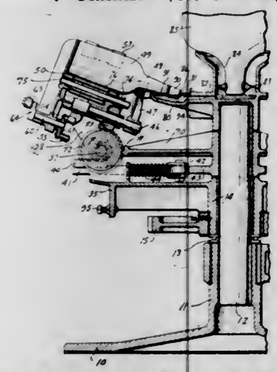
2,081,477
PUMP
Fritz Egersdörfer, Berlin-Charlottenburg, Germany
Application May 8, 1935, Serial No. 20,460
In Germany April 25, 1933
4 Claims. (Cl. 103—162)



1. A distributor pump for liquid fuel comprising a stationary casing, a rotor in said casing having a plurality of axial bores constituting pump cylinders, a plunger in each cylinder, means for axially reciprocating the plungers, a drive shaft of smaller diameter than the rotor extending therefrom, said shaft having a plurality of axial channels of different lengths each communicating at one end with one of the pump cylinders and having at the other end a port in the surface of the shaft, said ports being located in different planes axially of said drive shaft, means for admitting fuel into said ports during part of each revolution of the shaft, a plurality of plugs arranged radially to the shaft in holes in the casing said plugs having bores

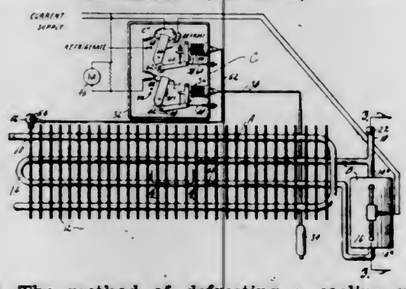
communicating with said ports during the other part of each revolution of the shaft, and means for maintaining sealing contact between said plugs and the shaft.

2,081,478
METHOD OF AND AUTOMATIC APPARATUS FOR COATING BOTTLE NECKS
Enoch T. Ferngren, Toledo, Ohio, assignor to Fernplas Corporation, a corporation of Delaware
Application September 11, 1934, Serial No. 743,559
7 Claims. (Cl. 91—42)



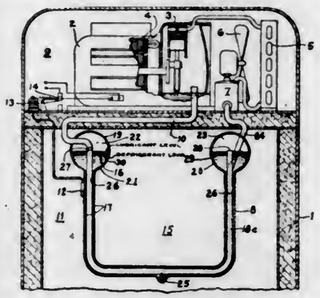
2. Apparatus for coating a bottle neck comprising means providing a pool of suitable coating liquid, a holder for a bottle, means to actuate the holder to dip the neck of a bottle therein into the pool, means to rotate the bottle about its own axis in the holder, and means to move the holder to carry the neck away from the pool and to draining position, the said bottle-rotating means including gearing coordinated with the dipping means to rotate the bottle at a predetermined speed while it is being dipped, to speed up the rotation while the neck is being removed from dipping position, to slow up the rotation during draining and to speed up the rotation at the end of the draining period.

2,081,479
REFRIGERATOR DEFROSTING METHOD AND APPARATUS
Fred B. Fink, Des Moines, Iowa, assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application April 18, 1932, Serial No. 605,973
31 Claims. (Cl. 62—4)



1. The method of defrosting a cooling unit comprising circulating fluid through a conduit which is in heat conducting relation to the cooling unit, heating said fluid to cause such circulation upon an undesirable low temperature condition of said cooling unit being reached, the commencement of such heating and thereby the control of such circulation being indirectly caused by the accumulation of frost on said cooling unit.

2,081,480
REFRIGERATION APPARATUS
Elliott E. Grover, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 5, 1933, Serial No. 701,028
6 Claims. (Cl. 62—126)



1. An evaporator including an enclosed chamber for liquid refrigerant, and having a plurality of independent refrigerant vapor spaces connected with the liquid chamber for containing refrigerant vapor and means for connecting the refrigerant vapor spaces above the level of the liquid, said means being substantially contained within the confines of the chamber and the refrigerant vapor spaces.

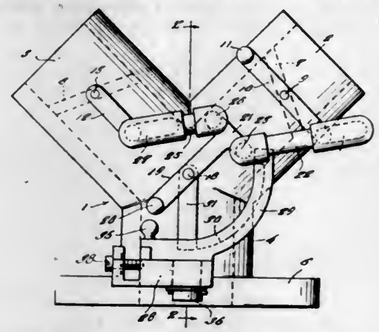
2,081,481
PROCESS FOR THE PRODUCTION OF NATURAL COLORED IMAGES ON PAPER AND DIAPOSITIVES (CINEMATOGRAPHIC FILMS)
Richard Gschöpf and Karl Pokorny, Vienna, Austria; said Pokorny assignor to said Gschöpf
No Drawing. Application January 10, 1934, Serial No. 706,128. In Austria July 22, 1933
6 Claims. (Cl. 101—149)

1. A process for the production of single and multicolored prints, consisting in coloring photographic gelatine printing matrices by means of colloidal solutions of dye bases, and transferring the absorbed dye base to a carrier provided with precipitants.

2,081,482
CARBURETOR
Kenneth Garfield Hall, Long Beach, Calif.
Application December 2, 1936, Serial No. 113,910
4 Claims. (Cl. 261—50)

1. A carburetor comprising a Y member including a stem having a mixing chamber therein and further including primary and secondary air intakes communicating with said mixing chamber, a fuel conduit communicating with the mixing chamber, a rotatably and slidably mounted valve for controlling the discharge of the fuel from said conduit, air control valves mounted in the primary and secondary air intakes, means for connecting the air and fuel valves together for rotation, and means operatively connected to the fuel valve for sliding same toward open or

closed position as it is rotated, the last named means including an arcuate cam mounted for rotary adjustment on the Y member and having



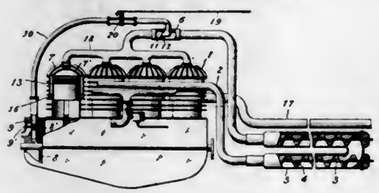
a groove in its inner periphery, manually operable means for adjusting the cam, and an arm fixed on the fuel valve and engaged in the groove and operable therein.

2,081,483
GEM
Evanda Pollard Haltom, Fort Worth, Tex.
Application May 14, 1936, Serial No. 79,795
2 Claims. (Cl. 63—32)



1. A gem or stone having a flat surface on its back, having parallel grooves in said flat surface and having the portions between contiguous grooves polished.

2,081,484
COOLING SYSTEM OF INTERNAL COMBUSTION ENGINES
Kihachi Kato, Hongo-ku, Tokyo, Japan, assignor to Minato Tsuji, Tokyo, Japan
Application July 3, 1935, Serial No. 29,750
In Japan July 9, 1934
4 Claims. (Cl. 123—171)



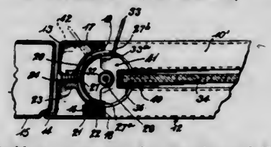
1. In an internal combustion engine, a cylinder, a cooling jacket surrounding said cylinder, an exhaust conduit leading from said cylinder to said cooling jacket, means in said conduit for cooling the exhaust gases, an air compressor and an air conduit from said air compressor leading into said exhaust conduit at a point between said cooling means and said cooling jacket and an outlet from said cooling jacket.

2,081,485
BUTTON
Harry H. Knott, Washington, Iowa, assignor to American Pearl Button Company, Washington, Iowa, a corporation of Iowa
Application October 9, 1935, Serial No. 44,217
1 Claim. (Cl. 24—102)



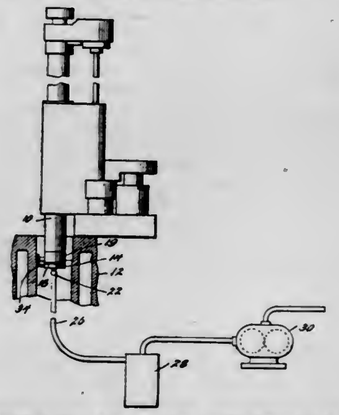
A button comprising a blank having substantially level and parallel front and back faces and a plurality of thread slots cut into the peripheral edge thereof to a depth relatively close to the center of the blank, the inner ends of said slots being inclined downwardly and outwardly from the front face of said blank.

2,081,486
AUTOMOBILE VENTILATOR
Edward L. Kraft, York, Pa., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware
Application March 28, 1933, Serial No. 663,222
8 Claims. (Cl. 98—2)



1. Ventilating means for automobiles of the closed body type comprising a body having an opening formed in a wall thereof with a well located in the wall below the opening, a pillar forming one margin of said opening, a transparent panel slidable between a position closing a portion of said opening and a position within the well, a support for one edge of said panel mounted on the pillar, a ventilator member arranged to control the remainder of said opening, and means for pivotally mounting said member on said pillar to move about an axis arranged intermediate opposite edges of the same.

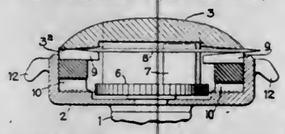
2,081,487
BORING BAR ATTACHMENT
Thomas Lane, Atlanta, Ga.
Application December 9, 1935, Serial No. 53,649
16 Claims. (Cl. 77—55)



1. A device for scavenging cylinders in a boring process in which a fly cutter is used which

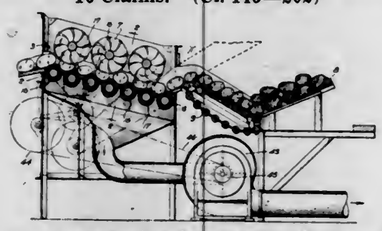
comprises conduit means adjacent the cutting tool and adapted to rotate therewith, said means having an orifice directly in front of the fly cutter point and in the path of the cuttings shot off by the cutting point of the tool and means for creating a stream of air of high velocity around said tool point for carrying the dust and cuttings into said orifice.

2,081,488
SAFETY RAZOR
Franz Lehmann, Zurich, Switzerland
Application February 3, 1936, Serial No. 62,195
In Germany February 15, 1935
17 Claims. (Cl. 30—36)



3. In a safety razor the combination of a head in the form of a casing, a cover on said casing, a blade mounted between said casing and said cover, a comb-like honing jaw fast upon said cover, a second comb-like honing jaw yieldably mounted opposite said first jaw in said casing, said two comb-like jaws being located adjacent the cutting edge of said blade, and means for giving said blade a circulating movement during which the cutting edge thereof passes between and is honed by said jaws.

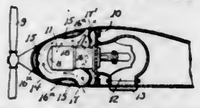
2,081,489
FRUIT AND VEGETABLE CLEANING AND POLISHING MACHINE
Howard C. Lisle and James W. Morse, Lansing, Mich., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application April 3, 1933, Serial No. 664,229
10 Claims. (Cl. 146—202)



1. In an apparatus for treating fruit and the like a series of treating rolls arranged in adjacent fruit supporting relation and forming valleys therebetween disposed transversely of the flow of fruit thereover, means for driving said rolls in a common direction of rotation, and a buffer mounted above one of the valleys formed between a pair of said rolls for buffing engagement with fruit in said valley, the roll of said pair at the exit side of a said valley being positioned with its top surface projecting above the top surface of the adjacent roll at the inlet side of said valley to prevent the fruit from being advanced by its increased traction with the rolls effected by its engagement with the buffer.

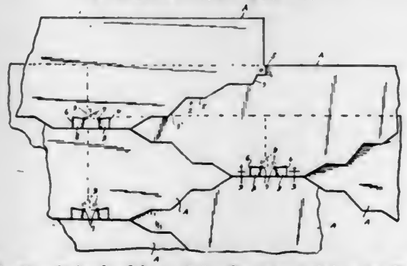
2,081,490
AIRPLANE
Edward A. Marski, Phoenix, Ariz.
Application September 24, 1934, Serial No. 745,312
18 Claims. (Cl. 244—55)

1. In an airplane having an air cooled engine mounted in a wing, said wing having a main spar; an air cooling means comprising laterally elongated openings through the upper and lower surfaces of the wing, which openings are located in front of the main spar, the lower opening being located adjacent the place of maximum positive air-to-wing pressure and the upper opening be-



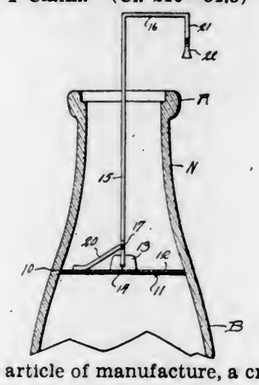
ing located adjacent the place of maximum negative air-to-wing pressure, the exhaust ducts of the engines being arranged to discharge toward the upper opening to increase the velocity of air flow from the lower opening to the upper opening through the wing.

2,081,491
SHINGLE
Claude F. Martin, Tulsa, Okla.
Application April 10, 1934, Serial No. 719,924
Renewed November 21, 1936
3 Claims. (Cl. 108—7)



2. An interlocking shingle comprising a body portion and a shingle simulating tab extending from said body portion, the lower edge of said tab being provided with slits extending inwardly therefrom and forming oppositely extending locking projections connected to the remainder of the tab by a relatively narrow neck portion, said body portion being provided with a recess adapted to receive the neck portion of an overlying similar shingle when the shingles are laid, the locking projection of said overlying shingle being adapted to underlap the body portion of said underlying shingle, whereby no locking projection is exposed.

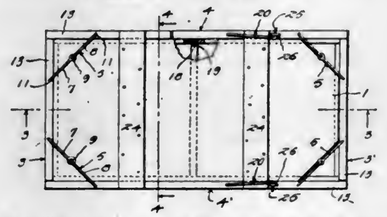
2,081,492
CREAM SEPARATOR
Allan J. McDougall, Gaylord, Mich.
Application September 7, 1935, Serial No. 39,645
1 Claim. (Cl. 210—51.5)



As a new article of manufacture, a cream sepa-

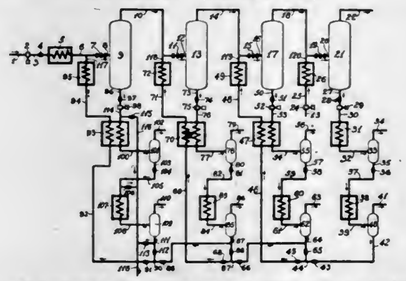
rating means comprising a relatively flat flexible disc member, an upstanding lug integral with said member and disposed centrally thereof and provided with an opening therethrough parallel with the upper surface of the member, an elongated rod provided with a U-shaped loop at its lower end, the bight of the loop engaging in said opening and the free leg of the loop being disposed parallel with the length of the rod, and a laterally extending arm integral with the free leg of the loop, said arm extending outwardly and downwardly and terminating closely adjacent the peripheral edge of the disc member.

2,081,493
COLLAPSIBLE EGG CASE
Charles McKim, Dillsboro, Ind.
Application November 16, 1935, Serial No. 50,214
2 Claims. (Cl. 217—48)



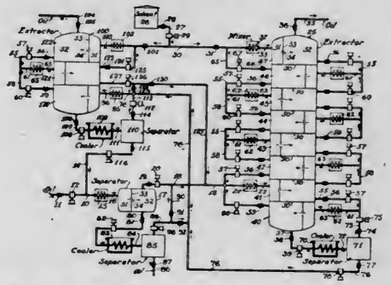
1. A collapsible egg case, comprising individual top, bottom, side and end members, and diagonal fastening members for connecting the side and end members together at the corners and at both the top and bottom of the case, each of said fastening members comprising a pair of corresponding links formed at their inner ends with hinged interlocking eyes and terminating at their outer ends in vertical portions engaging corresponding openings in the side and end members, and a transverse partition dividing the case into two corresponding compartments.

2,081,494
PROCESS FOR THE PRODUCTION OF LUBRICATING OIL
David R. Merrill, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 24, 1932, Serial No. 639,342
7 Claims. (Cl. 196—13)



1. A process for the separation of paraffinic from the non-paraffinic fractions of a hydrocarbon oil mixture which comprises extracting a raffinate from an earlier extraction stage with a solvent into a second raffinate and fractions dissolved in said solvent, cooling said solvent containing dissolved fractions to separate an insoluble fraction therefrom, removing said solvent and remaining dissolved fractions from said insoluble fraction, subsequently passing the solvent and remaining dissolved fractions to said earlier extraction stage and extracting a hydrocarbon oil mixture passing to said earlier extraction stage into a plurality of fractions.

2,081,495
PROCESS FOR THE SOLVENT EXTRACTION OF LUBRICATING OILS
David R. Merrill, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application December 5, 1933, Serial No. 701,016
9 Claims. (Cl. 196—13)



1. A process for the separation of paraffinic and non-paraffinic fractions from mineral oil containing the same which comprises extracting said oil with a selective solvent, separating insoluble raffinate from the extract phase, cooling said extract phase to separate a rejected oil therefrom, extracting said rejected oil with a selective solvent, cooling the extract phase from said last mentioned extraction to separate a rejected oil therefrom, returning the last mentioned rejected oil to said last mentioned extraction to rectify the same and returning extract phase from said last mentioned cooling to said first mentioned extraction to operate as a selective solvent therein.

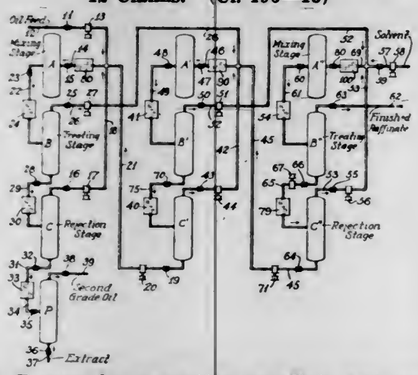
6. A process for the separation of paraffinic and non-paraffinic fractions from mineral oil containing the same which comprises extracting said oil with a selective solvent to separate an insoluble raffinate from the extract phase, cooling said extract phase to separate a rejected oil therefrom, mixing said last mentioned rejected oil with said first mentioned raffinate and extracting said mixture with a selective solvent to produce a high grade raffinate and an extract phase.

2,081,496
PROCESS FOR PREPARING PETROLEUM PLASTICS
David R. Merrill, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Original application August 25, 1931, Serial No. 559,349. Divided and this application December 24, 1934, Serial No. 758,938
9 Claims. (Cl. 196—13)

3. A process for the production of a petroleum plastic from mineral oil containing the same, which comprises extracting said oil with a selective solvent in which the aromatic fractions of said mineral oil are soluble and the paraffinic oil fractions are insoluble and thereby forming a raffinate phase comprising paraffinic oil fractions and an extract phase comprising the selective solvent and aromatic oil fractions, separating said phases, removing the selective solvent from the extract phase, distilling the extract and

separating the low boiling oil fractions from the plastic fractions present in said extract and thereby forming a plastic which is solid at ordinary atmospheric temperatures.

2,081,497
EXTRACTION PROCESS
David R. Merrill, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application January 14, 1935, Serial No. 1,597
12 Claims. (Cl. 196—13)



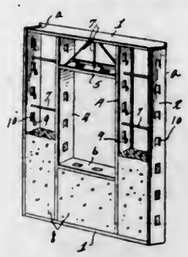
1. Process for separating paraffinic and non-paraffinic fractions in an oil containing the same which comprises passing oil in countercurrent relationship with a selective solvent in a plurality of stages arranged in a countercurrent relationship from an initial oil-feed stage to a final solvent feed stage, withdrawing a paraffinic raffinate phase from the solvent feed stage and an extract of low paraffinicity from the oil feed stage and additionally withdrawing intermediate raffinate phases and extract phases from said stages, passing the intermediate raffinate from one stage to the next succeeding stage, cooling the withdrawn intermediate extract phase to form a rejected raffinate and a remaining extract phase, returning the rejected raffinate for further extraction and passing the remaining extract phase to a preceding stage.

2,081,498
PROCESS FOR EXTRACTING MINERAL OILS WITH BASIC SELECTIVE SOLVENTS
David R. Merrill, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application January 19, 1935, Serial No. 2,583
5 Claims. (Cl. 196—13)

1. In a process of separating mineral oil into fractions relatively more paraffinic in character and relatively less paraffinic in character than the original oil with a selective solvent which is basic in character and reactive with acid constituents present in the oil, the step of neutralizing said acid constituents with an alkali prior to extraction of said oil with said basic selective solvent.

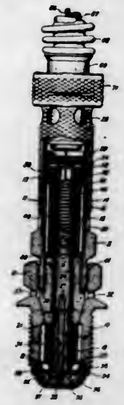
2,081,499
BUILDING STRUCTURE
Joseph S. Nagel, Anaheim, Calif.
Application November 19, 1935, Serial No. 50,599
13 Claims. (Cl. 72—1)

1. In combination with a building slab or unit, a trough-like member receiving a marginal portion of the slab or unit, said member having side flanges, means for connecting one of the side



flanges to the unit, the other flange providing means for holding the slab in position.

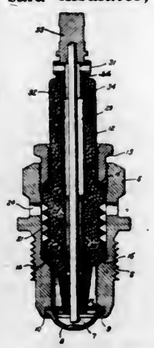
2,081,500
IGNITION APPARATUS
Edward B. Nowosielski, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application July 2, 1935, Serial No. 29,530
10 Claims. (Cl. 123—169)



1. In a spark plug adapted to receive a high tension lead, and having a central spindle and a central electrode integrated with the base of said spindle, a sleeve of high thermal conductivity surrounding said spindle, said sleeve having a flanged base resting on the upper surface of said electrode, a second sleeve of insulating material surrounding said first-named sleeve and extending beyond the upper end of said spindle, a non-metallic block resting on the upper end of said spindle to conduct current thereto, said block being of lower thermal conductivity than said first-named sleeve, and means extending beyond the upper end of said insulating sleeve to electrically connect said high tension lead with said block.

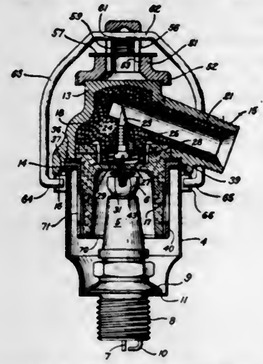
2,081,501
IGNITION APPARATUS
Edward B. Nowosielski, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application July 25, 1935, Serial No. 33,184
3 Claims. (Cl. 123—169)

1. In a spark plug, an insulator provided with an annular chamber centrally thereof, a second annular chamber extending below said first-named chamber and separated therefrom by the interposition of said insulator, and means for



facilitating circulation of separate air currents in each of said chambers.

2,081,502
IGNITION APPARATUS
Edward B. Nowosielski, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application November 5, 1935, Serial No. 48,415
3 Claims. (Cl. 123—169)



1. A shield for a spark plug and cable conductor comprising a lower shielding member surrounding the plug, an upper shielding member surrounding and receiving the cable conductor, a conducting member connecting said cable conductor and plug, a heat resisting insulator surrounding said conducting member and the upper part of the plug, a metallic cup enclosing said insulator, said cup having a rim contacting said upper shielding member, and a second member of heat resisting material interposed between said cup and lower shielding member.

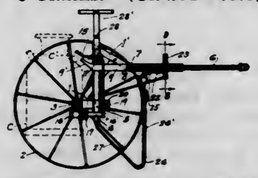
2,081,503
IGNITION APPARATUS
Edward B. Nowosielski, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application November 5, 1935, Serial No. 48,416
9 Claims. (Cl. 123—169)

1. A radio shield for spark plugs comprising an outer wall and a cap including a neck portion received within the upper end of said outer wall and a mass of moulded insulation material in said cap adapted to receive an electrical conductor, said insulating material terminating below the lower end of said cap and a heat radi-



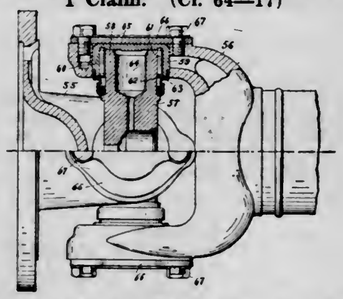
ating tube within said outer wall and surrounding the lower end of said mass of insulating material.

2,081,504
CONVEYING APPARATUS
Clyde H. Quick, Springfield, Ohio
Application June 3, 1936, Serial No. 83,321
6 Claims. (Cl. 214—65.4)



1. In a conveying apparatus of the character described, a wheeled frame, a pair of vertically-extending guides one on each side of said frame and rigidly fixed thereto, a vertically movable shaft extending across said frame and guided by said guides, an article carrier connected with said shaft, means fixedly connected with said carrier to engage an article to be conveyed, and means for raising said shaft.

2,081,505
UNIVERSAL JOINT
Joseph E. Padgett, Toledo, Ohio
Application April 2, 1932, Serial No. 602,730
1 Claim. (Cl. 64—17)



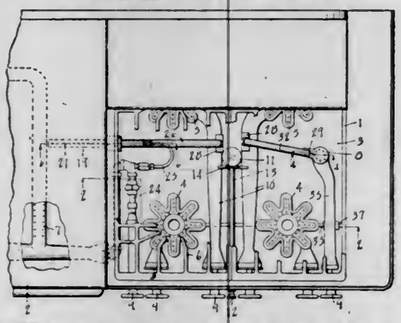
In a universal joint having trunnions, bearings for said trunnions, each bearing comprising a cap member of hollow cylindrical form provided with one end wall and adapted to be entered with a close fit through an opening provided in one of the members of the joint, the side walls of said

cap member serving to furnish radial bearing support and the end wall serving to furnish end thrust bearing support for the trunnion received in the cap member, the cap member being suitably secured to the joint member, rollers disposed inside the cap member between the side walls thereof and the trunnion for anti-friction radial bearing support of the trunnion, means on the lower end of the cap member to retain the rollers, and a ring mounted on the outside of the cap member at its lower end on a reduced portion thereof and serving to enclose and support the last mentioned means, said ring being small enough in outside diameter to be entered freely with the cap member through the opening in the joint member.

2,081,506
PROCESS FOR PRODUCING ALIPHATIC CARBONYL COMPOUNDS
Hermann Prückner, Chemnitz, Germany, assignor, by mesne assignments, to Böhme Fettchemie-Gesellschaft mit beschrankter Haftung, Chemnitz, Germany
No Drawing. Application September 23, 1933, Serial No. 690,768. In Germany July 15, 1931
5 Claims. (Cl. 260—138)

1. A process for producing aliphatic carbonyl compounds which comprises heating a solution in an inert organic solvent of a calcium salt of a fatty acid and calcium formate.

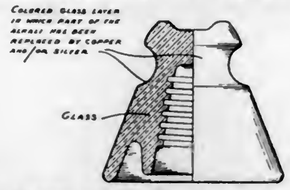
2,081,507
GAS STOVE
Alfred J. Reedy, Battle Creek, Mich., assignor to A-B Stove Company, Battle Creek, Mich., a corporation of Michigan
Application January 2, 1930, Serial No. 417,916
2 Claims. (Cl. 158—115)



2. The combination in a gas stove, of front and rear pairs of open top cooking burners, the rear burner having inlet tubes disposed in side by side relation between the front burners, a flash pilot disposed centrally relative to said burners and between the said rear burner inlet tubes, and a supporting bracket for said flash pilot engaged with the said inlet tubes.

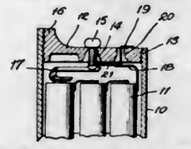
2,081,508
INSULATOR HAVING HIGH SURFACE RESISTANCE AND METHOD OF MAKING IT
William W. Shaver, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application May 2, 1934, Serial No. 723,613
6 Claims. (Cl. 173—28)

1. An insulator having a glass surface, an area of which is stained with a metal of the group consisting of copper and silver, said stained area



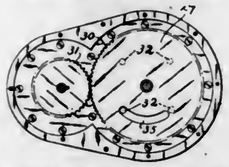
having a higher electrical resistance than the unstained area.

2,081,509
GENERAL CONTAINER AND CLOSURE AND TOOTHED ARTICLE THEREFOR
Martin Simsinovici, Paris, France
Application April 6, 1933, Serial No. 664,820
In Canada December 27, 1932
4 Claims. (Cl. 229—5.5)



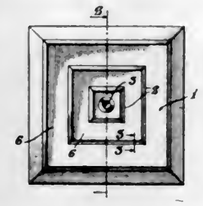
1. In combination, a container including a wall, a closure member fitted in said container and provided with relatively wide edges lying in facial contact with the inner surface of the container walls, undulations on substantially the entire edge surface of the closure member defining a plurality of depressions therein, the material of the container being pressed into the depressions of the cover member to secure the latter in position.

2,081,510
DISTRIBUTING VALVE
Kenneth R. Smart, Highland Park, Mich.
Application June 28, 1934, Serial No. 732,771
4 Claims. (Cl. 137—146)



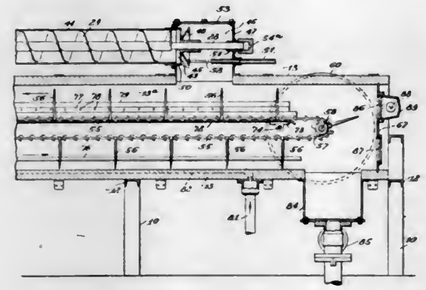
1. In an automatic distributing valve for successively directing a supply of fluid under pressure to different outlets, in combination with a casing having inlet chamber and a valve chamber and including a partition dividing said chambers and provided with a plurality of valve inlet ports, said valve chamber having a plurality of outlet ports, aligned with the inlet ports, a valve member rotatable between the inlet and outlet ports and having an elongated orifice successively registrable with different pairs of said aligned ports, to connect the inlet chamber with different outlet ports, a rotor member in the inlet chamber and drivable by fluid flow therethrough, the rotor shaft extending through the valve chamber and from the casing, a driving gear on said shaft within the valve chamber, the valve being peripherally toothed and meshing with and drivable by said gear, whereby the valve and rotor are drivable either by fluid flow through the inlet chamber or by an external source of power applied to the projecting extremity of said shaft.

2,081,511
GOLF PUTTING DEVICE
Orville Smith, Cleveland, Ohio
Application June 28, 1934, Serial No. 732,872
5 Claims. (Cl. 273—35)



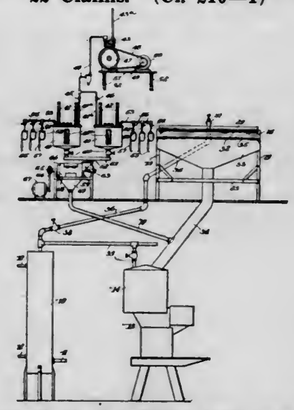
1. An article of the character described, having in combination a substantially flat body member providing a golf putting area, a ball receiving central space on said member, said body member being recessed to present a plurality of ribbed areas positioned in substantially concentric relation between the outer margin of said body member and said central space.

2,081,512
APPARATUS FOR PREPARING FOOD SUBSTANCES
William A. Smith, Lyndonville, N. Y.
Application May 21, 1935, Serial No. 22,590
19 Claims. (Cl. 53—18)



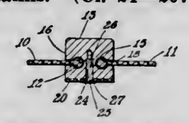
1. An apparatus for treating food substances, comprising an elongated container having an inlet for the material adjacent one end thereof, means overlying the container and extending longitudinally thereof for a considerable portion of its length and operating to advance the material to said inlet and to mix it during advancement thereof, means extending longitudinally within the container for the greater portion of its length adapted to receive the material discharged thereto through said inlet, a valve for controlling said inlet adapted to be opened by a predetermined pressure of the material thereon, means for automatically closing the valve upon a reduction in the pressure of the material below that required to open the valve, a continuous conveyor operable within the container to move the material on said means from the receiving end thereof and to discharge it therefrom at its opposite end, said conveyor also operating to return the discharged material to the inlet end of the container, means for directing a plurality of jets of steam into the material during movement thereof on and beneath said material receiving means, and tensioning means for the conveyor operable from the exterior of the container.

2,081,513
METHOD OF AND APPARATUS FOR REFINING FRUIT SAUCES
William A. Smith, Lyndonville, N. Y.
Application December 27, 1935, Serial No. 56,356
22 Claims. (Cl. 210—1)



3. The method of refining fruit sauces, comprising flowing the sauce in a thin film or layer on a supporting surface, employing one or more suction nozzles to remove the foreign particles and sauce contiguous thereto while flowing the sauce on said surface, and screening the material thus removed to separate the sauce from the foreign particles.

2,081,514
SLIDE FASTENER
Josephine Spielberger, Jamaica, N. Y.
Application December 4, 1936, Serial No. 114,096
4 Claims. (Cl. 24—207)



1. In a slide fastener having a pair of substantially flexible tapes or the like adapted to be united and separated, and a bead extending along one of the marginal edges of each tape, a plurality of fasteners slidably carried by said tapes, each of the fasteners having a longitudinal aperture adjacent to each side wall thereof and adapted to receive the bead along the edge of the tape, each side wall also having a longitudinal slot of lesser width than the diameter of the aperture extending between said aperture and the side wall, each of the fasteners having an aperture extending inwardly from the rear surface thereof, a tape adapted to draw the fasteners along the beaded tapes to open or closed position, means for securing the fasteners to the tape in spaced relation, said means comprising a pin positioned in said second-mentioned aperture in each fastener, the pin having a head adapted to engage the tape, the head being of sufficient diameter to engage a considerable portion of the tape and securely join same to the fastener.

2,081,515
NEEDLE
Refugio Trejo, New York, N. Y.
Application November 19, 1930, Serial No. 496,638
Renewed September 10, 1934
14 Claims. (Cl. 66—117)

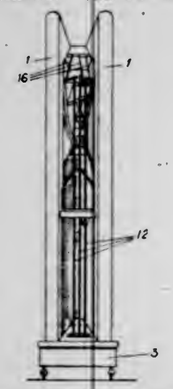
1. A needle comprising a shank, a hook, pivoted

means for retaining a thread above and outside said hook and for delivering the thread from the



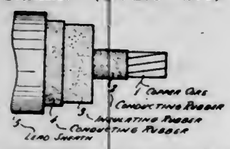
retaining means onto the outer surface of said hook.

2,081,516
HARP-LIKE POLYPHONE POLYCHORD MUSICAL INSTRUMENT
Evangelos Themistokleous Tsamourtzi, Athens, Greece
Application November 21, 1935, Serial No. 50,965
In Greece December 1, 1934
12 Claims. (Cl. 84—173)



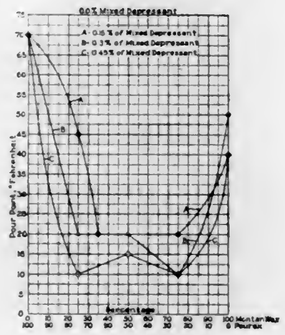
1. A harp-like musical instrument, comprising two substantially vertical wings of resonating material, the said wings being disposed in the manner of a V with the dihedral angle therebetween ranging from 0 to 90°, open metal frames secured to each wing on the outer face thereof, tunable strings disposed on the said frames according to a chromatic diatonic scale, and a V-shaped hollow sounding box disposed snugly in the V of the said wings, with the apex of the V of said sounding box extending towards the apex of the wings.

2,081,517
CONDUCTING RUBBER AND ITS APPLICATION
Hendrik Adriaan Marius van Hoffen, Amsterdam, Netherlands, assignor to Naamlooze Vennootschap Hollandsche Draad-en Kabelfabriek, Amsterdam, Netherlands, a corporation of the Netherlands
Application May 20, 1932, Serial No. 612,617
In the Netherlands September 16, 1931
10 Claims. (Cl. 173—264)



1. In the manufacture of insulated electric conductors the process which comprises applying to a conductor a solution of rubber containing a conducting substance suspended therein, indurating such solution to form around the conductor a layer of unvulcanized conducting rubber and vulcanizing said rubber layer.

2,081,518
LOWERING POUR POINT OF OIL
Maner L. Wade, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 4, 1934, Serial No. 742,625
5 Claims. (Cl. 87—9)



1. A composition of matter comprising a wax bearing mineral oil blended with 0.15% to 0.45% of a mixture of Montan wax and a condensation product obtained by reacting an aromatic hydrocarbon with a chlorinated aliphatic hydrocarbon in the presence of a metallic halide of the Friedel-Craft catalyst type.

2,081,519
METHOD OF SEPARATING WAX FROM OIL
Maner L. Wade, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application August 6, 1935, Serial No. 34,921
11 Claims. (Cl. 196—19)

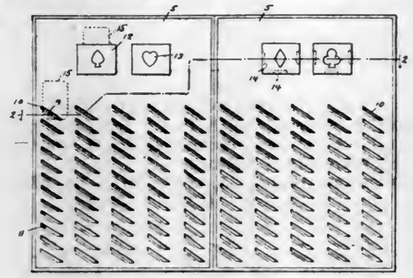
1. In the art of separating wax from a wax-containing oil, the step of preparing the oil for separation of the wax which comprises adding thereto a condensation product obtained by reacting an aromatic hydrocarbon with a chlorinated aliphatic hydrocarbon in the presence of a metallic halide of the Friedel-Craft catalyst type and one of the members selected from the group of a montanic alcohol ester of montanic acid, carnauba wax, copal, and Montan wax.

2. In the art of separating wax from a wax-containing oil, the step of preparing the oil for the separation of the wax which comprises adding to the waxy oil Montan wax and one of the members selected from the group of cracked petroleum pitch, extract from cracked pitch, cracked petroleum distillate, and a polymerization product obtained by voltalization.

2,081,520
GAME APPARATUS
Rudolph C. Warner, West Palm Beach, Fla.
Application March 30, 1936, Serial No. 71,750
1 Claim. (Cl. 273—148)

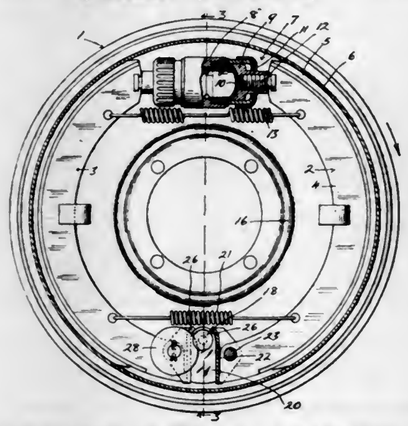
A game board for playing games using a conventional deck of cards, said game board having a plurality of spaced rows of vertically spaced diagonal slits cut therein, said game board at the lower edge of each slit being offset outwardly to form a plurality of card receiving pockets, said slits being adapted to be selectively used for receiving the corner portion of card for holding

the card in predetermined position on said game board and a backing for the game board having



portions exposed by certain of the slits of contrasting colors.

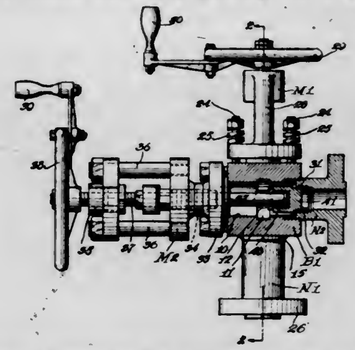
2,081,521
BRAKE CONSTRUCTION
John William White, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application March 27, 1933, Serial No. 663,082
3 Claims. (Cl. 188—78)



2. In a brake construction, a brake drum, a pair of brake shoes engageable with said drum, a single actuator for said shoes, an anchor pin diametrically opposite said actuator, a swinging member mounted on said anchor pin, abutment members pivotally mounted on adjacent ends of said shoes and located at opposite sides of and freely abutting said swinging member, and co-operating means for normally holding said swinging member and at least one of said shoes in alignment.

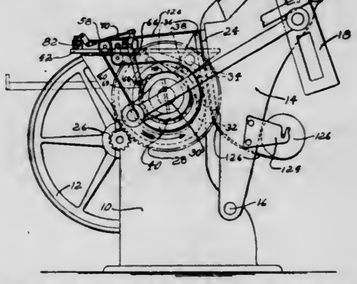
2,081,522
VALVE CONSTRUCTION
David Robert Yarnall, Philadelphia, Pa., assignor to Yarnall-Waring Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 5, 1935, Serial No. 34,662
Renewed March 19, 1937
8 Claims. (Cl. 277—67)

1. A body for a tandem valve formed with a plurality of laterally spaced valve bores, one of which is laterally enlarged along an intermediate portion of its length and the body having a passage connecting the bores at the enlargement, the body formed at one end of each bore for an interchangeable connection respectively with a nozzle mounting a valve seat at its connection end, and with a nozzle mounting packing for a seatless



valve and formed at the other end of each bore for an interchangeable connection respectively with a seat valve and a seatless valve.

2,081,523
AUTOMATIC FEED FOR PRINTING MACHINES
Arthur G. Baker, Dearborn, Mich., assignor to Simplex Automatic Press Feeder Corporation, Dearborn, Mich., a corporation of Michigan
Application June 25, 1934, Serial No. 732,276
2 Claims. (Cl. 101—288)



2. A frame comprising a pair of side plates, a roller rotatably mounted on said frame, a lever pivotally supported on said frame, a roller on one end of said lever over the first named roller, a gripping member on said frame movable relative thereto, the opposite end of said lever operatively engaging said gripping member to cause relative movement between said rollers by the relative movement of said gripping member and said frame, and a lever pivoted on said frame for moving said gripping member, said mechanism being a unitary structure and adapted to be detachably secured to a support.

2,081,524
PROCESS FOR SOLVENT EXTRACTION OF PETROLEUM FRACTIONS
Charles Douglas Barnes, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application October 27, 1934, Serial No. 750,382
15 Claims. (Cl. 196—13)

1. In a process for separation of nitrogen bases into groups having highly aromatic and non-

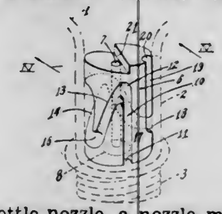
aromatic characteristics, the step of selectively extracting said bases with a selective solvent and an acetamide, said extraction being conducted at a temperature above the miscibility temperature of the base-solvent mixture.

11. A process for the separation of petroleum fractions into their constituent components by means of a selective solvent, the step of raising the miscibility temperature of the solvent-petroleum mixture by addition thereto of an organic amide consisting of acetamide thereby permitting phase separation at higher temperatures.

2,081,525

BOTTLE NOZZLE

Phoebus Berman, Los Angeles, Calif.
Application January 4, 1935, Serial No. 341
4 Claims. (Cl. 215—79)

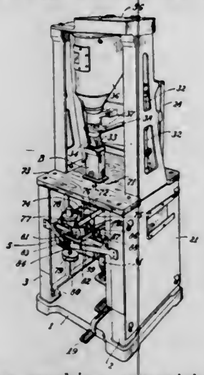


1. In a bottle nozzle, a nozzle member insertable into the outlet opening of a bottle to completely fill the same, said nozzle member having a tortuous groove extending about the exterior of said member, one end of said groove communicating with one end of said member, the opposite end of said groove communicating with the opposite end of said member, and an enlargement of said groove between the ends thereof constituting a liquid seal through which air passing through said groove will be filtered.

2,081,526

FILLING MACHINE

Edgar W. Bleam, Philadelphia, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 3, 1934, Serial No. 723,687
8 Claims. (Cl. 249—55)

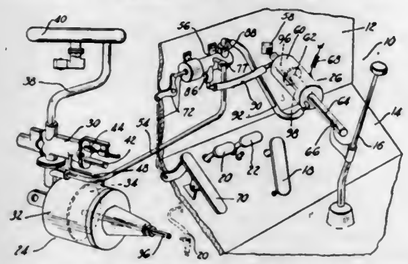


1. A filling machine comprising means providing a path for discharge of material, structure movable to block said path, second structure movable partially to obstruct said path, a scale for supporting a container to receive the discharged material, a one-time clutch, mechanism operated when said clutch is tripped to effect movement of said first structure from blocking position and of said second structure to its partial obstructing position to allow first rapid and then slow discharge of material to said container, and means responsive to balance of said scale to return said structures to their previous positions.

2,081,527

GEAR SHIFTING MECHANISM

Robert P. Breese, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 25, 1933, Serial No. 686,723
7 Claims. (Cl. 192—3.5)



1. In an automotive vehicle provided with an engine, a clutch, a drive shaft and a selective gear transmission interconnecting said clutch and shaft, engine operated vacuum power means for controlling the operation of the clutch and transmission including a distributor for controlling the operation of the transmission by said power means, and a manually operable element for jointly controlling the power operation of both the clutch and transmission, said power means comprising a pressure differential operated motor operatively connected to said transmission, means normally operative to bias said motor to a position to insure either a second or high gear operation of said transmission, and means operative to overcome said biasing means to permit of either a low or reverse gear operation of the transmission.

2,081,528

WETTING AGENTS FOR THE USE IN MERCERIZING LYES

Karl Brodersen, Dessau in Anhalt, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application October 16, 1935, Serial No. 45,315. In Germany July 25, 1930
5 Claims. (Cl. 8—20)

1. A process for improving the wetting capacity of mercerizing lyes which comprises adding to the lye an alkali metal salt of an acid corresponding to the general formula

$$\text{alkyl—N(}x\text{)—CH}_2\text{·COOH}$$

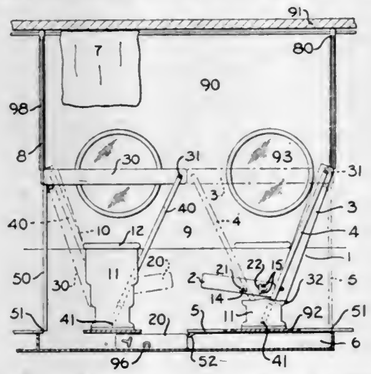
in which x means a radical of the group consisting of hydrogen and alkyl and wherein the complex alkyl—N—CH_2·COOH does not contain more than 10 carbon atoms.

2,081,529

AIRPLANE SLEEPING BERTH ARRANGEMENT

Frank R. Canney, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application January 2, 1936, Serial No. 57,146
13 Claims. (Cl. 244—118)

4. An airplane sleeping berth arrangement for installation in an airplane cabin including a side wall and an upper wall formed on a curve of large radius, comprising two facing seats supported adjacent the side wall, two floor panels having abutting edges, disposed each beneath one of said seats, and each hingedly mounted along its distant edges to swing upwardly to define the end partition of a lower berth space, each seat including a seat back and means supporting the upper edge of such back for swinging movement of its lower edge about an axis disposed at about the level of the upwardly swung

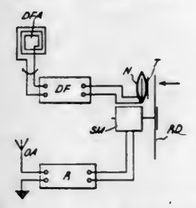


edge of the floor panel, and distant therefrom, means interengageable between the upwardly swung lower edge of each seat back and the upwardly swung edge of its floor panel to support both in such upwardly swung position, the upper edges of the two seat backs, in such position, abutting in coplanar relation to constitute an upper berth, a track formed on the curved upper wall of the cabin, at each end of such upper berth, and a partition having an edge curved to be received in each such track to constitute the end partitions of the upper berth space.

2,081,530

WIRELESS DIRECTION FINDING SYSTEM

Harry Melville Dowsett, Winchmore Hill, London, and Robert Cadzow, Ardentinny, England, assignors to Radio Corporation of America, a corporation of Delaware
Application September 28, 1933, Serial No. 691,362
In Great Britain October 5, 1932
11 Claims. (Cl. 250—11)

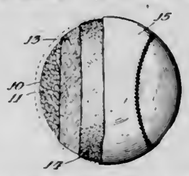


1. A wireless direction finding system comprising a receiver having a directional aerial, a plurality of transmitting stations located in different directions with respect to the location of said receiver, means common to said transmitting stations for causing each in succession to transmit signals for predetermined cyclic periods, synchronizing means at the receiver actuated in dependence upon the rate of change of the signal transmission from one transmitting station to another for enabling said receiver to respond differentially to said signals according to the source thereof, and means connected with said receiver for indicating the response thereof to signals from the particular transmitting station toward which the aerial is directionally oriented.

2,081,531

SOFT BALL

Albert E. Fegan, Chicago, Ill., assignor to Geo. Young & Co., Chicago, Ill., a corporation of Illinois
Application October 21, 1935, Serial No. 45,903
2 Claims. (Cl. 273—58)

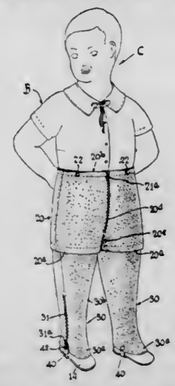


1. A soft ball comprising a spherical core composed of small particles of resilient material and a binder pressed together and dried, said core being almost as large in diameter as the finished ball, a wrapping of yarn just sufficient to cover the core, a layer of latex adhering to and covering the outer wrappings of the yarn and penetrating the wrapping at points to unite it to the core, and an outer cover enclosing the whole and frictionally engaged by said latex covering.

2,081,532

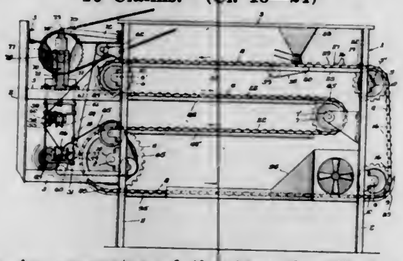
CHILD'S WEARING APPAREL

Max Fisch, New York, N. Y., assignor of one-half to Elbert Reshower, New York, N. Y.
Application April 28, 1936, Serial No. 76,729
2 Claims. (Cl. 2—227)



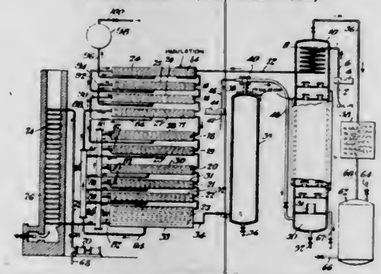
1. Wearing apparel comprising a body portion having a size self-adjusting waist band, a crotch and leg portions, separate leggings adapted to cover the limbs of the wearer, said leggings each having an upper extension extending under said leg portion, each extension having substantially the same diameter as the opening of the leg portion, said extension having a size self-adjusting section normally located below the level of the waist band and above the level of the opening of the leg portion, an adjustable garter extending along the inner side of each leg portion, said garter having one end attached to the waist band and the other end attached to the legging extension for securing the garter to support the legging from the waist band.

2,081,533
APPARATUS FOR MAKING ARTICLES
Joseph C. Ford and John Einar Olson, Madison, Wis., assignors to The Celon Company, Madison, Wis., a corporation of Wisconsin
Application August 17, 1933, Serial No. 685,578
16 Claims. (Cl. 18—24)



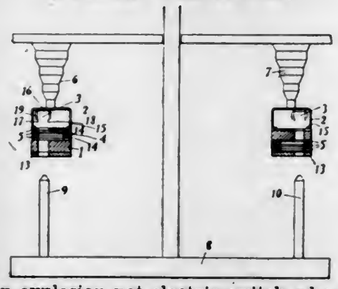
2. An apparatus of the type described comprising constantly movable chains, molds translated by said chains, means for rotating the molds across the surface of the substance to be coated with the substance while being translated, means for regenerating the substance on the molds to form tubes, means for holding the molds stationary and stripping the tubes therefrom, means for removing the molds from the chains while being stripped, and means for moving the molds to position on the chains to be again translated.

2,081,534
ART OF CRACKING MINERAL OILS
Chauncey B. Forward, deceased, late of Urbana, Ohio, by Laura W. Forward, executrix, Urbana, Ohio, assignor to Forward Process Company, Dover, Del., a corporation of Delaware
Application June 29, 1934, Serial No. 732,966
9 Claims. (Cl. 196—5.8)



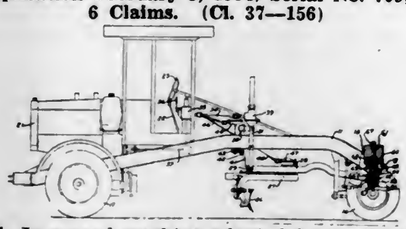
1. The process of producing a high anti-knock motor fuel product of the type of gasoline containing in excess of 75% aromatic hydrocarbons by cracking petroleum oil distillates of higher boiling point, which comprises passing the distillate to be cracked at a superatmospheric pressure of several hundred pounds per square inch continuously, uninterruptedly and without separation of any of its constituents in a confined rapidly flowing stream of restricted cross section and heating the distillate to a temperature of from 950° to 1050° F., heating and maintaining the stream of distillate at approximately its attained temperature for a substantial period of time sufficient to convert in excess of 40% of the oil of said stream per pass into lower boiling point products boiling within the gasoline range and for a time sufficient to initiate and carry out a predominant exothermic reaction in the oil constituents, controlling the temperature of the oil stream during the continuance of said exothermic reaction so as to prevent a rise in temperature above approximately 1050° F., thereafter discharging the highly heated products into an enlarged reaction chamber in which said exothermic reaction is permitted to continue entirely in the vapor phase, discharging the converted products from said enlarged chamber and cooling and fractionating the same to recover the desired motor fuel product containing in excess of 75% aromatic hydrocarbons.

2,081,535
EXPLOSION POT ELECTRIC SWITCH
Charles Cornfield Garrard, Sutton Coldfield, Birmingham, England, assignor to The General Electric Company Limited, London, England
Application July 7, 1936, Serial No. 89,328
In Great Britain July 24, 1935
3 Claims. (Cl. 200—150)



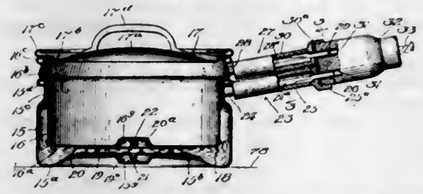
1. An explosion pot electric switch wherein the explosion blasts of individual pots of a plurality of associated pots occur in succession, comprising at least two associated explosion pots, explosion blast means for the respective pots, an arcing contact mounted within each explosion pot, the blast means and contact of the respective pots being relatively spaced apart different distances in the associated pots so that the explosion blasts will occur in succession and separable arcing contacts for cooperation with the contacts in the respective explosion pots arranged to be simultaneously separated from the corresponding pot contacts and thereafter withdrawn through the explosion blast means of the pots so that arcs established between the cooperating contacts are subjected to the explosion blasts in succession.

2,081,536
ROAD MACHINE
Carl A. Gustafson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application February 5, 1934, Serial No. 709,832
6 Claims. (Cl. 37—156)



1. In a road machine adapted for road maintenance work, a frame having earth-working means supported therefrom for movement therewith, ground-engaging means supporting the front end of said frame and having a solid connection with said frame, a weight, and yieldable means mounting said weight on said frame adjacent said ground-engaging means.

2,081,537
LIQUID CONDUCTOR HEATER
Marshall W. Hanks, Madison, Wis.
Application February 15, 1934, Serial No. 711,317
7 Claims. (Cl. 219—40)



1. The combination in a liquid conductor heater, of a pair of vessels nested one within the other and having metallic portions spaced apart to serve as electrodes, one of said vessels being adapted to contain a liquid conductor for connecting said electrodes, means for connecting said vessel in an electric circuit, and means for preventing the operation of said connecting means when said vessels are not in proper nested relation to each other.

2,081,538
DECORATIVE ARTIFICIAL PRODUCT
Fred J. Hoarle, Newark, N. J., assignor to Celluloid Corporation, a corporation of New Jersey
Application June 26, 1934, Serial No. 732,479
18 Claims. (Cl. 41—21)

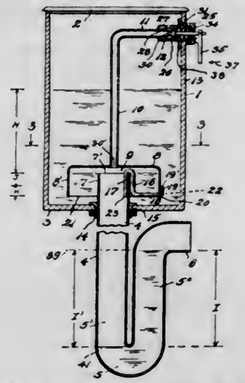


1. Method of forming a decorative laminated article containing a base sheet and a transparent surface sheet of plastic material, which comprises applying a cement to the base sheet, placing thereon a material comprising thin metallic threads, superposing the surface sheet, at least the contacting face of which is in a softened condition, on the thin metallic threads and subjecting the assembly of base sheet, thin metallic threads and surface sheet to heat and pressure, whereby the thin metallic threads are pressed in such a manner as to exhibit a scintillating effect.

11. Decorative material comprising a base containing a derivative of cellulose, a transparent surface sheet containing a derivative of cellulose and an intermediate layer of a material comprising thin metallic threads, the base and the surface sheet being united to each other through the interstices of the intermediate layer, and the thin metallic threads being so arranged as to exhibit a scintillating effect.

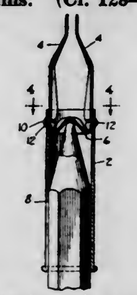
2,081,539
FLUSH TANK
Steven Horvath, Dearborn, Mich.
Application September 26, 1935, Serial No. 42,315
5 Claims. (Cl. 4—43)

1. A device of the character described, comprising, in combination, a tank, a discharge conduit operatively associated with said tank and extending into the latter, an air chamber adjacent said discharge conduit, an air control valve, an air conduit interconnecting said air chamber and air control valve, the air chamber and discharge conduit forming a main siphon for discharging water from the said tank upon operation of the air control valve, and an auxiliary siphon member between the discharge conduit



and said tank for controlling the operation of the main siphon and for restoring the same into operative condition subsequent to the water discharging operation, irrespective of an interruption of the operation of the main siphon.

2,081,540
PENCIL ATTACHMENT
Ferdinand G. Hosselet, New York, N. Y.
Application December 29, 1936, Serial No. 118,045
7 Claims. (Cl. 128—354)

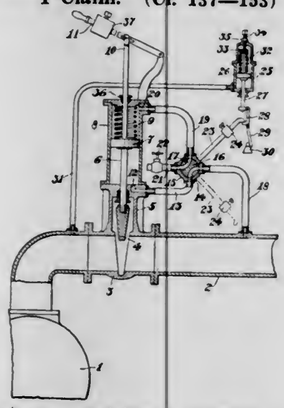


1. A pencil attachment comprising a sleeve adapted to be placed on one end of a pencil, and a pair of tweezers comprising spring arms and a base portion connecting said arms, said base and lower portions of said arms extending into one end of said sleeve so as to close said end, said sleeve having an outwardly projecting bead formed therein and the lower portions of said spring arms having corresponding projections received in said bead and held therein by the tension of said spring arms, and said spring arms being held under tension by the engagement of the lower portions thereof with the end of the sleeve.

2,081,541
PROCESS FOR SOLIDIFYING SOILS
Hugo Joosten, Berlin-Schoeneberg, Germany
No Drawing. Application August 11, 1936, Serial No. 95,490. In Germany March 19, 1935
12 Claims. (Cl. 61—36)

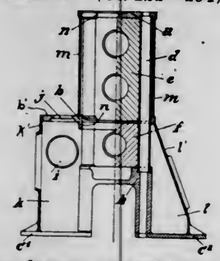
1. A process of solidifying and tightening sandy masses, loose soils, building structures and parts of such structures which comprises introducing into the mass to be treated a labile solution of a material containing silicic acid and ammonia, and a gas for expelling the ammonia from said labile solution.

2,081,542
CONTROLLING APPARATUS
Carleton B. Kidney, West Brighton, Staten Island, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application January 30, 1935, Serial No. 4,004
1 Claim. (Cl. 137—153)



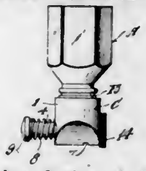
Apparatus comprising a conduit to receive a pressure fluid, a valve to close the conduit when the pressure of the fluid fails, a motor to actuate the valve, ducts diverting fluid from the conduit to the motor to operate the latter, a second valve in the ducts governing the admission of fluid to the motor, said second valve having a weighted arm affixed thereto for moving the same, means including a latch engageable with the arm, said means being dependent upon normal pressure fluid to hold the arm and latch in engagement and thereby hold the arm and second valve in a substantially fixed position, said means also including a member tending to disengage the latch and arm, whereby when said pressure fails said member effects disengagement of the latch and arm, the arm upon disengagement with the latch operating freely to immediately alter the position of said second valve to cause the motor to actuate the first valve to closing position.

2,081,543
ENGINE FRAME
Heinrich Köhler, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany, a corporation of Germany
Application January 16, 1933, Serial No. 652,002
In Germany January 20, 1932
11 Claims. (Cl. 121—194)



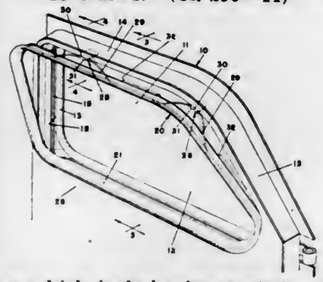
1. An engine frame comprising spaced rows of uprights arranged in pairs one laterally opposite another, relatively spaced upper and lower longitudinally extending horizontal plates welded to said uprights and provided with holes adapted for the location of engine cylinders, a pair of laterally spaced horizontal base plates provided a distance below said uprights, supporting members each welded to and supported by said base plates and supporting and welded to the lower ends of opposed uprights, and tension rods securing said base plates, supporting members, uprights and upper plate together.

2,081,544
DEVICE FOR MEASURING AND DISPENSING FLOWING MATERIALS
Stephen J. Krivig, Irvington, N. J., assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
Application August 3, 1936, Serial No. 93,933
10 Claims. (Cl. 221—104)



1. In a measuring device of the character described, the combination of a casing having a supply opening to receive material and a discharge opening, a measuring element in said casing having a transverse cylindrical passage forming a measuring chamber having a diameter substantially less than that of said measuring element to register alternately with said supply and discharge openings upon relative movement of said casing and measuring element in opposite directions, and a movable member in said measuring element having a cylindrical portion projecting into said measuring chamber transversely thereof to vary the capacity of said chamber, said movable member having its axis in a common plane with the axis of said measuring chamber and said cylindrical portion having a cross-sectional area at least as great as that of said chamber.

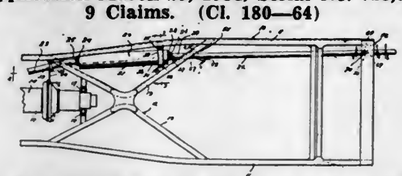
2,081,545
VEHICLE BODY CONSTRUCTION
Guy M. Lane, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application January 14, 1935, Serial No. 1,742
13 Claims. (Cl. 296—44)



1. In a vehicle body having a window opening in one side thereof and having body structure adjacent the opening, a molding frame for the window opening, means for securing one side of the molding frame at one side thereof in wedging relation to a portion of the body to prevent horizontal displacement of the frame, and cooperating engaging means on another side of the molding frame and associated body structure

permitting the molding frame to shift relative to the window opening as the same is secured by the aforesaid means and also operable to prevent horizontal and vertical displacement of the frame.

2,081,546
MUFFLER MOUNTING
Earle S. MacPherson, Grosse Pointe Park, Mich., assignor to Hupp Motor Car Corporation, Detroit, Mich., a corporation of Virginia
Application March 29, 1934, Serial No. 718,057
9 Claims. (Cl. 180—64)

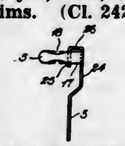


1. In a motor vehicle, the combination with a frame, an internal combustion engine mounted upon the frame for rocking movement relative thereto, of a muffler assembly including a muffler connected to the engine and movable in response to rocking movement of the engine, a connection between the muffler and frame embodying means possessing sufficient flexibility to afford relatively free displacement of the muffler with respect to the frame under the influence of the forces rocking the engine and embodying additional means for maintaining the muffler in assembled relation with the frame in the event of failure of said first named means.

2,081,547
THERAPEUTIC AGENT
Albert O. Mattheus, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 14, 1934, Serial No. 711,277
9 Claims. (Cl. 167—68)

1. A therapeutic agent having in the form of its aqueous solution a pH value more than 4 and having the formula $M_xFe_2(C_6H_4O_7)_3H_y$ where M is an alkali metal, x is more than 3 and $x+y=6$.

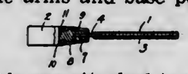
2,081,548
THREAD GUIDE
Michael J. McHale, Scranton, Pa.
Application July 2, 1936, Serial No. 88,658
3 Claims. (Cl. 242—157)



1. A thread guide for winding machines, comprising a base portion and a thread receiving portion, the base portion having a recess extending therethrough perpendicular to the longitudinal axis of the guide and a groove, in the end of the base portion, parallel to said recess.

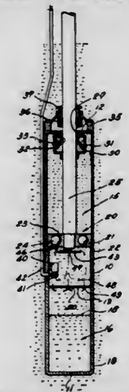
2,081,549
THREAD GUIDE
Michael J. McHale, Scranton, Pa.
Application August 7, 1936, Serial No. 94,861
10 Claims. (Cl. 242—157)

1. In a thread guide device for winding machines, the combination of a support arm having a support engaging portion and a free end adapted to receive a guide eye, a looped member attached to the support arm in proximity to its free end, comprising a base portion and two arms extending outwardly therefrom terminating in free ends, the arms and base portion being co-



planar, a guide eye attached to the support arm comprising a base portion and a thread receiving portion, a recess longitudinally of the base portion forming a seat for the free end of the arm and grooves in the body portion to receive the arms of the loop.

2,081,550
BEARING
Earl Mendenhall and Junius B. Van Horn, Los Angeles, Calif., assignors, by mesne assignments, to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application September 26, 1932, Serial No. 634,910
14 Claims. (Cl. 308—36.1)



3. In a submersible bearing structure, the combination of: a shell submerged in water and containing a lubricating liquid; a shaft extending from said shell; sealing means at the junction of said shaft and said shell; heating means for separating any intermixture of said water and said lubricating liquid formed in said shell; and means responsive to the amount of said water intermixed with said lubricating liquid for controlling said heating means to heat said intermixture when the proportion of water therein increases.

2,081,551
ELECTROPROCESSING MACHINE
Constantine G. Miller, Chicago, Ill., assignor to The Meaker Company, Chicago, Ill., a corporation of Illinois
Application October 25, 1934, Serial No. 749,946
11 Claims. (Cl. 204—5)

1. In an electroprocessing machine, a vertically movable work carrier, a follower member thereon, a movable transfer member having a contact portion adapted to engage said follower member, means for moving said transfer member to raise and lower said work carrier, and means for moving said contact portion relative to said transfer member during the movement of said transfer member, said last-mentioned means being arranged to maintain an angular relationship between said contact portion and said

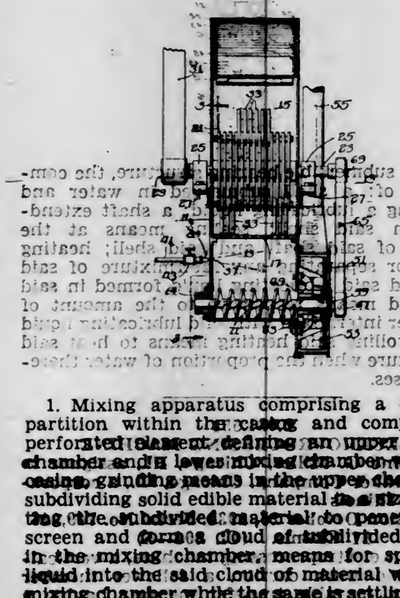
follower member which is relatively constant in comparison with the changing angle between said carrier and said transfer member during the working strokes thereof.

2,081,552

MIXING APPARATUS

Elias G. Myers, Toledo, Ohio, assignor to The Myers-Sherman Company, Chicago, Ill., a corporation of Ohio

Application October 14, 1935, Serial No. 44,910
4 Claims. (Cl. 259—9)



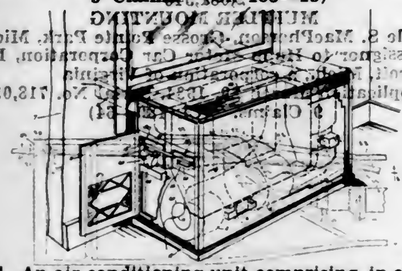
1. Mixing apparatus comprising a casing, a partition within the casing and comprising a perforated element defining an upper grinding chamber and a lower mixing chamber within the casing, grinding means in the upper chamber for subdividing solid edible material to a size permitting the subdivided material to penetrate the screen and form a cloud of subdivided material in the mixing chamber, means for spraying a liquid into the said cloud of material within the mixing chamber while the same is settling whereby to impregnate the subdivided material within said mixing chamber, said mixing chamber having walls converging downwardly to form a receiving trough into which the impregnated particles may drop, means for removing the impregnated and settled feed mix from said trough, and means for reducing pressure in said mixing chamber to facilitate impregnation therein

2,081,553

AIR CONDITIONING APPARATUS

Charles B. Nerson, New Rochelle, N. Y., assignor to Baldwin-Southwark Corporation, a corporation of Delaware

Application February 13, 1933, Serial No. 656,487
5 Claims. (Cl. 183—18)



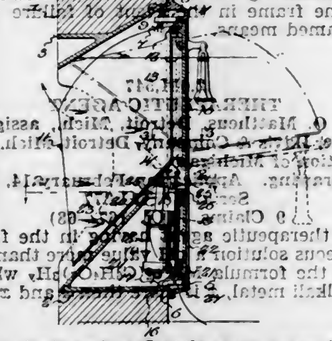
1. An air conditioning unit comprising, in combination, a heat exchange element, a liquid tray removably supported beneath the same, and filtering means supported by said tray so as to be removable therewith.

2,081,554

INCINERATOR HOPPER

Herbert E. Nicol, Milwaukee, Wis., assignor to Kerner Incinerator Co., Milwaukee, Wis.

Application August 12, 1935, Serial No. 35,308
3 Claims. (Cl. 110—34)



1. An incinerator dust hopper comprising, a casing, a self-closing pivotal hopper mounted within the casing, a dash pot disposed between the hopper and casing for retarding the closing movement of said hopper, and an inclined partition carried by the casing below the hopper and extending downwardly from the front wall of the casing to its rear bottom edge for shielding the dash pot from heated gases within the flue and prevent the accumulation of refuse below the hopper.

2,081,555

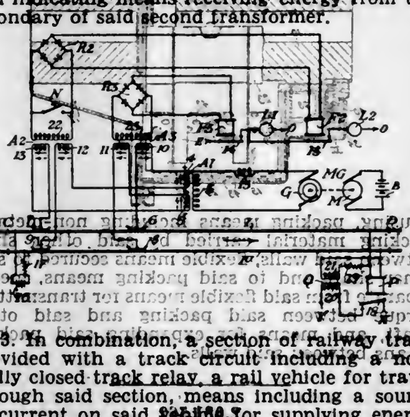
RAILWAY TRACK SHUNTING APPARATUS

Burnard R. O'Hagan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application December 7, 1933, Serial No. 701,310
Renewed June 24, 1935
20 Claims. (Cl. 246—41)

1. In combination, a section of railway track provided with a track circuit including a normally closed track relay, means operating when and only when said relay is open to supply alternating current from a trackway source across the rails of said section, a rail vehicle adapted for travel on said track, a transformer on said

vehicle having a primary supplied with alternating current and two secondaries each connected across the rails of the track in such manner that the instantaneous relative polarities on such connections are opposite, and the points of connection with each rail being spaced longitudinally so that the two secondaries are in series in a circuit which includes a portion of each rail, a second transformer on said vehicle having two primaries each included in the connection between one of said secondaries and a track rail and so wound that the currents flowing therein from said secondaries produce opposing fluxes whereby the currents which flow in said primaries from said trackway source produce aiding fluxes, and indicating means receiving energy from the secondary of said second transformer.



13. In combination, a section of railway track provided with a track circuit including a normally closed track relay, a rail vehicle for travel through said section, means including a source of current on said vehicle for supplying energy to the track rails to cause flow in the resistance film of the rail surface and to shunt said track relay, said means including a track way source of current and at least a portion of said vehicle carried means and operating while the vehicle occupies said section, to indicate on the vehicle whether or not said track relay is open.

2,081,556

LATEX CONCENTRATE

Alfred E. Petersen, Frankfort-on-the-Main, and Wilhelm Gerpecke, Gonzenheim, near Frankfort-on-the-Main, Germany, assignors to Metallgesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany

Original application May 6, 1932, Serial No. 609,560. Divided and this application July 6, 1935, Serial No. 30,160. In Germany May 9, 1931
1 Claim. (Cl. 18—50)

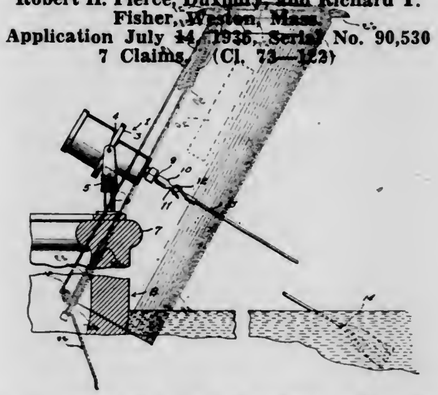
A new product consisting of a latex concentrate containing all the constituents of the latex, said concentrate having a water content of less than 40% and being free from air inclusions.

2,081,557

TAFFRAIL SPEEDOMETER

Robert H. Pierce, Duxbury, and Richard T. Fisher, Weston, Mass.

Application July 14, 1936, Serial No. 90,530
7 Claims. (Cl. 73—123)



1. An instrument for indicating the speed and the distance traveled by a boat comprising a spinner adapted to drag in the water behind the boat, a drag line to which the spinner is connected, means for yieldingly resisting the drag of the spinner, means responsive to the drag of the spinner for indicating the speed at which the boat is traveling, means responsive to rotation of the spinner for indicating the distance traveled, operating trains connecting the drag line with said indicating means comprising a common rotary shaft, a casing for housing both of said operating trains, and means supporting the casing for universal movement about a point located substantially in the axial line of the rotary shaft.

2,081,558

CASTING INVESTMENT MATERIAL AND PROCESS

Charles H. Pfanse, Lyndhurst, N. J., assignor to Austenal Laboratories, Inc., New York, N. Y., a corporation of New York

No Drawing. Application April 20, 1934, Serial No. 721,550
9 Claims. (Cl. 22—188)

2,081,559

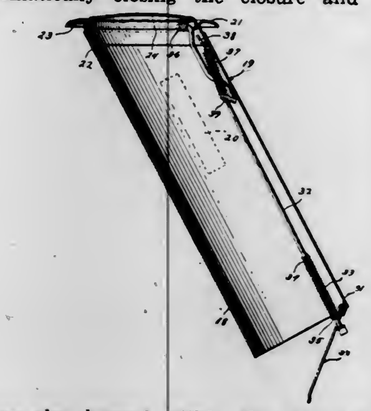
REFUSE RECEPTACLE FOR VEHICLE BODIES

John J. Funke, Detroit, Mich., assignor to Hupp Motor Car Corporation, Detroit, Mich., a corporation of Virginia

Application April 27, 1936, Serial No. 76,206—19.5)
2 Claims.

In a motor vehicle, the combination with a body, of a refuse disposing device comprising a receptacle extending downwardly from a point within the body to a point exteriorly of the body and having the opposite ends open, a cover for the receiving end of the receptacle movable to both open and closed positions, a closure for the discharge end of the receptacle normally maintained in its open position, means housed within the receptacle and operable in dependence upon

movement of the cover to its open position for automatically closing the closure and spring



means also housed within the receptacle for normally urging the cover to its open position.

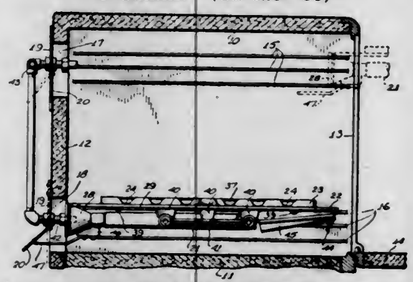
2,081,560

BURNER PLATE FOR STOVE OVENS

Walter F. Rogers, Cicero, Ill., assignor to Crown Stove Works, Cicero, Ill., a corporation of Illinois

Application November 4, 1935, Serial No. 48,160

5 Claims. (Cl. 126—36)



4. In a removable burner plate structure of the class described, a frame having the general form of a hollow rectangle, a generally flat, imperforate top plate, a flat bottom plate having a plurality of apertures formed centrally therein, means for supporting said plates upon said frame in spaced, superposed relation whereby a box-like space is enclosed between said plates, said frame having an upstanding ridge thereon which is adapted to generally enclose the sides of said box-like space, said ridge being provided with a plurality of openings which define vents along the sides of said box-like space, and a burner supported upon said frame and underlying said bottom plate.

2,081,561

CLUTCH

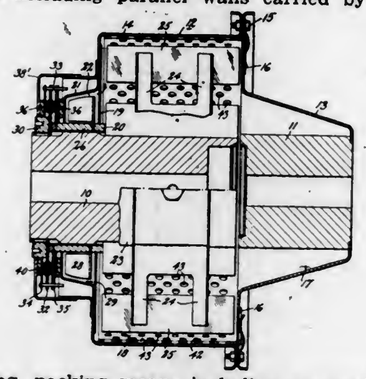
Roger Schweich, Paris, France, assignor to Pulvis Aktiengeselischaft, Glarus, Switzerland, a corporation of Switzerland

Application May 19, 1934, Serial No. 726,431

In France May 20, 1933

16 Claims. (Cl. 192—58)

1. In a clutch for transmitting power from a driving shaft to a coaxially mounted driven shaft and having a housing secured to one of said shafts, the other of said shafts extending to within said housing, a blade secured to said other shaft and positioned to rotate within said housing, and a quantity of finely divided material partially filling said housing, the combination therewith of means for preventing escape of said material between said housing and said other shaft including parallel walls carried by said



housing, packing means including non-metallic packing material carried by said other shaft between said walls, flexible means secured to said other shaft and to said packing means, means separate from said flexible means for transmitting torque between said packing and said other shaft, and means for expanding said packing means between said walls.

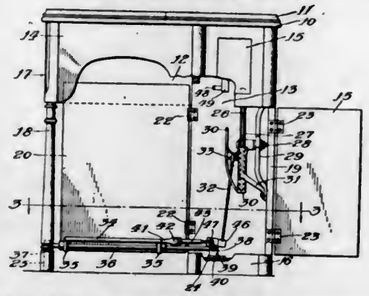
2,081,562

SEWING MACHINE

Walter Adam Smith, Belvidere, Ill., assignor to National Sewing Machine Company, Belvidere, Ill., a corporation of Illinois

Application August 17, 1936, Serial No. 96,367

4 Claims. (Cl. 312—30)



1. A cabinet enclosed, treadle operated sewing machine comprising a cabinet having a head receiving chamber having an operating knee-space below said head and a vertically disposed side chamber at one side of said knee-space, a door closing the inner side of said side chamber, said side door being hinged to the rear wall of the side chamber and swingable about a vertical axis to leave an unobstructed space between the side chamber and the opposite side of the cabinet and form a rear closure wall for said knee-space, a pulley wheel attached to one end wall of the cabinet and within said side chamber, a pitman pivotally connected to the pulley wheel, a treadle shaft, a pivotal connection connecting one end of said treadle shaft directly to the floor of the side chamber, a treadle pivotally mounted on the shaft, a pivotal connection between the treadle

and the pitman, said treadle and shaft being movable from a vertical position within the side chamber to a horizontal position across said unobstructed space after the side door has been swung rearwardly about said vertical axis, and means on the cabinet for supporting the free end of the treadle shaft in operative position.

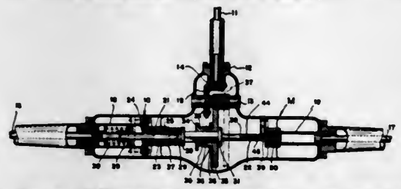
2,081,563

DIFFERENTIAL MECHANISM

Rufin L. Szweda, Milwaukee, Wis.

Application September 12, 1936, Serial No. 100,438

2 Claims. (Cl. 74—389.5)



1. In a differential mechanism, a propeller shaft, a pair of independent stub axles, an intermediate drive shaft, means operatively connecting the propeller shaft with the drive shaft, a clutch section connected with one stub axle having clutch faces on its opposite ends provided with oppositely inclined teeth, spaced clutch sections on the intermediate drive shaft for engagement at different times with the clutch faces, said intermediate drive shaft having a threaded portion provided with spaced grooves having oppositely directed stop shoulders therein, and a spring pressed pin carried by the other stub axle for engagement in said grooves at different times and for engaging the thread at another time to shift said drive shaft.

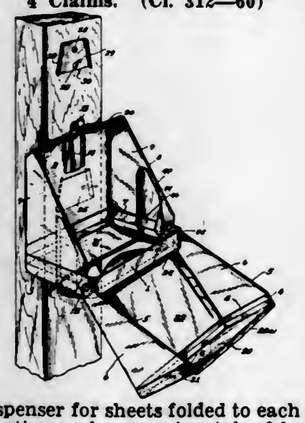
2,081,564

DISPENSER FOR FOLDED SHEETS

Nicholas Tuszynski, Milwaukee, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application September 11, 1936, Serial No. 100,339

4 Claims. (Cl. 312—60)



1. A dispenser for sheets folded to each provide a body portion and a grasping tab of less width than said body portion comprising a box-like container having its lower wall in the form of a panel provided with an elongated dispensing slot, means extending adjacent the ends of said dispensing slot for supporting the edge portions of the folded sheets and to bend them inwardly of the container, and permitting the grasping tab of the foremost sheet to extend through said elongated slot.

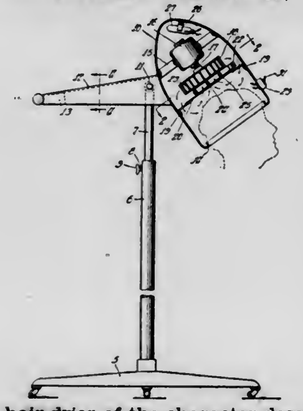
2,081,565

HAIR DRYING APPARATUS

Leo J. Wahl, Sterling, Ill., assignor to Wahl Clipper Corporation, Sterling, Ill., a corporation of Illinois

Application April 27, 1936, Serial No. 76,637

6 Claims. (Cl. 219—39)



1. A hair drier of the character described comprising a supporting stand, a hood adjustably carried thereby, air heating means associated with said hood and comprising electrical heating elements, control switch mechanism for said heating cements mounted on the rim of said hood adjacent the head receiving portion thereof, said switch mechanism having handles movable lengthwise of the hood for controlling the current supplied to said heating elements.

2,081,566

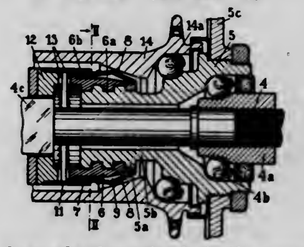
FREEWHEEL COASTER HUB

Franz Winkler, Wurzburg, Germany

Application February 3, 1936, Serial No. 62,052

In Germany February 11, 1935

4 Claims. (Cl. 192—6)



1. In a free-wheel coaster hub, the combination with a hub shell, of a driver, a coupling sleeve screwable thereon, a conical clutch face on the hub shell, said coupling sleeve being the driving clutch for said hub shell, an immovable member located in the hub shell and a check device mounted on the coupling sleeve and comprising a resilient ring seated in a peripheral groove of the coupling sleeve interiorly of the immovable member and inherently expansible into engagement with said latter member, and projections adapted to be pressed against the hub shell, thereby compressing the resilient ring and detaching it from the immovable member.

2,081,567
COASTER BRAKE AND BRAKE-APPLYING DEVICE

Franz Winkler, Wurzburg, Germany
Application March 18, 1936, Serial No. 69,437
In Germany March 18, 1935
5 Claims. (Cl. 192—6)



1. In a free-wheel coaster brake of the kind described, the combination with a sleeve-like expansible brake, of a pair of conical brake-expanding members, the one being stationary and the other axially shiftable, an axially and rotatably displaceable bearing member provided with cam faces, and brake expanding rollers mounted on said bearing member and movable along said cam faces, the said shiftable cone being mounted on said bearing member and relatively rotatable with respect to said bearing member.

2,081,568
FREE-WHEEL COASTER-BRAKE WITH BRAKE COUPLING

Franz Winkler, Wurzburg, Germany
Application March 18, 1936, Serial No. 69,438
In Germany March 18, 1935
5 Claims. (Cl. 192—6)



1. In a free-wheel hub with coaster brake of the kind described, the combination with a wheel axle of a stationary brake-expanding cone fixed on the said axle, an expansible brake sleeve, attached near one end to said cone, a movable brake-expanding cone located in the opposite end of said brake sleeve, and axially resilient means for locking the movable cone against rotation in braking position.

2,081,569
CLUTCH CONTROL MECHANISM

Carl H. Walcott, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 18, 1932, Serial No. 592,613
10 Claims. (Cl. 192—.01)

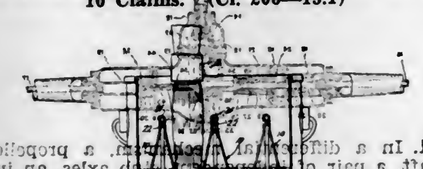
1. In a free-wheel coaster hub, the combination with a hub shell, of a driver, a coupling sleeve screwable thereon, a conical clutch face on the hub shell, said coupling sleeve being the driving clutch for said hub shell, a driven member located in the hub shell and a clutch device mounted on the coupling sleeve and comprising a resilient ring seated in a peripheral groove of the coupling sleeve interiorly of the driven member and interiorly of the hub shell, said resilient ring being adapted to be expanded into clutching engagement with the conical clutch face on the hub shell, and means for controlling the operation of said mechanism including a casing member and a plurality of relatively movable elements mounted in said casing member, one of said elements being operated from the instrument board of the automotive vehicle and the other of said elements being operated by the accelerator pedal of the vehicle.

2,081,570
DIFFERENTIAL MECHANISM

Ruth L. Sawtelle, Milwaukee, Wis.
Application December 23, 1935, Serial No. 56,139
7 Claims. (Cl. 74—711)

2,081,571
PAINT BRUSH HOLDER

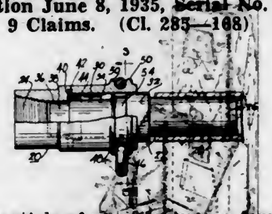
Johan Emil Andreen, Chicago, Ill., assignor of one-third to Frederic A. Fischel, Chicago, Ill.
Application October 21, 1935, Serial No. 45,925
10 Claims. (Cl. 206—15.1)



1. A paint brush holder, comprising a wing supporting frame having spaced upright wing supports and oppositely disposed downwardly converging resilient wings, secured at their upper ends to said wing supports, and unconnected at their lower ends, the spaces between the wing supports and between the opposite wings being free and unobstructed throughout the length and width of the wings.

2,081,572
COUPLING

Henry Baade, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application June 8, 1935, Serial No. 25,532
9 Claims. (Cl. 285—168)

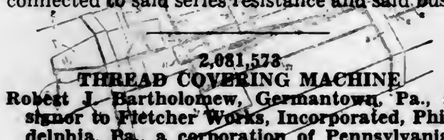


1. As an article of manufacture, a female member for a hose coupling having means to fix the member to a hose, a plurality of interior stepped surfaces, an annular groove formed between two adjacent stepped surfaces of the member, resilient packing material carried in the groove, an annular groove formed in the outer wall of the member, milled slots on opposite sides of the groove extending through the side walls of the member, and a locking link slidable in the groove and provided with lateral side wings designed to project through the milled slots to form a section of reduced cross-sectional diameter on said member when the locking link is in one extreme position, the locking link also having expanded ends between said side walls designed to not extend the external diameter of said member when the locking link is moved to another extreme position, and

resilient means carried by the locking link to resiliently lock the link in either extreme position.

2,081,573
ATTENUATOR

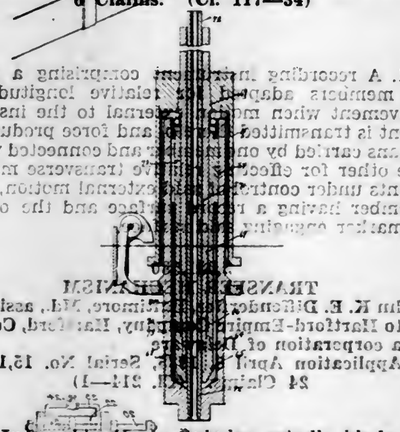
Samuel J. A. M. Bagno, New York, N. Y., assignor, by mesne assignments, to Electrad, Inc.
Application October 7, 1934, Serial No. 746,316
4 Claims. (Cl. 201—14)



1. An attenuator comprising a continuous series resistance, a contact movably related thereto, a highly conductive bus, and a continuous shunt resistance extending between and continuously connected to said series resistance and said bus.

2,081,573
THREAD COVERING MACHINE

Robert J. Bartholomew, Germantown, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application January 24, 1935, Serial No. 3,245
6 Claims. (Cl. 117—34)

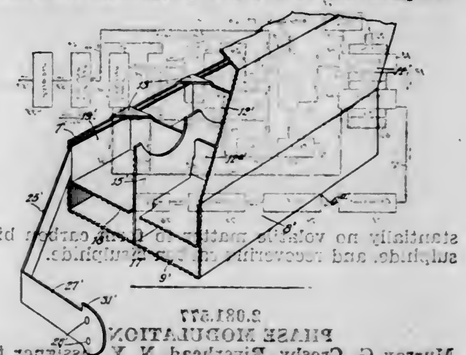


1. In combination a tubular spindle blade, a bolster for supporting said blade, a spindle base, said bolster being supported by said base adjacent its upper end and being spaced from the bore of said base below the point of support to provide an oil reservoir, a hollow tube within said spindle blade, said tube being spaced from said bolster to provide for the circulation of oil about the base of said blade.

2,081,574
CARTON

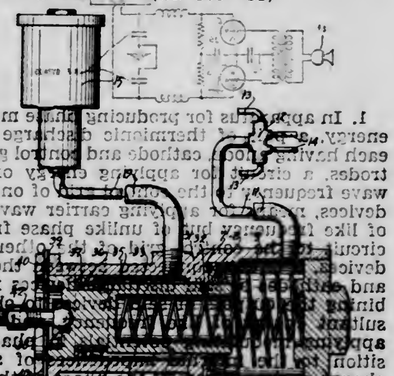
Andrew E. Bueschel, Chicago, Ill., assignor, by mesne assignments, to Carton & Specialties, Inc., Chicago, Ill., a corporation of Illinois
Application November 21, 1934, Serial No. 754,063
17 Claims. (Cl. 229—29)

1. A carton having a plurality of transverse partitions formed integrally with the carton and forming a plurality of compartments, a flap of scoring formed in the bottom and extending transversely thereof adjacent and at one side of one of said partitions to facilitate separating the bottom in a pair of displaceable units, one of said units having the partition adjacent said scoring connected thereto, and a separable vertically disposed closure member operatively connected to a transverse partition in the other of said units for closing the end of the compartment in said other unit left open by the removal of the partition adjacent said scoring.



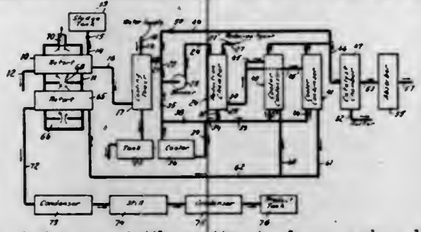
2,081,575
FLUID BRAKE

Eugene G. Carroll, Los Angeles, Calif., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Original application May 23, 1929, Serial No. 365,495. Divided and this application July 14, 1934, Serial No. 735,136
2 Claims. (Cl. 309—33)



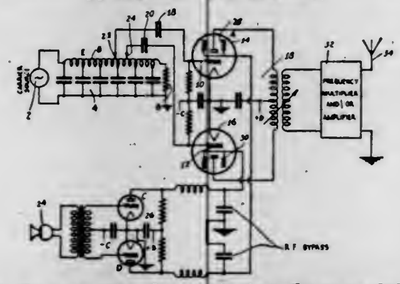
1. In hydraulic brake apparatus, a cylinder, a piston positioned in said cylinder and having a pair of heads in sliding contact with said cylinder, said piston being provided with a groove between said heads, and an elastic cup-shaped packing member, which is annular, of which a radial cross-section is U-shaped, and which is adapted to be slipped over one of said heads and into said groove and forming sealing engagement with said cylinder.

composing by heating sludge material derived from acid treatment of petroleum, containing sub-



stantially no volatile matter to form carbon bisulphide, and recovering carbon bisulphide.

2,081,577
PHASE MODULATION
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 23, 1932, Serial No. 588,309
13 Claims. (Cl. 250—17)



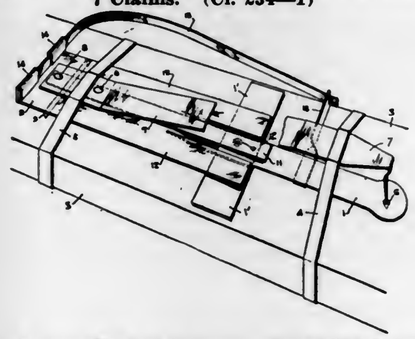
1. In apparatus for producing phase modulated energy, a pair of thermionic discharge devices, each having anode, cathode and control grid electrodes, a circuit for applying energy of carrier wave frequency to the control grid of one of said devices, means for applying carrier wave energy of like frequency but of unlike phase from said circuit to the control grid of the other of said devices, a circuit connected between the anodes and cathodes of said discharge devices for combining the outputs of said devices to obtain resultant energy of like frequency, and a device applying modulating potentials in phase opposition to the internal impedances of said discharge devices, whereby the phase of the resultant energy is shifted in accordance with the modulating potentials.

2,081,578
BRAKE MATERIAL AND PROCESS CONNECTED THEREWITH
Marion M. Cunningham and Charles E. Bradley, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware, and Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application May 2, 1932, Serial No. 608,787
1 Claim. (Cl. 106—23)



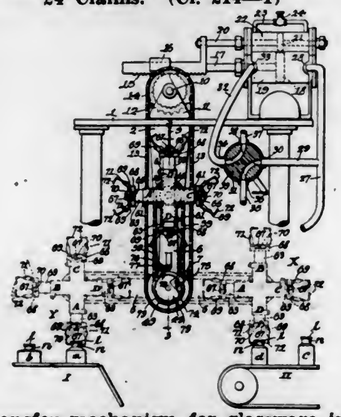
A composition of matter for use in applying friction brake lining to metal brake shoes comprising a compound including by weight approximately 77 parts rubber, 112 parts asbestos fiber, 28 parts graphite, 28 parts zinc oxide, and 42 parts sulphur thoroughly mixed and treated with approximately 368 parts of gasoline and 22 parts of phenol resin to form a thoroughly dissolved uniform paste-like mortar.

2,081,579
RECORDNG INSTRUMENT
Alfred V. de Forest, Bridgeport, Conn., assignor to Baldwin-Southwark Corporation, a corporation of Delaware
Application December 8, 1931, Serial No. 579,691
7 Claims. (Cl. 234—1)



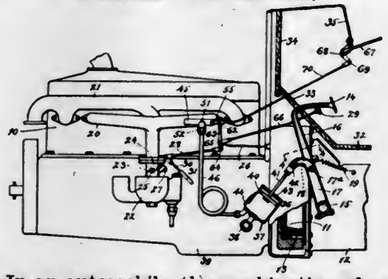
1. A recording instrument comprising a pair of members adapted for relative longitudinal movement when motion external to the instrument is transmitted thereto, and force producing means carried by one member and connected with the other for effecting relative transverse movements under control of said external motion, one member having a record surface and the other a marker engaging said surface.

2,081,580
TRANSFER MECHANISM
John K. E. Diffenderffer, Baltimore, Md., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application April 6, 1935, Serial No. 15,118
24 Claims. (Cl. 214—1)



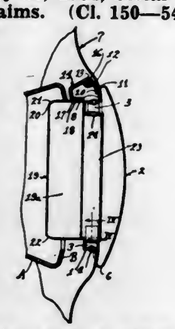
1. Transfer mechanism for glassware including a member mounted for oscillation between a loading point and a point of delivery, a transfer head rotatably mounted on said member, and means controlled by the oscillation of said member for imparting to the head a step by step rotation in one direction relative to the member.

2,081,581
FREEWHEEL DRIVE FOR AUTOMOBILES
Thomas L. Fawick, Akron, Ohio, assignor to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York
Application February 21, 1931, Serial No. 517,529
4 Claims. (Cl. 192—.01)



1. In an automobile, the combination of an internal-combustion engine having a throttle-valve and a clutch, a throttle-valve actuator, a clutch-releasing servo-motor and controller therefor normally subject to said actuator, and means including a manually operated element and mechanical connections for freeing said controller from subjection to the actuator.

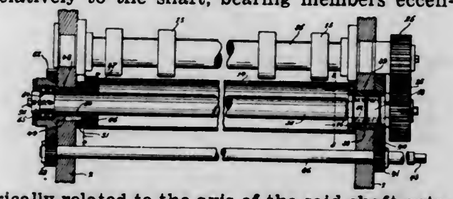
2,081,582
TIRE COVER AND HUB CAP SUPPORT
Arthur P. Fergueson, Detroit, Mich., assignor to Lyon Cover Company, Detroit, Mich., a corporation of Michigan
Application May 26, 1934, Serial No. 727,626
19 Claims. (Cl. 150—54)



1. In combination with a plate-like member having an opening and formed to cover the front side of a spare wheel with its opening in front of the wheel hub, a hub cap for the hub and said opening in the member and having means whereby the cap may be detachably secured to the wheel hub, and means affording a detachable and adjustable connection between the cap and the member, whereby the cap may be connected interchangeably with the hub and the member and may be adjusted relative to the member while connected thereto, to render the interior of the hub accessible through said opening.

2,081,583
ROLL ADJUSTMENT FOR PAPER BOX MACHINES OR THE LIKE
Thomas S. Fitchett, Glen Arm, Md., assignor to F. X. Hooper Company, Inc., Glen Arm, Md., a corporation of Maryland
Application May 4, 1936, Serial No. 77,736
8 Claims. (Cl. 93—58.2)

1. In a machine for operating on corrugated paper of different thicknesses, having pairs of cooperating rollers, means for adjusting one roller of each pair, said roller having an axial chamber, a shaft for said roller substantially coaxial therewith and bearing thereon a driving connection in said chamber connecting the shaft to the roller providing for radial motion of the roller relatively to the shaft, bearing members eccen-



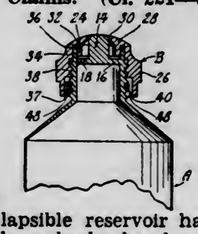
trically related to the axis of the said shaft rotatively supporting said roller, means for rotating said eccentric bearing members to change the position of the axis of the roller in a direction transverse to said axis, one said bearing for said shaft having a stationary axis and a driving gear on said shaft adjacent and supported by said latter bearing.

2,081,584
TUNING SYSTEM
Hans Hasse, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 4, 1934, Serial No. 738,443
In Germany August 7, 1933
3 Claims. (Cl. 250—40)



3. In an indicator for a tuning means, the combination of a flexible film having a plurality of station marks on its front surface, and a metallic film on its rear surface, a member connected to said tuning means and provided with an indicator, means carried by said member and in engagement with said rear surface and means for breaking said engagement in response to the positioning of said indicator opposite said station marks.

2,081,585
CLOSURE
Albert Hall, Narberth, Wilson T. Young, Oakmont, Upper Darby, and Thomas E. Slattery, Philadelphia, Pa.
Application October 5, 1935, Serial No. 43,656
5 Claims. (Cl. 221—60)



1. In a collapsible reservoir having a screw-threaded neck, a brake band comprising wire encircling the screw-threaded neck, a rotatable cap screwed on said neck and having an opening

2,081,586

BUMPER CONSTRUCTION

Herbert S. Jandus and Bladen M. Short, Detroit, Mich., assignors to General Spring Bumper Corporation, Detroit, Mich., a corporation of Michigan

Application August 31, 1934, Serial No. 743,214
8 Claims. (Cl. 293—55)



2. Bumper construction comprising a connected pair of flexible impact bars arranged in echelon with their centers vertically lapped and horizontally spaced but closer together than their ends so as to reinforce the front bar against excessive flexure, and means connecting the bars together.

2,081,587

VEHICLE VENTILATING WINDOW

Homer G. Kellogg, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York

Application August 15, 1934, Serial No. 740,013
9 Claims. (Cl. 296—44)



1. A ventilating window construction for a vehicle body comprising a window casing having a window opening therein, a slidable panel pivotally mounted in said casing on vertically arranged pivots for swinging movement out of the plane thereof, a window lifter mechanism, a rotatively mounted disk member, said casing having a fixed part constituting a support, a coupling member carried by said lifter mechanism, means connecting said disk member to said panel for angularly adjusting the latter upon rotation of said disk member, and a panel adjusting lever connected to said disk member for rotating the latter, said disk member upon rotation, being selectively engageable with said support and the coupling member of said lifter mechanism.

2,081,588

BRAKE

Ludger E. La Brie, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application June 26, 1933, Serial No. 677,587
16 Claims. (Cl. 188—78)

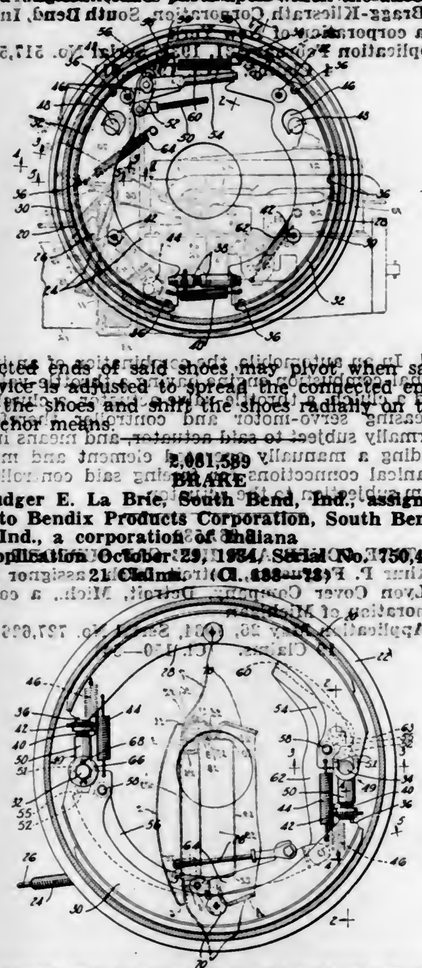
1. A brake comprising a pair of shoes having adjacent ends connected by an adjustable device, anchor means between the ends of each shoe which holds the shoe against lengthwise movement in one direction and thereby takes the braking torque but which permits radial movement of the shoe, and means for cooperating with the adjustable device and with the anchor means to effect the released positions of the shoes and which includes parts upon which the connected ends of said shoes may pivot when said device is adjusted to spread the connected ends of the shoes and shift the shoes radially on the anchor means.

2,081,589

BRAKE

Ludger E. La Brie, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application October 29, 1934, Serial No. 750,434
21 Claims. (Cl. 188—78)



1. A brake comprising a support provided with rigidly mounted anchors at opposite sides thereof, a pair of shoes having said anchors arranged between their ends and each formed to engage one of the anchors at one end, a device engaging the other end of each shoe and including two relatively adjustable parts one of which engages the corresponding anchor and transmits thereto the torque of its shoe and which is formed with a pocket receiving and projecting beyond the anchor, and applying means including parts adjacent each anchor and engaging the latter and the engaging part of one shoe and the pocket associated with the other shoe.

2,081,590

ROLL ADJUSTABLE PAPER BOX MACHINE LIKE

Ludger E. La Brie, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application August 2, 1935, Serial No. 34,789
16 Claims. (Cl. 188—78)

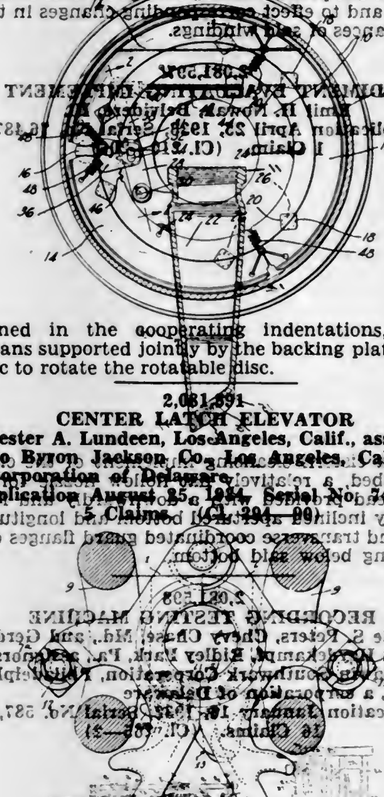
1. A brake actuating device including a plurality of brake shoes, a circular ring positioned within the brake shoes in coaxial relation to the drum, a pair of cooperating indentations between the ends of the brake shoes and the ring, wedging members disposed at least one at each of said indentations, and means supported jointly by the backing plate and disc to rotate the rotatable disc.

2,081,591

CENTER LATCH ELEVATOR

Chester A. Lundeen, Los Angeles, Calif., assignor to Byron Jackson Co., Los Angeles, Calif., a corporation of Delaware

Application August 25, 1934, Serial No. 741,402
5 Claims. (Cl. 294—99)



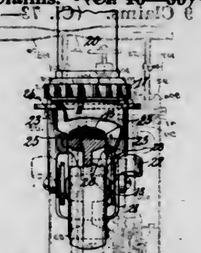
1. A well casing elevator adapted to be supported on elevator links, comprising a pair of semicircular doors hinged together at one end and adapted to encircle a well casing, an outwardly extending ear on each door adapted to receive one of the elevator links a latch pivotally mounted on one door and adapted to swing in a substantially horizontal plane against the opposite door, said latch located so that its middle is substantially in the plane of the door and rear portion of the latch overlies the door lying opposite the door carrying the latch, an abutment on the door carrying the latch and a guard rib on the latch, said abutment and guard rib being relatively close to the pipe when the latch is closed to receive the pipe between the abutment and the guard rib, the latch when closed being in position substantially flush with the outer face of the elevator, said abutment also having a guard rib between the latch and the adjacent ear to prevent the adjacent elevator link from striking the latch.

2,081,592

CASTER BRAKE

Burtnett McIntosh, Floral Park, N. Y., assignor to Frank A. Hall & Sons, New York, N. Y.

Application June 5, 1936, Serial No. 84,035
9 Claims. (Cl. 16—35)



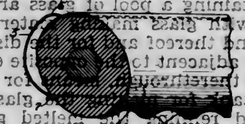
4. In a caster, in combination, a stem, a horn freely rotatable about the axis of the stem, a recessed locking plate rotatable with the stem, a caster wheel mounted on a shaft carried by the horn, movable locking means extending through a guide opening in the horn for engaging in a recess in the locking plate to lock the horn against relative rotation with respect to the stem, braking means for engaging the caster wheel to prevent rotation thereof, and an operating lever pivotally mounted with respect to the horn for moving the locking means and the braking means into and out of locking engagement with the locking plate and the caster wheel respectively, the locking and braking means being mounted on a single element carried by the horn and operated by the pivoted lever.

2,081,593

STEERING WHEEL CONSTRUCTION

George Albert Lyon, Detroit, Mich.

Application October 19, 1934, Serial No. 748,989
15 Claims. (Cl. 74—552)



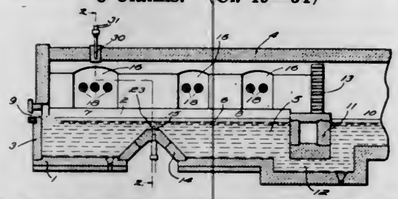
1. In a composite steering wheel construction, a finished steering wheel including a rim of arcuate cross-section, and an annular metallic-like surfaced member overlying the upper and outer portion of said wheel rim, said member having its body portion spaced from said wheel rim, and said member also having clean cut edges with the upper and lower marginal portions extending inwardly to cause said edges to engage said wheel rim substantially normally to the rim, said edges being one on each side of the maximum outside diameter of said rim.

2,081,595

APPARATUS FOR INDICATING AND CONTROLLING TEMPERATURES IN GLASS MELTING TANKS

Harold W. McIntosh, Windsor, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application September 24, 1935, Serial No. 41,886
8 Claims. (Cl. 49—54)



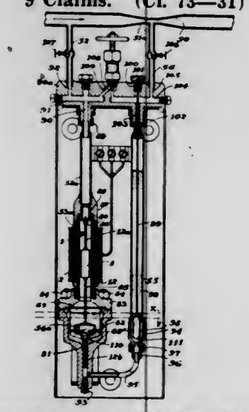
1. Apparatus for making glass, comprising a tank for containing a pool of glass arranged to be supplied with glass making materials adjacent to one end thereof and for the discharge of finished glass adjacent to the opposite end of the path of glass therethrough, means for supplying heat to the tank for melting the glass making materials and refining the melted glass, and means for obtaining an indication of the temperature of the glass according to which the heat supplied to the tank may be controlled, including a temperature responsive device projecting a material distance into the path of a freely flowing stream of melted glass in the tank, said temperature responsive device being so constructed and arranged as to afford a sensitive indication of changes in temperature in the glass throughout a material part at least of the useful life of the tank.

2,081,596

MANOMETER CALIBRATING MEANS

William Melas, Bala-Cynwyd, Pa., assignor to Cochrane Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Original application April 2, 1934, Serial No. 718,641. Divided and this application March 8, 1935, Serial No. 9,930
9 Claims. (Cl. 73—31)



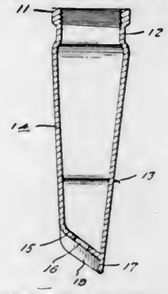
1. Apparatus of the character described comprising interconnected chambers, structure responsive to change in level of liquid in one of said chambers, a pair of windings, a magnetic member mechanically connected to said structure to vary the impedances of said windings in accordance with changes of level of said liquid, characterized by the provision of calibration checking means comprising a displacer normally immersed below the level of said liquid and movable bodily above the level of said liquid to effect at least one predetermined change in level of said liquid and to effect corresponding changes in the impedances of said windings.

2,081,597

SEDIMENT EVACUATING IMPLEMENT

Emil H. Nowak, Belvidere, Ill.

Application April 25, 1936, Serial No. 76,487
1 Claim. (Cl. 210—206)



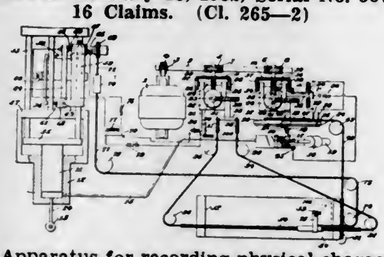
In a cistern cleansing implement of the class described, a relatively flat hollow nozzle forming head provided with a downwardly and forwardly inclined apertured bottom and longitudinal and transverse coordinated guard flanges depending below said bottom.

2,081,598

RECORDING TESTING MACHINE

Orville S. Peters, Chevy Chase, Md., and Gerd S. von Heydekampf, Ridley Park, Pa., assignors to Baldwin-Southwark Corporation, Philadelphia, Pa., a corporation of Delaware

Application January 16, 1932, Serial No. 587,064
16 Claims. (Cl. 265—2)



1. Apparatus for recording physical characteristics of a test specimen stressed in a materials testing machine comprising, in combination, a recorder drum, a marker associated with said drum, a cable for rotating said drum, driving means for said cable, means progressively movable in one direction in response to increase in specimen load for controlling said driving means, a second cable for moving said marker, driving means therefor, and means operably responsive to variations in distortion of the specimen for controlling said last named driving means.

2,081,599

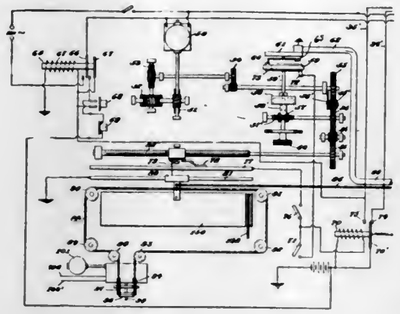
LOAD CONTROL APPARATUS FOR HYDRAULIC TYPE TESTING MACHINES

Orville S. Peters, Chevy Chase, Md., assignor to Baldwin-Southwark Corporation, Philadelphia, Pa.

Application November 19, 1932, Serial No. 643,467
27 Claims. (Cl. 265—14)

1. In a testing machine in combination, means for supporting a specimen, a control device, means

for driving said device at a constant speed, hydraulic responsive means for applying stress to said specimen, and means operably associated



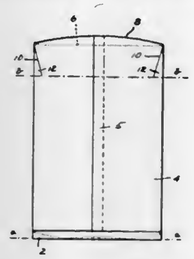
with said control device for causing increments of pressure to be applied to the hydraulic responsive means so that the stress exerted thereby on said specimen increases at a uniform rate.

2,081,600

DOUBLE FLAP BAG AND PROCESS OF MAKING SAME

George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y., a corporation of New York

Application July 20, 1935, Serial No. 32,343
3 Claims. (Cl. 229—62)



1. A bag having a front wall and a rear wall and two flaps at the mouth thereof, one of said flaps being cut from a bag wall so that the base thereof is shorter than the base of the other flap thereby leaving portions of the other bag wall adjacent the side edges of said flap whereby when said shorter base flap is turned inside the bag and the other flap is folded outside, a reenforcement of the corners of the bag is produced.

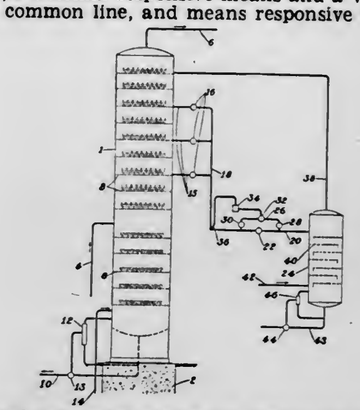
2,081,601

AUTOMATIC SIDE STREAM CONTROL SYSTEM

Charles M. Ridgway, Muskogee, Okla., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application May 31, 1935, Serial No. 24,170
4 Claims. (Cl. 196—132)

3. Fractionating apparatus comprising a fractionating tower containing a plurality of superposed bubble plates, a plurality of condensate withdrawal lines connected to said plates, a common line connecting said condensate withdrawal lines, a thermal responsive means and a valve in said common line, and means responsive to said



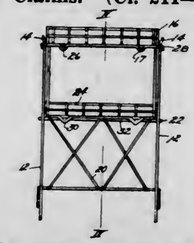
thermal responsive means for automatically operating said valve.

2,081,602

PEDESTAL STRUCTURE

Harry J. Rubenstein, Kansas City, Mo.

Application June 10, 1935, Serial No. 25,849
7 Claims. (Cl. 211—85)



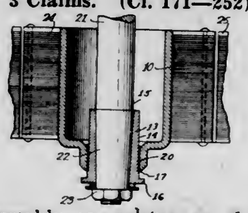
1. A pedestal structure of the character described comprising substantially parallel, normally vertical, spaced apart wire sides; a wire panel having top and bottom bars and interconnecting wires all in a common vertical plane, interconnecting said sides intermediate the longitudinal edges thereof; and means hingedly joining the edges of the panel to the respective proximal sides adapted to permit collapsing of the pedestal structure to a condition where the said sides and panel are in substantially parallel superimposed relation to each other, said joining means having their axes parallel to the said edges of the sides.

2,081,603

MOTOR ROTOR HUB ASSEMBLY

Ray A. Sandberg, North Chicago, Ill., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan

Application July 1, 1935, Serial No. 29,261
3 Claims. (Cl. 171—252)



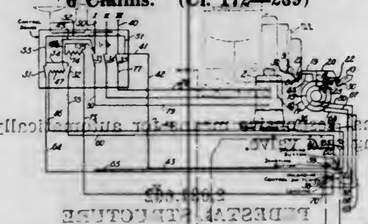
1. An assembly comprising an elongated cylindrical body portion having a reduced neck ex-

tending from one end thereof, a hub member having a cylindrical outer surface inserted in said neck, said hub member having an annular shoulder engageable with the extremity of the neck for limiting the relative position of the hub member in said neck, and said hub member and body being brazed together by a continuous surface braze therebetween and inside of said body portion.

2,081,604
CENTRIFUGAL CIRCUIT BREAKER

Fletcher Schaum, Philadelphia, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania

Application February 1, 1935, Serial No. 4,438
6 Claims. (Cl. 172—289)



1. A circuit breaker comprising in combination a motor, a circuit therefor, a rotatable shaft driven by said motor, a casing mounted on said shaft at an angle thereto, fixed spaced contacts in said casing, and an electrically conductive body in said casing cooperable with said contacts, said body being moved relatively to said contacts by centrifugal force when said shaft is rotating at a predetermined speed to break said motor circuit, said casing being adjustable with respect to said shaft to vary the angle which the casing makes with the shaft thereby to vary the shaft speed at which the body will be moved in said casing.

2,081,605
BRAKE DRUM

Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application April 8, 1935, Serial No. 15,338
3 Claims. (Cl. 188—218)

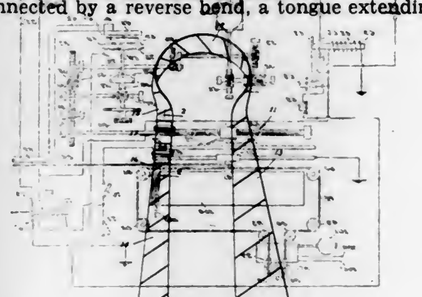
1. A brake drum provided with a cast brake flange having an annular reinforcing rib extending outwardly from the exterior surface of the flange, and a reinforcing ring encircling the rib and embedded in the periphery of said rib with a portion extending outwardly from the periphery of the annular rib forming a lateral extension of the latter.

2,081,606
NECKTIE

Abraham Sorkind, Brawley, Calif.

Application October 12, 1935, Serial No. 44,711
4 Claims. (Cl. 24—230)

1. A clasp having a socket member formed with a front flat plate, two back strips, an eye at one end of the front plate and back strips, inturned flanges on the ends of the front plate, the edges of the flanges being spaced apart, there being a slot between the flanges and the back strips, the clasp having a plug member formed with a back member and a spring plate formed integral and connected by a reverse bend, a tongue extending

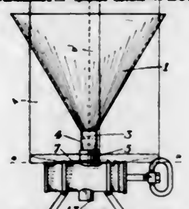


from the spring plate, there being shoulders on the spring plate at opposite sides of the tongue adapted to engage the flanges of the socket, the plug being insertable in the said slot, the back member of the plug having a perforation, the tongue having a bend and adapted to extend through said perforation.

2,081,607
DEVICE FOR FILLING CONTAINERS WITH SEMIFLUID MATERIAL

Paul F. Stockard, Marcus Hook, Pa., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application July 23, 1935, Serial No. 32,771
3 Claims. (Cl. 221—102)

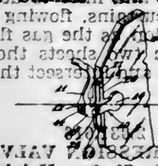


1. A portable feeding and measuring device comprising a cylinder closed at one end and open at the other, an inlet and an outlet intermediate the ends of said cylinder, said inlet being connected to a hopper, a piston slidably mounted in said cylinder, a skirt member slidably and rotatably mounted on said cylinder, said skirt being affixed to the piston adapted to move integrally with said piston, a cap screwably mounted on the open end of said cylinder, having an opening in the middle thereof sufficiently large to permit a rod fastened to the piston to pass therethrough, a handle on the outer end of said rod to permit manual operation of said piston, said cap acting as a stop means for said piston at the end of the rearward stroke thereof and permitting an adjustment of the stroke of said piston.

2,081,608
EYEGLASSES

Harry Stolper, New York, N. Y.

Application May 22, 1935, Serial No. 22,678
2 Claims. (Cl. 88—47)



2. A clamp for eyeglasses, comprising a bifurcated member, the arms forming the furcations being resilient, cooperating lens bracing and lens gripping members formed respectively intermediate of and at the extremities of each of said arms and fastening means passing through said arms intermediate of their length and remote from the lens, whereby to cause the lens bracing and gripping members to be displaced towards one another for mounting said lens.

2,081,609
METHOD OF PREVENTING EFFLORESCENCE ON THE SURFACE OF COLORED ROOFING GRANULES

Paul Teeter, Castleton, Vt., assignor to Central Commercial Company, a corporation of Illinois

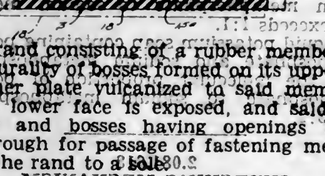
No Drawing. Application December 4, 1934
Serial No. 756,006
2 Claims. (Cl. 91—70)

2. A method of treating granules suitable for use on roofing material which comprises mixing barium carbonate, color pigment and a binder containing frit, mixing the mass with granules, fusing the binder on the granules and agitating the mass to prevent agglomeration.

2,081,610
HEEL CONSTRUCTION

Henry van Mourik, Detroit, Mich., assignor to Van Mourik Associates, Inc., Detroit, Mich., a corporation of Michigan

Application March 15, 1935, Serial No. 11,289
10 Claims. (Cl. 36—38)



1. A rand consisting of a rubber member having a plurality of bosses formed on its upper face, a retainer plate vulcanized to said member so that its lower face is exposed, and said plate, member and bosses having openings formed therethrough for passage of fastening means to attach the rand to a sole.

2,081,611
TURBINE

Emil Wessman, Excelsior, Minn., assignor of one-third to E. C. Kibbie, Wayzata, Minn.

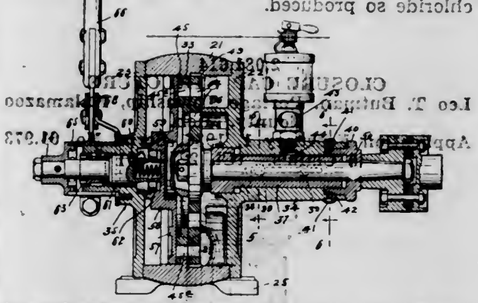
Application January 15, 1936, Serial No. 59,231
5 Claims. (Cl. 253—73)

1. A turbine comprising a casing having admission and exhaust ports and between said ports, a flat-faced nozzle plate equipped with nozzle passages, a rotor having circumferentially spaced vanes, and a flat surface, arranged to run substantially in contact with the adjacent face of said nozzle plate, a port-equipped valve plate having a surface engageable with said flat face of said nozzle plate, said rotor having a shaft extended through one side of said casing, a manually adjustable, thrust-resisting shaft journaled in and extended through the other side of said casing, and clutch elements on the inner end of said last noted shaft and on said valve plate, connecting the two for common rotary adjustments.

2,081,612
BAFFLE FOR HEAT EXCHANGE TUBES

James C. Woodson, Cleveland, Ohio, assignor to Lee Wilson, Cleveland, Ohio

Application November 13, 1936, Serial No. 110,723
9 Claims. (Cl. 138—38)



1. A baffle for heat-exchange tubes comprising a plurality of refractory blocks, an axial hole through each block, a metallic link positioned in the hole in each block, said links having a head at one end and an eye at the other adapted to receive the head of an adjacent link, whereby the links may be assembled in a chain with the blocks strung on the links in the manner of beads.

2,081,613
PRESERVATION OF RUBBER

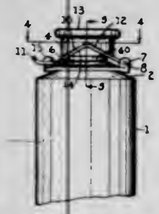
Thomas W. Bartram, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application June 28, 1934,
Serial No. 732,913
10 Claims. (Cl. 18—50)

1. The method of preserving rubber which comprises treating rubber with a product obtainable by heating to refluxing temperature sub-

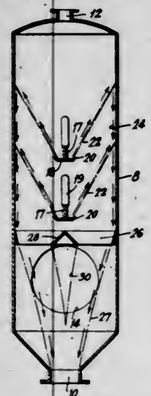
stantially equi-molecular proportions of diphenyl amine and sodium diphenyl amine with a large excess over substantially one molecular proportion of ethylene dichloride and the removal from the reaction product of the unreacted ethylene dichloride and diphenyl amine and the sodium chloride so produced.

2,081,614
CLOSURE CAP STRUCTURE
Leo T. Butman, Portage Township, Kalamazoo County, Mich.
Application February 1, 1936, Serial No. 61,973
8 Claims. (Cl. 221—60)



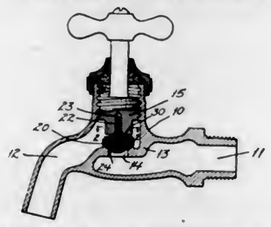
1. In a closure cap for the neck of a collapsible tube, an adapter comprising a base and a threaded collar adapted to be threaded upon the neck of the tube, the base having a pair of spaced hinge lugs at one side of the collar and a stud-like keeper having a rounded head at the opposite side of the collar, a cap fitting over said collar to close the neck, and a combined hinge and latch for said cap formed of resilient wire bent upon itself to provide a loop, the arms of which embrace the cap, the end of the loop being restricted to provide a loop-like keeper-engaging latch, the ends of the arms being out-turned to provide pintles engaging said pintle lugs, the pintle lugs having rounded head portions with which the arms engage to yieldably hold the cap in open position, the cap having angular recesses in its opposite sides engaged by said arms.

2,081,615
APPARATUS FOR OBTAINING EXPOSED LIQUID SURFACES
Henry E. Byer, Rosebank, N. Y.
Application April 17, 1935, Serial No. 16,771
13 Claims. (Cl. 261—111)



1. A device of the character described, comprising the combination with a casing having an inlet for gaseous medium, an outlet for gaseous medium, an inlet for supplying a column of liquid under pressure therebetween and a liquid outlet, of a trough shaped baffle whereof the edges each extend between spaced points on the casing wall between gas outlet and inlet to deflect the column of liquid as curtains, flowing substantially in the same direction as the gas flow, over said edges outwardly in two sheets the elements of which are straight, and intersect the casing wall.

2,081,616
COMPRESSION VALVE
Leon W. Diamond, Shaker Heights, Ohio, assignor to John E. Bernstein, Cleveland, Ohio
Application February 10, 1936, Serial No. 63,055
3 Claims. (Cl. 251—160)



1. An article of manufacture, comprising a faucet gasket, having a head, a stem formed integrally with the head and projecting centrally from one end thereof and a washer having a central opening through which the stem projects, the washer having relatively raised and depressed portions which reduce the effective bearing surface against which a valve body may engage.

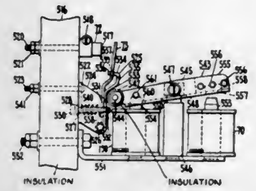
2,081,617
PROCESS FOR IMPROVING LIQUID POTASSIUM SOAPS
Fritz Draisbach, Ludwigshafen-on-the-Rhine, Germany, assignor to the firm Hall Laboratories, Inc., Pittsburgh, Pa.
No Drawing. Application November 16, 1936, Serial No. 111,129. In Germany October 31, 1935
5 Claims. (Cl. 87—5)

1. A process for improving liquid potassium soaps, which consists in adding to said soap a mixture of potassium and sodium metaphosphates in which the molecular proportion of potassium metaphosphate to sodium metaphosphate exceeds 1:1.

5. Liquid potassium soap containing potassium metaphosphate and sodium metaphosphate in which the molecular proportion of potassium metaphosphate to sodium metaphosphate is about 3:2.

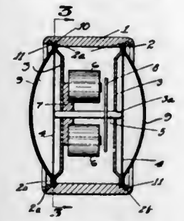
2,081,618
SWITCHING MECHANISM
Edward L. Dunn, Livingston, N. J., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Original application September 28, 1927, Serial No. 222,480, now Patent No. 2,032,475, dated March 3, 1936. Divided and this application November 27, 1935, Serial No. 51,766
3 Claims. (Cl. 200—98)

1. A switch comprising; a pair of stationary contacts; a pair of contact blades, each for engaging one of said contacts; a pair of pivoted arms, one for operating each contact blade, each arm having an inclined portion and an end portion; resilient means for biasing each blade and operating arm into position with the blade disengaged from its stationary contact; a pivoted armature; a pair of rollers, one for each operating arm, carried by said armature; an electromagnet adapted, when energized, to cause movement of said armature in one direction about its pivot, said armature causing movement of said rollers up the inclined portions onto the end portion of their respective arms until dead center is reached, said rollers, during said movement up the inclined portions of their contact arms, moving said arms about their pivots and said contact



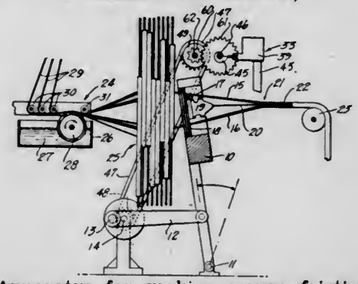
blades into engagement with their respective stationary contacts against the force of said resilient means, said blades, after their engagement with their stationary contacts, slidably pivoting on their respective operating arms against the force of said resilient means to cause rubbing contact engagement; and an additional electromagnet adapted, when energized, to cause opposite movement of said armature about its pivot, said resilient means acting, during such movement, to cause the separation of the contact blades from their stationary contacts.

2,081,619
SOUND PRODUCER
Joseph F. Ebert, Hollis, N. Y., assignor to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application June 17, 1935, Serial No. 27,004
2 Claims. (Cl. 177—7)



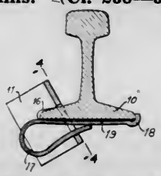
2. An electromagnetic sound producer, comprising a cylindrical casing having a shoulder formed near one open end of the casing on the inside, a plate member positioned against said shoulder and being concave inwardly from the end of the casing, a diaphragm positioned on said plate member on the side of the plate toward the open end of the casing, an outwardly convex apertured member having a rim positioned against a rim portion of said diaphragm, means for securing the plate, diaphragm and apertured member in position against said shoulder, a pin member extending through an opening in said plate member and bearing against said diaphragm, an armature mounted upon the pin member, an electromagnet for actuating the armature to reciprocate the pin, and means for mounting said electromagnet upon said plate between the plate and said armature, the opening in said plate serving to guide said pin in its reciprocatory movement by said electromagnet.

2,081,620
METHOD AND APPARATUS FOR MANUFACTURING FRICTION LININGS
Donald W. Fether, Downey, Calif., assignor to Ensco Asbestos Company, Downey, Calif., a corporation of California
Application June 17, 1935, Serial No. 27,132
9 Claims. (Cl. 139—36)



1. Apparatus for making woven friction linings that includes, means for weaving upper and lower courses of yarns converging toward a weave point, a stationary container for supplying a pulverulent solid substance, and means for intermittently dropping by gravity alone, the pulverulent solid substance supplied from said container vertically upon the top surfaces of the yarns at substantially the weave point.

2,081,621
RAIL ANCHOR
Albert F. Fifield, St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application July 31, 1934, Serial No. 737,796
2 Claims. (Cl. 238—329)



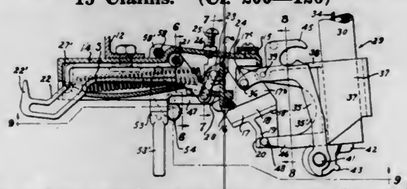
1. In a rail anchor, a rail gripping member of generally channel form, the channel base of which has a perforation therein opening into inclined aligned notches in the channel legs which conform generally to the shape of a rail base flange edge and adapted to embrace and grip said edge, the upper side of the base perforation overlying the gripped flange and being spaced therefrom, the base perforation at its lower side terminating in a transverse edge below the rail base, a resilient locking element comprising an arm adapted to be projected through the base perforation and under the rail and terminating in a hook engageable with the opposite rail flange edge and the arm inwardly of the hook end engaging the underside of the rail base at opposite sides thereof and spaced therefrom intermediately thereof, and the locking element comprising a loop portion at the end opposite the hook disposed between the channel sides of the gripping member and having a free end resiliently engaging the said intermediate spaced portion of the arm and outwardly of the free end engaging the said transverse edge and resiliently reacting on said gripping member at said edge only to exert pull on the gripping member to urge it in edge-gripping direction irrespective of minor variations of inclination of said channel base and of said notches.

2,081,622
MICROPHONE PLUG
Everette M. Foster, Cedar Rapids, Iowa, assignor to The Turner Company, Cedar Rapids, Iowa, a corporation of Iowa
Original application April 17, 1935, Serial No. 16,786, now Patent No. 2,062,125. Divided and this application November 23, 1936, Serial No. 112,422
6 Claims. (Cl. 179—189)



5. In combination, a standard, a microphone on the standard, cooperative plug and jack members on the standard and microphone for electrically connecting the two members and supporting the microphone on the standard and rotatable means for manually locking the microphone on the standard.

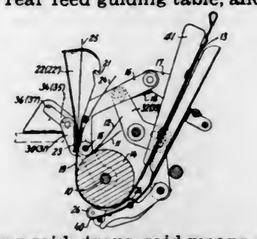
2,081,623
FUSE SWITCH
Charles Adin Fox, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application April 6, 1935, Serial No. 14,999
15 Claims. (Cl. 200—126)



5. A fuse switch comprising a plurality of fusing units including each a movably supported carriage and a fuse cartridge supported thereby, an expansible and contractile coil spring connected to the carriage of each fusing unit and adapted to move said carriage, cocking means, including a pivotally supported lever, associated with each fusing unit for moving and locking the carriage thereof in a manner to tension the associated coil spring, and releasing means operable by movement of a fusing unit out of the fusing position and adapted to release the tensioned coil spring of another fusing unit so as to permit said coil spring to move the associated carriage to a position where the fuse cartridge carried thereby assumes the fusing position.

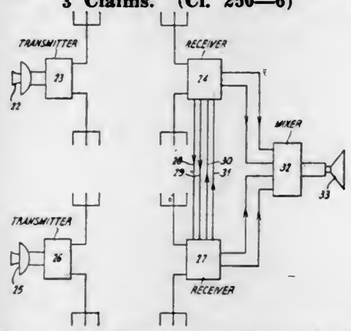
2,081,624
CALCULATING AND BOOKKEEPING MACHINE
Kurt Gelpke, Berlin-Neukölln, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application September 5, 1935, Serial No. 39,212
In Germany December 11, 1934 (Design)
6 Claims. (Cl. 197—128)

1. In a machine of the class specified in combination with a laterally shiftable carriage provided with a platen rockable into and out of printing position, a front feed guide chute for feeding record material from the front, a front feed guiding table, a rear feed guiding table, of resilient straps wound around said platen and fastened to the rear feed guiding table, and of means



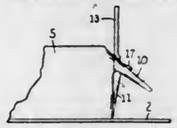
for connecting said straps, said means cooperable with said front feed guide chute to hold the straps in the front feed chute for front feeding with the carriage out of printing position.

2,081,625
PUBLIC ADDRESS SYSTEM AND THE LIKE
Alfred N. Goldsmith, New York, N. Y.
Application March 6, 1935, Serial No. 9,527
3 Claims. (Cl. 250—6)



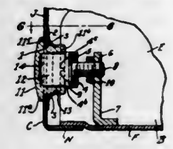
1. A public address system comprising a plurality of spaced microphones, a plurality of ultrashort wave radio transmitters connected to said microphones and operable over different frequency ranges, a plurality of radio receivers tuned to the individual transmitters and means interconnecting said receivers to suppress sound transmitted from the microphone most remote from the origin of the transmitted sound by controlling the corresponding receiver.

2,081,626
APPARATUS AND METHOD FOR SEALING WAXED WRAPPERS
Ralph A. Hayward, Parchment, Mich., assignor to Kalamazoo Vegetable Parchment Company, Parchment, Mich.
Application December 31, 1935, Serial No. 56,943
14 Claims. (Cl. 93—2)



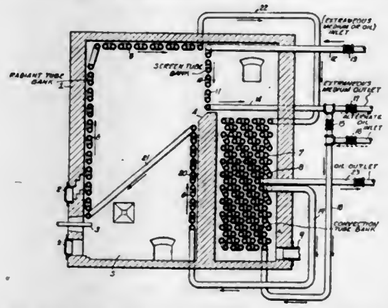
1. In a sealing means for waxed wrappers, the combination of sealing flap folding means arranged to form and fold front, rear, bottom and top flaps in the order named, means for introducing a limited amount of water into the flaps before the top flap is closed, and a heating means acting upon the closed flaps whereby the water is converted into steam and facilitates the distribution of heat and the fusing of the wax.

2,081,627
METER BOX
Walter A. Heinrich, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application April 9, 1936, Serial No. 73,455
5 Claims. (Cl. 40—2.2)



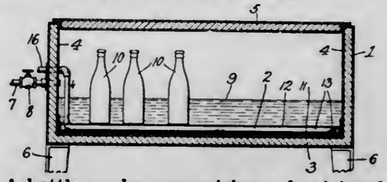
1. A seal for a receptacle having a displaceable closure member, comprising a sealing element formed of readily breakable material adapted to close an opening formed in a portion of said receptacle through which access may be had to a securing member for fastening said closure member in the closed position, said sealing element being provided with a groove, and means for securing said sealing element in said opening, said means comprising an element secured to a portion of the receptacle adjacent to said opening and having a plurality of radially disposed, yieldable fingers adapted to be displaced by said sealing element when same is being introduced into the sealing position in said opening and movable into said groove of the sealing element when said sealing element has reached the sealing position so as to prevent removal of the sealing element without breaking same.

2,081,628
PIPE STILL
D. Ronald Johnson, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application February 17, 1932, Serial No. 593,494
4 Claims. (Cl. 196—110)



1. A tube still comprising in combination a setting divided into two sections by a bridge wall and partition tube bank in substantially the same plane as the bridge wall, means for burning fuel in one of said sections, means communicating with the other of said sections for withdrawing gases of combustion from said setting, a tube bank disposed in said fuel burning section adapted to be heated mainly by radiant heat, a tube bank disposed in the other of said sections adapted to be heated mainly by convection heat, means providing communication between said tube banks whereby hydrocarbon oil to be treated may be passed through said convection heated bank and said radiant heated bank in series, and means for passing an extraneous cool medium through said partition tube bank.

2,081,629
BOTTLE COOLER
Herman W. Kleist, Chicago, Ill., assignor to Dole Refrigerating Machine Company, Chicago, Ill., a corporation of Illinois
Application August 10, 1933, Serial No. 684,499
2 Claims. (Cl. 62—141)

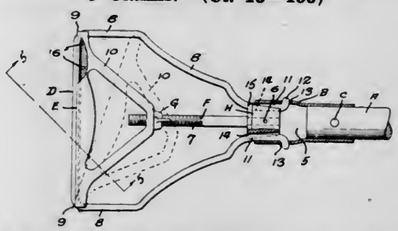


1. A bottle cooler comprising a heat insulated receptacle, a cooling plate extending across said receptacle so as to form the bottom thereof, said cooling plate comprising two separated metal sheets, a pipe through which the refrigerant is circulated between said sheets, the sheets being hermetically sealed and the air being withdrawn, the sheets being tightly pressed against the pipe by the pressure of the outside air, and bottles resting on the cooling plate.

2,081,630
METHOD OF MAKING LIQUOR FINISHED WIRE
William E. Leonard, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application January 21, 1935, Serial No. 2,835
1 Claim. (Cl. 29—148)

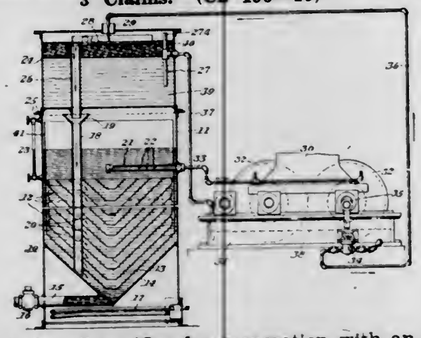
A method of producing liquor finished ferrous wire, including drawing wire completely to its ultimate gage, then subjecting said wire to the action of a metallic salt solution of such character as to produce a coating of the color desired and subsequently burnishing without any reduction in said gage and drying said wire.

2,081,631
MOP HEAD
Rinsai Maeda, Seattle, Wash.
Application January 13, 1936, Serial No. 58,900
3 Claims. (Cl. 15—153)



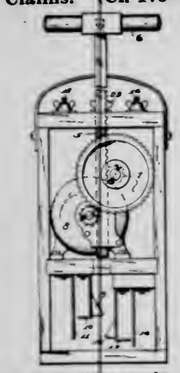
2. A mop head comprising two jaws slidably mounted one inside the other, the outer jaw provided with necks parallel with each other and the tips thereof bent outward at right angles, a handle socket provided with oppositely positioned apertures for holding such tips, a tightener bolt and a wedge head affixed thereon, and adapted to be compressed into said socket between such necks, the outer end of said bolt slidably connected with said inner jaw member and provided with a thread and nut thereon, for compressing said inner jaw outward against said outer jaw and for simultaneously compressing said tapered head into said socket for rigidly binding said necks within said socket.

2,081,632
OIL PURIFIER
William C. McBain, Youngstown, Ohio, assignor to The Cold Metal Process Company, Youngstown, Ohio, a corporation of Ohio
Application February 3, 1933, Serial No. 655,060
3 Claims. (Cl. 196—16)



1. An oil purifier for cooperation with an oil consuming device having a sump, comprising a treating tank, a conduit extending from a point adjacent the middle of the tank to the consuming device for carrying purified oil from the tank thereto, a transverse partition in said tank above said conduit, a conduit extending from a point below the top of the tank to the sump for carrying an aqueous coagulant fluid from the tank to the sump, a conduit extending from the sump to a point adjacent the top of the tank for delivering to the latter a mixture of used oil and the coagulant, and means for delivering oil from the upper part of the tank to a point adjacent said first-mentioned conduit.

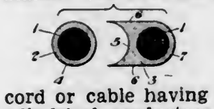
2,081,633
METHOD OF AND APPARATUS FOR FIRING EXPLOSIVES
David M. McFarland, West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application January 15, 1934, Serial No. 706,752
28 Claims. (Cl. 175—91)



1. The method of firing electrical firing elements which comprises generating current by a single manual operation of a shunt wound blasting machine, imparting current so generated to a plurality of circuits, each of which comprises at least one electrical firing element connected in series, through a time switch mechanism adapted to actuate each circuit at progressively different times; the time intervals betwen the actuation of consecutive series circuits being within the range of .005 to .035 second.

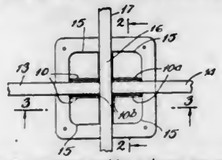
6. In combination with a manually operated, single stroke shunt-wound blasting machine having a transient output capacity and comprising an actuating part, a plurality of circuits each containing at least one electrical firing element connected in series, and circuit closing means for said several circuits incorporated in said blasting machine and means for actuating said circuit closing means successively at intervals of at least .002 second under the movement of said actuating part.

2,081,634
ELECTRIC CORD OR CABLE
Owen A. McNamee, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 27, 1934, Serial No. 745,821
1 Claim. (Cl. 173—264)



An electric cord or cable having at least two substantially cylindrical conductors of the same diameters arranged in parallel relationship and insulated with individual coverings of elastic material of the necessary thicknesses, one of said coverings having an outside that is cylindrical and the other of said coverings having an outside that includes a longitudinally extending semi-cylindrical groove of the same radius as that of the outside of the first named covering, and flat parallel surfaces which proximately bound said groove and extend tangentially away therefrom, the first named covering being snugly fitted into the groove in the second named covering and means provided for holding the two together with the outside of the first named covering in contact with said groove included by the outside of the second named covering.

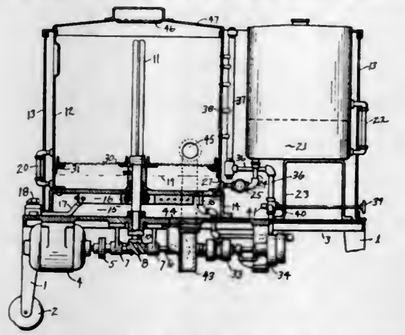
2,081,635
FOUR-WAY SUPPORTING DEVICE
Pierre H. Meyer, Mount Vernon, N. Y.
Application July 31, 1936, Serial No. 93,609
3 Claims. (Cl. 312—140)



1. A device for supporting two or more partition walls disposed in angular relation with respect to each other, said device comprising a rectangular flat base plate adapted to be secured to a supporting surface, a pair of U-shaped clips projecting upwardly from one surface of said base plate and adjacent edges of the pair of clips being spaced apart a distance substantially equal to the distance between the side walls of said clips where they join the base plate.

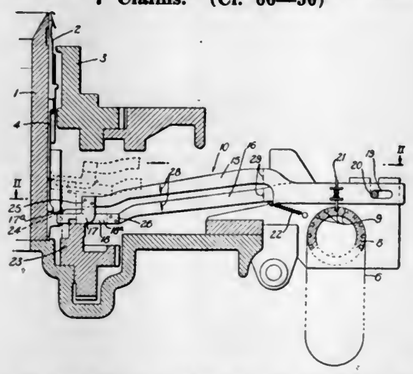
2,081,636
KITCHEN UTILITY DEVICE
Stanley Minors, Youngstown, Ohio
Application February 16, 1935, Serial No. 6,845
2 Claims. (Cl. 141—9)

1. In a device of the class described comprising a base, a container supported on said base, an air chamber formed by and between said base and the bottom of said container, said chamber being substantially closed but permitting the entrance of air thereto, a rotating central shaft within said container, means for rotating said central shaft, a tray supported and rotated by said shaft within said container, a heating unit below said container and in the upper portion of



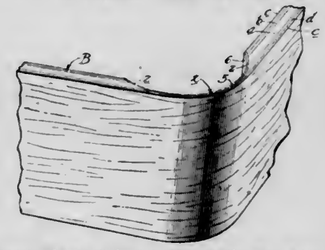
the said air chamber for the dual purpose of heating the water in the container and the air in the air chamber, a water inlet to said container, a plurality of jets positioned within said container together with pumping means for forcing hot water from the container to the jets for washing purposes, and a manually controlled fan means for transferring heated air from the air chamber to the container for drying purposes.

2,081,637
PATTERN MECHANISM
Edward Nufer, North Bergen, N. J., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa., a corporation of New York
Application July 29, 1936, Serial No. 93,193
7 Claims. (Cl. 66—50)



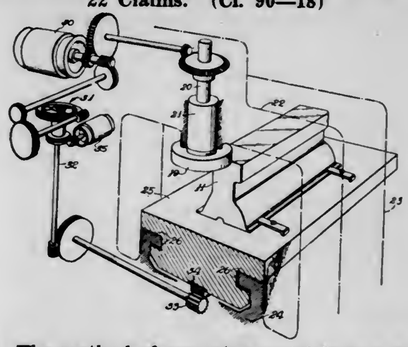
1. In a pattern mechanism of the kind indicated, a plurality of selector members, each including a body portion and a separate shoe fastened to said body portion, said plurality of shoes having parts lying substantially side by side and of each two adjacent shoes one having a part projecting beyond the other shoe in one direction and said other shoe having a part projecting beyond the first mentioned shoe in another direction, so that said two adjacent shoes have parts lying in other than side by side relation, and each of said body portions being connected to the said projecting part of its respective shoe.

2,081,638
ROUND CORNER
Orville R. Owens, Chicago, Ill., assignor to Wells-Gardner & Company, Chicago, Ill., a corporation of Illinois
Application May 21, 1936, Serial No. 80,929
1 Claim. (Cl. 20—89)



A veneer board bent through an arc and integrally reinforced to provide a rigid, round and hollow corner structure, said board being provided on one face with a cut-out section which extends for the depth of the bend, said cut-out section extending into the body of the board to a point just short of its outer surface layer to provide a thin web portion of substantially uniform thickness which extends along the board for a distance substantially equal to the length of the arc of the bend and terminating at its two ends in shoulders bevelled to the normal inner surface of the board, and a veneer strip bent to the curvature of the web portion and adhered to the inner surface thereof and to the faces of the bevelled shoulders to exert a tension for counterbalancing that of the board, whereby to resist deformation of the round corner structure.

2,081,639
METHOD OF AND APPARATUS FOR FACE MILLING
Raymond S. Perry and Alexander Oberhoffken, Rockford, Ill., assignors to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application August 27, 1934, Serial No. 741,638
22 Claims. (Cl. 90—18)



1. The method of removing metal from a work piece to form a plane surface comprising bodily moving the work piece and a cutting tool at a continuous rate relative to each other longitudinally of the surface to be formed, and in the course of such movement taking a succession of arcuate cuts across the work piece of substantially uniform width and in substantially parallel planes progressively approaching and finally terminating in the plane of said surface whereby to remove the metal in a multiplicity of thin layers

having substantially greater width in the direction of said movement than thickness in a perpendicular direction, and successively taking similar successions of cuts across progressively advancing overlapping zones of the work to form a continuous plane surface defined by the cutting edges last engaging said overlapping zones.

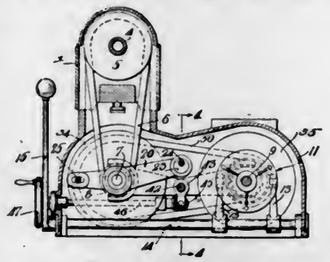
2,081,640
VENTILATOR ATTACHMENT
Ulric K. Petersen, Portland, Oreg.
Application August 6, 1936, Serial No. 94,492
14 Claims. (Cl. 126—299)



2. A ventilator attachment for a range including a horizontal shelf spaced above the rear of the top cooking surface of said range, said shelf extending substantially the entire length of said range, side plates extending upward from the ends of said cooking surface and supporting said shelf at each end, the lower portion of said side plates extending substantially across said cooking surface from front to rear, a rear plate extending upward from the rear of said cooking surface, a slotted opening between said rear plate and said shelf, said slot extending substantially the entire length of said shelf, a vent pipe, a chamber connecting said slotted opening with said vent pipe, whereby air passing thru said vent pipe will be drawn in thru said slotted opening, bracket-like vanes connecting said shelf and said back plate spaced between said side plates, said vanes serving to divide the currents of air drawn into said slotted opening, said vanes and said side plates acting to prevent side drafts from interfering with the currents of air thru said slotted opening, means for creating air suction thru said vent pipe, whereby currents of air will pass over said cooking surface into said slotted opening carrying with them the fumes and smoke arising from said cooking surface, means for collecting grease in said chamber and for removing such collected grease.

2,081,641
LATHE
Frederick T. Potter, Whitinsville, Mass., assignor to Stark Tool Company, Waltham, Mass., a corporation of Massachusetts
Application March 5, 1936, Serial No. 67,241
4 Claims. (Cl. 74—230.17)

1. A lathe comprising a spindle, a pulley for driving the spindle, a countershaft, a pulley on the countershaft, a belt trained over said pulleys, a driven shaft, means supporting said countershaft for movement toward and away from both said spindle and driven shaft, a driving shaft, a clutch for interconnecting the driving and driven shafts, V-pulleys on said driven and counter-posite stationary cones fast to their respective shafts and opposite adjustable cones movable along their respective shafts, means for moving said adjustable cones in unison, means coacting



with said means supporting said countershaft for moving said countershaft toward and away from said driven shaft and said spindle and means for locking said countershaft in adjusted position.

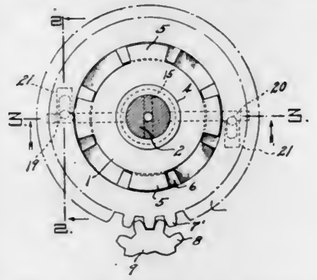
2,081,642
INDURATING COMPOSITION FOR CONCRETE
Edward W. Scripture, Jr., Shaker Heights, Ohio
No Drawing. Application February 4, 1936, Serial No. 62,297
11 Claims. (Cl. 106—27)

1. An indurating composition for concrete or mortar, comprising waste sulphite liquor and calcium chloride.

2,081,643
INDURATING COMPOSITION FOR CONCRETE
Edward W. Scripture, Jr., Shaker Heights, Ohio
No Drawing. Original application February 4, 1936, Serial No. 62,297. Divided and this application February 5, 1937, Serial No. 124,272. In Canada November 2, 1936
7 Claims. (Cl. 106—27)

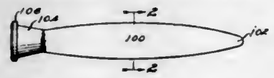
1. An indurating composition for concrete or mortar, comprising waste sulphite liquor and alkali metal silicate.

2,081,644
ANTIRATTLING GEAR
Ethelbert Hamilton Smythe, Detroit, Mich.
Application September 26, 1936, Serial No. 102,673
6 Claims. (Cl. 74—440)



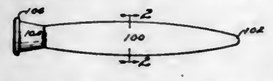
1. An anti-rattling gear comprising a two-part toothed gear having the parts thereof in face to face relationship, one of said parts being revoluble relative to the other to offset the teeth for the purpose stated, and hydraulic means for causing rotation of the rotatable part relative to the other.

2,081,645
METHOD OF PRODUCING PROPELLER BLADES
John Squires, Hagerstown, Md., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 5, 1933, Serial No. 679,133
78 Claims. (Cl. 29—156.8)



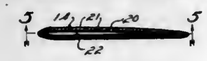
1. In the manufacture of a propeller blade from a hollow cylindrical metal blank, the steps of first tapering said blank both interiorly and exteriorly, and supporting the interior surface of said tapered blank against reduction in size while operating upon the exterior surface to taper the wall thickness of said blank from end to end.

2,081,646
METHOD OF MAKING PROPELLER BLADES
John Squires, Hagerstown, Md., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 5, 1933, Serial No. 679,136
Renewed November 4, 1936
22 Claims. (Cl. 29—156.8)



1. The method of forming a propeller blade blank including forming a tubular blank closed at one end, and internally formed to predetermined dimensions, placing said tube over a mandrel externally conforming to the interior of said tube, and then machining the exterior of said tube in a predetermined and constantly varying relation with respect to the exterior surface of said mandrel whereby to impart a wall thickness to said blank varying from one end thereof to the other.

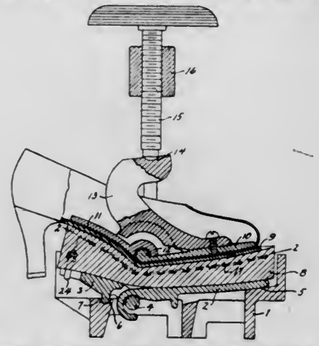
2,081,647
PROPELLER BLADE
John Squires, Hagerstown, Md., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Original application July 5, 1933, Serial No. 679,133. Divided and this application April 2, 1934, Serial No. 718,574
5 Claims. (Cl. 170—159)



1. A hollow metal propeller blade having its internal surfaces covered by a coating of electrolytically deposited metal and of paint-like material.

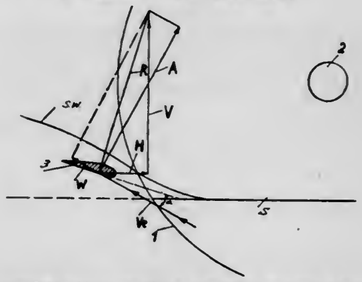
2,081,648
SHOE PRESSING MACHINE
Maxwell C. Suerken, Erie, Pa., assignor to Lamac Process Company, Erie, Pa., a corporation of Delaware
Application July 9, 1936, Serial No. 89,723
9 Claims. (Cl. 12—38)

1. In a shoe pressing machine, the combination of a sole support of resilient material of the nature of rubber, the thickness and resilience of the support alone controlling the cushioning effect of the support; a pressure foot adapted to exert pressure on a shoe bottom in



contact with a sole on the support; and an electric heating element arranged in the support.

2,081,649
PADDLE WHEEL PROPELLER FOR SHIPS
Franz Süberkrüb, Hamburg, Germany
Application July 26, 1935, Serial No. 33,381
In Germany August 1, 1934
1 Claim. (Cl. 115—0.5)

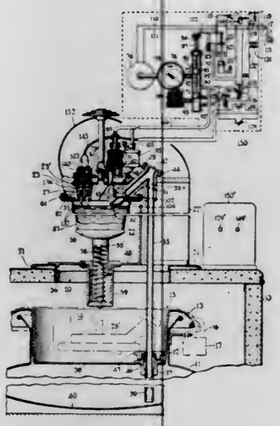


In combination with a paddle wheel propeller of a ship having its paddles working alternately through the water and through the air, a fin behind said paddle wheel, having the profile of an aeroplane wing, said fin arranged parallel to the axis of said paddle wheel and fastened to the ship's hull at a place entirely within the surface wave formed behind the wheel when the wheel is rotating and in such angular position, that the underside of the profile opposes the upward and rearward moving water in the front part of said surface wave at a small angle.

2,081,650
SANITARY LIQUID DISPENSER
William Tamminga and Ottorino Bonomi, New York, and Robert E. Corradini, Bronx, N. Y., and Howard M. Jones, Huntington, W. Va.; said Tamminga, Bonomi, and Jones assignors to said Corradini
Application February 4, 1935, Serial No. 4,734
22 Claims. (Cl. 226—116)

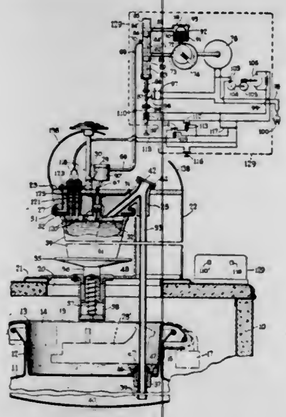
21. In a liquid dispensing device, a liquid dispensing head having a discharge duct with a discharge opening, operating means for said dispensing head including a gaseous energy source, electrically actuated control means causing said gaseous energy source to produce an outflow of liquid through said discharge duct by way of said discharge opening, and electrical cut-off means including a circuit portion formed by the dis-

charged liquid actuated at a predetermined stage of the discharge of the liquid from said



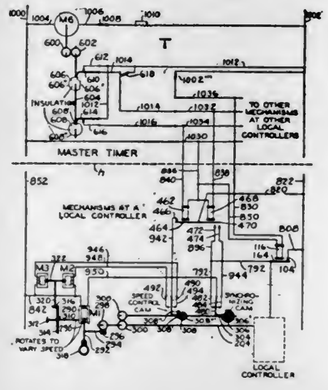
discharge opening for stopping the flow of said liquid.

2,081,651
SANITARY LIQUID DISPENSER
William Tamminga and Ottorino Bonomi, New York, and Robert E. Corradini, Bronx, N. Y.; said Tamminga and said Bonomi assignors to said Corradini
Application May 9, 1935, Serial No. 20,578
20 Claims. (Cl. 226—116)



1. In a device for dispensing an emulsion-like liquid from a container, a dispensing member having a discharge duct with a discharge opening for discharging liquid from said container through said opening, operating means including a gaseous energy source, and control means for applying energy from said source to produce a discharge of liquid from said container through said discharge duct into said discharge opening or a discharge of gas through said discharge duct into said liquid, said gaseous energy source being proportioned to deliver gas of sufficiently large energy and said duct having sufficiently low flow resistance for producing with the gas discharged into said liquid an agitating motion required to distribute substantially uniformly within said liquid separable substances contained in said liquid.

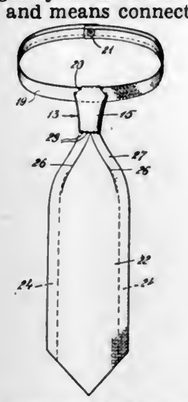
2,081,652
SYNCHRONIZING AND SPEED CONTROL SYSTEM AND MECHANISM
Harrison Irving Turner and Carl Ludwig Anderson, Moline, Ill., assignors to Eagle Signal Corporation, Moline, Ill., a corporation of Massachusetts
Original application December 3, 1934, Serial No. 755,742. Divided and this application November 14, 1935, Serial No. 49,766
7 Claims. (Cl. 172—293)



6. In a synchronizing and speed control system, means for periodically formulating impulses, a controlled mechanism having a cycle of operation of predetermined length and including a variable speed driving motor, means effective during each cycle of said mechanism for synchronizing the cycles of said mechanism responsive to said formulating-means impulses, means mechanically connected with said driving motor and responsive to said impulses for exerting a force to cause increase or decrease in the speed of said driving motor resultant from premature or tardy time of attainment of predetermined stages in the operating cycle of said mechanism with respect to the time of occurrence of said impulses whereby the speed of said motor will be governed for substantially maintaining predetermined relationship between formulation of impulses in the cycles of controlled mechanism operation.

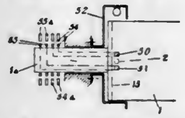
2,081,653
NECKWEAR
Charles A. Whiting, Franklin, Mass., assignor to Whiting & Davis Company, a corporation of Massachusetts
Application October 22, 1935, Serial No. 46,057
7 Claims. (Cl. 2—150)

1. A necktie comprising a forming member, a metal mesh covering folded around said member to form a knot-like body and with its lateral edges lying at the rear of the body, an elongated metal mesh flap secured at one end to the lower portion of said covering with its upper edge lying inside the covering, the upper end of said flap having its sides folded across the front of the flap and doubled back to form a pair of flat surfaces extending divergently downward from the lower end of said body, and means connected to the upper



portion of said covering for holding said body and flap on the neck of the wearer.

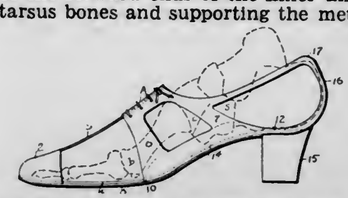
2,081,654
WEB FEEDING DEVICE
Otto Wohlrabe, Plauen, Germany, assignor to Bell Punch Company Limited, London, England
Original application May 23, 1929, Serial No. 365,353. Divided and this application April 22, 1933, Serial No. 667,443. In Germany June 13, 1928
19 Claims. (Cl. 271—2.6)



1. Apparatus for use in maintaining the registration of a continuously fed preprinted web of material having index means disposed at regular intervals along the length thereof, comprising a conveyor with which the web engages, said conveyor being provided with an element adapted normally to move in synchronous registration with said moving index means and means for controlling the web to register the same correctly with said element, said controlling means including a source of radiation of which the intensity is variable by relative displacement of said element and said index means, and a device responsive to the degree of intensity of said radiation incident thereon during the continuous feeding of said web to effect said control when the said index means and the said movable element are out of register.

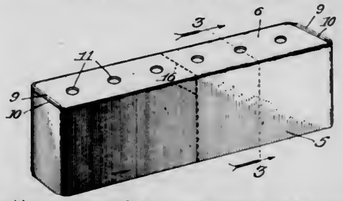
2,081,655
ORTHOPEDIC SANDAL
Loney B. Adams, St. Petersburg, Fla.
Application April 25, 1935, Serial No. 18,137
2 Claims. (Cl. 36—8.5)

1. An orthopedic sandal of the character described comprising inner and outer soles, a heel, an upper portion, said portion having a tip section at the forepart of the soles for housing the toes, an upstanding heel supporting member secured to said soles and to the rear of said upper portion, said upper portion having attached thereto two spaced strap members on each side thereof, said spaced strap members extending downwardly from said upper portion and secured to said soles, the forward strap members of said upper portion being positioned slightly to the rear of the forward ends of the inner and outer metatarsus bones and supporting the metatarsal



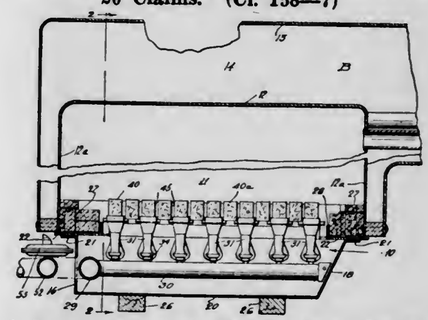
portion of the foot, and the rearward strap members depending from the upper portion and secured to the soles, and being positioned opposite to and supporting the scaphoid, cuboid and cuneiform bones.

2,081,656
CARTON
Herman R. C. Anthony, Madison, Wis., assignor to Ray-O-Vac Company, Madison, Wis., a corporation of Wisconsin
Application April 8, 1935, Serial No. 15,334
1 Claim. (Cl. 136—132)



A battery assembly comprising: six dry cells arranged in lateral juxtaposition; and a six-sided sealed cardboard box completely enclosing said cells, the top and bottom walls of said box having apertures in alignment with upper and base contacts of said cells to enable the cells to be tested individually while sealed in the box, and said box having communicating lines of weakening in three of its sides in a plane dividing the box into two parts each containing three of the cells whereby the box can be broken open along said lines of weakening while the unweakened side forms a hinge.

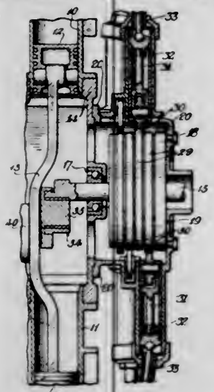
2,081,657
GAS BURNER AND COMBUSTION CONTROL APPARATUS
Ben Douglass Balthis, Glendale, Calif., assignor to Natural Gas Equipment Inc., Los Angeles, Calif., a corporation of California
Application July 20, 1935, Serial No. 32,386
20 Claims. (Cl. 158—7)



1. In apparatus of the character described, the combination comprising a pair of horizontally

spaced upwardly discharging burner nozzles, lugs projecting from the inside and outside of the walls of said nozzles, a fire brick supported on the lugs within each nozzle, and an intervening fire brick supported on the outside projecting lugs of the two nozzles.

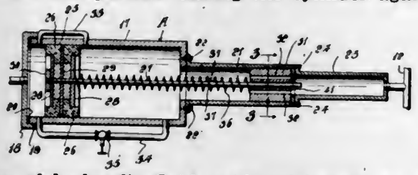
2,081,658
VALVE CAM OPERATION
Henry E. Blomgren, Floral Park, N. Y., assignor of one-fourth to William D. McGurn, Rockville Centre, Long Island, N. Y.
Original application October 22, 1932, Serial No. 639,055, now Patent No. 2,041,319, dated May 19, 1936. Divided and this application August 23, 1933, Serial No. 686,465
1 Claim. (Cl. 123—56)



In a machine of the character described, a case, a shaft mounted therein and projecting from the case, a bearing mounted on the case, said shaft journalled in the bearing, a dome-shaped casing having an open flanged base bolted to the case around the bearing and shaft, said shaft being extended through said casing, a cylindrical large-diameter bearing sleeve on the wall of the casing opposite the case on an axis parallel to that of the shaft, a bearing within the sleeve, the outer part of said shaft journalled in the last named bearing, a barrel cam revoluble on the sleeve, projecting therebeyond toward the case, a spacer between the case and the adjacent end of the cam, said projecting part of the cam having an internal gear thereon, and a gear connection between the shaft and the internal gear; whereby unbolting of said casing will free the cam for removal, and whereby a valve operating assembly may be removably mounted as a unit on the exterior of a motor case.

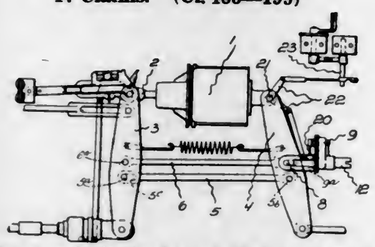
2,081,659
AUTOMATIC SAFETY DEVICE FOR HYDRAULIC BRAKES
Harold G. Brown, Scottsville, Ky.
Application July 28, 1936, Serial No. 93,062
2 Claims. (Cl. 303—84)

1. In combination with a hydraulic brake system having a master cylinder and brakes on opposite sides thereof, safety devices in the system normally inactive, said devices being subject to the pressure of the hydraulic fluid in the event of leakage to close the respective devices against loss of the hydraulic fluid, said devices comprising cylinders, pistons in the cylinders, by-passes from one side of the pistons to the other side, a rod extending from each piston, a guide for each piston rod, each guide having openings therethrough for the flow of the hydraulic fluid and latch means carried by each rod for coaction with the said guide to lock the piston in a position closing the cylinder against



loss of hydraulic fluid, said rod having an expansive coil spring about the same engaging the piston and the guide, said latch means comprising an element resiliently connected to the rod, and said rod having a clearance slot to receive the latch when it passes through the guide.

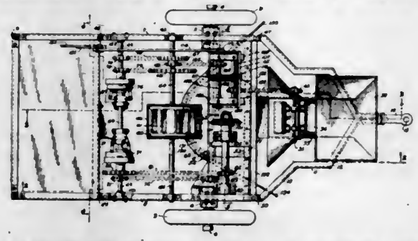
2,081,660
LEVERAGE CHANGING MECHANISM FOR VEHICLE BRAKES
Axel Georg Hjalmar Carlbom, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a Swedish company
Application November 8, 1934, Serial No. 752,167
In Germany November 16, 1933
17 Claims. (Cl. 188—195)



1. In a vehicle brake of the character described, a brake lever, means for performing a movement of said lever for the purpose of applying and releasing the brake, a number of connection links adapted to coact with said brake lever at different points of its length, means adapted to permit a certain maximum amount of lost sliding motion of one of said connection links in relation to the brake lever in the direction of length of the connection link, means for reducing the maximum amount of said lost sliding motion, such reducing means being adapted to be cut into or out of action at will, a housing surrounding said reducing means and hingedly mounted on the brake lever, an extension of the aforesaid one connection link slidably mounted in the housing, guiding means provided in the housing for said link extension and adapted to keep the housing in its position, and an abutment means provided on the link extension and adapted to coact with the aforesaid reducing means for limiting the amount of lost motion.

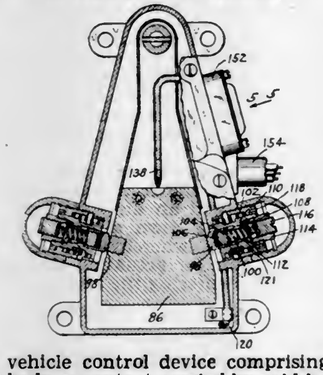
2,081,661
SCATTERING UNLOADER
Harry H. Dodge, Williamsport, Pa., assignor to Bryan Engineering Company, Inc., Williamsport, Pa., a corporation of Pennsylvania
Application December 9, 1935, Serial No. 53,623
2 Claims. (Cl. 275—8)

1. In a wheeled traction device of the character described the combination of a reservoir for the material to be scattered; conveyor means to replenish said reservoir; a rotary material scatterer; feeding means to deliver the material from said reservoir to said scatterer; and power transmission means operable from a wheel of



said device for driving at will the material feeding means, the scatterer and the reservoir replenishing means, said transmission including means for engaging and disengaging one of the operating drives by a bodily movement of an intermediate transmission shaft.

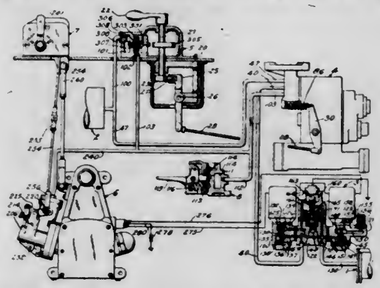
2,081,662
RAILWAY VEHICLE CONTROL APPARATUS
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 23, 1934, Serial No. 707,918
15 Claims. (Cl. 303—24)



1. A vehicle control device comprising a suspended body, a contact carried by said body, stationary contacts adapted to be engaged by said first contact when said body is moved, a plurality of springs opposing movement of said body, and means whereby a force of inertia acting upon said body causes it to move to compress one of said springs and to thereafter cause said first contact to engage one of said stationary contacts, and means whereby another force of inertia acting upon said body causes it to compress another of said springs to thereafter cause said first contact to engage another of said stationary contacts.

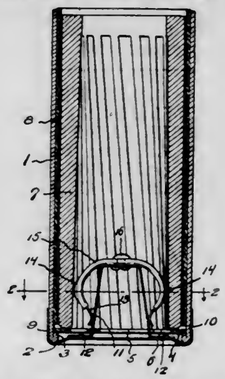
2,081,663
RETARDATION CONTROLLER
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 9, 1935, Serial No. 971
26 Claims. (Cl. 303—24)

1. In a vehicle brake apparatus, in combination, manually operable means for effecting an application of the brakes, an inertia responsive member movable in response to changes in the speed of the vehicle and operable to control the degree of application of the brakes, whereby the degree of application of the brakes is limited to a degree effective to produce a predetermined rate of retardation of the vehicle, and manually operated means independent of the manually operable means for effecting an application of the



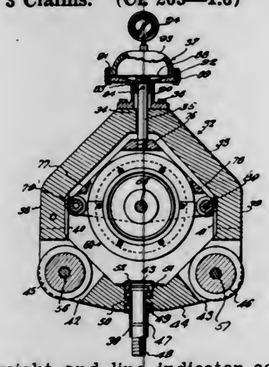
brakes and operable during an application of the brakes for selectively adjusting the inertia responsive means whereby the changes in speed to which said inertia responsive member is responsive are selectively varied, and whereby the inertia responsive member may be selectively adjusted to control the degree of application of the brakes to effect different rates of retardation of the vehicle.

2,081,664
CARTON
Frederick L. Fox, Washington, D. C.
Application June 19, 1936, Serial No. 86,208
9 Claims. (Cl. 206—15)



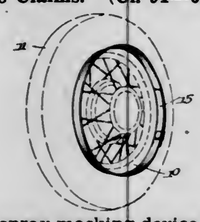
1. As a new article of manufacture, a bottom member for cylindrical record cartons having a central opening therein, a rigid support consisting of an inverted substantially U-shaped strip of metal extending upwardly from said bottom member and having end portions at the bottom thereof spaced a substantial distance apart and secured to said bottom member at opposite sides of the opening therein, and record-engaging means including a substantially C-shaped strip of spring metal fastened intermediate its ends to the upper or intermediate portion of said support, the ends of said spring extending outwardly and downwardly from the intermediate portion of said support for engagement with the bore of a record and being free of connection with the support and said bottom member at the terminals thereof.

2,081,665
WEIGHT AND LINE INDICATOR
Howard H. Greene, Oklahoma City, Okla.
Application December 31, 1934, Serial No. 760,058
3 Claims. (Cl. 265—1.6)



3. In a weight and line indicator comprising a frame for mounting on a support, the upper portion of the frame being of an inverted V-shaped formation, a vertically movable carriage of triangular formation mounted in the frame and movable into said inverted V-shape portion of the frame, a main wheel on said carriage, guide wheels at the lower corners of said carriage, legs depending from the V-shape portion and forming part of the frame, runners mounted on the inner side of the legs engaged by the guide wheels, supplementary wheels on the frame, said supplementary wheels being designed to carry a cable thereacross while said main wheel rests upon that portion of the cable which extends between the supplementary wheels, a gauge on the apex of the inverted V-shape portion of the frame, and means operatively connecting the gauge with the carriage.

2,081,666
PAINT SPRAY MASKING DEVICE FOR AUTOMOBILE WHEEL AND TIRE ASSEMBLIES
Elbert V. Gunn, Tulsa, Okla.
Application July 29, 1936, Serial No. 93,302
8 Claims. (Cl. 91—65)



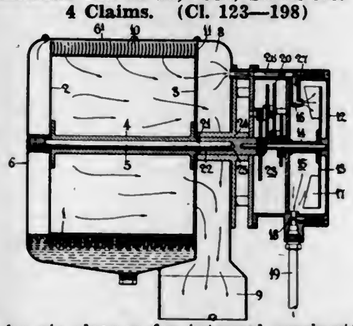
1. A paint spray masking device for automobile wheel and tire assemblies, comprising a split band adapted to be applied to the periphery of the rim of an automobile wheel to project axially of the wheel for protecting the tire or the rim from paint being sprayed on the other of said members.

2,081,667
PROCESS FOR TREATING SEEDS, BULBS, AND TUBERS
George Edward Heyl, Mill Hill, England
No Drawing. Application August 29, 1935, Serial No. 38,463. In Great Britain August 31, 1934
7 Claims. (Cl. 47—58)

1. A process for treating seeds, consisting in coating the seeds with latex, with the latex impregnated with constituents such as a fertilizer and a fungicide to assist in the growth of the plant.

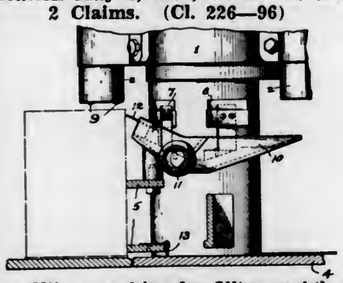
3. A process for treating seeds, consisting in coating the seeds with latex impregnated with a fertilizer, nitrogen collecting bacteria, and fungicide harmless to bacteria.

2,081,668
AIR CLEANER FOR INTERNAL COMBUSTION ENGINES
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application March 25, 1935, Serial No. 12,935
4 Claims. (Cl. 123—198)



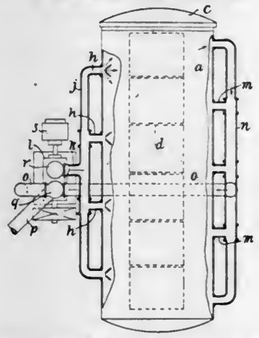
1. An air cleaner for internal combustion engines, comprising, in combination with the intake manifold of the internal combustion engine and the air intake of its carburetor, a movable air screening member, a liquid bath through which the screening member is moved for wetting surface portions thereof, means for directing an air flow over the exposed wet surface portions of the screening member, a suction operated motor operatively connected to the screening member for so moving the same through the bath, a suction passage from the motor to the intake manifold, and an air inlet leading into the motor from the down stream side of the screening member, whereby the air drawn through the motor for actuating the same will be cleaned before entering the manifold.

2,081,669
FILLING MACHINE
Author E. Hughes, Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application May 4, 1934, Serial No. 723,984
2 Claims. (Cl. 226—96)



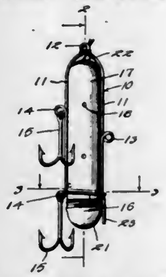
1. In a filling machine for filling mobile materials into positioned containers comprising a rotatable element for successively receiving a series of containers and moving them through a predetermined path, filling means located above said containers and moving in unison therewith while filling material into said containers, nozzle means aligning with said containers for directing material therein, a substantially fixed open top trough located under said rotatable element and extending through a portion of the path of travel of said nozzle means, a non-rotatable fixed wiper mounted in said trough for contacting with said nozzles during their travel and removing adhering material therefrom, a mounting for said wiper and means securing said wiper to said mount permitting vertical adjustment thereof to compensate for normal wear or to maintain proper operative relation with a repositioning of the filling elements.

2,081,670
PROCESS AND APPARATUS FOR THE VULCANIZATION OF RUBBER GOODS AND THE TREATMENT OF OTHER GOODS REQUIRING HEAT AND PRESSURE
Alexander Johnston, Edinburgh, Scotland, assignor to The North British Rubber Company Limited, Edinburgh, Scotland
Application July 22, 1935, Serial No. 32,624
In Great Britain December 22, 1933
7 Claims. (Cl. 18—6)



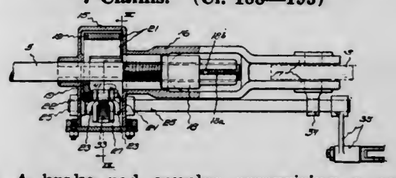
1. Improved method for the vulcanization of rubber goods or the treatment of other goods requiring heat and pressure, which consists in obtaining the necessary heat by the compression of air or gas above a predetermined working pressure in a closed circuit and allowing the compressed and heated air or gas to expand down to the working pressure of the circuit.

2,081,671
FISH LURE
William J. Lauer, Argyle, Minn.
Application April 28, 1936, Serial No. 76,813
2 Claims. (Cl. 43—41)



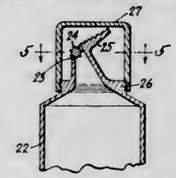
1. A fish lure, comprising a U-shaped harness providing side members, a ring on the terminal of one side member and embracing the other side member, a diaphanous capsule adapted to contain live bait disposed within the harness and ring, fastening means on the capsule secured to the harness, said capsule being open at one end and provided with screw threads, and a threaded cap to close said capsule, the other of said side members having its terminal extended beyond said embracing ring and providing a guard for said cap.

2,081,672
BRAKE ROD COUPLER
Nils Gunnar August Malmquist, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application April 10, 1935, Serial No. 15,691
7 Claims. (Cl. 188—195)



1. A brake rod coupler comprising a casing having an axial extension at one end, a rod axially slidable through said casing and guided in an end wall thereof, said rod having an end portion projecting into the extension of the casing, an abutment on said projecting end portion of said rod, an abutment member movable in said casing transversely to said rod in and out of an active position, said movable abutment member having an axially projecting portion which in the active position of said member lies in the path of the abutment on the rod, means for selectively setting the said movable abutment member in and out of the active position, and a crosshead carried by the free end of said extension.

2,081,673
APPLICATOR FOR PLASTIC MATERIAL AND THE LIKE
Gordon L. Olson, Arlington, Mass.
Application March 7, 1936, Serial No. 67,666
4 Claims. (Cl. 91—67.4)

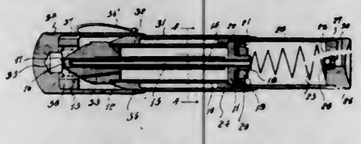


4. A plastic material container having an elongated discharge opening integral therewith with a rotatable member mounted in said opening together with a grooved diffusing surface along one side of said opening and substantially tangent to said rotatable member.

2,081,674
ATOMIZER
Walter J. Mehrman and Clifford J. Mehrman, Toledo, Ohio
Application February 20, 1936, Serial No. 64,942
1 Claim. (Cl. 299—88)

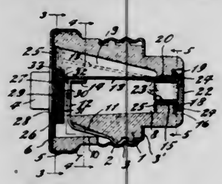
An atomizer of the class described having a cylinder, an end wall on said cylinder, an outwardly extending flange on the cylinder adjacent to said wall, a nozzle at the other end of the cylinder having an outlet orifice, an air tube com-

municating with the orifice and mounted by said wall, a tube communicating with the nozzle in communication with the orifice and adapted to convey material from the cylinder to be atomized, and a plunger surrounding and in telescopic relation with the cylinder operable to force air through the tube first mentioned, an inwardly extending flange on the plunger adapted to abut the first mentioned flange to limit outward movement of the plunger, an expansive spring urging the plunger in a direction away from the cylinder, a check valve in the end wall of the



plunger, and the latter end wall having a passage opening at a side thereof establishing communication between the interior of the plunger and the atmosphere under control of the valve, said nozzle having a passage leading from the atmosphere to the interior of the cylinder, and a sheath secured to the cylinder adjacent the nozzle and extending beyond the piston wall and in overlapping relation with the plunger, said sheath having an inward enlargement for abutment by the flange of the plunger to limit inward movement of the plunger.

2,081,675
FUSE PLUG
Bernard F. Muldoon, Mountainview, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Application April 10, 1934, Serial No. 719,834
9 Claims. (Cl. 200—121)

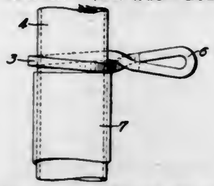


1. In a fuse plug, a member of resilient metal installed under tension and serving as a portion of the electric circuit, fusible metal connected to said resilient member and maintaining it under tension, and signal means connected to said resilient member, said signal means comprising a folded strip of resilient material carried by said resilient member.

2,081,676
PREPARATION OF STARCH-DEGRADING ENZYMES
Wilhelm Neugebauer, Wiesbaden-Biebrich, Germany, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany, a corporation of Germany
No Drawing. Application November 4, 1932, Serial No. 641,316. In Germany November 14, 1931
3 Claims. (Cl. 195—68)

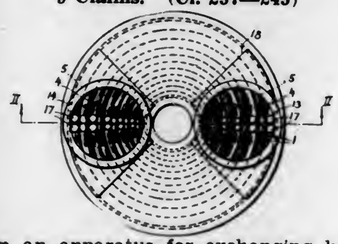
1. The method of activating pancreatic amylase in the degradation of starch which comprises adding to the amylase preparation a substance selected from the group consisting of the alkali metal salts and alkaline earth metal salts of pyrophosphoric acid.

2,081,677
STOP FOR TELESCOPING MEMBERS
James J. O'Neill, Oakland, Calif.
Application August 26, 1935, Serial No. 38,006
1 Claim. (Cl. 248—161)



A stop for limiting relative movement of two movable members of different diameters, one of which encircles and is slidable over the other, said stop consisting of a length of spring wire having crossed portions and an intermediate expandible loop adapted to encircle and grip the smaller member, the end portions of said wire extending radially from the loop contiguously to the crossed portions and serving as means for adjusting the stop on the smaller member, the inner surface of the loop being flat and engageable with said smaller telescoping member, the wire forming the device having a torsional twist therein so disposed as to maintain the axial flat surface of the loop parallel with the axis thereof so as to substantially resist slidable movement under the influence of axially applied forces imparted thereto.

2,081,678
HEAT EXCHANGER
Curt Fredrik Rosenblad, Sodertalje, Sweden, assignor to Aktiebolaget Rosenblads Patenter, Stockholm, Sweden, a corporation of Sweden
Application March 4, 1936, Serial No. 67,153
In Sweden March 4, 1935
9 Claims. (Cl. 257—245)

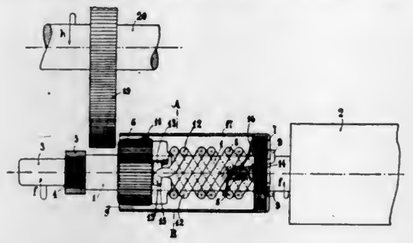


1. In an apparatus for exchanging heat between fluids, curved heat transmitting plates arranged edgewise and extending alongside one another, face covers on edges of said plates, inlet connections and outlet connections on said covers, said edges being alternately connected by pairs to one another so as to form separate channel systems each of which is open towards one cover and closed at an opposite face end, said channel systems being connected each to one of said inlet connections and one of said outlet connections.

2,081,679
SELF-RELEASING CLUTCH
Charles Roux and Louis Eugène Clémencet, Paris, France
Application October 13, 1930, Serial No. 488,524
In France March 10, 1930
32 Claims. (Cl. 74—9)

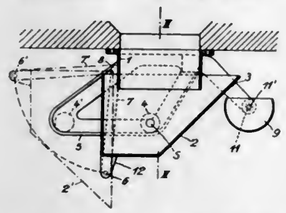
1. In an engine starter drive, a rotatable shaft, a pinion adapted to be moved into and out of

mesh with a member of the engine to be started, a spiral spring anchored at one end to the pinion, a collar fixed to said shaft, a spiral spring anchored at one end to said collar, said spirals having their free ends interthreaded and so ar-



ranged that unthreading thereof shifts the pinion into mesh with the engine member, and a sleeve surrounding said spirals, anchored at one end to said collar, and means adapted to engage the pinion and limit its meshing movement.

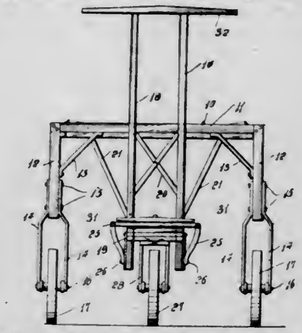
2,081,680
ASH DISCHARGER
Max Schwabach, London, England
Application September 1, 1933, Serial No. 687,895
In Germany September 7, 1932
9 Claims. (Cl. 110—165)



1. A device for receiving ashes and the like from a downwardly directed discharge spout and operable to discharge such ashes at one side of the spout, comprising a movable container open at the upper end to receive the discharge spout when the container is in receiving position, guiding means for the container arranged substantially at right angles with respect to the spout, and supporting means carried by the container and arranged approximately on a horizontal axis through the center of gravity thereof for movably cooperating with said guide, whereby the container during its movement on the guide may be gradually tilted to dispose the container in discharge position wholly at one side of the spout.

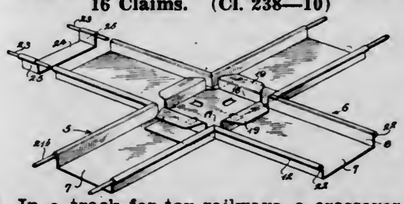
2,081,681
CORN DETASSELING MACHINE
Peter Seeber, Champaign, Ill.
Application July 23, 1936, Serial No. 92,206
3 Claims. (Cl. 280—29)

1. A detasseling machine having a horizontal platform upon which workmen are adapted to stand, a ground wheel in line with said platform, means swiveling the ground wheel to the platform, a skeleton framework including posts disposed in upright relation to the platform adjacent the corners thereof, said wheel being at the rear of the machine, a crossbeam above the platform disposed in transverse relation to the posts at the front of the machine, uprights depending from opposite ends of the crossbeam in spaced relation to the platform, hanger brackets depending from said uprights, ground wheels



mounted by said hanger brackets in laterally spaced relation to the platform.

2,081,682
TOY RAILWAY CROSSOVER
Anthony N. Smith, Girard, Pa., assignor, by mesne assignments, to The Girard Manufacturing Company, Girard, Pa., a corporation of Pennsylvania
Application October 20, 1933, Serial No. 694,491
16 Claims. (Cl. 238—10)



1. In a track for toy railways, a crossover including two sections of track superimposed at an angle, said sections being of channel-shape in cross section and having the sides thereof providing rails, said rail providing sides being cut away intermediate the ends thereof to permit interfitting of said sections, and a wheel supporting carryover element connected to said sections.

2,081,683
ELASTIC ATTACHING DEVICE
Abraham Solosko, Chicago, Ill.
Application July 7, 1936, Serial No. 89,297
5 Claims. (Cl. 132—58)

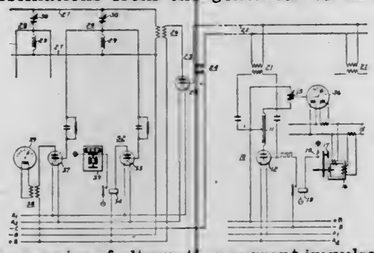


1. A hat elastic or the like comprising, in combination, an elastic filament having affixed thereto an anchoring tip or attaching member comprising deformable sheet metal, including a perforating point and guiding portions at opposite ends, with intermediate elastic attaching branches including portions constricting the elastic lying between the perforating point and the attaching branches and leaving portions of the elastic within the body of the tip unconstricted.

2,081,684
METERING SYSTEM
Ralph N. Stoddard, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application April 15, 1932, Serial No. 605,546
6 Claims. (Cl. 177—351)

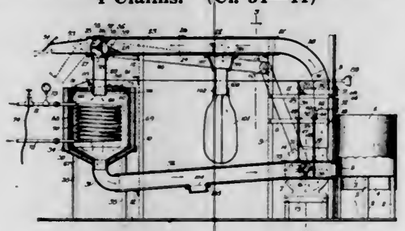
1. A metering system comprising, in combina-

tion, a single circuit, a normally non-operating oscillation generator connected to the circuit and arranged to generate a predetermined frequency, relay means for initiating and arresting the functioning of the generator, metering means for controlling the operation of the relay means to apply the oscillations from the generator to the cir-



cuit as a series of alternating current impulses the number being proportional to a quantity being measured, receiving means connected to the circuit and responsive only to impulses having said predetermined frequency of the generator, and means operated from the receiving means for totalizing the alternating current impulses.

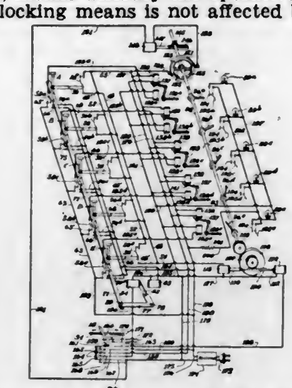
2,081,685
CLEANING AND RENOVATING APPARATUS
Solomon Straus, New York, N. Y.
Application December 13, 1935, Serial No. 54,348
4 Claims. (Cl. 34—44)



1. In an apparatus of the class described, in combination, a blower, upper and lower conduits connected at one end to the outlet and inlet respectively of the blower, a hopper connected to the conduits near the blower, a rotary brush mounted in the outer end of the upper conduit, a dust discharge spout hinged to the upper conduit, a curved screen carried by said dust spout, a latch to hold said dust spout in operative position and an automatic valve at the outer end of the dust spout.

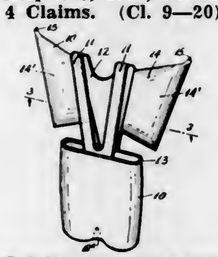
2,081,686
REMOTE CONTROL APPARATUS FOR ELECTRIC TUNING SYSTEMS
Adolph A. Thomas, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 19, 1928, Serial No. 293,861
37 Claims. (Cl. 250—20)

1. The combination of a radio receiver having a tuning shaft, electromagnetic mechanism for operating said shaft, mechanical means for positively stopping said shaft in a predetermined position, electromagnetic means adapted when energized to render said shaft-stopping means operative, means for de-energizing said electromagnetic means after the shaft is stopped in desired tuning position, means for automatically de-energizing said electromagnetic operating mechanism in response to the stopping of the shaft, means for locking the stopped shaft against rebound, means whereby the operative condition of said locking means is not affected by the de-



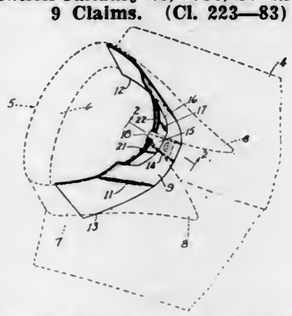
energizing of said electromagnetic means, and manually controlled means for releasing the locking means.

2,081,687
INFLATABLE SWIMMING SUIT
Yetta Temchin and Hyman Gross, New York, N. Y.
Application April 6, 1936, Serial No. 72,905
4 Claims. (Cl. 9—20)



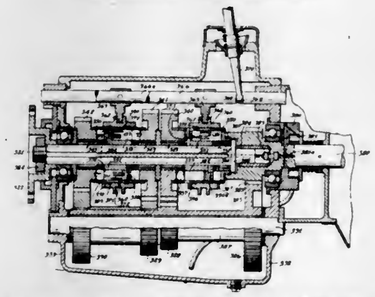
1. In an inflatable swimming suit, a swimming suit comprising a trunk portion and a top portion, U-shaped clip attached along the edge of said top portion, inflatable member having buttons along the edge portions thereof engageable between the arms of said U-shaped clip, and means on the clip and buttons cooperating to hold the inflatable member upon the swimming suit when inflated.

2,081,688
COLLAR SUPPORT
Blaine R. Theobald, Huntington Park, Calif.
Application January 23, 1936, Serial No. 60,417
9 Claims. (Cl. 223—83)



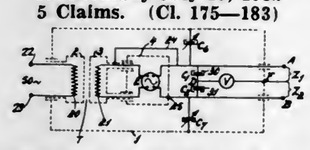
1. A collar support of the character described, comprising a body member for conforming with the band of a collar, a head member for inserting under the tabs of a collar, and a shank substantially as long as the body member is wide, the shank connecting the two first-mentioned members, lying across the body member, and curling over the top of same, when the support is in position in a collar.

2,081,689
TRANSMISSION
Tracy Brooks Tyler, Detroit, Mich., assignor to The Monopower Corporation, Detroit, Mich., a corporation of Michigan
Application June 8, 1932, Serial No. 616,142
14 Claims. (Cl. 192—58)



1. The combination with a rotor, of a cam faced drive member co-axial with and rotatable freely relative to said rotor, vanes mounted in said rotor, means for projecting said vanes into contact with said cam faced drive member, a casing surrounding said rotor and a portion of said drive member, means for introducing fluid into said casing, and control means for exhausting said fluid from said casing.

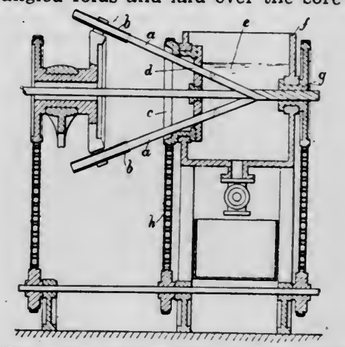
2,081,690
DEVICE FOR THE MEASURING AND COMPARING OF ELECTRICAL IMPEDANCES
Jacob Marinus Unk, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 22, 1933, Serial No. 681,791
In Germany July 19, 1932
5 Claims. (Cl. 175—183)



1. A device for comparing impedances, comprising a bridge arrangement, the four branches of which comprise two known impedances and two impedances to be compared, a high frequency generator for feeding the bridge and a two-part screening casing surrounding the generator and having symmetrical halves insulated from each other, one of said halves being connected to one terminal of the generator and the other half being connected to the other terminal of the generator.

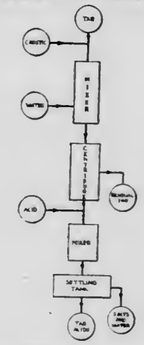
2,081,691
CABLE MANUFACTURE
Georg Zapf, Cologne, Germany, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany
Application March 25, 1931, Serial No. 525,297. Renewed October 5, 1934. In Germany April 15, 1930
2 Claims. (Cl. 113—35)

1. A method of manufacturing a cable covering which surrounds the core of an electric cable so as to protect it from moisture, consisting in this tnat flat metal bands of uniform thickness over the entire width of the band are drawn from the reels of a twisting machine, given longitudinal acute angled folds and laid over the core of the



cable, the vertex of the fold of each band lying in the recess of the next band, and the various bands forming a covering concentric with the cable core, and that during the laying of the folded bands the joints between the separate bands are filled with a sealing material.

2,081,692
METHOD OF EXTRACTING TAR ACIDS FROM CRUDE TAR
Charles M. Ambler, Jr., Philadelphia, and Charles E. Underwood, Bethlehem, Pa.; said Ambler assignor to The Sharples Specialty Company, Philadelphia, Pa., a corporation of Delaware, and said Underwood assignor to Bethlehem Steel Company, Bethlehem, Pa., a corporation of Pennsylvania
Application November 26, 1934, Serial No. 754,718
17 Claims. (Cl. 260—154)

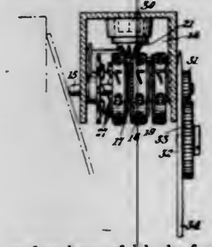


1. A process for removing tar acids from crude tar that comprises continuously mixing crude tar with an alkali solution and thereafter continuously separating unreacted tar from the resulting solution by centrifuging.

2,081,693
COUNTING REGISTER
Frank M. Ashley, Great Kills, N. Y.
Application June 29, 1933, Serial No. 678,184
2 Claims. (Cl. 235—144)

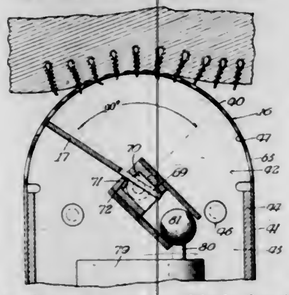
1. A register for voting machines including a casing having side walls, a shaft journaled in the side walls, said shaft being longitudinally shiftable transversely of the casing, a driven wheel

loose on the shaft adjacent one end thereof, a register wheel fixed on the shaft adjacent the loose wheel, a clutch connection between the loose wheel and the fixed register wheel, another register wheel loose on the shaft and operatively connected with the fixed register wheel, a gear fixed on the other end of the shaft and means for shifting the shaft for separating the clutch connection



including a wedge key of blade formation insertable between a wall of the casing and the gear and a gear on the key engageable with the gear on the shaft, said wedge key being held stationary during manual rotation of the gear carried thereby for rotating the shaft when the clutch connection is separated to return the register wheels to zero position.

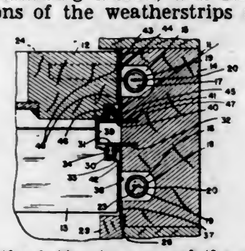
2,081,694
ELECTRIC SHAVER
John Bruecker, Chicago, Ill.
Application August 29, 1936, Serial No. 98,541
38 Claims. (Cl. 30—43)



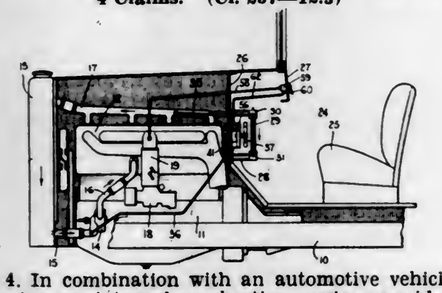
37. In a shaver, a cutter blade having a flat body and a cutting edge in a flat plane, a cutting head having a thin perforated portion in a curved plane, the blade having its cutting edge extending longitudinally of the cutting head and being free to move outwardly under centrifugal force against the inner side of the curved portion, and means for rapidly moving the blade across said curved portion.

2,081,695
WINDOW STRUCTURE
Waldo E. Clark, Detroit, Mich., assignor to F. M. Sibley Lumber Company, Detroit, Mich., a corporation of Michigan
Application March 23, 1936, Serial No. 70,444
14 Claims. (Cl. 20—52)

1. The combination with a window frame having jambs and having a sash supported in the frame for sliding movement relative thereto, of sash balancing means located in grooves formed in the side jambs of the frame at opposite sides of the sash, weatherstrips secured to the jamb at opposite sides of the sash and having portions extending into the grooves forming housings for the sash balancing means, and strips forming continuations of the weatherstrips and cooperating with the latter to conceal the sash balancing means in the closed position of said sash.

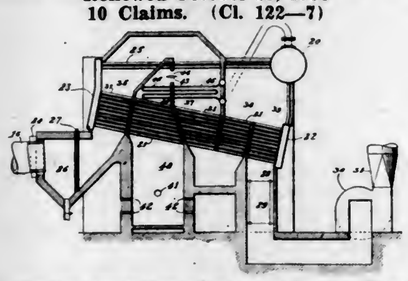


2,081,696
AUTO HEATING SYSTEM
Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application April 22, 1932, Serial No. 606,878
4 Claims. (Cl. 237—12.3)



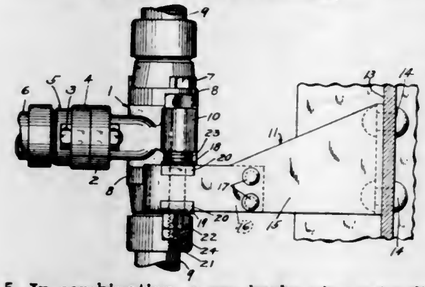
4. In combination with an automotive vehicle having an internal combustion engine provided with a water cooling system and an intake manifold, a heater in said vehicle, a fan associated with said heater, an air motor for operating said fan, means operated by said engine for supplying hot water from said cooling system to said heater, and means connecting said air motor to said intake manifold whereby said motor is operated by the suction of said intake manifold.

2,081,697
METHOD AND APPARATUS FOR SUPPLYING ADDITIONAL HEAT TO WASTE HEAT BOILER PLANTS
Fernando Falla, Millburn Township, Essex County, N. J., assignor to Edge Moor Iron Company, Edge Moor, Del., a corporation of Delaware
Application December 31, 1931, Serial No. 584,252
Renewed October 23, 1936
10 Claims. (Cl. 122—7)



1. In the operation of a waste heat utilization plant comprising industrial furnaces affording a source of waste gaseous heating medium, and a waste heat boiler receiving the waste gaseous heating medium to generate steam therefrom: the method of operating said boiler which includes generating steam therein independently of the said waste gaseous heating medium admitted thereto by further heating said boiler at a point other than that at which it is initially subjected to said waste gaseous heating medium, and superheating the steam generated by subjecting it to one of the gaseous heating media, and then to the combined media.

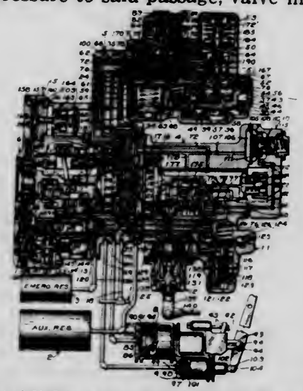
2,081,698
BRAKE PIPE HOLDING MEANS
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 4, 1933, Serial No. 692,089
6 Claims. (Cl. 285—209)



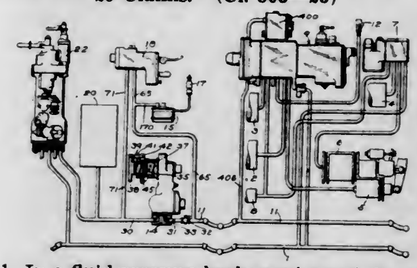
5. In combination, a car brake pipe extending substantially lengthwise of a car, a pipe T in said brake pipe, a branch pipe leading from said T, a bracket for supporting said brake and branch pipes, said bracket comprising a member formed of sheet metal, the bracket being arranged with the face of the sheet metal positioned substantially in a plane extending lengthwise of the car, one end of the bracket being adapted to be secured to a portion of the car structure, the other end of the bracket being bent over upon itself to provide an elongated opening, the pipe T having a lug thereon, the lug having a hole therein adapted to register with the opening in the bracket, and a bolt extending through the hole in the lug and the opening in the bracket and being adapted to clamp the lug and the bracket rigidly together, the bracket being relatively wide whereby it is substantially rigid in a plane extending lengthwise of the car and whereby the brake and branch pipes are held against movement lengthwise of the car.

2,081,699
FLUID PRESSURE BRAKE
Clyde C. Farmer, Pittsburgh, and Donald L. McNeal, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 1, 1935, Serial No. 34,136
24 Claims. (Cl. 303—6)

1. In a fluid pressure brake, in combination, a brake pipe, a slack take-up brake cylinder, a main brake cylinder, a passage through which fluid under pressure is adapted to be supplied to and released from both brake cylinders, a valve device normally subject to fluid pressure for establishing communication from the slack take-up brake cylinder to said passage and operative upon a release of fluid under pressure to close said communication, a brake controlling valve mechanism normally connecting said passage to the atmosphere and operative upon a reduction in brake pipe pressure for cutting off the communication from said passage to the atmosphere, for releasing fluid under pressure to effect the operation of said valve device, and for supplying fluid under pressure to said passage, valve means normally establishing communication through which fluid under pressure supplied to said passage flows to the slack take-up brake cylinder and operative upon a predetermined increase in slack take-up brake cylinder pressure to establish communication through which fluid under pressure supplied to said passage flows to the main brake cylinder.

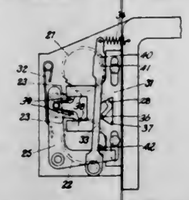


2,081,700
FLUID PRESSURE BRAKE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 24, 1935, Serial No. 37,708
29 Claims. (Cl. 303—23)



1. In a fluid pressure brake equipment, in combination, a brake controlling valve device having change-over mechanism associated therewith and operative in response to fluid under pressure supplied thereto at a value in excess of a predetermined value to vary the operation of the brake controlling valve device, a pair of signals, a device responsive to variations in the pressure of the fluid supplied to the change-over mechanism and controlling one of said signals, said device being adapted to effect operation of the signal controlled thereby in response to reductions in the pressure of the fluid supplied to the change-over mechanism, and a device responsive to the pressure of the fluid supplied to the change-over mechanism and controlling operation of the other of said signals, said last-named device being adapted to effect operation of the signal controlled thereby in response to a reduction in the pressure of the fluid supplied to the change-over mechanism to a value less than a predetermined value.

2,081,701
TICKET PRINTER
Hans Frings, Cologne-Lindenthal, Germany
Application July 17, 1935, Serial No. 31,760
In Germany July 20, 1934
6 Claims. (Cl. 101—96)



1. A forceps-like portable ticket printer, comprising a ticket printing mechanism, a dust-proof casing enclosing said ticket printing mechanism and having a slot for the insertion of a ticket, a handle pivoted in said casing and adapted to be actuated by an operator, means operatively connecting said handle with said ticket printing mechanism to actuate the latter when said handle is actuated, a plate carried by said handle and movable therewith, and means forming a pocket carried by said casing for guiding said plate while said handle is actuated.

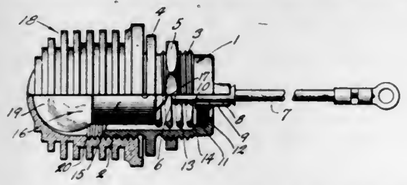
2,081,702
UTILITY KNIFE
Domenico Frisoli, Newark, N. J.
Application September 29, 1936, Serial No. 103,108
1 Claim. (Cl. 30—9)



A cutting implement of the character described, comprising a blade having a cutting edge, a mounting edge provided with a flat longitudinal guard element and parallel front and rear edges rearwardly inclined with respect to said cutting edge and a holder for said blade consisting of a single sheet metal blank bent along its central longitudinal line, to form a front clamping portion having a section adapted to register with and snugly receive the guard element of said blade when said guard element is inserted endwise therethrough, and a handle rearwardly extending from said clamping portion, said handle having a streamlined section from front to rear and having its sides embossed to form a longitudinally extending outwardly bulging body therefor.

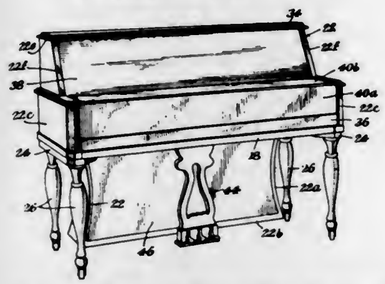
2,081,703
ILLUMINATING DEVICE
John A. Germonprez, Grosse Pointe Park, Mich., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 12, 1936, Serial No. 84,821
2 Claims. (Cl. 240—7.1)

1. In combination in an illuminating device of the class described, a metal socket having a cylindrical body open at one end with an externally threaded portion near the mouth thereof, a unitary light permeable globe having an internally threaded mouth adapted to screw onto said externally threaded mouth of the socket, said globe otherwise being imperforate, an external flange on said socket to limit the travel of said globe onto said threaded mouth of said socket, an insulator supported in the other end of said cylindrical body, means supported on said insulator providing a contact which lies substantially on the cylindrical axis and which is resiliently displaceable along the axis of said cylinder for a limited distance, a lamp consisting of a glass bulb and a base, said bulb being positioned substantially within said globe and said base being positioned substantially within said socket, a helical metal spring in said socket having its axis lying substantially parallel to the cylindrical axis of the socket and being configured to avoid electrical engagement with said center contact of the socket, and central and excentral contacts on the end of said lamp base



for engaging said center contact of said socket and said spring, said spring engaging the metal of said socket, said globe having a concave interior end wall for engaging the lamp bulb to hold the lamp against said spring, said spring being adapted to hold said lamp base out of engagement with the central contact in said socket and against the concave interior end wall of said globe, the threaded portions at the mouths of said socket and globe being adapted to hold said globe and socket in assembled relation without holding said lamp base against the central contact of said socket, said flange on said socket being so positioned as to permit said globe and socket to be screwed together to force said lamp base against the central contact of said socket.

2,081,704
UPRIGHT PIANO
Henry R. Heller, Larchmont, N. Y.
Application August 16, 1935, Serial No. 36,474
6 Claims. (Cl. 84—174)



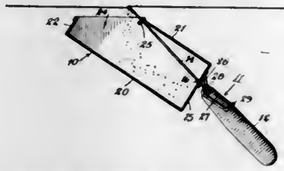
1. In combination, a piano-back, sound-board, string-plate, key-bed, key-board, piano-action and piano-case combined as in a standard upright piano but wherein the piano-back, sound-board and piano-case are narrowed below the key-bed to substantially the extent permitted by the string-plate, the piano-back having horizontal shoulders connecting the narrowed lower portion thereof with its wider upper portion; end-beams whereon said shoulders rest and are secured; and piano-legs secured under the front and rear ends of each beam.

2,081,705
DETECTOR CIRCUIT
Gunther Jobst and Waldemar Wehnert, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 1, 1932, Serial No. 620,524
In Germany August 13, 1931
13 Claims. (Cl. 250—27)



1. A high frequency transmission circuit including an electron discharge tube, a resonant input circuit connected between the control grid and cathode of the tube, the output electrodes being adapted for connection to a suitable load circuit, a cell connected in the grid circuit of said tube, said cell including platinum electrodes and a feebly acidulated water electrolyte, and being normally polarized in such a manner that flow of grid current in the grid circuit produces a cell potential in opposition, and the impedance of the cell being sufficient to enable the said opposing potential to bias said grid negatively after the flow of said grid current ceases.

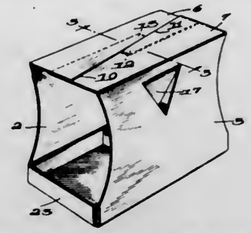
2,081,706
SCRAPING DEVICE
Benjamin D. Kilcup, New York, N. Y.
Application June 16, 1936, Serial No. 85,467
3 Claims. (Cl. 72—137)



1. A device for use with a scraping knife comprising a receptacle formed with a bottom member having a slot therein, side members tapering adjacent their upper ends, a rear wall extending the entire length of the side members and a front wall extending from the bottom to the tapered portion of the side members so that the front of the receptacle adjacent the upper end is provided with an open portion, the slot in the bottom and the open portion being so positioned that the knife may be extended through the slot so as to project outwardly through the open portion, and means adjacent said open portion for engaging the blade of the knife for guiding it and holding it in position, and a clamping member adjacent the slot in the bottom for engaging the handle of the knife.

2,081,707
CARTON AND BLANK FOR FORMING THE SAME
Henry Kondolf, New York, N. Y., assignor to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware
Application June 2, 1933, Serial No. 673,939
8 Claims. (Cl. 229—27)

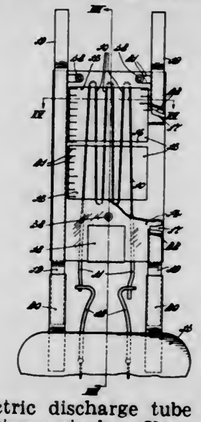
2. An open ended display carton comprising a shallow tray having article-retaining compartments, side walls integral with the bottom of said tray and extending to a greater height than said tray, the end edges of said side walls being cut away to afford a greater display of enclosed articles.



4. An open-ended display carton comprising a shallow tray having article-retaining compartments, side walls integral with the bottom of said tray and extending to a greater height than said tray, and tabs struck from said side walls adapted to be imposed between adjacent enclosed articles.

5. A carton comprising a rectangular body panel, panels extending from opposite edges of said body panel to form walls along such edges, flaps extending from each side of said wall panels, said flaps being adapted to interlock and form walls along the edges between said first-mentioned edges, one of the pairs of diagonally opposed flaps having extensions adapted to be bent inwardly and form partitions upon said body panel, each of said partitions having the outer surface of its free end portion bearing against the portion of the said other partition adjacent the wall from which the latter extends.

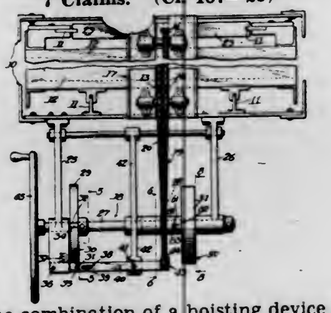
2,081,708
DISCHARGE TUBE
Baarte Krol, Mitcham Junction, England, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application May 20, 1936, Serial No. 80,690
In Great Britain May 28, 1935
2 Claims. (Cl. 250—27.5)



1. An electric discharge tube comprising an envelope having a pinch, a filamentary electrode, lead wires electrically connected to said filament and sealed in said pinch, and means for supporting said electrode from said pinch comprising a plurality of relatively thin perforated plates of electrical insulating material of poor thermal conductivity, said electrode and lead wires being clamped between said plates with the electrode in registry with said perforations, and a plurality of fastening means for holding said plates

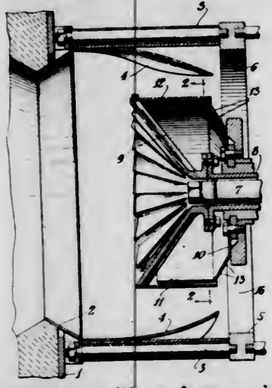
together, one of said means being disposed near said lead wires to rigidly hold same between said plates.

2,081,709
CONTROL MECHANISM FOR HOISTING MACHINES
Duffy A. Matot, Wilmette, Ill.
Application July 19, 1935, Serial No. 32,248
7 Claims. (Cl. 187—28)



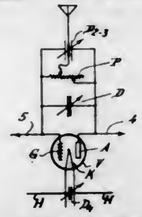
1. The combination of a hoisting device having a reciprocable car, of a driving means for reciprocating said car, a rotatable driven member on said driving means, means engageable by said driving means for causing the said engageable means to extend into the path of rotation of said driven member for effecting a stop therefor and for retaining the same to stop said driving means.

2,081,710
TELESCOPIC SHROUD FOR USE WITH OIL BURNING EQUIPMENT
James McDonald, Weehawken, N. J., assignor to Todd Combustion Equipment, Inc., New York, N. Y., a corporation of New York
Application January 21, 1937, Serial No. 121,408
1 Claim. (Cl. 158—1.5)



The combination with a furnace having an opening in its wall, a fuel burner positioned in front of said opening, an axially adjustable flame cone carried by the front end of said burner, and air supply means surrounding said flame cone, of a cylindrical member carried by the perimeter of said flame cone and extending rearwardly from said opening to prevent outward deflection of air currents flowing toward the furnace opening and striking said flame cone, and a second cylindrical member in fixed relation to said air supply means and telescoping with said first-named cylinder during axial adjustment of said flame cone.

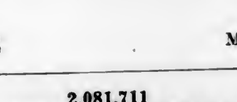
2,081,711
HIGH FREQUENCY APPARATUS
Herbert Spencer Polin, Port Washington, N. Y., assignor to Polin, Inc., New York, N. Y., a corporation of Delaware
Application February 15, 1933, Serial No. 656,783
7 Claims. (Cl. 250—17)



1. Short electric wave generating apparatus comprising an electronic tube having an anode, a grid and a two-terminal filament, connections from said filament terminals respectively to said grid and anode, a connection between grid and anode, capacity serially interposed in said anode-to-grid connection, a condenser connected between said filament terminals, and open-ended radiating conductors comprising a poise and a counterpoise directly connected respectively to the plates of said condenser.

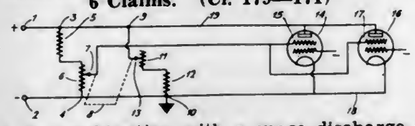
2,081,712
LOCAL ANAESTHETICALLY ACTIVE PHARMACEUTICAL PREPARATION AND METHOD OF PREPARING THE SAME
Carl Rohmann, Jena, Germany
No Drawing. Application September 18, 1935, Serial No. 41,025. In Germany July 10, 1934
12 Claims. (Cl. 260—104)

1. A water soluble salt of a dialkylamino alkanol ester of a p-alkoxy benzoic acid of the following type:



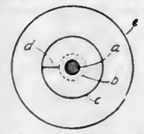
where R^1 is an alkyl residue with 3–6 carbon atoms, R^2 is an alkylene residue, R^3 and R^4 are two alkyl residues, and Ac is an acid radical forming a water soluble salt with the ester of the amino alcohol.

2,081,713
COMPENSATOR FOR VARIATIONS OF PLATE CURRENTS
Arnold J. Rohner, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 1, 1933, Serial No. 673,885
6 Claims. (Cl. 179—171)



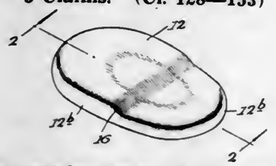
1. In combination with a space discharge device provided with anode, cathode and grid electrodes, a source of space current for said device, an impedance in series with said source, a variable tap on said impedance and a connection between said tap and a grid electrode of said device, a variable bleeder resistance shunted across said source provided with a controlling element and a common mechanism associated with both said variable tap and the controlling element to permit simultaneous adjustment of both the tap and the element.

2,081,714
ELECTRON DISCHARGE DEVICE
Horst Rothe and Werner Kleen, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 25, 1934, Serial No. 722,223
In Germany May 17, 1933
4 Claims. (Cl. 250—27.5)



4. A hot cathode gas filled rectifier tube having a straight cathode, a tubular mesh electrode surrounding and concentric with said cathode and a second tubular electrode surrounding and concentric with said mesh electrode, said mesh electrode and said second electrode being directly electrically connected, the spacing between said cathode and said tubular mesh electrode being less than the spacing between said tubular mesh electrode and said second tubular electrode.

2,081,715
CORN PAD AND THE LIKE
William M. Scholl, Chicago, Ill.
Application December 11, 1933, Serial No. 701,833
3 Claims. (Cl. 128—153)



1. As an article of manufacture, an adhesive pad for use on the human foot, which is composed wholly of superimposed layers of fabric each whereof is of uniform thickness and has its underside coated throughout with adhesive, and which comprises, in construction, not less than three layers, these including: an ovate base layer apertured to receive a corn or the like; an imperforate cover layer similar to plan contour to but larger in area than said base layer to provide a marginal skirt; and at least one intermediate layer having at least its sides and one end similar in plan contour to but smaller in area than the corresponding portions of the base layer and having a portion cut away above at least a portion of said base layer; said intermediate layer adhesively engaging the base layer and leaving a portion of the upper surface of the latter exposed all around said intermediate layer, and said cover layer adhesively engaging said intermediate layer and also engaging exposed portions of the base layer beyond the edges of said intermediate layer.

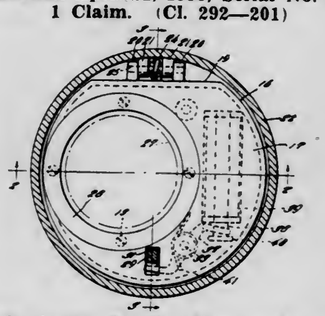
2,081,716
FOOT TREATMENT PAD AND ITS MANUFACTURE
William M. Scholl, Chicago, Ill.
Application December 11, 1933, Serial No. 701,834
11 Claims. (Cl. 128—153)

1. A foot-treatment pad formed of superimposed layers of flexible material adhesively connected, comprising a body-ring, adhesive-coated on its underside and having a recess-aperture therethrough, and an imperforate cover-piece coated with adhesive throughout its underside and mounted on said body-ring; the bottom layer and cover layer at least being of quite closely-woven fabric giving the pad desired resistance to distortion from initial perimetral contour, and said cover layer being of larger area than the body ring and having part of its excess material formed into a dome, above the ring-aperture, substantially increasing the depth of the corn-receptive space and decreasing likelihood of cover-layer displacement under flexure in application and shear-strains in walking.



5. In the manufacture of a multi-layer, adhesived-fabric foot-treatment pad that comprises an apertured body-ring and a domed cover-piece adhesively attached thereto, the steps of gathering adhesived cover-piece stock into a hump, applying the humped stock adheringly to apertured body-stock while at the same station, with the humped portion rising as a dome above the body-aperture; and cutting the complete pads from the composite body-and-cover-piece stock.

2,081,717
TANK CLOSURE
Harry C. Steele, Ashland, Ky.
Application April 21, 1936, Serial No. 75,605
1 Claim. (Cl. 292—201)

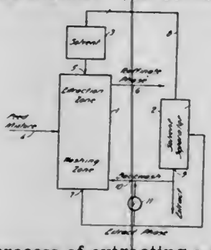


A lock closure for the filler necks of tanks comprising a hinged closure mounted on the neck, a housing disposed around the neck and over which the closure is disposed, an electromagnet mounted in the housing, said electromagnet being provided with a movable core provided with an outstanding shoulder at its outer end, a hook member depending from the closure into the housing, a horizontally rockable latch assembly, said latch assembly consisting of a horizontally rotatable member provided with a yoke projecting laterally therefrom and engaged with the magnet core inwardly of its shoulder, said horizontally rotatable member provided with a laterally extending arm provided with a lip at its free end for engagement with the depending hook member.

2,081,718
PRODUCTION OF AMINOALKYL SULPHONES
Hanns Ufer, Ludwigshafen-on-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 3, 1936, Serial No. 57,373. In Germany January 22, 1935
15 Claims. (Cl. 260—124)

12. Dialkylaminoalkyl acylaminoaryl sulphones.

2,081,719
SOLVENT EXTRACTION PROCESS
Willem J. D. van Dijck, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 5, 1933, Serial No. 669,580
In the Netherlands May 11, 1932
24 Claims. (Cl. 87—28)



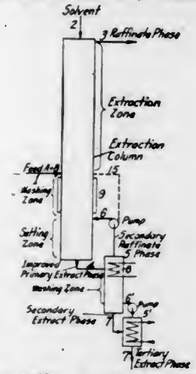
1. In the process of extracting a liquid solution of two components with a liquid selective solvent, capable of separating said solution into two portions of different properties, wherein liquid raffinate and extract phases are formed, the steps of recovering a backwash liquor by a treatment comprising the operation of reducing the solvent concentration in a quantity of an extract phase produced in the process and then contacting a different quantity of the extract phase formed in the process with a portion of the recovered backwash liquor to form new raffinate and extract phases.

20. In the process of extracting a liquid mixture containing more than two substances, the steps of contacting said liquid mixture with a selective solvent capable of separating said mixture into two portions containing said substances in different concentrations than they occur in the original mixture, under extraction conditions causing the formation of liquid extract and raffinate phases, and extracting said extract phase with a liquid containing the substance preferentially dissolved in the extract phase in a concentration which is higher than the concentration of said substance in the said extract phase under conditions to form two new liquid phases and separating the said new phases from each other.

2,081,720
EXTRACTION PROCESS
Willem J. D. van Dijck, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 19, 1933, Serial No. 694,280
In the Netherlands November 18, 1930
23 Claims. (Cl. 196—13)

1. In a countercurrent process for extracting a liquid mixture of hydrocarbons wherein a raffinate phase flows in contact with and countercurrently to an extract phase the step of maintaining a gradual temperature drop within the mixture of the two flowing phases in the direction of flow of the extract phase.

14. The process of separating a mixture of liquid components into said components, which comprises contacting the mixture of liquid components with a preferential liquid solvent while the mixture of liquid components and the preferential solvent are flowing countercurrently with respect to each other in separate liquid phases, the preferential solvent having a greater specific gravity than the mixture of liquid components, whereby the said preferential solvent will flow downwardly in the same generally confined and elongated column of liquid comprising the said preferential solvent and the liquid components to be separated, and maintaining as far as possible a gradually changing temperature throughout the greater portion of the length of the said column of liquid, which temperature decreases in the direction of flow of the said preferential solvent, thus causing some of the more soluble component to be separated out of the said solvent in the said gradually increasingly cooler environment, whereupon the liber-

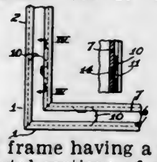


ated more soluble component dissolves the less soluble component present in and moving out of the preferential solvent and flows countercurrently to the said preferential solvent, causing the more soluble component to be gradually redissolved by the said preferential solvent, and finally recovering the less soluble component and the more soluble component dissolved in the said preferential solvent at opposite ends of the said column of liquid.

2,081,721
SOLVENT EXTRACTION PROCESS
Willem J. D. van Dijck and Alexander W. J. Mayer, The Hague, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 19, 1935, Serial No. 27,390. In Great Britain June 22, 1934
In Great Britain June 22, 1934
16 Claims. (Cl. 260—122)

1. In a process for extracting a liquid solution of two components containing at least one organic polar compound with a selective solvent, wherein raffinate and extract phases are formed, the steps of recovering an extract from the extract phase by reducing the solvent content of the latter and then contacting the extract phase formed in the process with a portion of the recovered extract.

2,081,722
PICTURE FRAME
Joseph T. Weinzierl, New Kensington, Pa., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application April 25, 1936, Serial No. 76,401
8 Claims. (Cl. 40—152)



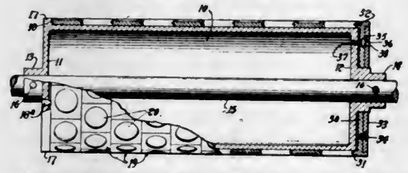
1. In a picture frame having a plurality of extruded ductile metal sections of channel form, a

right-angled corner bracket comprising two legs, each leg having a notch therein for the reception of a portion of the wall of said sections whereby said sections are unitarily joined.

2,081,723
FILM CASTING BASE
Floyd E. Williams, Gary, Ind., assignor to Marbon Corporation, a corporation of Delaware
No Drawing. Application April 13, 1935, Serial No. 16,217
1 Claim. (Cl. 18—15)

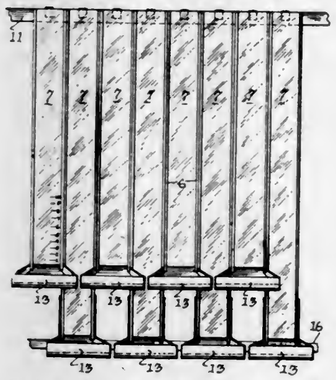
A film casting base comprising a flexible metal band, a coating of fish glue on a surface of said band, and a film of gelatin spread over said fish glue coating to provide a smooth surface for coating films thereon, said smooth surface being firmly anchored to the band by said fish glue coating.

2,081,724
COOKY BLANK FORMING ROLL
Scott M. Abbott, Chicago, Ill.
Application June 29, 1936, Serial No. 87,907
16 Claims. (Cl. 107—8)



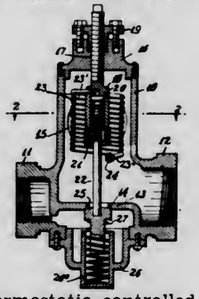
1. A roll of the kind described embodying therein a plurality of arcuate block-like die members having side and end edges and arranged side-by-side and end-to-end to form a curved multiple die, each die member having a groove in one of its edges, and means operatively connected to the opposed edge of each die member and engaged in the groove of the adjacent die member for securing them against relative separation in one direction.

2,081,725
STORAGE BIN CONSTRUCTION
Richard Albert Ainsa, San Diego, Calif.
Application October 21, 1935, Serial No. 46,043
1 Claim. (Cl. 221—146)



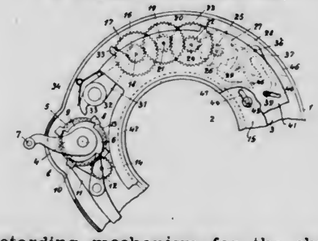
In a device of the character described, a plurality of sets of bins adapted to be placed side by side, adjacent bins being of unequal depth, the bottom of each of said bins in each set being spaced from each other in staggered relation, a chute underlying each of said bins, each of said chutes having an independent trough formed integral therewith, the trough being of greater width than the width of its bin whereby the trough of one bin may overlap an adjacent bin.

2,081,726
AUTOMATIC MIXING VALVE
Edward Babbin, Spring Valley, N. Y.
Application February 21, 1935, Serial No. 7,517
5 Claims. (Cl. 236—12)



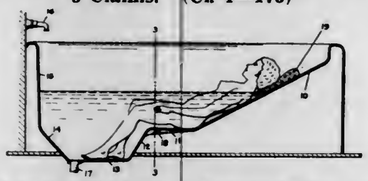
1. In a thermostatic controlled mixing valve, a cylindrical body having opposed side inlets for hot and cold water supplies and a horizontal partition separating said inlets and formed with a valve seat in the inlet for the cold water, and an outlet for tempered water permanently connected with the inlet for the hot water; a top cap closing the top of said cylindrical body, a thermostat in the tempered water passage adjustably supported from said cap and having an operator rod, a valve secured to said operator rod and engageable with said seat, a bottom cap closing the bottom of said cylindrical body, and a spring acting between the body and the valve to urge the valve closed, and a means for manually closing said valve against the normal opening action of the thermostat.

2,081,727
RETARDING MECHANISM FOR PHOTOGRAPHIC SHUTTERS
Árpád Barényi, Berlin-Steglitz, Germany, assignor to Voigtlander & Sohn Aktiengesellschaft, Brunswick, Germany
Application November 20, 1935, Serial No. 50,756
In Germany November 27, 1934
2 Claims. (Cl. 161—26)



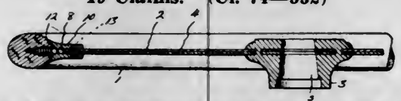
1. Retarding mechanism for the shutters of photographic cameras, comprising an escape wheel and a pallet cooperating therewith, said pallet being formed at the side of its pivot remote from its lips with an outwardly flaring cut-out portion, a stop passed through said cut-out portion, and means adapted to be operated from the outside of the shutter casing for shifting the said pallet with its pivot bolt towards and away from said escape wheel and relatively to said stop.

2,081,728
BATHTUB
Ethel N. Bassett, Lincoln, Nebr.
Application May 26, 1936, Serial No. 81,828
5 Claims. (Cl. 4—173)



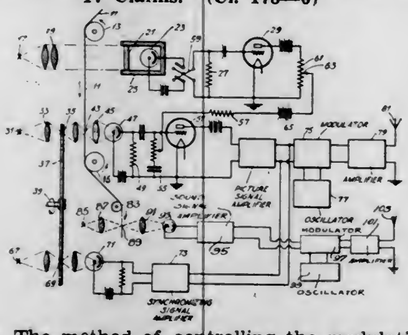
1. A bath tub having a floor including a head and back support inclined downwardly and away from the head wall of the bath tub, a seat slightly inclined upwardly and toward the foot wall of the bath tub, a substantially horizontal foot support positioned below the level of said seat, a wall between said seat and said foot support, said wall being abruptly inclined downwardly and toward the foot wall of said bath tub, a drain in said foot support, and a foot rest inclined upwardly and away from said foot support, said foot rest merging into the foot wall of said bath tub.

2,081,729
SPOKE AND RIM CONNECTION
Charles W. Beck, Toledo, Ohio, assignor, by mesne assignments, to Nellie M. Beck, Toledo, Ohio
Application February 24, 1930, Serial No. 430,851
Renewed September 9, 1936
19 Claims. (Cl. 74—552)



1. A built-up steering wheel comprising a hub, an annular rim, resilient spokes connected to the hub, and means connecting the outer ends of all of said spokes fixedly to the rim as to relative radial movement and permitting their limited relative axial rocking movement, said means including members embedded within the rim, and spoke-covering members extending the rim grip radially inward and fastened upon the spokes for damping the vibrations of their outer ends.

2,081,730
TELEVISION SYSTEM
Harold H. Beverage, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 22, 1932, Serial No. 600,411
17 Claims. (Cl. 178—6)



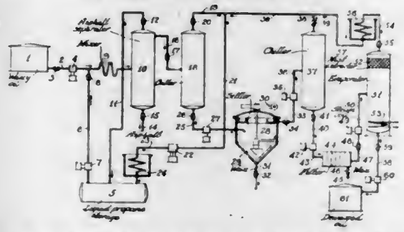
1. The method of controlling the modulation level in light responsive apparatus which comprises the steps of scanning a film record surface in a sequential series of transverse parallel adjacent strips; converting the changes in density of each elemental area thereof into proportional strength electric currents for producing modulation signals at levels subject to change; independently producing with a pre-established time separation from the record surface from which the first-named electric currents were produced additional signals representing the average density of a complete frame area of the record, and controlling by the last named electric currents in accordance with each change in the signal strength thereof the produced level of modulation for the first named signals.

2,081,731
METHOD FOR PRODUCING LUBRICATING OIL
Ulric B. Bray, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application March 7, 1932, Serial No. 597,419
19 Claims. (Cl. 196—13)

5. A process for the production of lubricating oil from oils containing asphalt which comprises subjecting crude oil to a topping operation at a temperature not substantially in excess of 650° F. to remove the lighter fractions therefrom, commingling the residue with a solvent capable of dissolving the oil and precipitating the asphalt, separating the solvent solution of oil from the precipitated asphalt, separating the solvent from the oil and subsequently distilling said asphalt-free residue at a temperature not in excess of 750° F. to produce a lubricating oil distillate and a residual undistilled lubricating oil, said last mentioned temperature being insufficient to substantially impair the temperature viscosity susceptibility of said lubricating oil distillate and said residual undistilled lubricating oil.

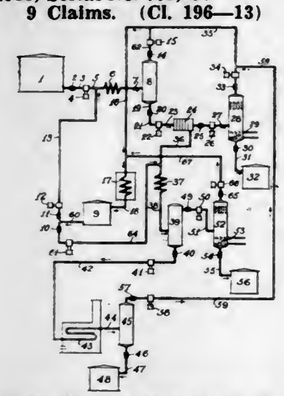
17. A process for the production of lubricating oil from oils containing asphalt which comprises commingling crude oil with a light liquid hydrocarbon which is capable of dissolving the oil but not the asphalt, separating the undissolved asphalt from the solvent solution of oil, separating the solvent from the oil and subsequently distilling said asphalt-free oil to an on stream viscosity not exceeding 1200 seconds Saybolt Universal at 100° F. to produce lubricating oil distillates and an undistilled substantially asphalt-free residual oil.

2,081,732
PROCESS FOR DEWAXING OILS
Ulric B. Bray, Palos Verdes Estates, and Donald E. Carr, Naples, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application November 6, 1933, Serial No. 696,892
15 Claims. (Cl. 196—18)



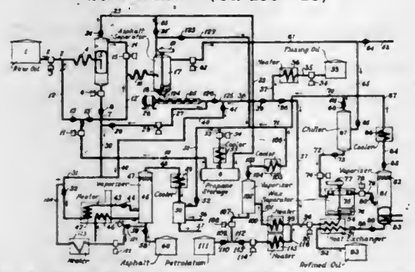
2. A process as in claim 1 in which the solvent comprises a liquefied normally gaseous hydrocarbon.

2,081,733
PROCESS FOR SEPARATING WAX FROM ASPHALT-WAX MIXTURES
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Original application May 9, 1932, Serial No. 610,130. Divided and this application December 8, 1933, Serial No. 701,497
9 Claims. (Cl. 196—13)



1. A process for the separation of wax from asphalt-wax mixtures which comprises commingling said asphalt-wax mixture with a liquefied normally gaseous hydrocarbon solvent containing a major portion of propane to dissolve the wax but to leave the asphalt as an undissolved fraction and separating the wax solution of liquefied normally gaseous hydrocarbon solvent from the asphalt.

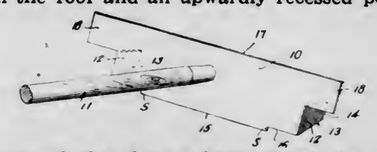
2,081,734
METHOD FOR TREATING OILS
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Original application August 1, 1933, Serial No. 683,187. Divided and this application December 14, 1935, Serial No. 54,503
20 Claims. (Cl. 196—13)



3. A process for treating oils which comprises mixing the oil with a liquid capable of precipitating impurities solidifiable at ordinary temperatures from the oil, separating said impurities containing a portion of said liquid from the oil, mixing said separated impurities and liquid with a preheated oil and evaporating the liquid from the mixture.

2,081,735
ROOFING TOOL
Frank J. Caronia, New Hyde Park, N. Y.
Application December 9, 1935, Serial No. 53,554
3 Claims. (Cl. 91—62.5)

1. A roofing tool including a flat blade having a lower longitudinal edge adapted for contact with the roof and an upwardly recessed portion



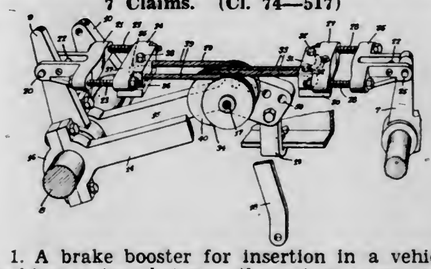
at one end of said lower longitudinal edge thereof defining a guide shoulder and an angularly disposed flange at said end of the blade.

2,081,736
COLORING MATTERS
Cyril Child and Harry Augustus Thomas, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 4, 1935, Serial No. 24,983. In Great Britain June 8, 1934
10 Claims. (Cl. 8—6)

1. A stable colored colloidal solution of a vat dyestuff comprising a vat dyestuff in an aqueous alkaline solution of wool.

5. In the preparation of stable colored colloidal solutions of vat dyestuffs, the steps which comprise dyeing wool fiber from an alkaline hydrosulfite solution of the dyestuff and dissolving the resulting wool and dyestuff in an alkaline solution, acidifying the solution and isolating the resulting colloidal vat dye gel.

2,081,737
BRAKE BOOSTER FOR AUTOMOTIVE VEHICLES
Charles Y. Chittick, Newton Center, Mass., assignor, by mesne assignments, to Anderson Products, Incorporated, a corporation of Massachusetts
Application September 6, 1934, Serial No. 742,920
7 Claims. (Cl. 74—517)

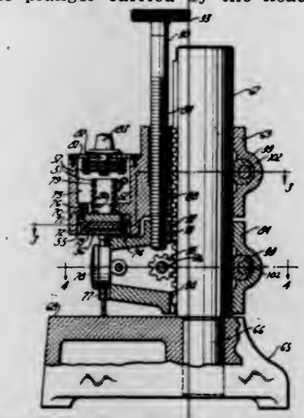


1. A brake booster for insertion in a vehicle braking system between the prime mover and the brakes comprising a rotatably mounted four track pulley, a doubled one piece cable wrapped once around and running in the tracks of said pulley and attached thereto, said cable being held at its ends and at its bight between said prime mover and said brakes.

2,081,738
SIZING DEVICE
Richard E. Conover, Deer Park, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application June 28, 1933, Serial No. 678,053
6 Claims. (Cl. 177—351)

1. A measuring head for use in connection with an electronic indicating circuit comprising a cylindrical casing, a transformer intermediately mounted within the casing and having one side thereof coupled to the electronic indicator,

a pair of condenser units forming closures for the respective ends of the cylindrical casing, a shiftable plunger carried by the head in posi-

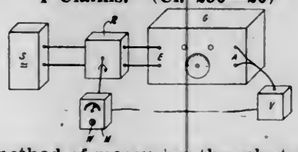


tion operatively to react on one of said condensers, and a vernier adjusting device coupled with the other condenser, substantially as and for the purpose described.

2,081,739
SENSITIVITY METER

Walter Dissler, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, Berlin, Germany

Application April 23, 1935, Serial No. 17,773
In Germany April 20, 1934
4 Claims. (Cl. 250—20)

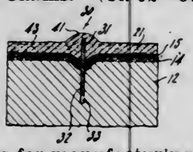


2. A method of measuring the selectance characteristics of a receiver which comprises adjusting the receiver to receive energy of a predetermined frequency generating carrier energy, incrementally varying the frequency of the generated carrier energy through a range of frequencies which includes the frequency to which the receiver is adjusted and frequencies both above and below said frequency, utilizing the energy output of the amplifier to automatically vary the amount of energy impressed upon the input of the receiver to such a value that the amount of output energy assumes a predetermined value at each of the increment points and measuring the amount the input energy is varied from a predetermined value at each of the increment points.

2,081,740
METHOD AND APPARATUS FOR MAKING FIBROUS ARTICLES

Ralph A. Farnham, Herkimer, N. Y.

Application April 3, 1936, Serial No. 72,517
2 Claims. (Cl. 92—54)

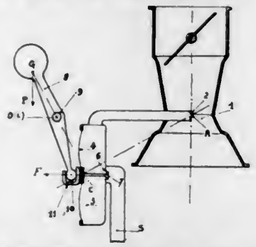


1. Apparatus for manufacturing articles of the class described comprising, a suction mould having a screen upon which the article is moulded, and a blade mounted upon the surface of the screen and extending normally thereto, the blade having an integral leg extending into a closely fitting socket in the mould.

2,081,741
CARBURETOR

Paul Xavier Auguste Gistucci, Paris, and Johann Lichtenstein, Levallois-Perret, France, assignors to Societe Generale des Carburateurs Zenith, Levallois-Perret, France, a corporation of Switzerland

Application December 6, 1935, Serial No. 53,188
In France December 6, 1934
9 Claims. (Cl. 261—69)

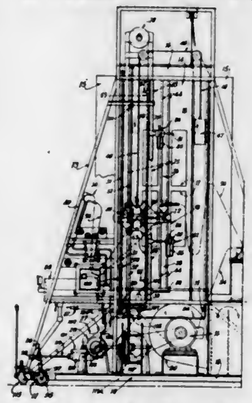


8. In a carburetor, a mixing chamber, a fuel nozzle positioned to discharge into the mixing chamber, and a pressure regulator supplying fuel to said nozzle and comprising a fuel chamber having a movable wall, a valve connected to said wall and controlling the inflow of fuel to said fuel chamber, a lever pivotally mounted on the carburetor and connected at one end to said wall for balancing the pressure exerted by the column of fuel between the nozzle outlet and the wall, the distribution of the weight of said lever relative to its pivot and to the nozzle outlet being such that a straight line connecting the latter to the center of pressure of said wall is perpendicular to the plane defined by the pivot and the center of gravity of said lever.

2,081,742
APPARATUS FOR SPRAY PAINTING AND THE LIKE

Arnold Charles Howard Glaze, Dukinfield, England

Application July 23, 1936, Serial No. 92,155
In Great Britain May 25, 1935
12 Claims. (Cl. 91—45)

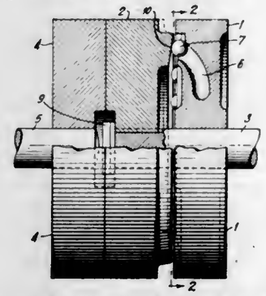


1. A machine for spray painting the outer surface of a railway carriage or wagon stock and the like, comprising a paint gun mounted on a compound carriage so as to be traversed in two dimensions over the surface to be painted, the said compound carriage comprising a truck mounted on wheels for horizontal movement beside the surface to be painted, a vertical guide on said truck, a slide mounted on said guide, means on the slide for carrying the gun, means for imparting to-and-fro movement to the slide on its guide including adjustable control means engaged by the slide for effecting reversal of movement and means for imparting a step-by-step forward movement to the truck in one direction simultaneously with each change of direction of movement of the slide, including further adjustable control means separately engaged by the slide.

2,081,743
CENTRIFUGAL CLUTCH

Robert Rodger Glen, Biarritz, France, assignor to Glen's Patents and Holdings, Inc., New York, N. Y., a corporation of Delaware

Application November 8, 1935, Serial No. 48,877
In Great Britain May 27, 1935
3 Claims. (Cl. 192—105)



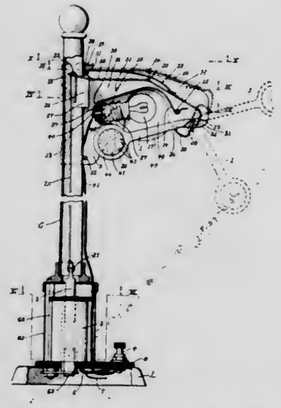
1. A centrifugal clutch mechanism comprising, in combination, a clutch disk arranged on one of two rotatable members for effecting a driving connection between said members, a pair of coupling disks mounted on and rotatable with the other of said members and one disk being axially slidable on its rotatable member and arranged on such sliding movement away from the other disk to cause engagement with said clutch disk, one of said coupling disks being also provided with a series of generally radially disposed pockets which are open at the outer end, said other coupling disk having a cam surface adjacent the open ends of said pockets, and a ball member disposed in each of said pockets and arranged to engage said cam surface under the influence of centrifugal force whereby said coupling disks are forced apart and the slidable one engages said clutch disk, each of said pockets having a curvature adapted to impart a desired acceleration to the movement of said ball members.

2,081,744
SIGNALING DEVICE

Levin G. Handy, Mountain View, N. J.; Bessie Millar Handy, executrix of said Levin G. Handy, deceased, assignor to Bessie Millar Handy

Application April 5, 1934, Serial No. 719,079
1 Claim. (Cl. 177—327)

A signaling device comprising a support, an arm pivotally mounted upon said support for gravity oscillations thereon, and a releasable holding means for said arm having parts cooperative with parts of the arm to stop said oscillations and to move the arm to and hold it in a normal position of rest such that the arm will operate as a pendulum when released from said

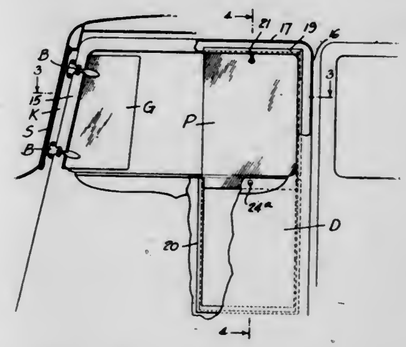


position, and said holding means and said arm also having parts interengageable when moved to an abnormal position of rest to hold the arm in said abnormal position of rest.

2,081,745
VEHICLE WINDOW

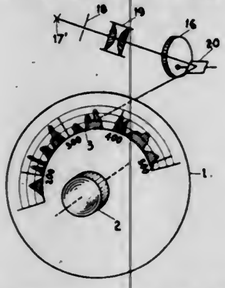
Anna F. Hohmann and Philip F. Hohmann, Los Angeles, Calif.

Application January 2, 1934, Serial No. 704,914
1 Claim. (Cl. 296—44)



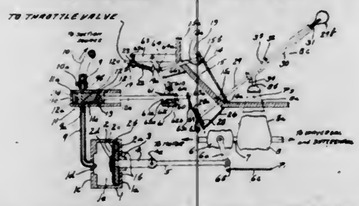
In combination; a vehicle body; a door in the side of the body; a window frame on the door; a main closure slidable in the door and window frame for opening and completely closing the window frame; a U-shaped channel frame in the door; an L-shaped channel frame in the window frame; an auxiliary closure slidable from one channel frame to the other to open or close the rear portion of the window frame and of a length to have a portion thereof remain within the first mentioned frame, when slid in the second mentioned frame; a handle on the upper end of the auxiliary closure; and means for latching the auxiliary closure in frame closing position comprising, a keeper in the lower end of the closure, and a spring pressed bolt movable in the door to engage the keeper and press against the closure when the latter is in open position.

2,081,746
TUNING DEVICE
Hans Erich Hollmann, Berlin-Wilmersdorf, Germany, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application March 28, 1934, Serial No. 717,710
In Germany April 1, 1933
11 Claims. (Cl. 250—40)



1. A visual tuning device for radio receiving sets comprising a translucent dial carrying a scale calibrated according to transmitting stations, means for projecting a punctiform luminous spot upon said scale acting as an index mark for indicating the station received, and further means for moving said spot at right angles to said scale and to variable distances in accordance with the input signal current produced by the station received to indicate the tuning to resonance of the receiver.

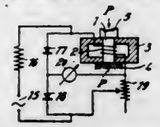
2,081,747
MOTOR VEHICLE CONTROL DEVICE
Charles T. Jacobs, New Providence Township, Union County, N. J.
Application February 2, 1935, Serial No. 4,690
20 Claims. (Cl. 192—.01)



1. In combination in a motor vehicle having a clutch: a pedal movable to effect motor acceleration and de-acceleration, and means, connected with said clutch and responsive to small initial de-accelerating movements of said pedal in all portions of the pedal movement range, for disengaging said clutch.

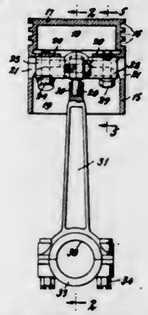
2,081,748
METHOD OF MEASURING MECHANICAL FORCES
Wilhelm Janovsky, Berlin-Spandau, Germany, assignor to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Original application June 26, 1933, Serial No. 677,705. Divided and this application November 21, 1935, Serial No. 50,835. In Germany November 26, 1932
3 Claims. (Cl. 177—351)

1. A method of measuring mechanical forces which consists in subjecting a body of magnetizable material to the forces under test, magnetizing said body by passing through an exciting winding, an alternating current of such strength that the magnetization will exceed the limit given



by the coercive force of the material of the body subjected to the forces under test, and measuring the impedance of said exciting winding.

2,081,749
PISTON AND ROD CONNECTION
Carl Kritzler and Charles Raggenbass, New York, N. Y.
Application August 28, 1936, Serial No. 98,304
1 Claim. (Cl. 309—16)



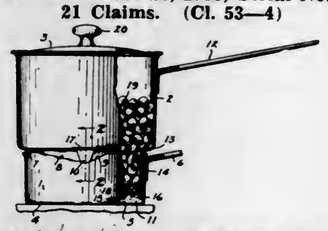
A piston and rod connection including a pair of lugs extending inwardly from opposite sides of said piston, said lugs having outwardly facing concave seats, a clamp element on said seats to act as a bridge therebetween, screws set at divergent angles to rigidly fix said clamp element on said seats, a spherical seat in said clamp element, a ball fitted to the last named seat, and a plain cylindrical stem extending from said ball through said seat to engage the rod connection.

2,081,750
VEHICLE
Richard Laborda, Brooklyn, N. Y.
Application March 28, 1936, Serial No. 71,383
16 Claims. (Cl. 208—23)



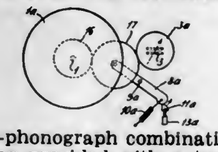
1. A vehicle embodying therein a rear frame, a driving wheel carried thereby, a front frame pivoted intermediate its ends to said rear frame, a steering wheel carried thereby, a steering bar adjacent the top of said front frame, footholds adjacent the bottom thereof whereby said frame may be oscillated by the simultaneous application of foot and arm power in opposite directions to opposite ends thereof, a one-way clutch mechanism carried by said driving wheel, a flexible connection acting upon said clutch mechanism, one end of which is connected with said front frame and spaced from its point of pivotal connection with the rear frame, a seat supported from said rear frame, whereby with the oscillation of said front frame said seat rises and falls, means whereby pivotal movement of said front frame is resisted, and co-operating means upon said seat and upon said rear frame whereby the extent of movement of said seat with said rear frame, is determined.

2,081,751
CORN POPPER
Alexander M. Lendrum and John N. Orebaugh, Norwalk, Ohio
Application October 26, 1935, Serial No. 46,838
21 Claims. (Cl. 53—4)



1. A cooking utensil, comprising in combination an oil container, a grain container having a portion adapted for being removably positioned within said oil container, a drain surface forming a part of said grain container, and grain container supporting cam forming a part of said oil container and engaging a part of said grain container whereby said grain container may be supported at a plurality of levels to drain into said oil container.

2,081,752
COMBINED RADIO RECEIVER AND TALKING MACHINE
Alfred Aubyn Linsell, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application January 17, 1935, Serial No. 2,173
In Great Britain February 28, 1934
1 Claim. (Cl. 179—100.12)

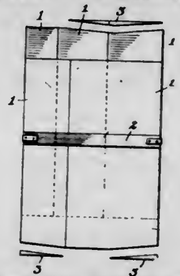


In a radio-phonograph combination, said phonograph being provided with a turn-table, and said radio being provided with an operable tuning device, selective means for mechanically connecting the turn-table with the tuning device when radio reception is desired, and disconnecting the turn-table and tuning device when it is desired to operate the phonograph only, said turn-table constituting the operating control means for operating the tuning device of the radio receiver when said connection is provided, the connecting means between the tuning device and the turn-table comprising a friction gear wheel permanently mechanically connected to the turn-table, and adapted, when the mechanical connection is made, to engage with a driving member, said driving member being permanently mechanically connected with the operable tuning device, a cam surface provided upon said driving member, said mechanical connection and disconnection being made when desired, by causing a displacing movement between the gear wheel and said member, in such a manner as to bring the former into engagement, and out of engagement, respectively, with the cam surface, said cam surface comprising an arcuate surface having as its center, a center about which said member rotates for effecting tuning control, a lever member connected near one end to said driving member so as to support the same, said lever being pivotally mounted about an axis other than the center of rotation of the driving member and means acting upon said lever means for displacing said driving member to thereby provide for making and breaking the mechanical connection.

2,081,753
COMPOSITION OF MATTER AND METHOD FOR PRODUCING
Edwin R. Littmann, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 22, 1932, Serial No. 634,363
9 Claims. (Cl. 260—8)

9. A resinous plastic material which is the condensation product of terpine and a member of the group consisting of maleic anhydride and maleic acid.

2,081,754
METHOD OF CUTTING SHINGLES OR SHAKES
Harold B. Lockhart, Great Falls, Mont.
Application July 15, 1936, Serial No. 90,677
1 Claim. (Cl. 144—309)



The herein described method of cutting shingles or shakes, consisting in first forming a bundle of shingles with alternate layers of shingles disposed in opposite directions with the butts of the shingles exposed at both ends of the bundle and said layers of shingles composed of shingles of varying widths and having their side edges abutting, and then cutting from said bundle of shingles sections of the butts of shingles at the ends of the bundle and along planes inclined to the abutting edges of the shingles leaving irregular outlines to the butts of some of the shingles.

2,081,755
ANTHRAQUINONE DYESTUFFS
Frank Lodge, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 14, 1935, Serial No. 11,161. In Great Britain March 19, 1934
12 Claims. (Cl. 260—59)

1. An anthraquinonyl alkyl sulfide carrying at least one auxochromic group in an alpha position of the anthraquinone radical, and in which the alkyl group contains from 8 to 20 carbon atoms.

2,081,756

ACID DYESTUFFS OF THE ANTHRAQUINONE SERIES

Frank Lodge and Colin Henry Lumsden, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application March 14, 1935, Serial No. 11,162. In Great Britain July 12, 1934
12 Claims. (Cl. 260—59)

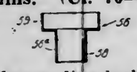
1. A sulfonated anthraquinonyl alkyl sulfide carrying at least one auxochromic group in an alpha position of the anthraquinone radical, and in which the alkyl group contains from 8 to 20 carbon atoms.

2,081,757

AUTHORIZED ACCESS MEANS FOR SAFES OR THE LIKE

Robert L. McIlvaine, Richmond, Ind., assignor to Swayne, Robinson & Company, Richmond, Ind., a corporation of Indiana

Application November 9, 1934, Serial No. 752,216
3 Claims. (Cl. 70—331)



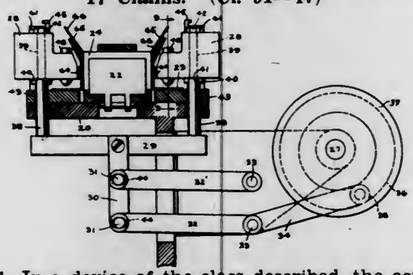
1. Means for safeguarding locks including a key having a shank portion adapted to be interengaged with a rotatable cylinder in but one relative rotative position of the key and cylinder for rotation of the key and cylinder on a longitudinal axis, and a single indicator directed radially of said axis, the shank portion having a single formation interengaging with a similar formation on said cylinder to transmit motion from the key to the cylinder, the said formation on the key lying in one plane passing through and extending along said axis, and the said indicator lying in another plane passing through and extending along said axis, said planes being angularly related.

2,081,758

GLUING MECHANISM

Michael J. Milmoe, Glen Ellyn, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois

Application September 4, 1934, Serial No. 742,532
17 Claims. (Cl. 91—47)



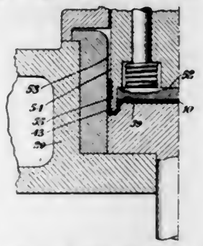
1. In a device of the class described, the combination with a glue reservoir having a passage through the bottom wall thereof, formed with an inner enlarged chamber, a plunger having a portion operating in said passage of a size slightly smaller than said passage to provide a clearance space about said portion of a size through which liquid glue will not gravitate but through which it may be forced and having an enlarged portion operating in said chamber for forcing glue in said chamber through said clearance space, means for resiliently and periodically urging said plunger downward, and means other than the work to which the glue is applied for positively and periodically moving said plunger upward, the enlarged portion on the plunger forcing the glue from said chamber into and through said passage, on the downward movement thereof, into glue applying position on said device.

2,081,759

FLANGED HEAD FOR PAPER CONTAINERS AND METHOD OF MAKING THE SAME

George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware

Application July 17, 1934, Serial No. 735,562
20 Claims. (Cl. 93—51)



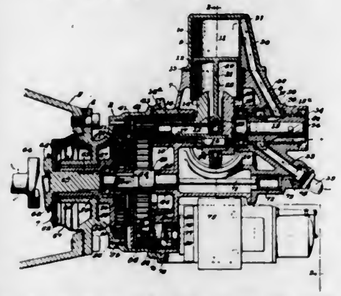
1. The method of producing an article of the character described which comprises making a blank of paper stock and metal foil laminations with an elastic adhesive therebetween, and subjecting said blank to the action of dies for conforming the same to a desired shape.

2,081,760

ENGINE STARTING MECHANISM

Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application March 22, 1930, Serial No. 438,220
6 Claims. (Cl. 121—37)



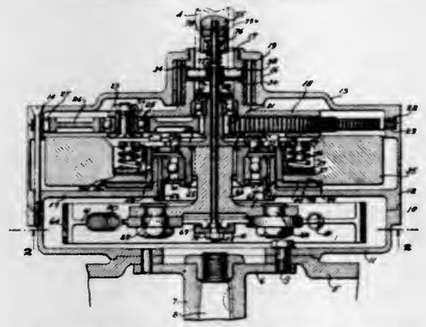
1. In apparatus of the class described, the combination of a fluid pressure engine having a crankcase, a crankshaft journaled therein and a plurality of radially arranged pistons for actuating a common crank pin of said crankshaft, a driving member adapted to be driven by said engine, said driving member being normally out of engagement with but adapted to be moved into engagement with and to crank a member of the engine to be started, a rod extending through said crankcase in parallelism with said crankshaft, and actuated by the pressure of the fluid supplied to said fluid pressure engine for causing said rod to engage and move said driving member into cranking engagement with the engine member, and means for supplying pressure fluid to at least one of said pistons to cause said crankshaft and driving member to begin to rotate simultaneously with the beginning of movement of said driving member into cranking engagement.

2,081,761

ENGINE STARTING MECHANISM

Romeo M. Nardone, Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application January 7, 1931, Serial No. 507,229
5 Claims. (Cl. 123—179)



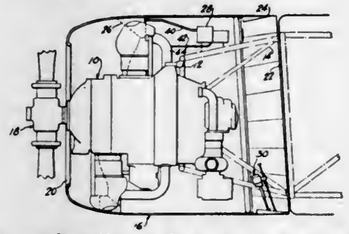
1. An engine starting mechanism comprising in combination, a high speed shaft, actuating means for said shaft, a casing enclosing said shaft and actuating means, speed responsive mechanism driven by said shaft and tending to move radially into engine engaging position, means normally locking said speed responsive mechanism against such radial movement comprising a projecting lug on said speed responsive mechanism near its center of rotation, a holding member engageable with said lug, and means operable at the will of the operator for rendering said locking means ineffective to prevent said radial movement, said means comprising a rod connected to said holding member and extending through said shaft and casing in co-axial relation thereto.

2,081,762

AUTOMATIC REGULATION FOR ENGINE COOLING MEANS

Harry C. Nissen, South Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application September 22, 1936, Serial No. 101,961
14 Claims. (Cl. 123—178)



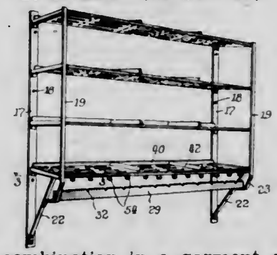
1. In combination with an engine having a plurality of heat radiating cylinders, a cowling inclosing said cylinders, baffles between said cylinders to restrict the flow of cooling air through said engine and create an air pressure differential within said cowl upon opposite sides of said baffles, and movable cowl flaps for controlling the air pressure on the low pressure side of said baffles, power operated means effective to open and close said cowl flaps, and means responsive to the pressure drop across said baffles for controlling said power operating means.

2,081,763

GARMENT RACK

George Peterson and Raymond A. Magnuson, Chicago, Ill., assignors to Vogel-Peterson Co. Inc., Chicago, Ill., a corporation of Illinois

Application June 20, 1934, Serial No. 731,400
17 Claims. (Cl. 211—90)



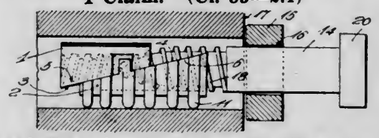
1. The combination in a garment support of the character described, spaced end members comprising rear portions adapted for connection in upright position to a support, outer frame members, shelf supporting bars each connected at opposite ends to one of each of said rear portions and outer frame members, bracing means connecting the lower part of said rear portions and said outer frame members, bracket members formed separately from said bracing means and associated with the lower part of said outer frame members, shelving carried by said shelf support bars, and a hanger rail spanning said brackets and connected thereto, said rail forming the only substantially permanent connection between the outer parts of said end members.

2,081,764

BOLT ANCHOR

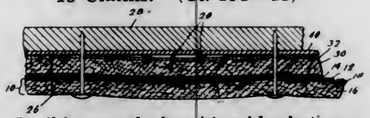
Henry W. Pleister, Westfield, N. J., assignor to H. B. Newhall Corporation, Garwood, N. J., a corporation of New Jersey

Application July 31, 1935, Serial No. 34,104
1 Claim. (Cl. 85—2.4)



In a bolt anchor to cooperate with a given size bolt or screw, said anchor being provided with a throat having a diameter to receive said given size bolt, the combination of a shield, formed of a plurality of radially movable parts, at least one of which parts, is provided with interior mutilated female threads, said shield having an axial bore of less diameter than the diameter of a given size bolt or screw, an expanding bolt or screw adapted to pass freely thru the throat of the bolt anchor, but being of greater diameter than the axial bore of the bolt anchor, thereby insuring a quick preliminary or rough radial expansion of the bolt anchor, and that the area of contact between the male thread of the expanding bolt or screw and the mutilated female thread of the shield will not be substantially decreased as the shield is expanded by the bolt or screw, preventing stripping of the mutilated screw threads, and means including wedge surfaces to give the final radial expansion to the bolt anchor.

2,081,765
ACOUSTICAL STRUCTURE
Theodore M. Prudden, Hingham Center, Mass.
Application May 21, 1935, Serial No. 22,586
13 Claims. (Cl. 154—44)

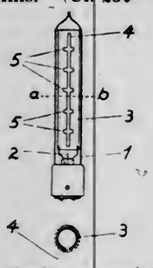


1. A flexible sound absorbing blanket comprising a stack of resonant paper sheets of different weights, the outermost sheet carrying a layer of loosely arranged fibres that provide a surface of low sound reflecting property, and means loosely connecting said sheets together at spaced intervals only.

2,081,766
THIOETHERS AND THEIR PRODUCTION
Walter Reppe and Fritz Nicolai, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application September 18, 1934, Serial No. 744,534. In Germany September 23, 1933
12 Claims. (Cl. 260—150)

1. The process of producing thioethers which comprises acting on a mercaptan with acetylene at a temperature of between 50° and 300° C. in the presence of a compound of a metal of the first and second groups of the periodic system selected from the group consisting of basic metal compounds and salts of zinc and cadmium with an organic acid.

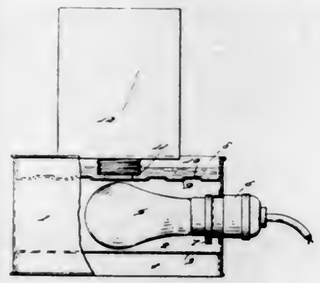
2,081,767
INDICATING DEVICE
Rudolf Hans Richter, Leipzig, Germany, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application September 10, 1935, Serial No. 39,895
In Germany September 10, 1934
6 Claims. (Cl. 250—27.5)



1. A discharge device comprising a cylindrical vessel filled with a gaseous atmosphere, a concentric tubular cathode therein, an anode disposed in operative relation to said cathode, said cathode having a longitudinal slit means for preventing a glow discharge on the outside surface of said cathode, further means for preventing light reflections from the portion of the cathode wall opposite said slit, and a plurality of spaced shorter slits arranged transverse said first slit.

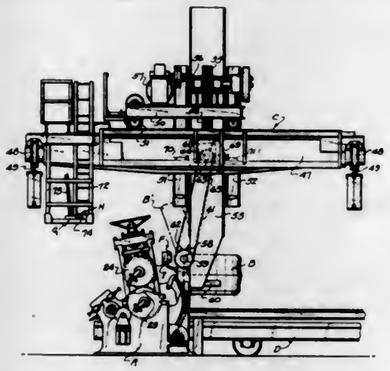
2,081,786
VAPORIZER
Richard M. Ritter, Philadelphia, Pa.
Application May 11, 1934, Serial No. 725,120
1 Claim. (Cl. 21—120)

In a vaporizer, an imperforate casing having its bottom deflected upwardly to form an insulating space, an imperforate cover in frictional engagement with the walls of said casing and deflected downwardly to form an evaporating surface, an electric light bulb within said casing, an inverted screw cap having an opening in its



bottom, means to secure said bottom to said cover at opposite points to space its discharge opening from the cover, and an inverted container for the product to be vaporized having a screw threaded discharge end to be screwed into said cap.

2,081,769
METHOD AND APPARATUS FOR HANDLING AND EMPTYING GLASS MELTING POTS
Harry E. Robinson and Frank C. Eicher, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 4, 1934, Serial No. 723,913
17 Claims. (Cl. 49—39)



1. The combination with a sheet glass rolling machine including a pair of horizontal driven forming rolls spaced from one another to create a sheet forming pass therebetween, means associated with said forming rolls and adapted to receive a charge of molten glass therein and from which the said glass passes between the forming rolls and is reduced thereby to sheet form, and a portable pot containing a charge of molten glass to be deposited in said last-mentioned means, of means for supporting and effecting the discharge of the molten glass from said pot, and means under the control of an operator and operatively connected with the forming rolls and pot supporting means for automatically causing the pot to start tipping when a substantially predetermined and selected portion of the forming roll peripheries reaches a predetermined position in their rotation.

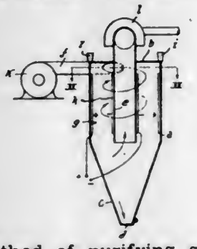
2,081,770
PRODUCING ACETALDEHYDE FROM ACETYLENE
Walter Rosinsky, Oppau, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 29, 1934, Serial No. 742,005. In Germany September 7, 1933
5 Claims. (Cl. 260—139)

1. A process for producing acetaldehyde by catalytic hydration of acetylene which comprises rapidly passing an impure gas mixture comprising acetylene, while warming, through an ansolvo acid solution thereby substantially removing the impurities from such gas mixture and converting part of the acetylene into acetaldehyde and then subjecting the residual purified gas to catalytic hydration in the gaseous phase.

2,081,771
METHOD OF PRODUCING DRY-RECTIFIERS AND BLOCKING LAYER-PHOTO-CELL PLATES
Emil Rupp, Reihen, Germany, assignor to Allgemeine Elektricitatz Gesellschaft, Berlin, Germany, a corporation of Germany
No Drawing. Application January 24, 1936, Serial No. 60,637. In Germany February 5, 1935
2 Claims. (Cl. 136—89)

2. A plate for use in making dry rectifiers, light-sensitive elements and the like, said plate having formed on at least one face thereof a layer of selenium to which has been added from one to three percent by weight of one of the mercury compounds from the group which includes mercury bromide and mercury chloride.

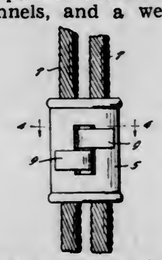
2,081,772
METHOD AND DEVICE FOR THE ELECTRICAL PURIFICATION OF GASES
Eugène Camille Saint-Jacques, Paris, France
Application February 1, 1937, Serial No. 123,316
In France January 7, 1936
5 Claims. (Cl. 183—7)



1. The method of purifying gas, comprising imparting a downward and helical movement to an annulus of gas containing particles of dust, subjecting substantially the entire length of the annulus of gas between the inner and outer peripheries thereof to an electrical discharge passing in one direction through the annulus of gas, to remove the dust to the outer periphery of the annulus, and then passing the purified gas upwardly through the center of the annulus.

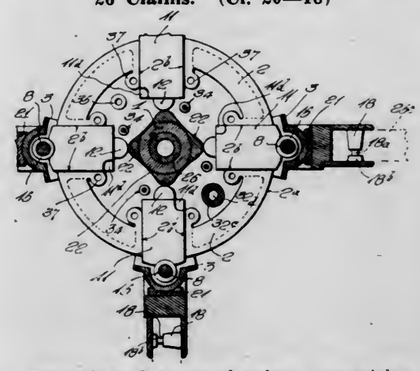
2,081,773
CABLE SPLICING DEVICE
Philip A. Schmuck, Winter Haven, Fla.
Application July 2, 1936, Serial No. 88,675
1 Claim. (Cl. 24—136)

As a new article of manufacture a rope clamp or splicing device comprising a sleeve provided with slots in opposite sides thereof intermediate the ends of the sleeve, said sleeve having internal longitudinal channels at each side of said slot for receiving a pair of cables for seating in the respective channels, and a wedge having end



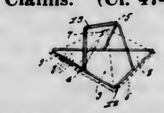
portions adapted to engage in the slots, said wedge being positioned between the cables for retaining the same in said channels and said wedge having a split tapered end for bending oppositely against the sleeve transversely of the cables.

2,081,774
REVOLVING DOOR MECHANISM
John W. Shields, Evansville, Ind., assignor, by mesne assignments, to International Door Company, Evansville, Ind., a corporation of Illinois
Application December 17, 1934, Serial No. 757,941
26 Claims. (Cl. 20—18)



1. Revolving door mechanism comprising in combination with a rotatable shaft of a revolving door assembly, members carried by the rotatable shaft, radially projectable means mounted in each of said members, angularly shiftable means within said members for simultaneously controlling the position of said radially projectable means, and latch members carried by the revolving door assembly and coacting with each of the projectable means.

2,081,775
PLANT PROTECTOR
Starkie N. Slade, Sr., Durham, N. C.
Application March 21, 1936, Serial No. 70,116
6 Claims. (Cl. 47—28)

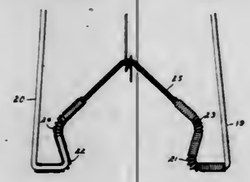


1. A plant protector comprising a hollow pyramidal shaped body formed from a single sheet of semi-transparent material, a flange depending from the lower edge of the body, and said

body having an opening disposed adjacent the apex thereof and openings adjacent its lower edge for cooperation with each other to provide ventilation therefor.

5. A plant protector comprising a hollow pyramidal shaped body, a flange depending from the lower edge thereof, and means including a base frame shaped to follow the flange for engagement therewith for embedding the latter within the ground for anchoring the protector in position for use, and handled means for the base frame.

2,081,776
ENCLOSED ARC DEVICE
Royal F. Strickland and Harold D. Blake, Cleveland Heights, and Stuart McLean, South Euclid, Ohio, assignors to General Electric Company, a corporation of New York
Application May 19, 1931, Serial No. 538,530
8 Claims. (Cl. 176—1)



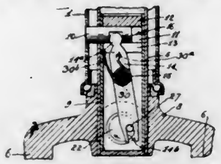
1. An electric lamp comprising a bulb having therein an atmosphere of readily ionizable gas, a pair of spaced leading-in conductors sealed in a wall of said bulb and projecting into the interior thereof, a pair of spaced metallic main electrodes carried one by each of said leading-in wires and defining therebetween a concentrated arc gap, a filament in said bulb having its middle portion deflected away from said concentrated arc gap, and a pair of intermediate secondary electrodes of higher current carrying capacity and lower resistance than said filament each adjacent one of said main electrodes but disposed out of the concentrated arc gap therebetween, each of said secondary electrodes being secured at one end to one end of said filament and at its opposite end being electrically connected to the adjacent leading-in conductor.

2,081,777
MANUFACTURE OF HOLLOW RUBBER ARTICLES
Josef Anton Talalay, Bedford, England
Application December 16, 1935, Serial No. 54,715
In Great Britain January 10, 1934
3 Claims. (Cl. 18—56)



1. A process for molding hollow rubber articles with walls of uniform thickness, consisting in profiling a sheet of raw unvulcanized rubber stock so as to produce a sheet of non-uniform thickness having at least one part adapted to be forced into a mold cavity and the thickness of said part varying according to the varying depth of the mold cavity and reaching a maximum at the point corresponding to the deepest part of the cavity, forcing the said part of the profiled sheet into the mold cavity under pressure and vulcanizing the molded rubber.

2,081,778
BICYCLE LOCK
Oscar Taman, Chicago, Ill.
Application November 14, 1935, Serial No. 49,651
20 Claims. (Cl. 70—187)



1. A lock for a bicycle frame having a fixed tubular head with a wheel fork including a crown portion and a hollow stem rotatable in the head, a block fitted rigidly in the hollow stem and formed with a guideway extending diametrically therein, a bolt slidable in said guideway for projection from the stem into engagement with the head, a key-controlled cylinder lock mounted in the crown, and means positively connecting said bolt with said lock for actuation thereby into and out of engagement with the head.

2,081,779
FACE MASK
Robert S. Titus, New Rochelle, N. Y.
Application July 16, 1936, Serial No. 91,009
15 Claims. (Cl. 128—146)

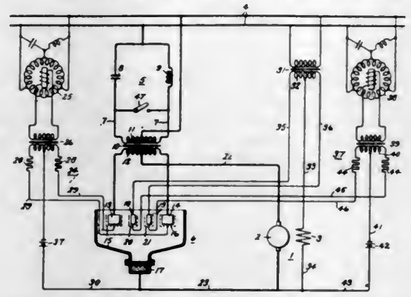


15. A face mask comprising a fabric body of dimensions adapting it to cover the lower portion of a person's face, retaining means along the upper edge portion of the body, a strand of pliable form-retaining material extending along the upper edge portion of the body and removably held by the retaining means with its end portions projecting from said body, the intermediate portion of the strand being bendable to conform to the contour of the nose and side portions of a person's face and the extended end portions being of a length adapting them to be bent to form temples, and means carried by the lower edge portion of the body for securing the same close against portions of a person's face covered thereby.

2,081,780
ELECTRIC CONTROL CIRCUITS
Richard Tröger, Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company, a corporation of New York
Application May 27, 1936, Serial No. 82,017
In Germany July 29, 1935
14 Claims. (Cl. 171—312)

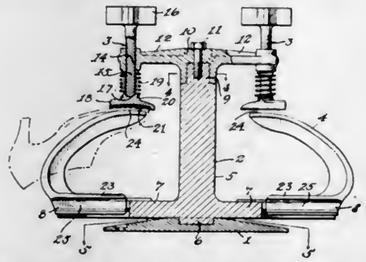
1. In combination, an alternating current circuit of constant potential, means energized from said alternating current circuit for transforming constant potential alternating current to alternating current of constant value, a dynamo-electric machine, electric valve means interposed between said first-mentioned means and said

dynamo-electric machine for supplying direct current of constant value to said machine, and



means for controlling said dynamo-electric machine.

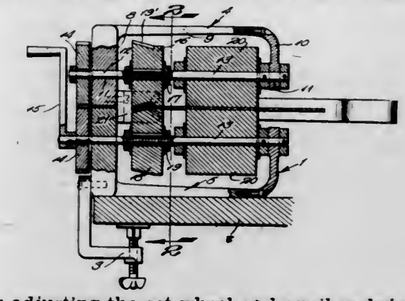
2,081,781
SHOE TIP PRESS
Paul Ward, Nashville, Tenn.
Application September 28, 1936, Serial No. 103,001
2 Claims. (Cl. 12—37)



1. A shoe tip press comprising an upright frame, a horizontally-disposed slotted portion upon the frame and forming a track, a slide block shiftable along the track, an upwardly arched shoe support mounted upon the slide block and having a last designed to be introduced into the toe end of a shoe, a compression member mounted upon the frame above the track, said compression member comprising a threaded shaft supported upon the frame and rotatably adjustable toward and from the shoe support, said shaft having a spherical portion upon its lower end, a presser foot engaging the spherical end of said shaft and having a saddle designed to loosely abut the spherical end of the shaft, and a coil spring surrounding the shaft and connecting the presser foot with the frame for impositively and yieldingly retaining the saddle in engagement with the shaft.

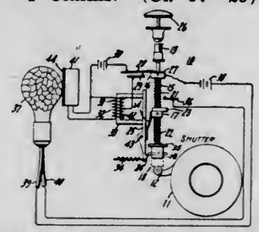
2,081,782
HAND SAW SET
Silas S. Ward, Oak Grove, La.
Application May 15, 1936, Serial No. 79,989
1 Claim. (Cl. 76—59)

A saw set comprising a frame mounted to a support and including hingedly connected sections, fastening means between said sections for releasably securing them in operative relation, shafts journaled to said sections, gearing between said shafts, means for rotating one of the shafts, a set wheel secured to one of the shafts, an anvil secured to the other shaft cooperating with the set wheel in setting teeth of a saw blade, cushion rollers mounted on said shafts to support the saw blade, guards secured to the frame to be contacted by the teeth of the saw blade during the setting operation of the teeth, and means



for adjusting the set wheel and anvil endwise of the shafts and towards and from the guards.

2,081,783
FLASH LAMP SYNCHRONIZING DEVICE
Estell M. Watson, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application January 10, 1936, Serial No. 58,507
4 Claims. (Cl. 67—29)

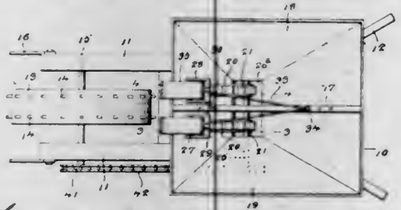


1. In an apparatus of the type described, the combination of a flashlamp, a camera shutter, means for actuating said shutter, magnetic means for holding said shutter-actuating means in an inoperative position, means for energizing said flashlamp, a light-sensitive cell disposed adjacent said flashlamp, and an electrical circuit including said cell for repelling the magnetic flux in said holding means immediately after said flashlamp is energized and the light therefrom falls upon said light-sensitive cell thereby releasing said shutter-actuating means.

2,081,784
COMBINATION PLANTER AND FERTILIZER DISTRIBUTOR
John Clifton Weems, White Hall, Ala.
Application January 6, 1936, Serial No. 57,841
1 Claim. (Cl. 111—73)

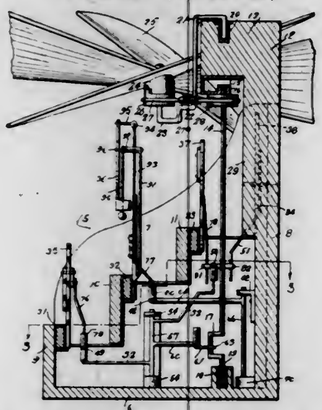
A machine of the character described comprising a hopper having a partition interiorly dividing it into independent compartments, pairs of upper and lower belt pulleys arranged within the respective compartments, journals for said belt pulleys, swinging forks mounted at the top of the hopper and fitted with the journal for the upper pulleys, endless belts trained over the pulleys, lifter buckets on said belts, shields arranged at opposite sides of the pulleys and fixed relative thereto, said shields having clearances for the journal of the upper pulleys, a pocket formed at the bottom of said hopper for accommodating the belt therein, elbows about the upper pulleys and having discharge funnels directed downwardly exteriorly of said hopper, a digger point supported in advance of the lower ends

of said funnels, the shields being cut away for a distance within said pocket, and selectively ad-



justable means for fastening the forks in a fixed position.

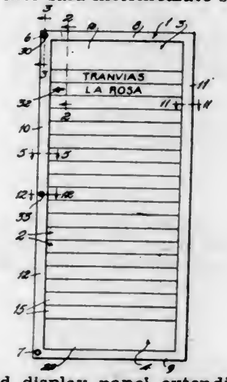
2,081,785
MECHANICAL FIGURE TOY
Lawrence Andreatta, Chicago, Ill., assignor of one-half to Santo Ceretta, Chicago, Ill.
Application August 15, 1935, Serial No. 36,399
1 Claim. (Cl. 46—55)



In a mechanical figure toy of the character described, a casing, strips extending longitudinally of the casing in spaced and stepped relation, rows of figure toys removably supported on the strips, some of said toys having movable parts, a bell crank lever at each end of the casing and including a vertical bearing spindle and lateral arms, longitudinally extending rods pivotally connected at their ends to the outer ends of the bell crank arms, and respectively associated with a row of toy figures, means connecting the movable parts of the toy figures to the rods and means for oscillating the bell crank spindles for effecting reciprocation of the rods, the oscillating means for the bell crank spindles including a vertical crank shaft, a horizontally swinging arm having one end journalled coaxially with the crank shaft, a fan wheel rotatable on the other end of the arm, a drive connection between the fan wheel and crank shaft, and link connections between the crank shaft and one of the bell crank spindles.

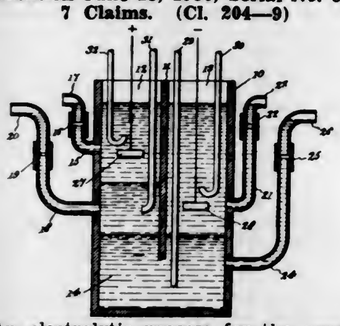
2,081,786
DISPLAY, DIRECTION, OR GUIDE APPARATUS
Francisco Blasquez and Alejandro Ordorica, Mexico, D. F., Mexico
Application December 28, 1936, Serial No. 118,008
In Mexico November 30, 1936
5 Claims. (Cl. 40—64)

1. A display apparatus comprising a panel receiving element of frame-like form including a top, bottom and a pair of sides, said element being formed with an inwardly opening pocket having an upper stretch in said top, a lower stretch in said bottom and an intermediate stretch in one of said sides, said element being formed with an opening in its other side communicating with one end of the upper and lower stretches of said pocket and disposed in parallel spaced relation to the mouth of the intermediate display panels extending through said opening and into said intermediate stretch, a re-



movable head display panel extending through said opening and into said upper and intermediate stretches and seated on said set, a removable base display panel extending through said opening and into said lower and intermediate stretches and supporting said set, a retainer for said panels disposed within and lengthwise of said opening, said retainer being formed with inwardly extending apertured ears at its ends, and means extending through the top and bottom of said element and through said ears for detachably securing the retainer to said element.

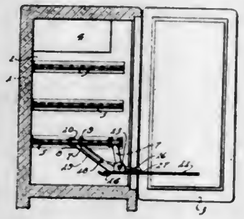
2,081,787
ELECTROLYTIC PROCESS AND APPARATUS FOR THE PRODUCTION OF CHROMIC ACID AND CAUSTIC ALKALI
John W. Boss, Livingston, Mont., assignor to Chromium Products Corporation, Livingston, Mont., a corporation of Montana
Application June 15, 1936, Serial No. 85,405
7 Claims. (Cl. 204—9)



1. An electrolytic process for the production of chromic acid and caustic alkali which comprises providing a feed solution of an alkali chromate, floating on said feed solution a less dense product solution of caustic alkali, floating on said feed solution independently of said caustic alkali product solution a solution of impure chromic acid less dense than the feed solution,

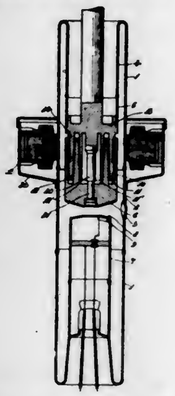
floating on said impure chromic acid solution a less dense chromic acid product solution, and passing current consecutively through the solutions.

2,081,788
REFRIGERATOR CABINET
Edward W. Bottum, Detroit, Mich.
Application September 9, 1935, Serial No. 39,775
5 Claims. (Cl. 312—186)



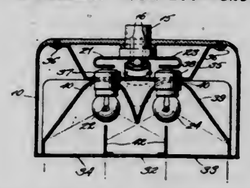
1. Means for mounting a supplemental shelf and closure element on a grill type shelf of a refrigerator whereby it may be swung to alternative positions where it projects through the door opening of the refrigerator or where it acts as a partial closure for said door opening, said means comprising a pair of brackets, each bracket having plates adapted to span a plurality of shelf grill members on opposite sides thereof respectively, securing elements adapted to extend between the grill members to unite said pair of plates, and a supplemental shelf and closure element pivotally mounted in said pair of brackets.

2,081,789
X-RAY TUBE HAVING A ROTARY ANODE
Albert Bouwers, Eindhoven, Netherlands, assignor, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a Dutch company
Application May 31, 1933, Serial No. 673,782
In Germany May 30, 1932
11 Claims. (Cl. 250—35)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



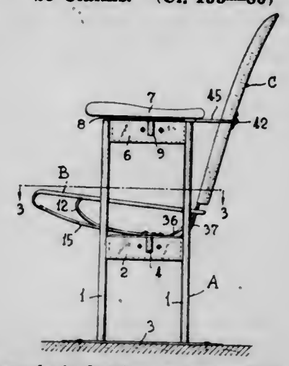
1. An electric discharge tube comprising an evacuated envelope, electrodes within said envelope, one of said electrodes being movable during the operation of the tube, and a body of good heat conductivity, said movable electrode and body being provided with solid interlapping portions of large mass, said portions having large-area opposing surfaces closely spaced in good heat-radiating relationship.

2,081,790
TURN INDICATING SYSTEM AND APPARATUS
Constantine A. Braun, Pottsville, Pa.
Application March 9, 1936, Serial No. 67,964
3 Claims. (Cl. 177—329)



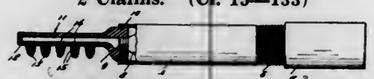
1. A signal lamp for motor vehicles, comprising a lamp casing, a U-shaped signal box in the casing, a tail lamp in the casing below the box, a stop lamp in the casing above the box, there being a light slot in the vertical wall of the box terminating at each end in a direction indicating arrowhead, an M-shaped reflector forming a closure for the box, a pair of lamps in the reflector, each lamp respectively overlapping an arrowhead and a portion of the slot adjacent to the arrowhead, and shades extending from the vertical wall of the box at the wide ends of the arrowheads toward the lamps, the center portion of the M-shaped reflector extending to approximately a plane in which the rear edges of the shades are located whereby to permit each lamp to illuminate the slots and only one of the arrowheads.

2,081,791
CHAIR
Irl R. Bromagem, Union City, Ind.
Application March 21, 1935, Serial No. 12,315
23 Claims. (Cl. 155—86)



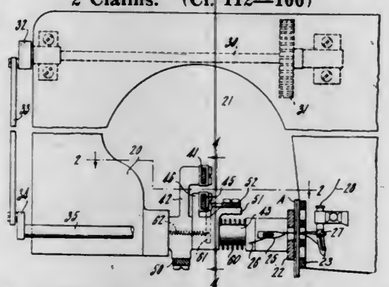
13. In a chair having a supporting frame including a cross tie extending transversely thereof and a seat portion mounted on the cross tie, the combination of a back including a skeleton frame of spring metal comprising an outer element defining the outline of the back and an inner element connected at spaced points to the outer element, portions of the back frame being extended from the lower part thereof and mounted on the cross tie, and resilient means spaced above the lower part of the back frame connecting the upper portion of the back frame to the supporting frame.

2,081,792
POCKET TOOTH BRUSH
Harilaos D. Cassanos and Demetrios H. Cassanos, Woburn, Mass.
Original application February 16, 1935, Serial No. 6,746. Divided and this application April 30, 1936, Serial No. 77,260
2 Claims. (Cl. 15—133)



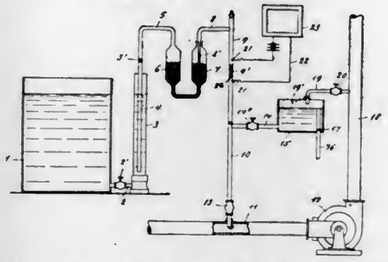
1. A brush head of soft flexible material comprising a body having a chamber, and hollow integral teats extending laterally from the body and communicating with said chamber, said teats being closed at their ends remote from the chamber and being provided in their side walls with discharge apertures extending transversely through said walls and inclined in a direction away from the chamber.

2,081,793
REENFORCING THREAD APPLYING MEANS FOR SEWING MACHINES
Lincoln A. Cundall, Buffalo, and Orme E. Cheatham, West Brighton, Staten Island, N. Y., assignors to Bagpak, Inc., New York, N. Y., a corporation of Delaware
Application August 6, 1935, Serial No. 34,870
2 Claims. (Cl. 112—100)



1. A double-thread, interlocked chain stitch sewing machine, comprising a machine frame, a presser foot rod resiliently mounted in said frame for guiding material through the machine, a needle reciprocally mounted in said machine frame adapted to pierce the material being sewn at stitching intervals, a looper mounted in said machine frame, a needle thread supplied to said needle and a looper thread supplied to said looper, mechanism for cooperatively actuating said needle and said looper to form a seam with said threads, and means associated with said needle operated by said actuating mechanism in synchronism with the needle and looper to shift each of two reenforcing threads alternately to opposite sides of the needle at each reciprocation thereof, said reenforcing threads being thereby bound beneath the stitches of the needle thread to reenforce the seam, said means comprising a pair of reenforcing thread guiding arms having eyes at their ends coextensively rocked to move said eyes to opposite sides of the needle, and a rock shaft and linkage connected therewith, said rock shaft performing a complete cycle of operation for every two reciprocations of said needle, said guiding arms being pivotally mounted upon said presser foot rod and being angularly extended past opposite sides of said needle and extended forwardly in spaced relation to each other, the most forwardly extending of said arms being resiliently retained in position and capable of pivotal retraction toward the other of said arms.

2,081,794
APPARATUS FOR PURIFYING LIQUIDS
Salvador de Echagaray, Mexico City, D. F., Mexico, assignor, by direct and mesne assignments, of one-third to Alberto Mascarenas and two-thirds to Aguas Purificadas, Sociedad Anonima, Mexico City, D. F., Mexico, a company of Mexico
Application June 25, 1935, Serial No. 28,351
In Mexico August 21, 1934
5 Claims. (Cl. 210—29)



1. Apparatus for purifying liquids, comprising, in combination, a pump for displacing the liquid to be purified, a tank containing a purifying solution, a liquid container and means placing it in communication with said tank, a tube descending into said container, a filter connected in series with said tube, a solution discharge pipe connecting said filter with the intake side of said pump, a separate tank and means for feeding thereto liquid taken from the discharge side of said pump, means for maintaining a constant level in said separate tank, hydro-dynamic means operated by liquid escaping from said last-named tank for creating a partial vacuum in the solution discharge pipe and for thus drawing said solution into the intake side of said pump, and electrical indicating means maintained inoperative by the flow of solution in said discharge pipe for giving an indication upon cessation of such flow.

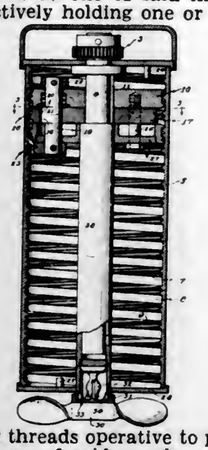
2,081,795
SULPHOAROMATIC COMPOUND OF CERTAIN HIGHER ALIPHATIC KETONES
Melvin De Groote, St. Louis, Mo., assignor to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application June 8, 1936, Serial No. 84,180
7 Claims. (Cl. 260—131)

1. A new chemical compound consisting of sulphoaromatic derivatives of ketones obtained by sulphonation and condensation reactions involving aromatic compounds of the kind which are susceptible to Twitchell condensation and aliphatic ketones derived from fatty acids having at least 11 carbon atoms and not more than 22 carbon atoms, said ketones being additionally characterized by being susceptible to sulphation.

2,081,796
RECIPROCATING MOTION DEVICE
Hart E. Delvin, Gary, Ind.
Application June 6, 1936, Serial No. 83,865
11 Claims. (Cl. 74—22)

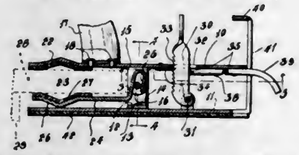
1. In a reciprocating drive mechanism an internally threaded member, an externally threaded member, each of said members having thereon a broad crested thread and a narrow crested thread of different pitch formed on the crests of said broad crested thread, the respective threads on said members being formed to mate

with each other, and relatively shiftable thread engaging means on one of said threaded members for selectively holding one or the other set



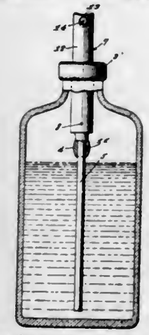
of said mating threads operative to produce axial movement of one of said members through the relative rotation of said members.

2,081,797
CLAMP
Vincent Di Figlia, Brooklyn, N. Y.
Application April 22, 1936, Serial No. 75,900
10 Claims. (Cl. 24—250)



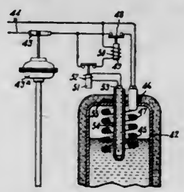
1. Means for connecting an adjustable lamp bracket to a support comprising a pair of pivotally connected upper and lower clamping plates, a finger piece carried by one end of the upper plate, a wall rising from the corresponding end of the lower plate and having a slot therein through which the finger piece extends and ratchet means carried by one plate and operatively engaging the other plate for retaining the plates in adjusted clamping position.

2,081,798
BOTTLE SPRAY NOZZLE
Joseph M. Dinneen, Lowell, Mass.
Application March 9, 1936, Serial No. 67,976
2 Claims. (Cl. 299—97)



2. A spray nozzle comprising a cylinder, a cap secured on said cylinder and mounted on a bottle with the cylinder extending into the latter, a sleeve reciprocally mounted in said cylinder, a nozzle carried by said sleeve, a tube supported by the cylinder and extending into the sleeve and into the contents of the bottle, a valve seat secured to said tube and frictionally engaging said sleeve, a ball valve engaging said seat, a spring interposed between the sleeve and the seat, a finger rest formed on said sleeve, a shoulder formed on said sleeve to abut with the cylinder, and a pin secured to the cylinder, said sleeve having a slot to receive the pin for securing the shoulder against the cylinder.

2,081,799
FLUID PRESSURE EQUALIZING ARRANGEMENT
John H. Doran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 27, 1934, Serial No. 737,236
1 Claim. (Cl. 103—224)

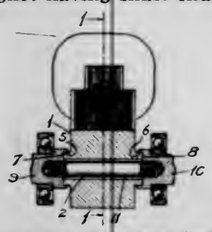


The combination of a reciprocating pump, a conduit connected to the outlet of the pump for conducting liquid to an elastic fluid generator, a device connected to the conduit in close proximity to the pump for equalizing fluctuations in pressure of the liquid discharged by the pump into the conduit, said device comprising a closed cylinder communicating with the conduit, a helically wound electrical heating resistance disposed within an upper portion of the cylinder and partly immersed in liquid during normal operating conditions, an electric circuit for the resistance, said circuit including a switch and a relay having a contact-making member in series with the switch, means including a pressure-responsive device connected to the outlet of the pump for automatically actuating the switch, and other means for automatically opening said relay to disconnect the resistance as the temperature in the cylinder reaches a predetermined high value, said other means including an electric circuit with another relay for energizing the first named relay and a thermo element centrally disposed within the spiral and normally partly immersed in liquid to energize the other relay to effect opening of the other relay and deenergization of the first mentioned relay in response to a predetermined high temperature in the cylinder.

2,081,800
MAGNETO-ELECTRIC GENERATOR
Le Roy S. Dunham, East Orange, and Arthur F. Robertson, Belleville, N. J., assignors to Edison-Splitdorf Corporation, West Orange, N. J., a corporation of New Jersey
Application June 14, 1935, Serial No. 26,686
12 Claims. (Cl. 171—209)

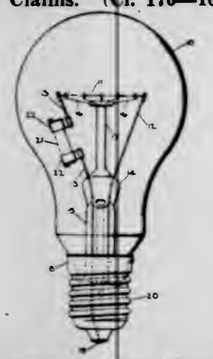
1. In a magneto electric generator having a relatively stationary system including a coil and members of magnetic material for gathering and sending magnetic flux therethrough, a rotary permanent magnet for supplying magnetic flux to said system, said magnet being made with

hubs at each end and spaced recesses forming poles, the magnet having shaft ends fastened to



said hubs, and pole shoe pieces fastened to said poles.

2,081,801
INCANDESCENT ELECTRIC LAMP
Wilhelm Dunkel, Berlin-Tempelhof, Germany, assignor to General Electric Company, a corporation of New York
Application February 20, 1936, Serial No. 64,967
In Germany March 13, 1935
2 Claims. (Cl. 176—16)

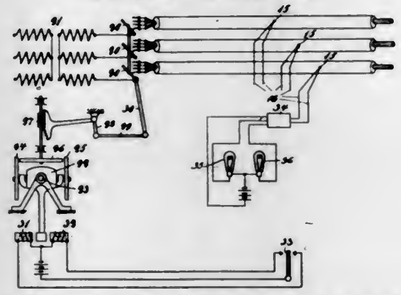


2. An incandescent electric lamp comprising a bulb containing a filament having a positive temperature-resistance coefficient and also containing a resistance body of uranium dioxide electrically connected in series with said filament.

2,081,802
MANUFACTURE OF LIGHT CONCRETE
Karl Ivar Anders Eklund, Malmo, Sweden
No Drawing. Application December 31, 1934, Serial No. 760,018. In Sweden November 15, 1933
3 Claims. (Cl. 25—155)

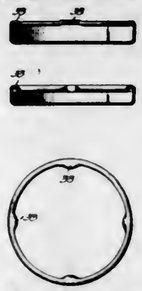
1. In the manufacture of light-weight building material having a low shrinkage, a low hygroscopicity and containing voids of chiefly macroscopic size; the process which comprises mixing together a binder consisting substantially of Portland cement, water, and a sufficient quantity of very finely divided siliceous material to convert substantially all the calcium silicates of higher basicity present into hydrates of mono-calcium silicate, said quantity substantially equaling the weight of the Portland cement present; gas expanding said mixture to produce macroscopic voids and indurating said mixture by steam under sufficient pressure and for a sufficient length of time to produce the said conversion into said hydrates of mono-calcium silicate; said induration being capable of producing substantially the results of an induration for a period of from about 4 to 10 hours at a pressure ranging from about 10 to 12 atmospheres.

2,081,803
OIL INSULATED CABLE
Bernhard Sophus Faith Ell, Spanga, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden
Application October 2, 1930, Serial No. 486,004
In Sweden October 16, 1929
12 Claims. (Cl. 171—97)



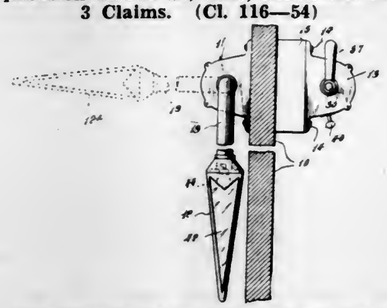
11. A temperature control system comprising an oil insulated heavy current cable including a plurality of parallel insulated conductors, a source of current, switching means controlling the connections between the source of current and the respective conductors, a driving device for actuating the switching means to vary the number of conductors connected with the source of current, a contact device responsive to temperature variations in the cable, and shifting means including circuits controlled by the contact device for reversing the operation of the driving device at certain temperatures in the cable to vary the number of conductors connected with the source of current to maintain the temperature of the cable within predetermined limits.

2,081,804
METHOD OF MAKING CLOSURE CAPS
Edward M. Enkur, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application March 15, 1933, Serial No. 660,927
Renewed October 27, 1936
19 Claims. (Cl. 113—121)



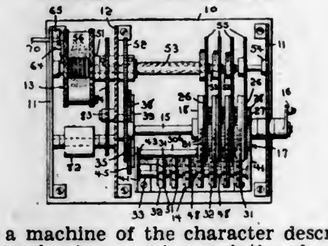
1. The method of making a lug type closure cap from a blank having a top and a substantially cylindrical skirt terminating in a free edge, which comprises turning the free edge of the skirt inwardly around the entire perimeter of the skirt, bending circumferentially spaced portions of the inwardly turned edge into predetermined shape, further inwardly turning the edge of the skirt entirely around the perimeter thereof except at said circumferentially spaced portions, and turning said circumferentially spaced, bent and shaped edge portions bodily inwardly to form locking lugs.

2,081,805
DIRECTION SIGNAL
Nelse Eskilson and Oscar Brander, San Pedro, Calif.
Application March 26, 1936, Serial No. 71,028
3 Claims. (Cl. 116—54)



1. In a direction signal for automobiles, inner and outer horizontally alined casings mounted respectively on the inner and outer sides of a wall of an automobile, a signal arm pivotally mounted in the outer casing, a drum in each casing, a cable connection between the drums, manually operable means for the signal arm attached to the drum in the inner casing, a ratchet disk rotatable with the drum in the inner casing, and a pawl engaged with the ratchet disk and extending outwardly of the casing for manual release from the ratchet disk.

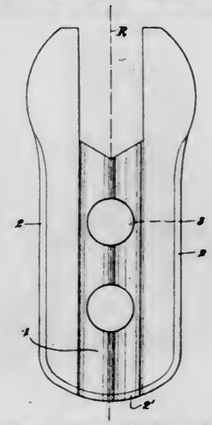
2,081,806
POSTAGE STAMPING MACHINE
Wilhelm Friedrichs, Berlin-Reinickendorf-Ost, Germany
Application November 4, 1932, Serial No. 641,282
In Germany October 3, 1927
9 Claims. (Cl. 101—91)



1. In a machine of the character described, a setting mechanism, a rotary printing drum having printing members therein coupled with and adjustable by said setting mechanism, means for imparting rotary printing movement to said drum, said setting mechanism moving with said moving means during the printing movement of the drum and remaining coupled with said printing members during the printing operation, and means operative upon initiation of the printing movement of the drum to lock the printing members in adjusted position.

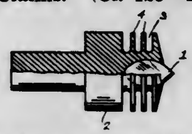
2,081,807
KNIFE-BLADE FOR MEAT CUTTERS OR THE LIKE
Fritz Gabriel, Vienna, Austria, assignor to Maschinenfabrik A. Weiss & Co., Vienna, Austria, a company of Austria
Application October 4, 1934, Serial No. 746,908
In Austria October 13, 1933
2 Claims. (Cl. 146—121)

1. In a meat cutter having a rotary shaft, a plurality of knife-blades mounted thereon, each knife-blade comprising two flat lateral cutting edges disposed symmetrically with respect to the longitudinal axis of the knife-blade and a cutting edge at its front extending between said two flat lateral cutting edges substantially in a radial



curve from the center of the knife-blade, said knife-blade being bent to provide a depression on one side and a bulge on the other, said bent portion extending longitudinally of the blade and having at least one aperture provided centrally thereof.

2,081,808
DIAMOND WHEEL DRESSER
Folliard F. Gilmore, Boston, Mass.
Application September 25, 1936, Serial No. 102,596
3 Claims. (Cl. 125—11)



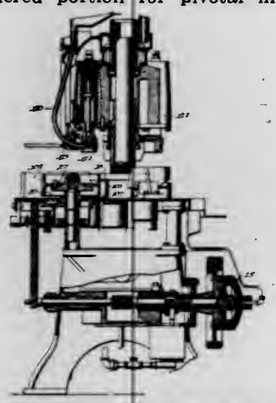
1. A wheel dresser composed of a steel rod and a diamond imbedded in the end of the steel rod, said rod having annular grooves concentric with and surrounding the diamond for applying a coolant close to the diamond.

2,081,809
BOTTLE CAPPING MACHINE
Wiltie I. Gladfelter, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Original application July 29, 1932, Serial No. 626,151. Divided and this application January 23, 1935, Serial No. 3,176
9 Claims. (Cl. 226—84)

3. A machine of the class described comprising a substantially horizontal platform, bottle conveying means disposed substantially in the plane of said platform, a plurality of bottle rests each mounted for revolution about a common axis and each having a substantially plane horizontal uninterrupted bottle supporting surface, and a guide member having its lower surface closely overlying said platform, said conveying means and said bottle rests, said member being positioned substantially to wipe each rest of trash or broken glass situated thereon and to transfer the same to said conveying means for removal thereby.

5. In a capping apparatus, the combination with a crown feeding chute and a plurality of

capping heads arranged to move past said chute and provided with crown receiving platforms, of a pivotally mounted wiper for wiping crowns into position in said platforms, said wiper comprising a shouldered portion adjacent the mouth of the chute and a rigid elongated arm associated with said shouldered portion for pivotal movement



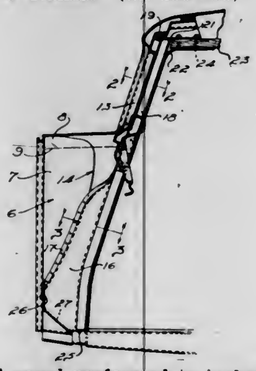
therewith, said arm extending a substantial distance along the path of travel of said capping heads, said shoulder being positioned to normally deliver crowns to said receiving platforms, said elongated arm serving to deliver to said receiving platforms by rolling and wiping action any abnormally positioned crowns not delivered thereinto by said shoulder.

2,081,810
VEHICLE BODY PILLAR

Otto F. Graebner, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware

Application July 22, 1932, Serial No. 624,032

6 Claims. (Cl. 296—28)



1. A cowl panel preformed to include the pillar finish elements at the windshield opening, said elements being extended laterally along with the cowl to form the door jambs, and pillar members nested in said finish elements at the window opening, and extended to engage the sides of said cowl to form a box section structure therewith.

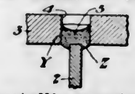
2,081,811
BEARING CAP

Gerald G. Greulich, Mount Lebanon, Pa.

Application September 27, 1934, Serial No. 745,796

1 Claim. (Cl. 189—42)

A metallic building member for use in the transmittal of compressive stresses comprising, in combination, a metallic structural shape of a length materially greater than any other dimension thereof, said metallic structural shape having a flat end, a one-piece metallic bearing cap having a series of apertures which refine the cross-section of the flat end of said metallic structural shape, said apertures being arranged to open on the flat end of said metallic structural shape, the width of each aperture being greater than the width of that portion of the



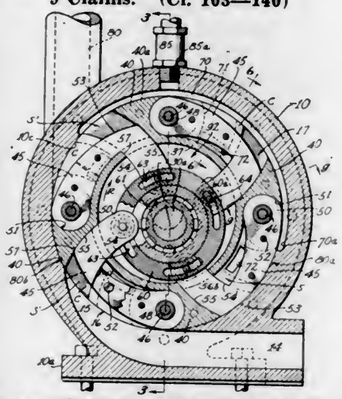
flat end of said metallic structural shape on which it opens, and a metallic plug secured in and extended from each of said apertures, the extended end of each of said metallic plugs being secured to the adjacent portion of the flat end of said metallic structural shape, the width of each of said metallic plugs being greater than the width of those portions of the flat end of said metallic structural shape to which they are secured.

2,081,812
PUMP

Dimitri N. Hapkins, Los Angeles, Calif., assignor of fifteen per cent to Clarence L. Kincaid, Los Angeles County, Calif.

Refiled for abandoned application Serial No. 404,937, November 5, 1929. This application July 10, 1936, Serial No. 89,891

9 Claims. (Cl. 103—140)



1. In a mechanism of the character described, a cylindrical casing having inlet and discharge openings; a cylindrically shaped rotor within the casing, said rotor embodying a pair of spaced tapered end plates, a pair of circularly spaced abutments forming a chamber therebetween, and a rocking compression member in said chamber, means for rocking said member inward and outward upon rotation of the rotor, and a passage in said casing for transferring fluid in said chamber from one side to the other of said rocking member.

2,081,813
ELECTRIC CUT-OUT

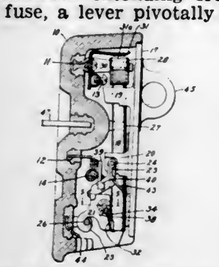
Benjamin R. Hermann, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application June 7, 1934, Serial No. 729,427

7 Claims. (Cl. 200—114)

4. An electric cut-out comprising a casing of insulating material, stationary contacts secured

to said casing, a cover, a fuse carried by said cover, a contact cap connected to one end of said fuse and adapted to engage spring contact fingers extending from one of said stationary contacts, a fuse link located in said fuse and having a conductor extending from the lower end of said fuse, a lever pivotally connected to



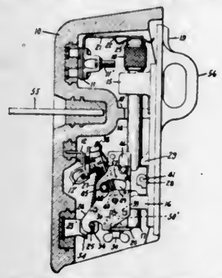
said cover and said casing, means to connect said conductor to said lever to rigidly secure it to said cover, a spring contact finger engaging the other of said stationary contacts and pivotally connected to said lever, means to cause said cover to open upon operation of said fuse, and means to limit the opening movement of said cover.

2,081,814
FUSE CUT-OUT

Benjamin R. Hermann, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application February 27, 1936, Serial No. 65,994

9 Claims. (Cl. 200—114)



1. In an electric cutout, the combination of spaced upper and lower contacts, a fuse, a lever hingedly mounted at one end and connected for supporting the fuse, means for holding the lever in a substantially upright position and in rigid relation to the fuse, said holding means being releasable by operation of the fuse, means for connecting the fuse between the contacts and including a latch for preventing swinging of the upper end of the fuse out of engagement with the upper contact, means operative upon release of said holding means for actuating the lever outwardly to move the lower end of the fuse outwardly, and means carried by the lever for restraining the lower end of the fuse to move in a substantially arcuate path about the upper end of the fuse and for preventing movement of the fuse to disengage said upper end thereof from the upper contact.

2,081,815
DOOR ARRANGEMENT FOR VEHICLES

Albert Hulley, New York, N. Y.

Application February 10, 1937, Serial No. 125,106

14 Claims. (Cl. 296—101)

1. In a vehicle, a body having a filling opening, a pair of hingedly mounted door members normally closing said opening, means connecting said doors so arranged as to effect opposed opening and closing movements in unison, and a



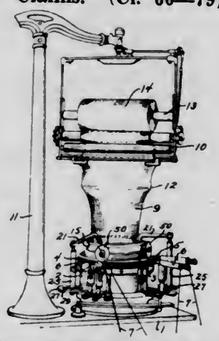
cushion element at the lower portion of the filling opening constituting a shock absorbing element for receptacles being emptied through the opening.

2,081,816
KNITTING MACHINE

Willis A. Ingalls, Syracuse, N. Y., assignor to Tompkins Bros. Co., Syracuse, N. Y., a corporation of New York

Application July 18, 1936, Serial No. 91,382

7 Claims. (Cl. 66—79)



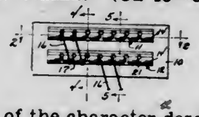
1. An attachment for circular knitting machines of the character described, comprising a ring member having a diameter less than the diameter of the cylinder of needles, said ring member having a circumferential slot therein, means mounted in said slot for supporting a cloth wheel or the like, and means for supporting said ring member coaxial with and axially spaced from the cylinder of needles.

2,081,817
FISHHOOK HOLDER

Andrew Johnson, Butte, Mont.

Application October 5, 1936, Serial No. 104,135

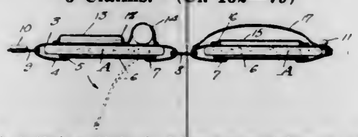
2 Claims. (Cl. 43—32)



2. A device of the character described comprising a flat support, a barrel suspended by said sup-

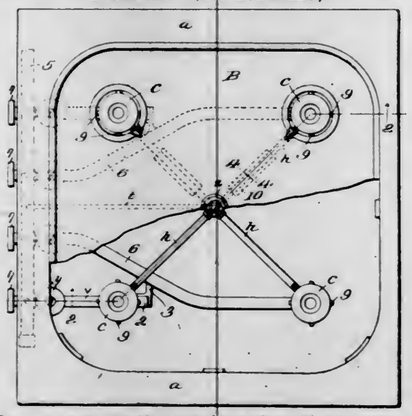
port and having spaced transverse openings, latching means held within the barrel, means urging said means in contact with each other at the openings in said barrel, and fastening means carried by said support, the said latching means including a plurality of separable members for contact with each other.

2,081,818
HOLDER FOR TOILET ARTICLES
Jean H. Johnson, Hobart, Ind.
Application October 23, 1935, Serial No. 46,417
3 Claims. (Cl. 132—79)



1. A toilet article holder comprising a pair of disk shaped sections formed from fabric and including an outer wall and an inner wall, the latter having an opening therein, said sections providing pockets for powder puffs, a closure for each opening and normally disposed within the pocket to be held in closed position by the puff, means for connecting the sections together, and means for holding the sections secured in overlapped association with the openings disposed in face to face relation.

2,081,819
AUTOMATIC LIGHTER CONSTRUCTION FOR GAS RANGES
Lester S. Kauffman, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application April 20, 1934, Serial No. 721,600
1 Claim. (Cl. 158—115)

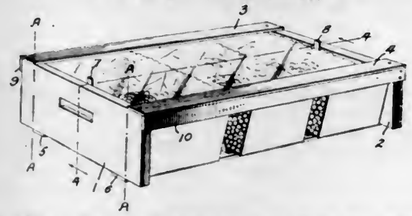


In a gas stove the combination of an open top portion, a burner housing surrounded by said top portion, said burner housing located in a horizontal plane below the said top portion, the upper portion of the burner housing provided with main gas passages, a flash light tube having both ends open, one open end of said tube located adjacent said burner housing in a horizontal plane below said main gas passages, said burner housing provided with a gas passage opposite said adjacent open end of said tube, a pilot light housing comprising co-operating upper and lower parts communicating with the other open end of said tube, a tray portion depressed below the first said gas passages but above said second mentioned gas passage, said depressed portion provided with an opening through which said burner housing projects, said tray portion supported independently of and removable independently of the lower part of the pilot light housing and said flash light tubes, said tray portion carrying the upper part of the pilot housing, whereby the parts operate as described.

2,081,820
PIVOT FOR INDICATING INSTRUMENTS
Floyd C. Kelley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application September 30, 1933, Serial No. 691,737
6 Claims. (Cl. 308—242)

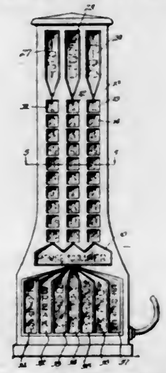
1. A pivot for indicating devices consisting mainly of tantalum and having a nitrided surface thereon.

2,081,821
CRATE OR LUG
Arthur L. Kiff, Hammondsport, N. Y.
Application September 24, 1936, Serial No. 102,410
5 Claims. (Cl. 217—40)



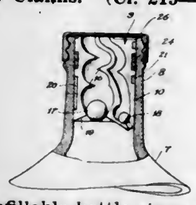
1. Crate for fruit baskets comprising end pieces of uniform width, with top and bottom the latter each consisting of a pair of slats the bottom pair being secured to the bottom faces of said end pieces inwardly of the corners thereof, and the top pair being secured to the top faces of said end pieces, at a distance apart slightly greater than the distance between the outer edges of the bottom slats, whereby the bottom slats of a superposed crate will fit between the top slats of an underlying crate, with nothing intermediate said slats.

2,081,822
ANNUNCIATOR FOR HORSE RACES
Fordyce Kimbell, Miami, Fla.
Application June 11, 1936, Serial No. 84,748
7 Claims. (Cl. 177—384)



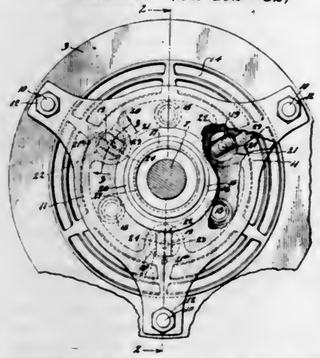
1. An annunciator for horse races comprising means for indicating the numbers of the three leading horses in a race and their respective running positions, means for changing the numbers and positions indicated by said means to correspond to changes in the numbers and positions of the leading horses during the progress of the race, and additional means for indicating, from time to time, the portion of the race completed during the progress of the race.

2,081,823
NONREFILLABLE BOTTLE STOPPER
Ludwig Kunz, New York, N. Y.
Application November 6, 1935, Serial No. 48,561
3 Claims. (Cl. 215—25)



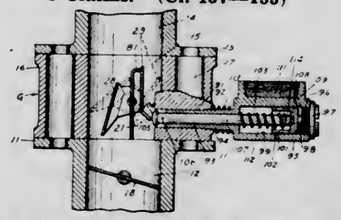
1. A non-refillable bottle stopper comprising a pair of sections having flat confronting faces, means for securing the sections together to provide a body for frictionally fitting within the neck of a bottle, spaced sinuous channels having substantially S-shaped upper end portions and arranged in the confronting faces for cooperation to provide a relatively large outlet passage and a small air inlet passage, each passage extending through the ends of the body and provided with chambers at the lower ends thereof having restricted upper and lower ends providing valve seats, the upper seat of the chamber of the outlet passage disposed substantially centrally of the body and the lower seat eccentrically thereof, to provide a lateral pocket, ball valves movable in the chambers and received by the seats for closing the passages, the outlet passage having an outwardly flared lower end for directing liquid thereto and the upper end thereof being directed laterally to extend adjacent to one edge of the upper end of the body, and the inlet passage extending below the outlet passage and having a restricted lower end directed at a downward lateral inclination with an edge thereof contacting the neck of the bottle.

2,081,824
CLUTCH MECHANISM
Homer T. Lambert, St. Joseph, Mich.
Application March 25, 1936, Serial No. 70,843
8 Claims. (Cl. 192—32)



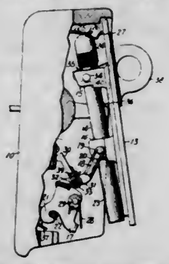
1. In clutch mechanism of the class described, the combination, with a driving member and a driven member, of a clutch element operatively connected to one of said members, an energizer element connected to the other of said members, a pressure plate mounted at one side of the clutch element, yieldable means intermediate the energizer element and the pressure plate for shifting the latter into contacting relation to the clutch element to effect relative angular displacement of the pressure plate, and separate camming means automatically rendered operative by said angular displacement of the pressure plate to force the latter into clutching engagement with the clutch element to couple the driving and driven members together, said yieldable means upon declutching reversing the angular displacement of the pressure plate and normalizing the camming means.

2,081,825
GOVERNOR
William E. Leibing, Sausalito, and Robley D. Fageol, Oakland, Calif., assignors to Leibing Automotive Devices, Incorporated, San Francisco, Calif., a corporation of Nevada
Application August 2, 1934, Serial No. 738,114
8 Claims. (Cl. 137—153)



1. In a throttling device for controlling fluid flow through a conduit, pivoted valve means within said conduit directly responsive to and arranged to be actuated toward closed position by the velocity of fluid flow through said conduit, means to urge said valve means toward closed position at a predetermined degree of vacuum in said conduit, and means for maintaining said urging means inoperative with respect to said valve means at all pressures above said predetermined vacuum.

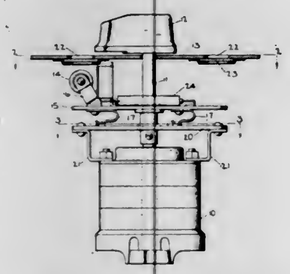
2,081,826
FUSE CUT-OUT
George F. Lincks, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 15, 1935, Serial No. 21,518
13 Claims. (Cl. 200—116)



8. An electric cutout comprising spaced contacts, a fuse adapted to be connected between said contacts and including a contact cap at one end engaging one of said contacts, a hinge lever at the other end of said fuse having a lost mo-

tion connection with said fuse, means for holding said lever in fixed relation to the fuse, said holding means being released by operation of the fuse, means effective upon releasing of said holding means for pivoting said fuse about said contact while maintaining contact between the contact cap and the co-operating contact and for subsequently permitting said fuse to be moved from between said contacts.

2,081,827
SWITCH
Arthur Lohe, Annaberg i/Erzgeb, Germany, assignor to General Electric Company, a corporation of New York
Application May 28, 1934, Serial No. 728,019
In Germany June 15, 1933
1 Claim. (Cl. 200—167)

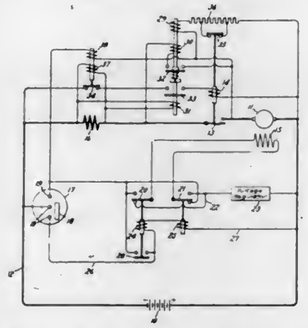


Switching means for electric ranges and the like comprising a control shaft movable to a plurality of controlling positions, a knob for operating said shaft, a fixed support, a switching mechanism on said support connected to said shaft to be operated thereby, an insulating support adjacent said fixed support mounted on said shaft so as to move with it as the position of said shaft is changed to move to a new controlling position, an incandescent lamp on said insulating support movable with it to indicating positions corresponding to the controlling positions of said shaft, a cover for said switch provided with windows opposite the indicating positions of said lamp, contacts for said lamp secured to said movable support, contacts of arc shape on said fixed support engaging said contacts on said movable support and arranged so that said last-named contacts engage them continuously to continuously energize said lamp when said control member is removed from its off position.

2,081,828
IMPREGNATING WOOD
Frank H. Lyons, Memphis, Tenn., assignor to E. L. Bruce Co., Memphis, Tenn., a corporation of Delaware
No Drawing. Application January 20, 1930, Serial No. 422,223. Renewed October 2, 1936
5 Claims. (Cl. 21—52)

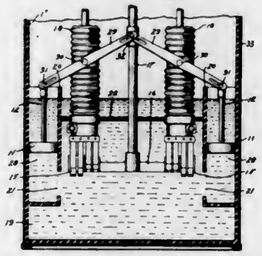
1. The method of impregnating wood and the like to resist insect and fungi attack, with a solution containing as a toxicant, beta naphthol or the like in petroleum oil solvents, about 5% of the toxicant being soluble at about 140° F. and 50% crystallizing out at about 70° F., comprising treating the wood with the hot solution to cause substantial impregnation of the wood therewith and lowering the temperature to cause crystallization of the toxicant onto the fibers of the wood.

2,081,829
SYSTEM OF DISTRIBUTION
Jacob W. McNairy, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application April 29, 1936, Serial No. 76,927
7 Claims. (Cl. 171—313)



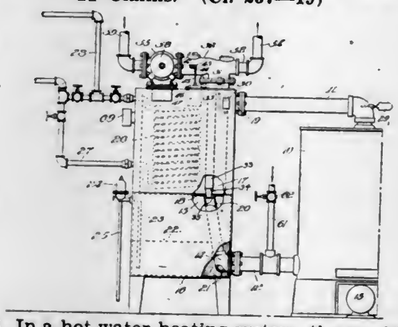
1. In combination with a generator of a load switch for connecting said generator in a load circuit, an operating coil for said load switch, a relay switch in circuit with said coil, and a pair of coils individually energized to open said relay switch, one of said coils being responsive to the voltage across said load switch when said load switch is open and the other of said coils being responsive to the current in said circuit when said load switch is closed to open said relay switch and thereby open said load switch upon the occurrence of an excessive current.

2,081,830
ELECTRIC CIRCUIT INTERRUPTER
Ezra B. Merriam, Swarthmore, Pa., assignor to General Electric Company, a corporation of New York
Application January 23, 1936, Serial No. 60,458
3 Claims. (Cl. 200—150)



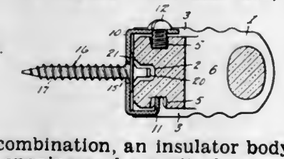
1. An electric circuit interrupter of the liquid blast type comprising a casing forming a pressure confining chamber, relatively movable contacts operable within said chamber, said chamber containing an arc extinguishing liquid and provided with a pressure relief port, said contacts arranged to draw an arc within said chamber opposite and substantially transversely of said port so that arc pressure in said chamber tends to extinguish the arc by liquid blast through said port, and a piston disposed exteriorly of said chamber operatively connected with respect to the movable contact for reducing by suction the back pressure to said liquid blast at the exhaust side of said port in accordance with the circuit opening operation.

2,081,831
HOT WATER HEATING SYSTEM
Robert E. Moore, Evanston, Ill.
Application November 11, 1935, Serial No. 49,216
11 Claims. (Cl. 237—19)



6. In a hot water heating system, the combination of a boiler, a radiator, supply and return lines connecting the boiler and radiator, a by-pass line bridged between the radiator supply and return lines, valve means located to control the flow of water through the return and by-pass lines and shiftable between limiting positions closing and opening the return and by-pass lines, respectively, and opening and closing the return and by-pass lines, respectively, and including positions permitting simultaneous flow through said last named lines, an intermittently operated pump for forcibly circulating water through the system located in the return line on the inlet side of the valve means, and a valve for normally closing the supply line from the boiler and adapted to be opened by pressure established by the pump, said valve being located in the supply line between the boiler and the junction of the supply and by-pass lines.

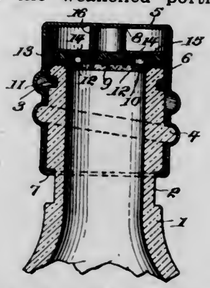
2,081,832
INSULATOR
Joseph Morgenstern, Shaker Heights, and Joseph Brasty, Maple Heights, Ohio
Application November 21, 1935, Serial No. 50,902
11 Claims. (Cl. 173—321)



1. In combination, an insulator body having a through opening and a cavity in one of its ends and outwardly facing recesses on its opposite sides adjacent said end but in spaced relation thereto, said recesses having a common axis parallel to that of the through opening, attaching means having a head disposed within said cavity and a shank projecting therefrom, and a clamp having an opening engaged over said shank and having parts that approach each other and interlock within said recesses.

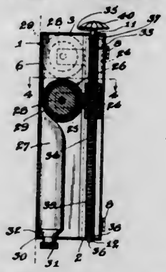
2,081,833
CLOSURE FOR BOTTLES
George A. Nuss, Cincinnati, Ohio
Application July 7, 1936, Serial No. 89,382
5 Claims. (Cl. 215—73)

1. A non-refillable closure device for a bottle, comprising a cap secured to and mounted for movement on the neck of the bottle and having a weakened portion in the top thereof, fixed perforated means covering the mouth of the neck, valve means normally closing the perforations, means included in the valve means and initially engaged with the weakened portion to break



through the top when the cap is moved downwardly, said valve means being movable by gravity to control the perforations when the top is broken through, and said cap being engageable with the valve means to hold the latter in closed position.

2,081,834
DISPENSING DEVICE
Robert S. Parks, Kokomo, Ind.
Application May 25, 1936, Serial No. 81,733
4 Claims. (Cl. 221—60)



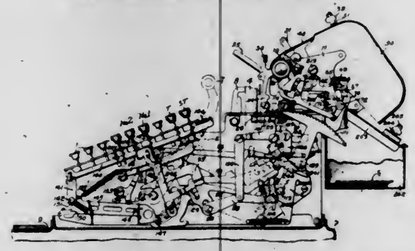
1. A dispensing device including a closed, upstanding cabinet adapted to support a collapsible tube lengthwise thereof and with the discharge end of the tube extended through the bottom thereof, a vertically movable carriage within the cabinet including a horizontally disposed yoke and a shaft journaled in the arms of the yoke, rotatable means engaging in and extending through the closed end of the yoke for vertically moving the carriage within the cabinet, said means being journaled in the top and bottom of the cabinet, spaced parallel upstanding guides within and anchored to opposed walls of the cabinet, a rotatable collapsing element carried by said shaft and positioned within the yoke for engaging with the tube to collapse the latter in a flat manner on the downward movement of the carriage, and discs mounted on the shaft and travelling in said guides.

2,081,835
BLANC FIXÉ AND METHOD OF MAKING SAME
James B. Pierce, Jr., Charleston, W. Va., assignor to Barium Reduction Corporation, Charleston, W. Va., a corporation of Delaware
No Drawing. Application May 5, 1932. Serial No. 609,551
7 Claims. (Cl. 134—58)

1. The method of making precipitated barium sulphate, which comprises reacting upon barium

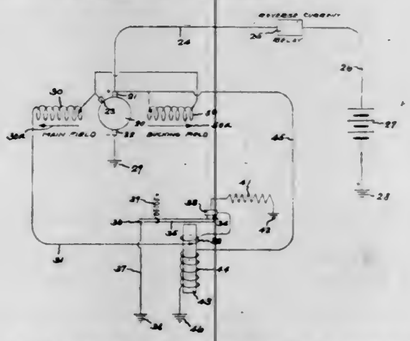
sulphide liquor with sufficient sulphuric acid to effect the substantially complete precipitation of the barium as barium sulphate, such precipitation being accomplished in the presence in the reaction mix of a small amount, not less than 1% of the BaS content of such liquor, of an amphoteric colloidal dispersing agent of animal origin and then, without subjecting the same to a preliminary filtering operation, evaporating the liquid from the resultant slurry.

2,081,836
CALCULATING MACHINE
Ernest Racz, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application October 6, 1932, Serial No. 636,465
Renewed November 6, 1936
63 Claims. (Cl. 101—93)



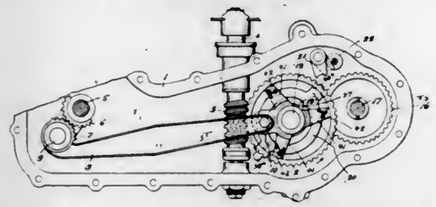
1. In a machine of the class described, a printing mechanism, a platen, means cooperating with said platen to form a holding means for holding work sheets in printing position relative to said printing mechanism, said holding means being movable from closed to open throat position and vice versa, a second work sheet holding means independent of said platen for receiving and holding said work sheets, said independent work sheet holding means being movable from closed to open throat position and vice versa, and means operable to simultaneously move both of said holding means to open throat position.

2,081,837
GENERATOR REGULATOR
William J. Rady, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 12, 1934, Serial No. 734,715
9 Claims. (Cl. 171—223)



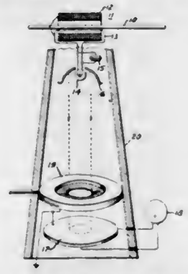
1. In a system of regulation for a generator having a pair of main brushes, a third brush and a main field winding in circuit with the third brush, the combination of a resistance in circuit with the main field winding, a vibratory regulator traversed by the current in said field winding which intermittently cuts in and out the resistance in the third brush field circuit and a generator field winding connected between the third brush and nearest main brush of the generator bucking said main field winding.

2,081,838
CLUTCH AND CONTROL MECHANISM THEREFOR
John W. Racklyeft, Cleveland, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 18, 1935, Serial No. 7,123
6 Claims. (Cl. 192—48)



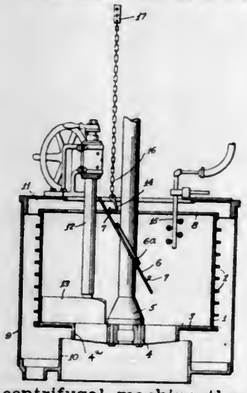
1. In a clutch mechanism, in combination, a driving member, a driven member, a clutch between said members, releasable incident to an overriding movement of the driven member relatively to the driving member in the direction of movement of the latter, the clutch comprising a spring, and the driving member including an auxiliary clutch surface, and an override preventing means for the driven member rotatable therewith and shiftable relatively thereto comprising a plate having a plurality of arms provided with interlocking means for engaging the auxiliary clutch surface of the driving member upon relative higher movement of the driven member in the direction of movement of the driving member.

2,081,839
HIGH-VOLTAGE CURRENT-RESPONSIVE APPARATUS
William K. Rankin, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application November 13, 1935, Serial No. 49,505
5 Claims. (Cl. 171—95)



2. Apparatus for producing a low voltage direct current in response to the flow of alternating current in a high-voltage conductor comprising, a current transformer having a core, a secondary winding, and a primary winding, the latter comprising the aforesaid high-voltage conductor, an electrical connection between the three named elements of said transformer, radiant energy producing means connected to be energized from the secondary of said transformer so as to produce radiant energy in response to the flow of alternating current in said high-voltage conductor, and a low-voltage circuit including a device which is exposed and is responsive to radiant energy produced by said means to cause a flow of direct current in said circuit when radiant energy is produced by said means, the low-voltage circuit and the elements which are exposed to the high potential of said conductor being spaced apart a sufficient distance to adequately insulate the low-voltage circuit with respect to such high potential.

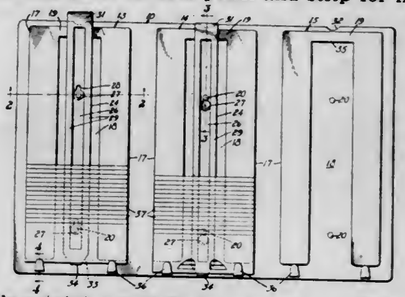
2,081,840
CENTRIFUGAL APPARATUS
Eugene Roberts, Hastings, N. Y., assignor to The Western States Machine Company, New York, N. Y., a corporation of Utah
Application June 23, 1934, Serial No. 732,116
2 Claims. (Cl. 210—70)



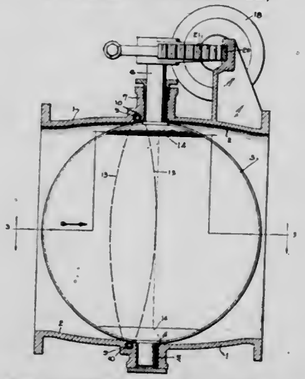
1. In a centrifugal machine the combination with a revoluble suspension shaft, of a centrifugal basket having a bottom comprising a central supporting hub for attachment to the supporting and driving shaft, radial arms, and a circumferential flange connecting the outer edge of said arms and forming an open spider for the discharge of material, a flat bottom ring surrounding said spider and connecting it with the peripheral wall of the basket, a substantially flat bottom closing valve normally covering the spider and provided near its periphery with a suspending loop, and suspension means located near to and in front of the shaft at approximately the level of the top of the basket, said suspension means being supported by upwardly extending divergent suspension chains whereby the valve is permitted to hang in an oblique position at an acute angle to the axis of the shaft.

2,081,841
VISIBLE CARD FILE
Frank E. Shailor, Detroit, Mich., assignor to Remington Rand Inc., Buffalo, N. Y.
Application March 9, 1932, Serial No. 597,818
16 Claims. (Cl. 129—16)

5. A holder for index cards comprising a supporting panel, a card-retaining strip, cooperating parts on said panel and strip detachably connecting said strip to said panel at opposite ends with the major longitudinal portion of said strip in surface engagement with said panel, and cooperating parts on said panel and strip for normally retaining said first-mentioned cooperating parts in engaged relation.

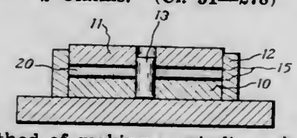


2,081,842
PIVOT VALVE AND SEALING MEANS
Robert E. Brunswick Sharp, Philadelphia, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware
Application December 29, 1933, Serial No. 704,458
7 Claims. (Cl. 251—11)



1. A valve mechanism comprising, in combination, a casing, a movable valve element therein, fluid pressure controlled expansible means for sealing said casing and movable valve element, and means mechanically actuated by movement of said valve for generating the sealing pressure for said sealing means.

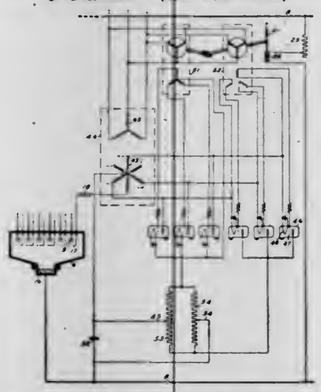
2,081,843
GRINDING WHEEL AND METHOD OF MAKING THE SAME
Duane E. Webster, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 14, 1935, Serial No. 54,427
2 Claims. (Cl. 51—278)



1. Method of making a grinding wheel which comprises placing in a mold a quantity of abrasive grains and a plastic organic bond, placing against the bottom plate and top plate of the mold a sheet of soft compressible substance, plac-

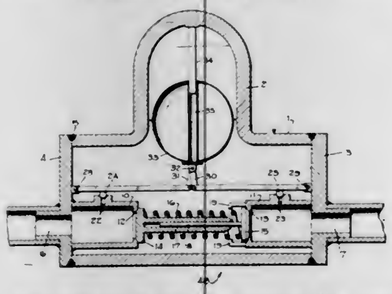
ing the mold in a press, pressing and indurating, whereby there is formed a wheel in which abrasive grains project outwardly from the body thereof on the side faces of the wheel.

2,081,844
ELECTRIC VALVE CONTROL SYSTEM
Harold Winograd, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 15, 1934, Serial No. 744,126
9 Claims. (Cl. 175—363)



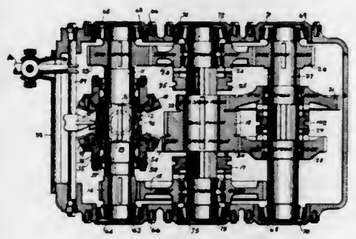
8. In an electric translating system, an electric valve having an anode with an associated control electrode and a cathode, a circuit for energizing said control electrode and including a transformer secondary winding, a voltage divider connected with said cathode, a second voltage divider connected in parallel with the first said voltage divider and having a tap connected with said winding, a pair of auxiliary electric valves connecting said voltage dividers with said winding and each having a control electrode, control electrode circuits for said auxiliary valves, and means for simultaneously varying the adjustment of the last said control electrode circuits to vary the potential of the said tap of the second said voltage divider.

2,081,845
REVERSIBLE REFRIGERANT EXPANSION MEANS
Joseph R. Zwickl, Philadelphia, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware
Application July 3, 1934, Serial No. 733,584
14 Claims. (Cl. 62—127)



1. Refrigerant expansion means for complementary heat exchange elements through which refrigerant successively flows in one direction or the other whereby in one direction of flow one of said elements functions as a condenser and the other element as an evaporator, and vice versa for opposite direction of flow, comprising, in combination, means forming inlet and outlet passages, a plurality of orifices for expanding refrigerant in either direction of flow through said passages, a plurality of check valve controlled passages one of which is for bypassing refrigerant around one of said orifices and the other of which bypasses refrigerant around the other orifice depending upon the direction of fluid flow, and means whereby liquid refrigerant is bypassed through one of said check valve passages and then expanded through the orifice associated with the other bypass.

2,081,846
LOCOMOTIVE GEAR TRANSMISSION
Herbert C. Behrens, Woodlyn, Pa.
Application November 14, 1934, Serial No. 753,015
8 Claims. (Cl. 74—327)



1. A change speed gear transmission comprising, in combination, a gear case, a longitudinal driving shaft having a bevel pinion, a transverse shaft having idly journalled thereon a pair of opposed bevel gears constantly meshing with said pinion, a clutch for alternatively connecting said bevel gears to its shaft, a transverse shaft having a bull pinion, a gear secured to said bevel gear shaft, a gear idly journalled on said bull pinion shaft and meshing with said latter gear, a clutch operable in either direction of rotation for connecting said bull pinion shaft to said gear which is idly journalled thereon, and a power take-off shaft having a bull gear meshing with said bull pinion.

2,081,847
PROCESS OF PREPARING CELLULOSIC SPINNING SOLUTIONS AND SOFT-LUSTER PRODUCTS THEREOF
Thomas H. Byron and Rudolph S. Bley, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 13, 1934, Serial No. 739,636
14 Claims. (Cl. 106—40)

6. A spinning solution for the manufacture of soft-luster products comprising a cellulosic solution selected from the group consisting of viscose and cuprammonium cellulose together with a sufficient amount of wax selected from the group consisting of chlorinated vegetable waxes, brominated vegetable waxes, chlorinated animal waxes, brominated animal waxes, chlorinated paraffins and brominated paraffins to diminish the luster of the products spun from said solution.

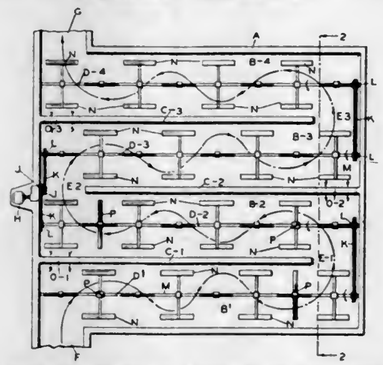
2,081,848
PROCESS OF PREPARING CELLULOSIC SPINNING SOLUTIONS AND SOFT-LUSTER PRODUCTS THEREOF
Thomas H. Byron and Rudolph S. Bley, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Original application August 13, 1934, Serial No. 739,636. Divided and this application February 5, 1935, Serial No. 5,148
11 Claims. (Cl. 106—40)

1. A spinning solution for the manufacture of soft-luster products comprising a cellulosic solution selected from the group consisting of viscose and cuprammonium cellulose together with a sufficient amount of a compound selected from the group consisting of chlorinated and brominated essential oils to diminish the luster of the products spun from said solution.

2,081,849
PROCESS OF PREPARING CELLULOSIC SPINNING SOLUTIONS AND SOFT-LUSTER PRODUCTS THEREOF
Thomas H. Byron and Rudolph S. Bley, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Original application August 13, 1934, Serial No. 739,636. Divided and this application February 5, 1935, Serial No. 5,149
9 Claims. (Cl. 106—40)

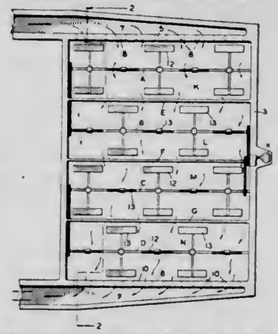
1. A spinning solution for the manufacture of soft-luster products comprising a cellulosic solution selected from the group consisting of viscose and cuprammonium cellulose together with a sufficient amount of a compound selected from the group consisting of chlorinated and brominated rosins to diminish the luster of the products spun from said solution.

2,081,850
FLOCCULATION
George M. Darby and Elliott J. Roberts, Westport, Conn., and William C. Weber, Larchmont, N. Y., assignors to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application June 17, 1935, Serial No. 27,014
13 Claims. (Cl. 210—16)



6. An apparatus for flocculation comprising a rectangular basin for holding liquid while undergoing flocculation, a feed therefor at one end and a discharge at the opposite end, a rotatable horizontally and longitudinally extending shaft, paddles deriving support from said shaft rendered operable by turning the shaft at a rate enough to gently agitate the fluid undergoing flocculation in a manner conducive to floc coagmentation and at a rate adequate to maintain the solid matter therein in suspension but insufficient to interfere with floc formation, motivating mechanism for turning said shaft, and baffles constituting partial partitions extending transversely between the longitudinally extending walls of the basin dividing the basin into a series of communicating compartments that define a meandering horizontal flow path through the basin; said rotatable shaft being operatively disposed so that the paddles function in a plurality of said compartments.

2,081,851
FLOCCULATION
George M. Darby and Elliott J. Roberts, Westport, Conn., and William C. Weber, Larchmont, N. Y., assignors to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application June 17, 1935, Serial No. 27,015
13 Claims. (Cl. 210—16)

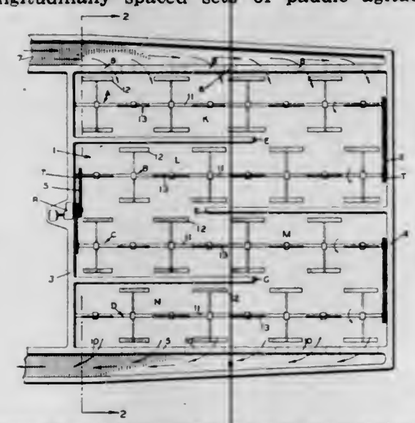


5. In a flocculating apparatus a tank or basin having an influent section located at one end portion thereof and an effluent section leading from the opposite end portion thereof and through which tank the liquid undergoing flocculation has a relatively longitudinal flow past and below baffles that extend transversely the full width of the tank, that extend downwardly within the tank only part way thereof, that divide the tank into a horizontally and longitudinally arranged series of transversely extending sub-compartments which are in serial communication with one another; agitating means located within the sub-compartments and provided by horizontally and transversely extending rotating shafts carrying relatively horizontally extending paddles, which shafts are submerged in the liquid undergoing flocculation; and means for rotating said shafts.

2,081,852
FLOCCULATION
George M. Darby and Elliott J. Roberts, Westport, Conn., and William C. Weber, Larchmont, N. Y., assignors to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application June 17, 1935, Serial No. 27,016
6 Claims. (Cl. 210—16)

5. An apparatus for flocculating liquids comprising a flocculation tank having an influent feed leading to one end thereof and an effluent discharge leading from the other end thereof; transversely and vertically extending partial partitions each of which extends only part way across the tank interior whereby each partition is of the

round the end flow type for providing a meandering horizontal flow path in a general longitudinal direction for the liquid passing from the influent end of the tank to the effluent end thereof, motivating mechanism, and transversely extending longitudinally spaced sets of paddle agitators



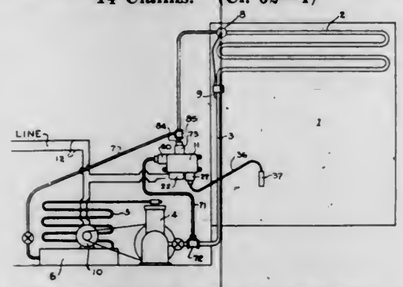
driven from said motivating mechanism and operable within the successive compartments as defined in part by said partitions, which said sets of paddle agitators are operatively connected and actuated for causing countercurrent flow movements in the liquid passing through the communicating spaces at the ends of the partitions.

2,081,853

APPARATUS AND METHOD FOR CONTROLLING REFRIGERATION

Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application June 28, 1933, Serial No. 677,972
14 Claims. (Cl. 62—4)



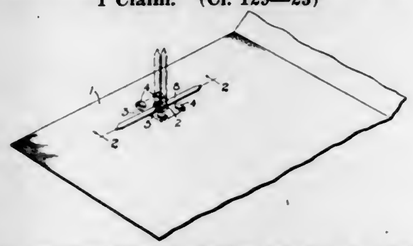
1. The method of assuring defrosting of a cyclically operating refrigerating system which comprises starting each cycle of operation of the system upon the occurrence of a predetermined high air temperature in the space to be refrigerated provided the temperature of the refrigerant medium has prior to the occurrence of the high air temperature reached a sufficiently high temperature to defrost the system, withholding starting of the system at the predetermined high air temperature when the high air temperature occurs prior to the defrosting temperature of the refrigerant medium and until the refrigerant medium temperature has increased sufficiently to defrost the system, and stopping each cycle of operation solely upon the occurrence in the space to be refrigerated of a predetermined low air temperature.

2,081,854

FOLDER AND FASTENER

Herman U. Doebler, North Tonawanda, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.

Application May 31, 1935, Serial No. 24,181
1 Claim. (Cl. 129—25)



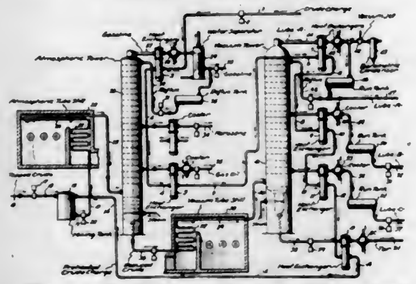
In combination, a folder having a portion formed with an aperture, a sheet metal plate on the outer face of said folder covering said aperture, securing tongues on the margin of said plate extending through said folder and securely mounting said plate on said folder, a strap section offset from the central portion of said plate projecting in said aperture, the marginal portions of said folder about said aperture being spaced from said strap section, and a prong member formed of a bendable sheet metal strip having an intermediate section engaged under said strap section, bend sections engaging said strap section at the side edges and also engaging portions of said plate adjacent said strap section, said strap section being offset from said plate only a sufficient amount to accommodate said prong member, the ends of said prong member normally extending laterally from said plate to receive papers for filing thereon, said intermediate and bend sections of said prong member lying in said aperture, and said strap with adjacent portions of said plate gripping said intermediate and bend sections for effectively retaining said prong member against dislodgment therefrom.

2,081,855

METHOD FOR INCREASING LUBRICATING OIL YIELDS

Fred G. Fellows, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

Application January 28, 1935, Serial No. 3,697
4 Claims. (Cl. 196—73)



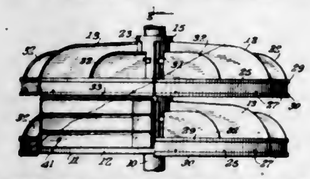
1. The method of increasing lubricating oil fraction yields from a crude hydrocarbon oil, including the steps of adding a topped crude containing a larger proportion of lubricating oil fractions than is contained in the crude oil to be distilled, to the crude oil to be distilled, in order to raise the equilibrium flash vaporization temperature of the lubricating distillate oils to be obtained, heating the mixture thus formed, to distillation temperature, fractionating the heated mixture in a fractionating zone, and withdrawing at least two lubricating oil stocks from the fractionating zone at different points therefrom, said stocks having had their equilibrium flash vaporization temperature raised by the addition of said topped crude.

2,081,856

ROTATABLE BIN

Paul H. Frick, Narberth, Pa., assignor to The Frick-Gallagher Mfg. Co., Wellston, Ohio, a corporation of Ohio

Application October 22, 1934, Serial No. 749,366
7 Claims. (Cl. 211—131)



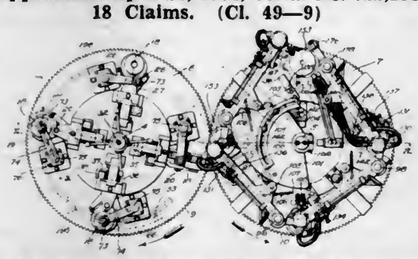
2. A rotatable bin comprising a bin section bottom adapted to rotate about a supporting post, a stamped strengthening rib formed in said section bottom adjacent but inward of the periphery thereof, a peripheral, integral flange on said section bottom extending in the opposite direction to said rib, a sleeve surrounding said post and to which the bottom is attached, divider positioning means secured to said sleeve, dividers secured to said sleeve and bottom, and a removable bottom supporting bin section front of less than 180 degrees in extent, secured adjacent each end to dividers which are secured to the sleeve, and said bin section front being also secured to the peripheral flange on the bottom.

2,081,857

METHOD OF AND APPARATUS FOR FORMING HOLLOW GLASS ARTICLES

George E. Howard, Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application April 24, 1934, Serial No. 722,134
18 Claims. (Cl. 49—9)



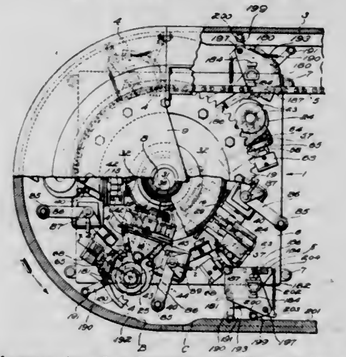
1. Apparatus for forming hollow glass articles, comprising laterally spaced rotary carriers, means for rotating said carriers in synchronism, a blank mold on one of said carriers, a blow mold on the other of said carriers, means for forming a charge of plastic glass supplied to said blank mold into a blank therein, transfer means carried by and rotating with the blow mold carrier for transferring a blank formed in said blank mold to said blow mold, means for causing said transfer means to engage and remove a blank from said blank mold, means for causing said transfer means to support a blank thus removed from said blank mold and to move it through a path out of registry and out of contact with either said blank mold or said blow mold for a period of time during which said carriers are rotated through at least a quarter of a revolution to permit the reheating of the blank while so supported and during which a glass article previously transferred to said blow mold remains therein, means for thereafter causing the transfer means to position the blank so that it may be enclosed by said blow mold, means to cause said blow mold to close about the blank as thus positioned, and means for blowing the blank to final form in said blow mold.

2,081,858

APPARATUS FOR FORMING HOLLOW GLASSWARE

George E. Howard, Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application September 22, 1934, Serial No. 745,020
13 Claims. (Cl. 49—9)



6. Apparatus for forming hollow glass articles, comprising blank and final blow mold carriages rotatable about laterally spaced vertical axes, means for rotating said carriages continuously, blank molds on said blank mold carriage, means for forming parisons in said blank molds, partible blow molds on said final blow mold carriage, an endless carrier encircling said carriages and arranged for continuous movement in synchronism therewith, tongs mounted on said endless carrier and constructed and arranged to transfer parisons from said blank molds to said final blow molds, means for closing and opening said tongs to grasp and release parisons in effecting the transfer, means for blowing parisons to final form in said final blow molds, means for opening said final blow molds to expose the finished articles, and means for causing said tongs to reengage the finished articles exposed by the final blow molds and to remove such articles from said final blow molds.

2,081,859

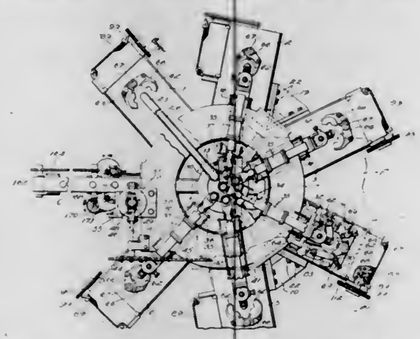
APPARATUS FOR FORMING GLASSWARE

Karl E. Peiler, West Hartford, and Algy J. Smith, Bloomfield, Conn., assignors to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application October 13, 1932, Serial No. 637,602
15 Claims. (Cl. 49—5)

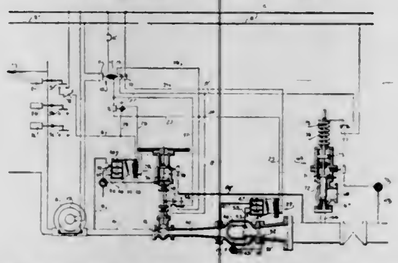
4. Apparatus for forming articles of glassware, comprising a plurality of similar glass forming units, each adapted as a whole to occupy a fixed predetermined position and all being grouped in a substantially radial arrangement about a

point in vertical alignment with which glass charges for distribution to all said units are separated from a source of molten glass, each unit including a blank mold, a final blow mold disposed laterally of said blank mold, means for forming parisons in said blank mold, means for blowing said parisons to final form in said blow mold, and means for transferring parisons formed in said blank mold to said blow mold; said unit being so positioned with respect to said point that a vertical plane including the axes of the blank and blow mold of each unit will pass substantially through said point and so that the



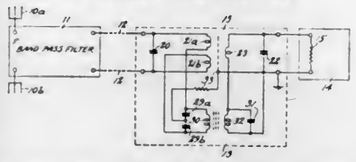
blank mold of each unit is positioned further from said point than its associated blow mold, and a chute system associated with each of said units for effecting distribution of charges of glass from said source to the blank mold of that unit, the horizontal component of the movement of charges through each chute system lying substantially in the plane including the axes of the blank and blow molds of the associated unit, whereby the completed articles may be removed from said blow molds by a substantially radial movement toward a region substantially central of said units.

2,081,860
PUMPING SYSTEM
Ray S. Quick, Burlingame, Calif., assignor to The Pelton Water Wheel Company, a corporation of California
Application November 15, 1933, Serial No. 698,078
13 Claims. (Cl. 137—78)



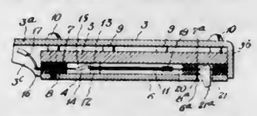
1. A pumping system comprising, in combination, a hydraulic pipe line having a hydraulic pump and a gate valve on the discharge side thereof, power operated means for moving said gate valve to its closed position during flow of fluid through the line, means for controlling the application of power to said power operated means to effect said closure, and means for stopping said pump automatically only after said gate valve is in its substantially closed position.

2,081,861
BAND-PASS FILTER
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application June 10, 1935, Serial No. 25,737
16 Claims. (Cl. 178—44)



1. A continuous-band filter comprising the combination of a plurality of constant-k derived band-pass filters of similar type and termination connected individually between common terminal circuits, the several filters being similarly connected to both terminal circuits, said band-pass filters being adapted individually to pass frequency bands spaced by intervening bands each having a width equal to a mean value of the widths of the adjacent pass bands, and said band-pass filters being relatively poled and proportioned to pass a resultant continuous band comprising said pass bands and intervening bands.

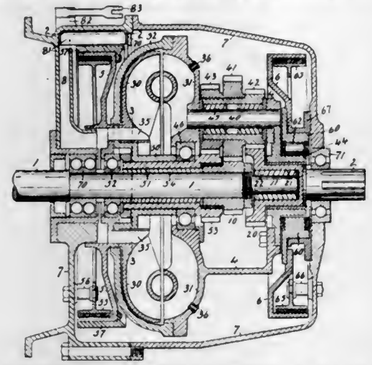
2,081,862
PIEZOELECTRIC MOTOR AND GENERATOR DEVICE
Alfred L. W. Williams, Cleveland, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application December 23, 1935, Serial No. 55,796
13 Claims. (Cl. 171—327)



13. In a piezo-electric apparatus, the combination of a piezo-electric unit of the multiple-plate flexing type; an operative support for the said unit; and a spindle operatively connected to the piezo-electric unit, said spindle being adapted to yield elastically in torsion to a substantial extent in transmitting motion to or from the said unit.

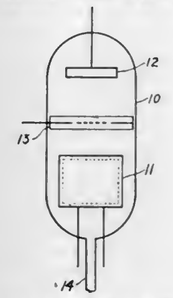
2,081,863
VARIABLE SPEED TRANSMISSION
William A. Duffield, Montreal, Quebec, Canada, assignor to Juno Corporation Limited, Montreal, Quebec, Canada, a corporation
Application June 8, 1936, Serial No. 84,023
6 Claims. (Cl. 74—293)

2. In a variable speed transmission, the combination of a casing, a drive shaft journalled in the casing, a tail shaft journalled in the casing and journalling the drive shaft, adjacent pinions on the drive and tail shafts, planetary reduction gears meshing with the pinions, a carrier with pins journalling the reduction gears, a one way clutch bearing on the carrier a third set of gears keyed to the reduction gears, a sleeve journalled on the drive shaft having a pinion meshing with the third set of gears, a Fottinger fluid coupling having driver and runner members the driver member secured to the sleeve, the runner member integral with the carrier and a brake drum secured to the sleeve, an outer rim to the brake drum, a scraper valve pivoted to the casing, bearing when open on the outer rim, a passage from the scraper valve to a series of apertures into the



driver member of the fluid coupling, and a manual controlled lever to the scraper valve.

2,081,864
EMISSIVE CATHODE
Donald V. Edwards, Montclair, and Earl K. Smith, East Orange, N. J., assignors to Electrons, Inc. of Delaware, a corporation of Delaware
Application November 24, 1934, Serial No. 754,590
20 Claims. (Cl. 250—27.5)

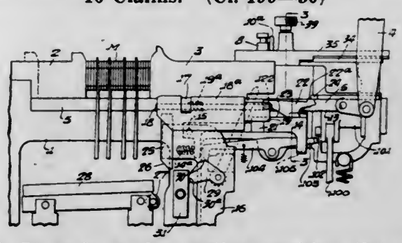


1. The method of preparing an electron emissive cathode which comprises coating a nickel core with a mixture comprising alkaline earth carbonate and an oxide of nickel, heating said coating under reduced pressure to at least 1150 degrees centigrade whereby it decomposes and forms a compound which is soluble in the core, and dissolving said compound in the core under said reduced pressure.

2,081,865
PROCESS FOR THE MANUFACTURE OF SULPHONATION PRODUCTS FROM HIGHER MOLECULAR ORGANIC COMPOUNDS
Eberhard Elbel, Dusseldorf, Germany, assignor to the firm Henkel & Cie. Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany
No Drawing. Application June 1, 1934, Serial No. 728,624. In Germany June 9, 1933
2 Claims. (Cl. 260—99.12)

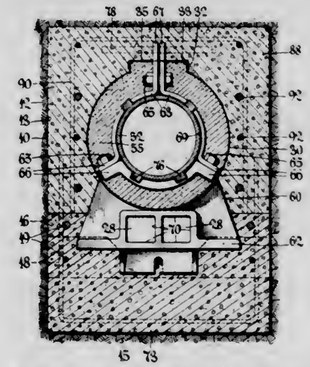
1. A process for the manufacture of highly concentrated sulphonation products from higher molecular organic compounds of the aliphatic or cycloaliphatic series with at least one primary alcohol residue and at least 8 carbon atoms, comprising sulphonating such substances with concentrated sulphuric acid in excess in the presence of a solvent which is indifferent towards sulphuric acid, forming by heating two layers the lower of which contains the remaining sulphuric acid and the upper of which consists of a solution of the sulphonation product in the solvent, separating the upper layer from the lower and removing the solvent from the sulphonation product.

2,081,866
QUADDING AND CENTERING DEVICE
Herman R. Freund, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application August 20, 1936, Serial No. 97,047
16 Claims. (Cl. 199—50)



1. In or for a slug casting machine, the combination with a pair of vise jaws and jaw closing mechanism connectable to at least one of the jaws for moving it from a normal open position toward the other jaw, of a jaw stop device, means for releasing said device to effect cooperation thereof with said jaw closing mechanism, and an adjustable stop control member for permitting such cooperation at the closed position within the range of movement of the movable jaw corresponding to the adjustment of said control member.

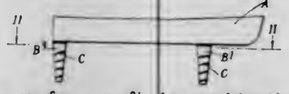
2,081,867
STEAM MAIN CONSTRUCTION
Manuel H. Gysling, North Tonawanda, N. Y., assignor to American District Steam Company, North Tonawanda, N. Y.
Application June 8, 1935, Serial No. 25,648
8 Claims. (Cl. 138—48)



1. A steam main construction comprising a steam conduit, a body of porous insulating material surrounding the conduit, a yieldable filler separating the material from the conduit, means for effecting relative movement between the insulating material and the steam conduit in response to expansion and contraction of the latter, a draining conduit disposed longitudinally adjacent the steam conduit, and a body of masonry heavier

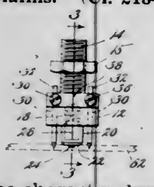
than the porous material and having the porous material, steam conduit and means embedded therein to form a self-contained and self-draining unit.

2,081,868
SURFACE HIGH SPEED CRAFT
Geoffrey Cromwell Edward Hampden, Ewelme, England, assignor to J. Samuel White & Company Limited, East Cowes, Isle of Wight, England, a British company
Application June 3, 1936, Serial No. 83,365
In Great Britain June 13, 1935
6 Claims. (Cl. 114—66.5)



1. In a surface craft, in combination, a hull, at least three struts projecting downwardly and directly from the hull, at least one of the struts having its leading edge curved in profile, with the convexity of the curve directed towards the forward end of the hull, and a set of hydrofoils on each strut, the hydrofoils on the said curved strut having their leading edges swept backwards, with the hydrofoils mounted in forward echelon on the strut so that the leading and trailing edges of any one hydrofoil lie respectively further forward than the leading and trailing edges of the next lower hydrofoil, the hydrofoils of each strut, upon which hydrofoils the hull is supported clear of the water when speed is attained, being supported from the hull solely by that strut.

2,081,869
SETTING AND WORK FEEDING TOOL FOR LACING HOOK MACHINES
Alfred Hub, Chippewa Falls, Wis., assignor to Judson L. Thomson Mfg. Co., Waltham, Mass., a corporation of Massachusetts
Application February 7, 1935, Serial No. 5,349
12 Claims. (Cl. 218—17)



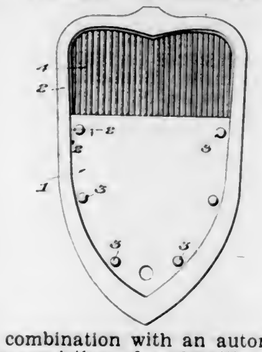
1. A tool of the character described having an annular setting shoulder and a pair of work engaging members arranged adjacent opposite sides of said shoulder, said members having each a sharpened point for entering the work when said shoulder is in engagement therewith.

2,081,870
RESILIENT FASTENING MEANS
Walter I. Jones, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application August 16, 1934, Serial No. 740,084
8 Claims. (Cl. 24—73)



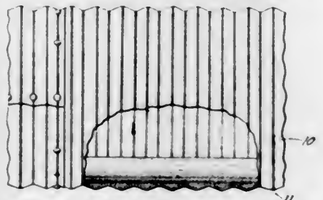
1. Fastener means for use with an apertured flexible shield for attachment to the front of motor radiator grilles having relatively rigid bars formed with spaced substantially flat sides, said fastener means having a part in the form of a relatively rigid head bearing on the shield and grille-engaging arms extending directly from said head through an aperture in said shield and engaging said grille bars with a spring action to securely hold the shield to the supporting grille, said grille engaging arms being substantially straight and parallel for the major portion of their length whereby to frictionally engage the relatively flat sides of the grille bars to be supported thereby.

2,081,871
FASTENER SECURED INSTALLATION
Walter I. Jones, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Original application August 16, 1934, Serial No. 740,084. Divided and this application November 5, 1936, Serial No. 109,341. In Great Britain July 30, 1935
2 Claims. (Cl. 257—132)



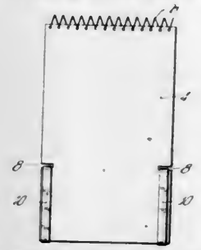
2. The combination with an automobile radiator grille consisting of a plurality of relatively rigid bars, of an apertured covering of a size to cover at least a portion of said grille and yieldable fastener means constructed and arranged to engage the cover and to pass through the apertures and engage the grille to hold the cover in place.

2,081,872
CULVERT
Julius Kahn and Walter F. Schulz, Cleveland Heights, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application February 19, 1937, Serial No. 126,660
8 Claims. (Cl. 138—70)



1. A culvert comprising a corrugated sheet metal pipe, lining means for a part of the inner circumferential length of said pipe, said means including an arcuate, sheet metal plate having a radius approximating that of the pipe and a sheet of fibrous material between the plate and the pipe, means securing the lining means within said pipe, and bituminous material covering the inner surface of said plate, substantially filling the spaces between the outer surface of said plate and the inner surface of said pipe, and adhering to said sheet of fibrous material.

2,081,873
NOTEBOOK
Volney E. Larsen, Chicago, Ill., assignor to White & Wyckoff Mfg. Company, Holyoke, Mass., a corporation of Massachusetts
Application August 29, 1936, Serial No. 98,505
4 Claims. (Cl. 281—33)



4. As a new article of manufacture, a notebook comprising a stack of leaves, a cover member disposed adjacent one side of the stack, a second cover member disposed adjacent the other side of the stack, binding means associated with the upper marginal edge portions of said stack and cover members which permits the covers to be moved into adjacency, one of said cover members being provided with an open-ended slot at a distance from said binding means, and an endless band of friction material embracing that part of said one cover member which is disposed between said slot and the lower marginal edge of the cover member.

2,081,874
DYESTUFFS OF THE ANTHRAQUINONE SERIES
William H. Lycan, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 22, 1935, Serial No. 51,079
7 Claims. (Cl. 260—36)

1. The dyestuffs obtainable by the alkaline condensation of Bz-1-benzanthronyl-alpha-anthraquinone-2,1(N)-benzacridone imides which are black powders when in powdered form and which yield olive brown to brown solutions in concentrated sulfuric acid, changing in color in such sulfuric acid solution upon standing or when heated to olive to green, and which yield violet colored alkaline hydrosulfite vats, from which cotton is dyed in gray to black shades of good fastness properties.

2,081,875
NOTEBOOK
Walter C. Ross, Springfield, Mass., assignor to White & Wyckoff Mfg. Company, Holyoke, Mass., a corporation of Massachusetts
Application October 7, 1936, Serial No. 104,350
7 Claims. (Cl. 281—33)

4. As a new article of manufacture, a book of the class described comprising in combination, a stack of leaves and a pair of covers therefor arranged for relative swinging movements, one of said covers being provided with open-ended slots extending inwardly from the marginal side edges thereof, and an endless friction band having an end loop seated in one of said seats and an adjacent part extending diagonally around the adjacent corner part of said cover and then twisted



intermediate its ends so as to have an intermediate part embracing the lower marginal edge of the cover with the remainder of the band extending diagonally around the opposite corner part of the cover and the opposite end loop seated in the opposite seat.

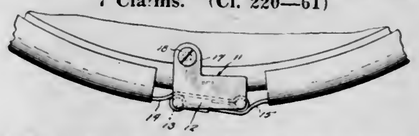
2,081,876
DIARYL OXIDE SULPHONIC ACIDS AND PROCESSES FOR PREPARING THE SAME
Milton A. Prahl, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 25, 1935, Serial No. 8,110
10 Claims. (Cl. 260—150)

1. Diaryl oxide sulphonic acids of the formula:

$$(R')_n\left[\text{C}_6\text{H}_3(\text{O}-\text{R})\right](\text{SO}_3\text{M})_m$$

wherein R represents a radical of the group consisting of phenyl and naphthyl radicals which contain no chromophore groups, R' represents a radical of the class consisting of unsubstituted hydroaromatic and aliphatic radicals containing more than two carbon atoms, M represents a member of the group consisting of hydrogen, an alkali metal and the ammonium radical, m stands for a number from 1 to 3 and n stands for a number from 1 to 5, which compounds may be obtained by sulphonating and condensing in any order a diphenyl oxide which contains no chromophore groups with a compound of the class consisting of unsubstituted hydroaromatic and aliphatic sulphates containing more than two carbon atoms.

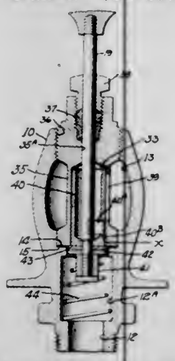
2,081,877
MEANS FOR CLOSING SEALING RINGS
Edgar E. Shanor, Sharon, Pa., assignor to The Petroleum Iron Works Company of Ohio, Sharon, Pa., a corporation of Ohio
Application November 7, 1935, Serial No. 48,731
7 Claims. (Cl. 220—61)



1. The combination of a container having an opening whose defining wall is formed with a gasket seat, a gasket, a cover having a flange which bears upon the gasket, a sealing ring for

sealing the parts in the relation stated, said ring having spaced apart end straps, and a slack take-up member positioned in the gap between the strap ends and journaled with relation to the strap ends whereby it can be rotated to compel the straps to move toward relative lapping position and thereby contract the ring, and means for securing the slack take-up member in the position to which it has been rotated.

2,081,878
VALVE
Joseph Wittek, Pasadena, Calif.
Application May 27, 1935, Serial No. 23,531
7 Claims. (Cl. 277—42)



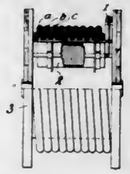
1. In a fluid valve, and in combination, a casing, said casing having an inlet passage and an outlet passage, a cylindrical chamber in said casing having an end opening and a side opening connecting said passages, a piston movable in said chamber and adapted to close or open communication between said passages, said piston comprising a tubular member entirely open at one end thereof to permit the flow of fluid from such entirely open end into said outlet passage, a valve member formed integrally with said piston at the opposite end thereof and constituting a closure for said opposite piston end, said piston having an opening in its side wall adjacent said valve and being movable in unison with said valve member, and means for moving said piston and valve to permit the flow of the fluid from said inlet passage around said valve through said opening in the piston side wall and thence through the piston and from its open end through the side opening in said chamber into said outlet passage.

2,081,879
LAST PROTECTOR
William H. Bain, Westwood, Ohio
Application November 17, 1934, Serial No. 753,425
1 Claim. (Cl. 12—107)



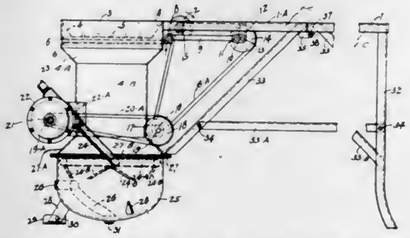
A member for protecting the bottom of the forepart of a last during the operation of feathering the margin of the forepart of an upper lasted directly to the margin of the last bottom, said member being shaped and arranged to cover the portion of said last bottom not covered by the feathered lasted margin of the upper and being provided along its margin with a lip to which the lasted margin of the upper is adapted to be secured prior to the feathering operation.

2,081,880
HIGH TENSION ELECTRIC CABLE
Luigi Emanueli, Milan, Italy, assignor to Società Italiana Pirelli, Milan, Italy
Application May 22, 1929, Serial No. 365,111
In Great Britain January 20, 1928
11 Claims. (Cl. 173—266)



1. A method of maintaining high tension electric cables of the kind referred to completely impregnated with oil or fluid insulating compound from the time they leave the factory until permanently installed in the site required, characterized by providing each length of impregnated cable with a reservoir serving to positively maintain the length of cable completely impregnated with the oil or compound at a pressure greater than that of the atmosphere at all times notwithstanding the variation of the surrounding temperature to which the cable may be subjected.

2,081,881
CEMENT MIXER
Wilburn Clay Hall and Charley Proctor Hall, Pearson, Okla.
Application May 27, 1935, Serial No. 23,777
1 Claim. (Cl. 83—73)

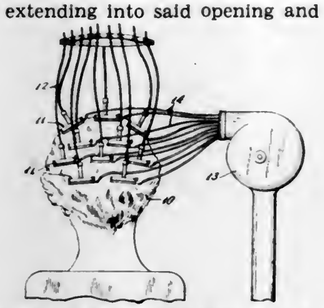


In a cement mixing machine having a mixing chamber and means for slitting sacks of cement, the combination of means operative to break up and screen lump cement, driving mechanism for both said means, water distributing means for supplying water to said mixing chamber, means for conveying cement from the screens to said mixing chamber, and a pressure driven water motor actuating said driving mechanism located in series hydraulic circuit with the water distributing means, whereby the machine may be connected to a source of water under pressure for actuating said driving mechanism as an incident to operation of said water distributing means.

2,081,882
ANTIBURN DEVICE FOR WAVING SOLUTIONS IN PERMANENT WAVING
William A. Kunze, New York, N. Y.
Application February 27, 1936, Serial No. 65,949
12 Claims. (Cl. 132—36.1)

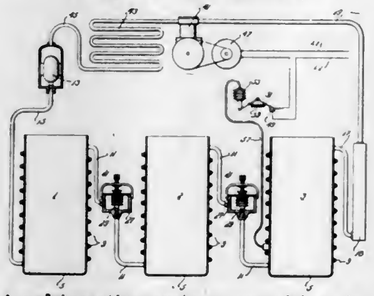
1. An anti-burn device for waving solutions for permanent hair waving, comprising a protector for the roots of the hair and having an opening beneath those portions likely to drip waving solution, a tube member having a tip

portion extending into said opening and having



perforations to receive said drip, and a suction device connected with said tube.

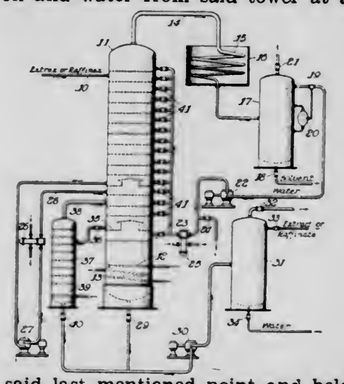
2,081,883
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application November 26, 1934, Serial No. 754,705
2 Claims. (Cl. 62—115)



2. A refrigerating system comprising, in combination, a plurality of evaporators connected in series circuit relation, means for withdrawing gaseous refrigerant from the evaporators and for condensing the gaseous refrigerant and for delivering the same to the evaporators, a high side float type valve interposed between the said means and the inlet to the evaporator first to receive liquid refrigerant, and a second valve interposed between the outlet of the first evaporator and the inlet to the next evaporator for controlling the flow of both liquid and gaseous refrigerant from the first to the second evaporator, said second valve including a pressure element for moving the valve, and said pressure element being responsive to the pressure in the first evaporator and adapted to be assisted by the pressure in the second evaporator in the event of an abnormally high pressure in said second evaporator for supplying refrigerant from the first to the second mentioned evaporators in response to the pressure in the first evaporator.

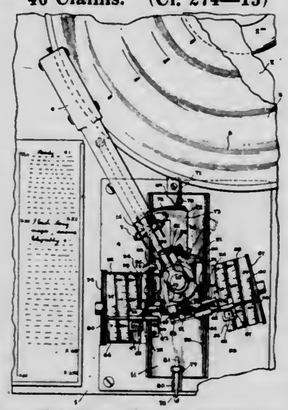
2,081,884
RECOVERY OF SOLVENTS FROM OIL
Edward N. Roberts, Casper, Wyo., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 16, 1934, Serial No. 740,078
2 Claims. (Cl. 202—42)

1. A process for the recovery of solvent and oil from a solution of said oil in said solvent, said solvent being relatively insoluble but not completely insoluble in water in the liquid phase under normal operating conditions, said process comprising introducing said solution into a stripping tower at an elevated level, introducing steam into the bottom of said stripping tower to strip said oil and said solvent from the material in said tower, removing a vapor mixture of solvent and water from the top of said tower, condensing said mixture, separating the condensed mixture into a predominantly solvent phase and a predominantly aqueous phase, recycling said predominantly aqueous phase to said tower at a point substantially above the bottom of said tower, withdrawing a stream consisting of solvent, oil and water from said tower at a point



above said last mentioned point and below the point of introduction of said solution, passing said stream to a separate auxiliary stripping zone, stripping solvent from the oil in said stripping zone, with steam, removing oil from said stripping zone, reintroducing solvent and water vapors from said stripping zone into said tower above the point of withdrawal and below the point of introduction of said solution, and removing water from substantially the bottom of said tower.

2,081,885
MECHANISM FOR SELECTIVELY REPRODUCING AND AUTOMATICALLY REPEATING SOUND RECORD MATERIAL
Arthur L. Runyan, New York, N. Y., assignor, by mesne assignments, to Translaphon Corporation, Newark, N. J., a corporation of New Jersey
Application August 8, 1935, Serial No. 35,383
46 Claims. (Cl. 274—15)



17. In mechanism for reproducing and repeating the whole or any selected portion of a sound record, including a tiltable support, a sound reproducer carried by the tiltable support and including a horizontally swinging tone arm

adapted to be operatively engaged with the sound record and to be lifted therefrom by the tilting support, means for tilting the support to lift the tone arm from the sound record including a solenoid, a spring device arranged to be placed under tension by the solenoid for actuating the tiltable support, means for energizing the solenoid comprising a circuit having a normally stationary contact and provided with a movable contact associated with the tone arm and movable by the same to close the circuit and energize a solenoid, means for swinging the tone arm to return the same to its initial position when the tone arm is lifted from the record, a switch carrying lever also associated with the tone arm and movable with the same, a mercury switch supported by the lever and arranged in parallel with the said contacts, a switch controlling element arranged to be engaged by the said lever when the tone arm is elevated and adapted to hold the lever against movement for maintaining the circuit closed until the tone arm has been returned to its starting position, said lever being carried beyond the switch controlling member at the end of the return movement of the tone arm to permit the mercury switch to open the circuit and deenergize the solenoid.

2,081,886

OIL COMPOSITION

Bertrand W. Story and Everett W. Fuller, Woodbury, N. J., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application June 10, 1931, Serial No. 543,396

1 Claim. (Cl. 87—9)

The combination, with a highly refined viscous mineral oil, of a relatively small quantity of dibenzyl disulphide sufficient to reduce substantially the tendency of the oil to form acidic material through oxidation.

2,081,887

PROCESS OF MAKING SHOES

William H. Bain, Auburn, Maine

Application June 17, 1936, Serial No. 85,641

6 Claims. (Cl. 12—142)



1. The improvement in the process of making shoes without an insole in the forepart thereof which consists in attaching a strip of material directly to the bottom of the forepart of a last inwardly of the edge thereof, cementing the lasting allowance of an upper directly to the bottom of the forepart of said last between the edge thereof and the strip thereon, securing the marginal portion of said lasting allowance to said strip, and cutting away the cooperating portions of said lasting allowance and said strip after the cement that secures said lasting allowance to said last has set.

2,081,888

CONFECTION COATING MACHINE

Wilfred T. Birdsall, New York, N. Y., assignor, by mesne assignments, to Eskimo Pie Corporation, New York, N. Y., a corporation of Delaware

Application December 10, 1930, Serial No. 501,221

4 Claims. (Cl. 91—3)

3. A machine for coating confections comprising, in combination, an enrobing means to coat the individual pieces with coating material; said enrobing means including a perforated conveyer; an imperforate plate beneath the conveyer adjustable in length, and a coating material receptacle to discharge coating material downwardly onto the conveyer and adjustable plate, whereby a pool of coating material will accumulate on the

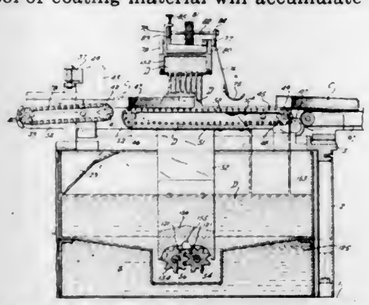


plate and at least partially cover the conveyer to coat the under side of pieces of confection; and means for varying the length of the plate to vary the length of the pool and the thickness of the under coating.

2,081,889

NONCRYSTALLIZING ROSIN COMPOSITION AND METHOD OF PRODUCING

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 7, 1933, Serial No. 692,704

10 Claims. (Cl. 106—22)

1. A substantially non-crystallizing rosin product comprising a normally crystallizable rosin containing in intimate physical admixture a synthetic resin in amount of from about 0.25% to about 1% by weight of the rosin.

2,081,890

METHOD OF REFINING ROSIN

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 27, 1933, Serial No. 704,133

25 Claims. (Cl. 87—2)

1. The method of refining rosin which includes heating rosin with a boron compound at a temperature of about 100°–225° C. whereby a reaction product, insoluble in rosin solvents, of the boron compound and color bodies contained in the rosin is produced, dissolving the treated rosin in a solvent therefor, separating the rosin solution from insoluble material, and recovering refined rosin from the solution.

2,081,891

APPARATUS FOR REGULATING THE LEVEL OF LIQUID

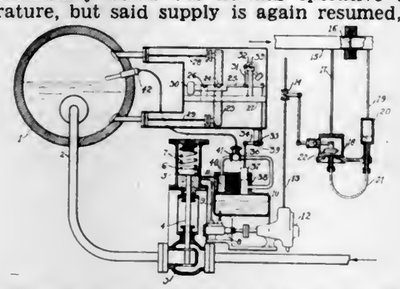
Leon Sergius Chalatow, Boston, Mass., assignor to Philip A. Jerguson, Medford, Mass.

Application October 30, 1935, Serial No. 47,359

8 Claims. (Cl. 122—451)

8. In a boiler water level control the combination with a resiliently mounted receptacle connected externally with the boiler in a manner to rise and fall with corresponding changes of water level in the boiler, of means responsive to the temperature inside the boiler and to the quantity of steam discharged from the boiler, which means are effective upon the quantity of water supplied to the boiler in such a manner that said supply is proportional to the steam discharged by the boiler, and inversely proportional to the level of water in the boiler, and said supply is cut off when

the temperature inside the drum of the boiler is substantially below the normal operative temperature, but said supply is again resumed, re-



gardless of the temperature inside the boiler drum, when the level of water in the boiler drops below a predetermined safe limit.

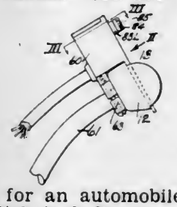
2,081,892

AUTOMOBILE LIGHTING AND SIGNAL SYSTEM

Julius C. Ford, Memphis, Tenn.

Application May 6, 1935, Serial No. 19,968

2 Claims. (Cl. 200—59)



1. A switch for an automobile having a foot pedal, said switch including an enclosing casing rigidly attached to said pedal, and having a top forming a foot-contacting portion relatively immovable with regard to said pedal; said casing enclosing, a base of insulating material, two oppositely disposed banks of contacts supported and insulated by said base, a shaft supported by said casing above said base and between said banks of contacts, a pair of arms independently hinged on said shaft and extending oppositely outward, a pair of bus bars, each carried by a said arm and overlying a said bank of contacts, spring means supporting said arms to hold said bus bars free from said contacts; posts, respectively projecting each from a said arm through and above said top, and a bar external to said casing having its opposite ends secured each to a said post, said bar being depressible relative to said casing to optionally engage either or both of said bus bars with its or their respective contacts.

2,081,893

STAR DECORATION SYSTEM

Harry J. Lozier, Des Moines, Iowa

Application December 2, 1935, Serial No. 52,559

9 Claims. (Cl. 41—10)



4. For use with an elongated element, a decoration member mounted thereon and held frictionally against movement longitudinally thereof, said decoration member comprising a pair of decoration elements each having a slot inwardly from the edge thereof, the bottom of each slot being enlarged to approximately the diameter of said elongated element, said decoration elements being assembled together in straddled relationship with said elongated element confined between the bottoms of said enlargements of said slots.

2,081,894

RESISTANCE BODY MADE FROM SEMI-CONDUCTIVE SUBSTANCES

Wilfried Meyer, Birkenwerder, near Berlin, and Erwin Weise, Berlin, Germany, assignors to Patent-Treuhand-Gesellschaft für Elektrische Gluhlampen, m. b. H., Berlin, Germany

Application February 6, 1935, Serial No. 5,308

In Germany February 12, 1934

9 Claims. (Cl. 201—76)



1. A resistance body composed of a semi-conductive metal compound having an electrolytic conductivity of less than 1% of its total conductivity, and having a resistance of more than 1 ohm in a body having a cross section of 1 cm.^{2} and a length of 1 cm. at ordinary temperature, means for controlling the temperature distribution in the body so that the value of the resistance of the body is reduced more than inversely proportional to the current increase and the body has a fall in temperature in the direction of current.

2,081,895

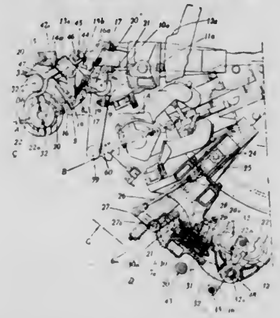
GLASS FORMING MACHINE

Thomas Courtney Moorshead, Strand, London, England, assignor to Ball Brothers Company, Muncie, Ind.

Application November 28, 1936, Serial No. 113,165

In Great Britain September 17, 1935

17 Claims. (Cl. 49—5)

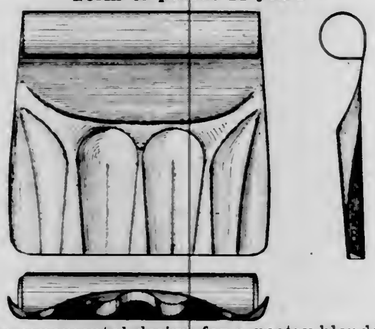


1. A glass shaping machine comprising a central column, a plurality of molds mounted for movement around said column, means controlled by the rotation of said molds for swinging the same in a horizontal plane, whereby the molds travel at one time in an outer path and at another time in an inner path, means for pressing the molds traveling in said outer path downwardly into a forehearth, means for connecting the interior of the depressed molds to a source of suction, a cut-off knife mounted for angular movement across the lower end of the mold, a spring associated with said knife, means controlled by the outward swinging movement of the mold for compressing said spring, and means for releasing said spring to cause said spring to swing the cut-off knife across the lower end of the mold.

DESIGNS

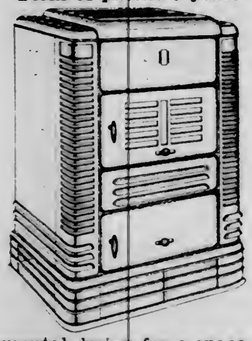
MAY 25, 1937

104,608
DESIGN FOR A PASTRY BLENDER
Carrie M. Bricker, Cleveland, Ohio
Application March 29, 1937, Serial No. 68,463
Term of patent 14 years



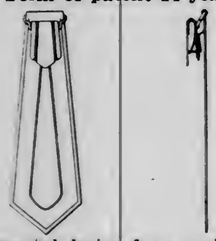
The ornamental design for a pastry blender, as shown.

104,609
DESIGN FOR A SPACE HEATER
George L. Bridge, Ladue Village, Mo.
Application March 13, 1937, Serial No. 68,157
Term of patent 7 years



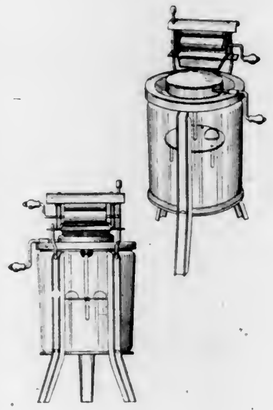
The ornamental design for a space heater substantially as shown and described.

104,610
DESIGN FOR A POCKET GUARD
Warner R. Buxton, Longmeadow, Mass.
Application March 19, 1937, Serial No. 68,279
Term of patent 14 years



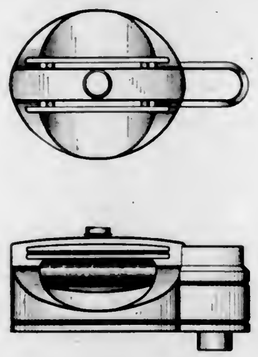
The ornamental design for a pocket guard substantially as shown and described.

104,611
DESIGN FOR A TOY WASHING MACHINE
Daniel C. Cahalane, Hillsdale, N. J.
Application April 12, 1937, Serial No. 68,683
Term of patent 3½ years



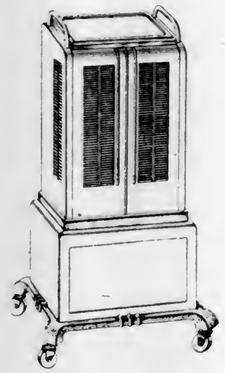
The ornamental design for a toy washing machine, as shown.

104,612
DESIGN FOR A CLOTHES WRINGER
Nicholas L. Etten, Waterloo, Iowa
Application October 19, 1936, Serial No. 65,368
Term of patent 14 years



The ornamental design for a clothes wringer as shown.

104,613
DESIGN FOR AN ELECTROTHERAPEUTIC APPARATUS CABINET
Arthur C. Haggstrom, Rockford, Ill., assignor to The Burdick Corporation, Milton, Wis., a corporation of Delaware
Application April 12, 1937, Serial No. 68,679
Term of patent 7 years



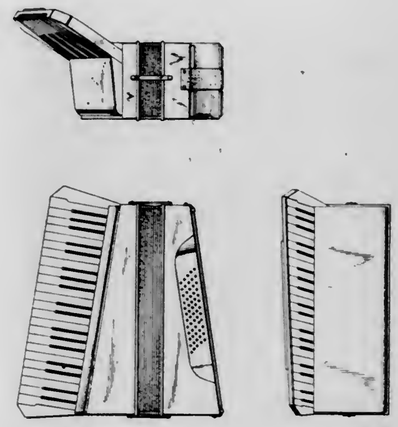
The ornamental design for an electro-therapeutic apparatus cabinet as shown and described.

104,614
DESIGN FOR A COMBINED X-RAY TUBE AND TRANSFORMER CASE AND BRACKET
Joseph J. Heger, Chicago, Ill., assignor to Universal Vacuum Products Company, Chicago, Ill., a corporation of Illinois
Application January 16, 1937, Serial No. 67,086
Term of patent 14 years



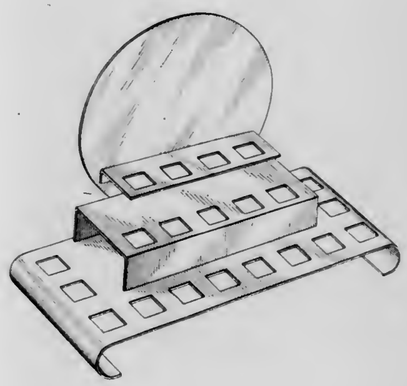
The ornamental design for a combined X-ray tube and transformer case and bracket substantially as shown.

104,615
DESIGN FOR AN ACCORDION OR THE LIKE
John M. Miller, Arlington, Va.
Application February 21, 1936, Serial No. 61,291
Term of patent 3½ years



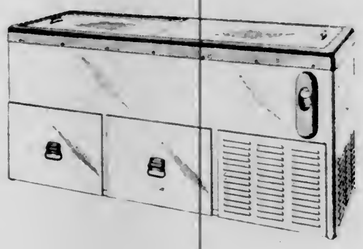
The ornamental design for an accordion or the like as shown and described.

104,616
DESIGN FOR A DISPLAY STAND FOR PERFUME BOTTLES OR THE LIKE
Samuel Schein, Brooklyn, N. Y.
Application March 23, 1937, Serial No. 68,355
Term of patent 3½ years



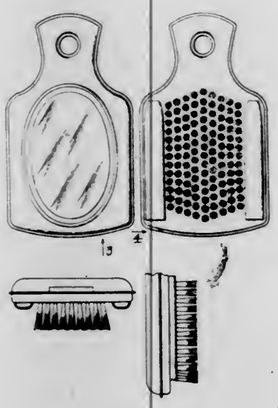
The ornamental design for a display stand for perfume bottles or the like as shown.

104,617
DESIGN FOR A BEVERAGE COOLER
George V. Steffens, Clayton, Mo.
Application March 31, 1937, Serial No. 68,499
Term of patent 14 years



The ornamental design for a beverage cooler as shown and described.

104,618
DESIGN FOR A COMBINATION BRUSH AND MIRROR
Eugene L. Tourigny, Leominster, Mass., assignor to United Comb and Novelty Company, Inc., Leominster, Mass., a corporation of Massachusetts
Application November 9, 1936, Serial No. 65,811
Term of patent 3½ years



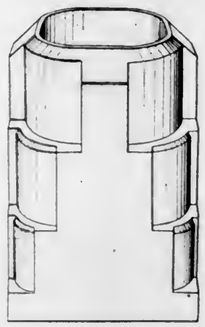
The ornamental design for a combination brush and mirror as shown and described.

104,619
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio
Application September 2, 1936, Serial No. 64,688
Term of patent 7 years



The ornamental design for an atomizer substantially as shown.

104,620
DESIGN FOR A CHIMNEY TOP
Edwin D. Wagner, Akron, Ohio, assignor to The Robinson Clay Product Company, Akron, Ohio, a corporation of Maine
Application March 12, 1937, Serial No. 68,131
Term of patent 14 years



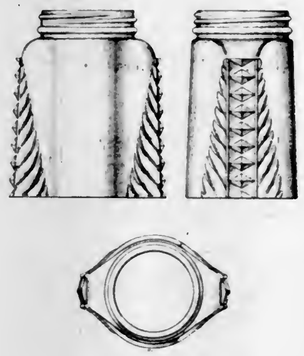
The ornamental design for a chimney top as shown and described.

104,621
DESIGN FOR A JAR
Lysle E. Adams, Chicago, Ill., assignor to himself, as trustee
Application March 17, 1937, Serial No. 68,222
Term of patent 3½ years



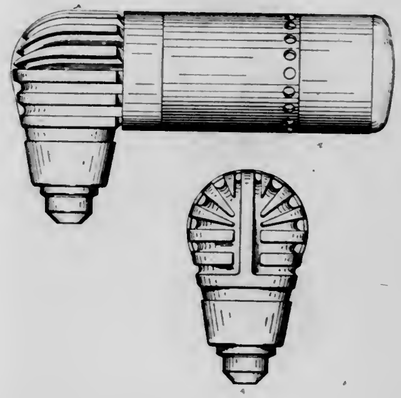
The ornamental design for a jar, as shown.

104,622
DESIGN FOR A JAR
Willis Burton Adams, Chicago, Ill., assignor to Lysle E. Adams, as trustee
Application March 17, 1937, Serial No. 68,223
Term of patent 3½ years



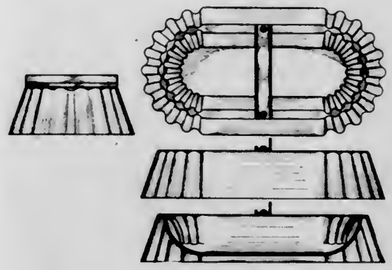
The ornamental design for a jar, as shown.

104,623
DESIGN FOR A PORTABLE POWER-DRIVEN TOOL UNIT
Alonzo G. Decker, Towson, Md., assignor to The Black & Decker Manufacturing Company, Towson, Md., a corporation of Maryland
Application March 24, 1937, Serial No. 68,389
Term of patent 7 years



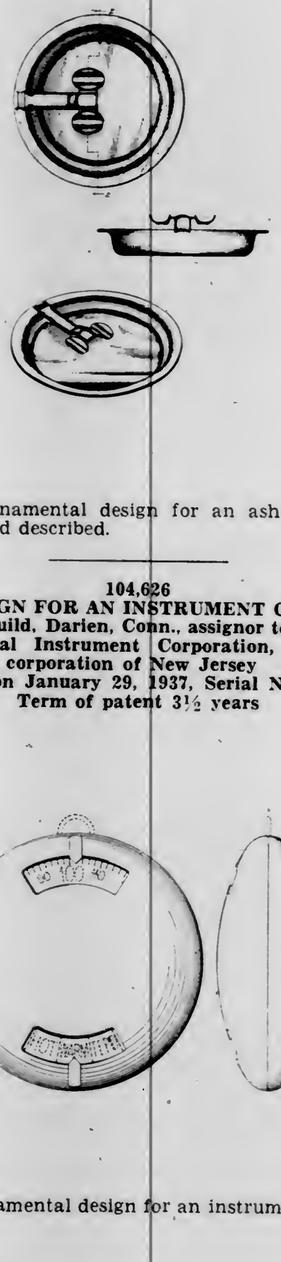
The ornamental design for a portable power-driven tool unit, as shown.

104,624
DESIGN FOR A FEED TROUGH
Albert N. Eaton, Omaha, Nebr.
Application March 27, 1937, Serial No. 68,432
Term of patent 14 years



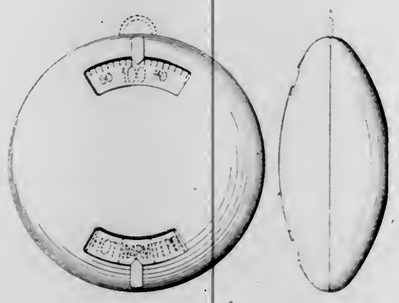
The ornamental design for a feed trough, as shown.

104,625
DESIGN FOR AN ASH TRAY
Albert C. Grunwald, River Forest, Ill., assignor to Precision Metal Workers, Chicago, Ill., a corporation of Illinois
Application January 18, 1937, Serial No. 67,112
Term of patent 7 years



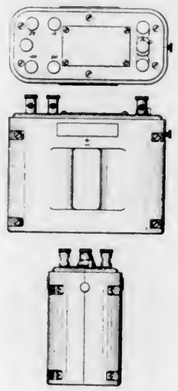
The ornamental design for an ash tray, as shown and described.

104,626
DESIGN FOR AN INSTRUMENT CASE
Lurelle Guild, Darien, Conn., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application January 29, 1937, Serial No. 67,341
Term of patent 3½ years



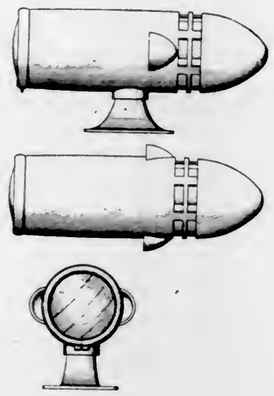
The ornamental design for an instrument case, as shown.

104,627
DESIGN FOR A TRANSFORMER CASING
Richard C. Hitchcock, Upper Montclair, and Uel L. Smith, Towaco, N. J., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania
Application March 13, 1937, Serial No. 68,162
Term of patent 14 years



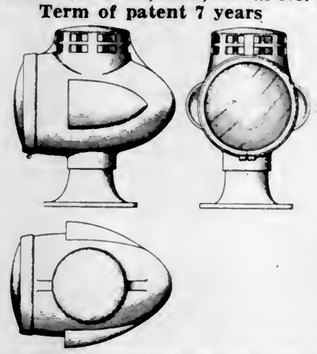
The ornamental design for a transformer casing, substantially as shown.

104,628
DESIGN FOR A COMBINED LAMP AND HORN
Jeremiah D. Kennelly, Oak Park, Ill., assignor of one-half to Ethel V. Mars
Application October 21, 1936, Serial No. 65,410
Term of patent 7 years



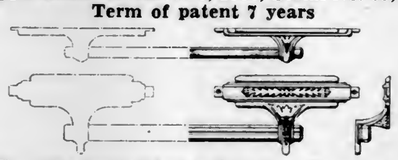
The ornamental design for a combined lamp and horn as shown.

104,629
DESIGN FOR A COMBINED LAMP AND HORN
Jeremiah D. Kennelly, Oak Park, Ill., assignor of one-half to Ethel V. Mars
Application October 21, 1936, Serial No. 65,411
Term of patent 7 years



The ornamental design for a combined lamp and horn as shown.

104,630
DESIGN FOR A HANDLE FOR A CASKET OR ANALOGOUS ARTICLE
Raymond Larson, Chicago, Ill., assignor to Central Metallic Casket Co., Chicago, Ill., a corporation of Illinois
Application November 6, 1936, Serial No. 65,737
Term of patent 7 years



The ornamental design for a handle for a casket or analogous article as shown and described.

104,631
DESIGN FOR A CORNER ORNAMENT FOR A CASKET OR ANALOGOUS ARTICLE
Raymond Larson, Chicago, Ill., assignor to Central Metallic Casket Co., Chicago, Ill., a corporation of Illinois
Application November 6, 1936, Serial No. 65,738
Term of patent 7 years



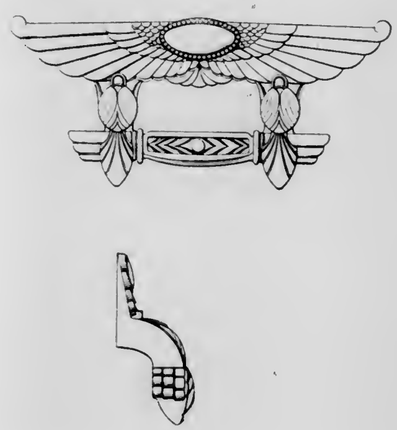
The ornamental design for a corner ornament for a casket or analogous article as shown and described.

104,632
DESIGN FOR A PLATE FOR A CASKET OR ANALOGOUS ARTICLE
Raymond Larson, Chicago, Ill., assignor to Central Metallic Casket Co., Chicago, Ill., a corporation of Illinois
Application November 6, 1936, Serial No. 65,739
Term of patent 7 years



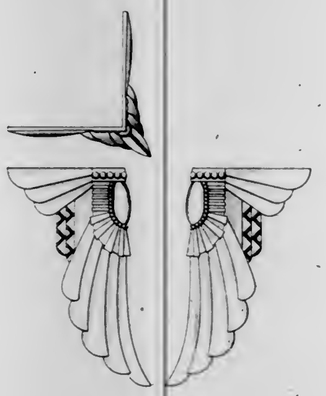
The ornamental design for a plate for a casket or analogous article as shown.

104,633
DESIGN FOR A HANDLE FOR A CASKET OR ANALOGOUS ARTICLE
Raymond Larson, Chicago, Ill., assignor to Central Metallic Casket Co., Chicago, Ill., a corporation of Illinois
Application November 6, 1936, Serial No. 65,740
Term of patent 7 years



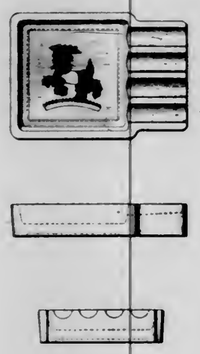
The ornamental design for a handle for a casket or analogous article as shown.

104,634
DESIGN FOR A CORNER ORNAMENT FOR A CASKET OR ANALOGOUS ARTICLE
Raymond Larson, Chicago, Ill., assignor to Central Metallic Casket Co., Chicago, Ill., a corporation of Illinois
Application November 6, 1936, Serial No. 65,741
Term of patent 7 years



The ornamental design for a corner ornament for a casket or analogous article as shown.

104,635
DESIGN FOR AN ASHTRAY
William E. Mackelfresh, Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 1, 1936, Serial No. 65,113
Term of patent 7 years



The ornamental design for an ashtray, substantially as shown.

104,636
DESIGN FOR A FLOWER HOLDER
Mattie E. Perry, Orlando, Fla.
Application March 29, 1937, Serial No. 68,468
Term of patent 7 years



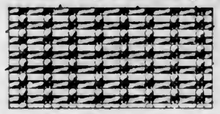
The ornamental design for a flower holder, as shown.

104,637
DESIGN FOR ARTIFICIAL LEATHER
Joseph A. Puppo, Crestwood, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 4, 1937, Serial No. 67,975
Term of patent 14 years



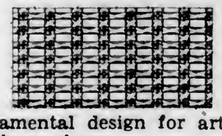
The ornamental design for artificial leather substantially as shown.

104,638
DESIGN FOR ARTIFICIAL LEATHER
Joseph A. Puppo, Crestwood, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 4, 1937, Serial No. 67,977
Term of patent 14 years



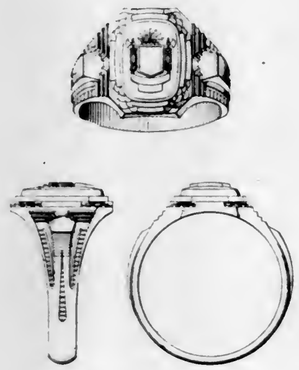
The ornamental design for artificial leather, substantially as shown.

104,639
DESIGN FOR ARTIFICIAL LEATHER
Joseph A. Puppo, Crestwood, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 4, 1937, Serial No. 67,978
Term of patent 14 years



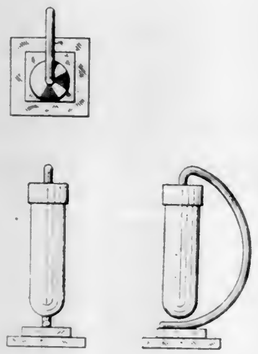
The ornamental design for artificial leather, substantially as shown.

104,640
DESIGN FOR A FINGER RING
Lucien Ribera, New York, N. Y.
Application March 31, 1937, Serial No. 68,493
Term of patent 7 years



The ornamental design for a finger ring, as shown.

104,641
DESIGN FOR A DESK THERMOMETER
Carl L. Rizer, Springfield, Ohio, assignor to The Ohio Thermometer Company, Springfield, Ohio, a corporation of Ohio
Application March 9, 1937, Serial No. 68,081
Term of patent 7 years



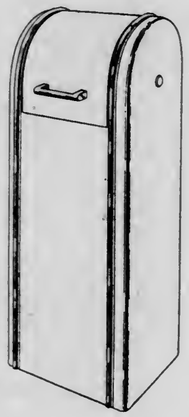
The ornamental design for a desk thermometer, as shown.

104,642
DESIGN FOR A GOLF CLUB
Joseph Sylvester, Hollis, N. Y.
Application March 27, 1937, Serial No. 68,441
Term of patent 7 years



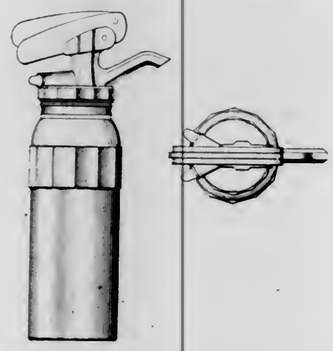
The ornamental design for a golf club substantially as shown and described.

104,643
DESIGN FOR A THERAPEUTIC APPARATUS CABINET
Walter Dorwin Teague, New York, N. Y., assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application March 1, 1937, Serial No. 67,921
Term of patent 14 years



The ornamental design for a therapeutic apparatus cabinet, as shown and described.

104,644
DESIGN FOR A CREAM WHIPPER APPLIANCE
Edwin A. Thompson and Tofick L. Hallak, Kansas City, Mo.
Application March 3, 1937, Serial No. 67,963
Term of patent 7 years



The ornamental design for a cream whipper appliance as shown and described.

104,645
DESIGN FOR A TOY
George F. Welch, Fort Wayne, Ind.
Application February 5, 1937, Serial No. 67,472
Term of patent 3½ years



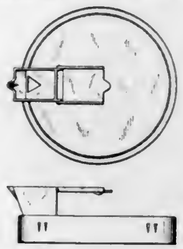
The ornamental design for a toy, as shown.

104,646
DESIGN FOR A FOUNTAIN PEN
Abraham Baff, North Arlington, N. J.
Application March 30, 1937, Serial No. 68,471
Term of patent 7 years



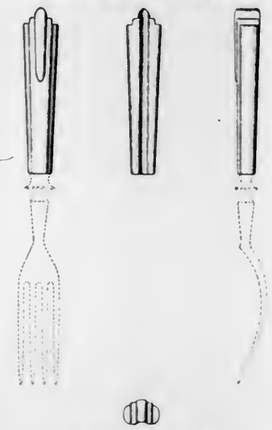
The ornamental design for a fountain pen, as shown and described.

104,647
DESIGN FOR A MILK CAN COVER
François Bastinck, Jersey City, N. J.
Application December 21, 1936, Serial No. 66,668
Term of patent 3½ years



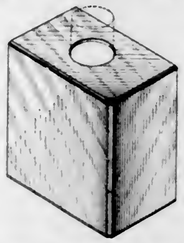
The ornamental design for a milk can cover as shown.

104,648
DESIGN FOR A FORK OR SIMILAR ARTICLE
Milton Bernstein, Brooklyn, N. Y., assignor to National Silver Company, New York, N. Y.
Application April 15, 1937, Serial No. 68,794
Term of patent 3½ years



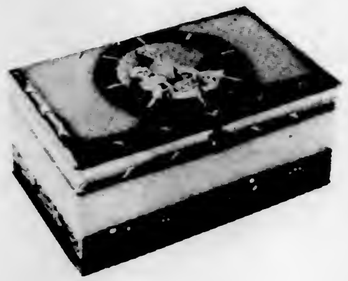
The ornamental design for a fork or similar article as shown and described.

104,649
DESIGN FOR A CONTAINER OR SIMILAR ARTICLE
Louise Love Black, Chicago, Ill.
Application September 8, 1934, Serial No. 53,235
Term of patent 14 years



The ornamental design for a container or similar article, as shown and described.

104,650
DESIGN FOR A BOX
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application April 14, 1937, Serial No. 68,776
Term of patent 7 years



The ornamental design for a box substantially as shown.

104,651
DESIGN FOR A LUNCH BOX
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application April 14, 1937, Serial No. 68,777
Term of patent 7 years



The ornamental design for a lunch box substantially as shown.

104,652
DESIGN FOR A LUNCH BOX
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application April 14, 1937, Serial No. 68,778
Term of patent 7 years



The ornamental design for a lunch box substantially as shown.

104,653
DESIGN FOR A LUNCH BOX
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application April 14, 1937, Serial No. 68,779
Term of patent 7 years



The ornamental design for a lunch box substantially as shown.

104,654
DESIGN FOR A BUTTON
William H. Craddock, Kansas City, Mo., assignor to Verbury, Inc., Kansas City, Mo., a corporation of Missouri
Application March 24, 1937, Serial No. 68,361
Term of patent 14 years



The ornamental design for a button, substantially as shown.

104,655
DESIGN FOR A BOTTLE
Charles P. Englebardt, New York, N. Y., assignor to Oldetyme Distillers, Inc., New York, N. Y., a corporation of New Jersey
Application April 20, 1936, Serial No. 62,209
Term of patent 14 years



The ornamental design for a bottle substantially as shown and described.

104,656
DESIGN FOR A BOTTLE
Edwin W. Fuerst and Brooks D. Fuerst, Toledo, Ohio, assignors to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 14, 1937, Serial No. 68,765
Term of patent 14 years



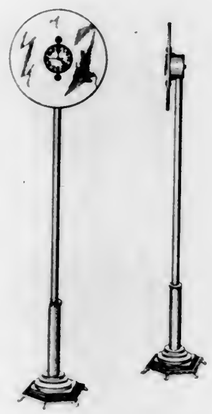
The ornamental design for a bottle, substantially as shown.

104,657
DESIGN FOR A JUG
Edwin W. Fuerst and Brooks D. Fuerst, Toledo, Ohio, assignors to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 14, 1937, Serial No. 68,766
Term of patent 14 years



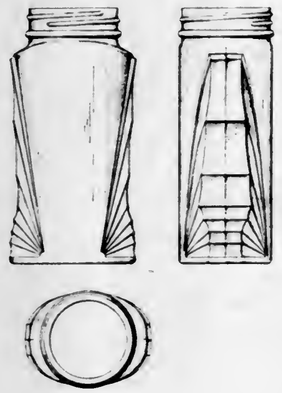
The ornamental design for a jug substantially as shown.

104,658
DESIGN FOR A PEDESTAL CLOCK
Joseph H. Fronenberg, Los Angeles, Calif.
Application October 26, 1936, Serial No. 65,495
Term of patent 14 years



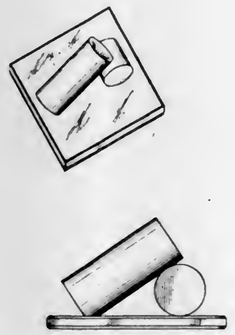
The ornamental design for a pedestal clock, as shown.

104,659
DESIGN FOR A JAR
Brooks D. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 14, 1937, Serial No. 68,768
Term of patent 14 years



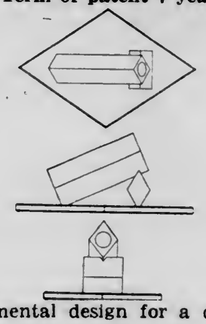
The ornamental design for a jar substantially as shown.

104,660
DESIGN FOR A DESK STAND
Benjamin W. Hanle, Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application March 20, 1936, Serial No. 61,716
Term of patent 7 years



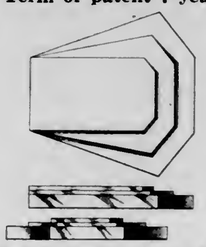
The ornamental design for a desk stand, as shown.

104,661
DESIGN FOR A DESK STAND
Benjamin W. Hanle, Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application March 26, 1936, Serial No. 61,791
Term of patent 7 years



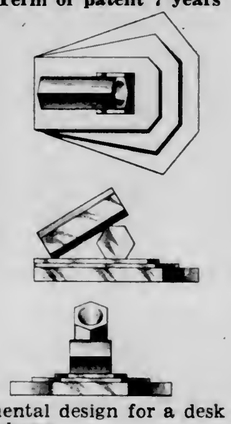
The ornamental design for a desk stand, as shown.

104,662
DESIGN FOR A BASE FOR A DESK STAND
Benjamin W. Hanle, Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application March 17, 1937, Serial No. 68,224
Term of patent 7 years



The ornamental design for a base for a desk stand substantially as shown.

104,663
DESIGN FOR A DESK STAND
Benjamin W. Hanle, Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application March 17, 1937, Serial No. 68,225
Term of patent 7 years



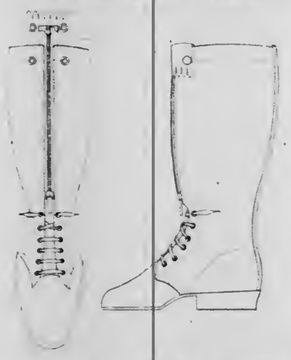
The ornamental design for a desk stand, substantially as shown.

104,664
DESIGN FOR A SHOE
Alphons Hurzeler, New Rochelle, N. Y.
Application April 20, 1937, Serial No. 68,892
Term of patent 3½ years



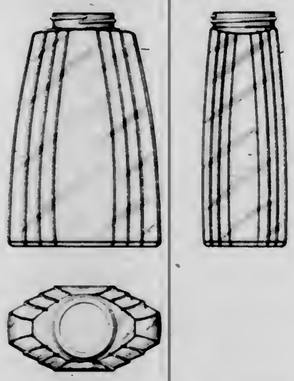
The ornamental design for a shoe substantially as shown.

104,665
DESIGN FOR A RIDING BOOT
Moe Jacob, New York, N. Y.
Application April 13, 1937, Serial No. 68,733
Term of patent 7 years



The ornamental design for a riding boot as shown.

104,666
DESIGN FOR A BOTTLE
Philip G. Lloyd, Jackson Heights, N. Y., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application April 14, 1937, Serial No. 68,786
Term of patent 14 years



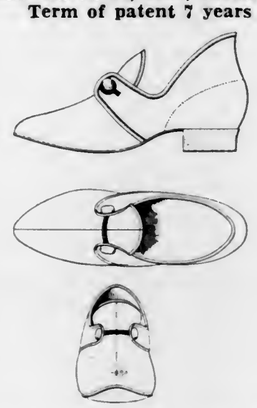
The ornamental design for a bottle, as shown.

104,667
DESIGN FOR A SHOE
Hans H. C. Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 16, 1936, Serial No. 65,955
Term of patent 3½ years



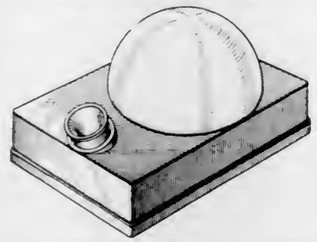
The ornamental design for a shoe, substantially as shown.

104,668
DESIGN FOR A SLIPPER
Verne L. Rice, Shrewsbury, Mass., assignor to Wiley-Bickford-Sweet Corp., Worcester, Mass., a corporation of Massachusetts
Application March 20, 1937, Serial No. 68,306
Term of patent 7 years



The ornamental design for a slipper as shown.

104,669
DESIGN FOR AN INKSTAND
Gustav J. Sengbusch, Milwaukee, Wis.
Application April 9, 1937, Serial No. 68,642
Term of patent 14 years



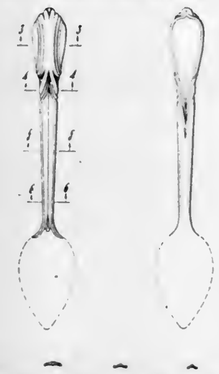
The ornamental design for an inkstand substantially as shown.

104,670
DESIGN FOR A SLIPPER
Max Shanzer, New York, N. Y.
Application April 16, 1937, Serial No. 68,815
Term of patent 3½ years



The ornamental design for a slipper substantially as shown.

104,671
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Charles F. Simms, Concord, N. H., assignor to Concord Silversmiths Corporation, Concord, N. H., a corporation of New Hampshire
Application April 5, 1937, Serial No. 68,560
Term of patent 14 years



The ornamental design for a spoon or other article of flatware substantially as shown.

104,672
DESIGN FOR A RING MOUNTING
Arthur Alvin Ahlquist, Norwood, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application April 13, 1937, Serial No. 68,730
Term of patent 14 years



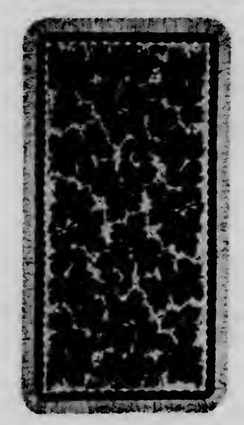
The ornamental design for a ring mounting substantially as shown and described.

104,673
DESIGN FOR TYPE FONT
Fritz L. Amberger, New York, N. Y.
Application March 20, 1937, Serial No. 68,305
Term of patent 3½ years

ABCDEFGHIJKLMNOPQRSTUVWXYZ&
12345678905

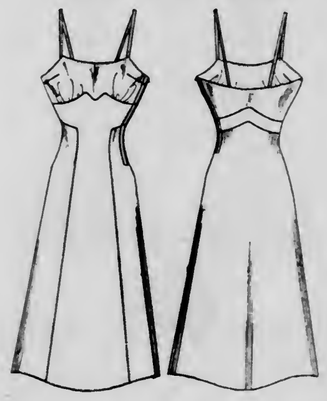
The ornamental design for type font, as shown and described.

104,674
DESIGN FOR A RUG
Lucien Biva, Bronx, N. Y., assignor to Otto Timme, doing business under name and style of E. F. Timme & Son, New York, N. Y.
Application January 19, 1937, Serial No. 67,146
Term of patent 7 years



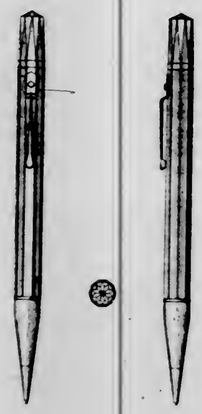
The ornamental design for a rug, as shown.

104,675
DESIGN FOR A SLIP
Harry Cohen, New York, N. Y.
Application April 20, 1937, Serial No. 68,885
Term of patent 3½ years



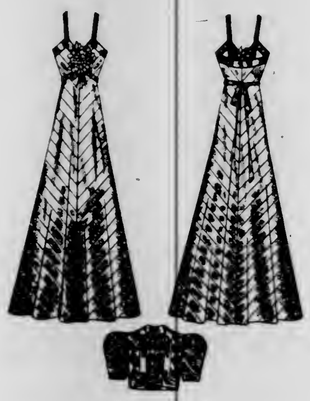
The ornamental design for a slip substantially as shown.

104,676
DESIGN FOR A PENCIL OR SIMILAR ARTICLE
Frank C. Deli, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application February 15, 1937, Serial No. 67,664
Term of patent 14 years



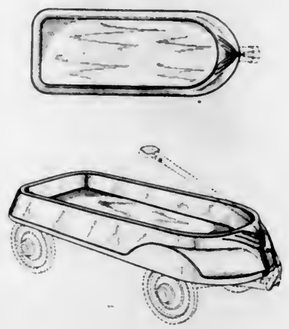
The ornamental design for a pencil or similar article as shown and described.

104,677
DESIGN FOR A DRESS ENSEMBLE
Grace Diaz, New York, N. Y.
Application April 21, 1937, Serial No. 68,900
Term of patent 3½ years



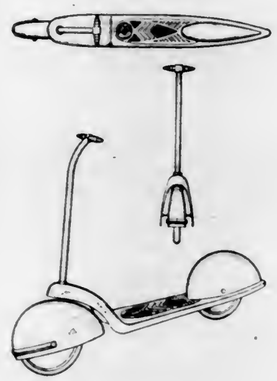
The ornamental design for a dress ensemble, substantially as shown and described.

104,678
DESIGN FOR A COASTER WAGON
Joseph B. Eck, Sheboygan, Wis.
Application February 17, 1937, Serial No. 67,712
Term of patent 7 years



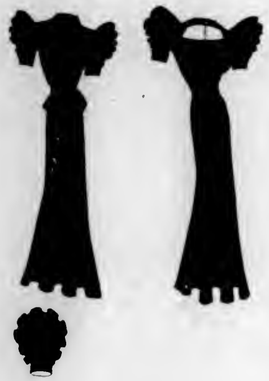
The ornamental design for a coaster wagon, substantially as shown and described.

104,679
DESIGN FOR A SCOOTER
Joseph B. Eck, Sheboygan, Wis.
Application April 5, 1937, Serial No. 68,566
Term of patent 7 years



The ornamental design for a scooter, substantially as shown.

104,680
DESIGN FOR A DRESS
Benjamin Fried, New York, N. Y.
Application April 16, 1937, Serial No. 68,802
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

104,681
DESIGN FOR A NET FABRIC OR SIMILAR ARTICLE
Daniel Gross, Yonkers, N. Y.
Application April 20, 1937, Serial No. 68,888
Term of patent 3½ years



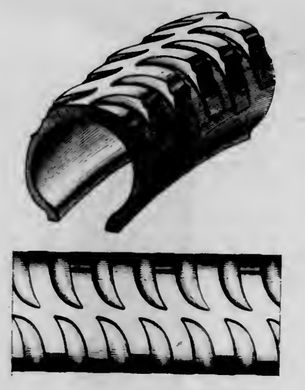
The ornamental design for a net fabric or similar article as shown and described.

104,682
DESIGN FOR A NET FABRIC OR SIMILAR ARTICLE
Daniel Gross, Yonkers, N. Y.
Application April 20, 1937, Serial No. 68,889
Term of patent 3½ years



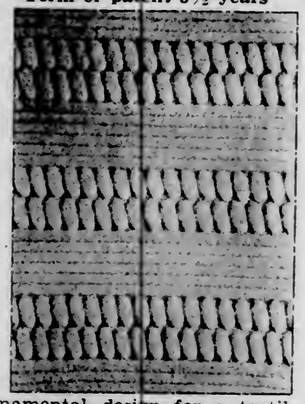
The ornamental design for a net fabric or similar article as shown and described.

104,683
DESIGN FOR A TIRE
William Edward Hardeman, Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Application April 7, 1937, Serial No. 68,605
In Great Britain December 23, 1936
Term of patent 14 years



The ornamental design for a tire as shown.

104,684
DESIGN FOR A TEXTILE FABRIC
Abraham Hausman, New York, N. Y.
Application May 5, 1937, Serial No. 69,171
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

104,685
DESIGN FOR AN AUTOMOBILE
Rust Heinz, Pasadena, Calif.
Application September 28, 1936, Serial No. 65,036
Term of patent 7 years



The ornamental design for an automobile as shown and described.

104,686
DESIGN FOR A CLIP FOR WRITING IMPLEMENTS OR THE LIKE
Alfonso Iannelli, Park Ridge, Ill., assignor to The Wahl Company, Chicago, Ill., a corporation of Delaware
Application September 4, 1936, Serial No. 64,718
Term of patent 14 years



The ornamental design for a clip for writing implements or the like substantially as shown.

104,687
DESIGN FOR A CLIP FOR WRITING IMPLEMENTS OR THE LIKE
Alfonso Iannelli, Park Ridge, Ill., assignor to The Wahl Company, Chicago, Ill., a corporation of Delaware
Application April 14, 1937, Serial No. 68,748
Term of patent 14 years



The ornamental design for a clip for writing implements or the like substantially as shown.

104,688
DESIGN FOR A VEHICLE
Oscar F. Jackson, Eaton County, Mich., assignor to Luce Manufacturing Company, Lansing, Mich., a corporation of Michigan
Application January 13, 1937, Serial No. 67,028
Term of patent 3½ years



The ornamental design for a vehicle, as shown.

104,689
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Adolph C. Jaeger, Port Chester, N. Y.
Application January 8, 1937, Serial No. 66,949
Term of patent 7 years



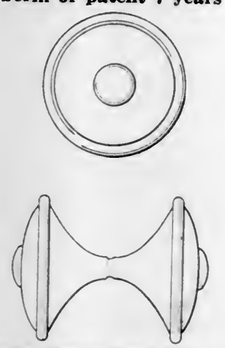
The ornamental design for a textile fabric or similar article substantially as shown and described.

104,690
DESIGN FOR A PHOTOGRAPHIC PROJECTOR
John A. Korengold, Chicago, Ill.
Application April 12, 1937, Serial No. 68,690
Term of patent 7 years



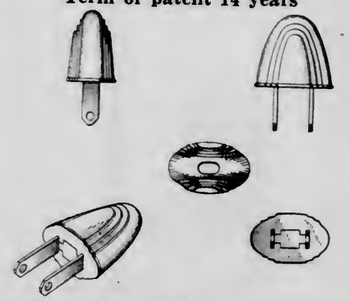
The ornamental design for a photographic projector, substantially as shown.

104,691
DESIGN FOR A TOP
Maurice H. Lambert, Kalamazoo, Mich.
Application March 8, 1937, Serial No. 68,056
Term of patent 7 years



The ornamental design for a top, as shown.

104,692
DESIGN FOR AN ELECTRIC CONNECTER PLUG
Raymond Loewy, New York, N. Y., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 1, 1937, Serial No. 67,384
Term of patent 14 years



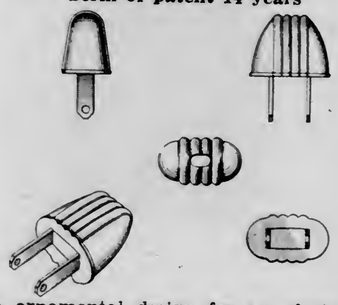
The ornamental design for an electric connecter plug, substantially as shown.

104,693
DESIGN FOR AN ELECTRIC CONNECTER PLUG
Raymond Loewy, New York, N. Y., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 1, 1937, Serial No. 67,386
Term of patent 3½ years



The ornamental design for an electric connecter plug, substantially as shown.

104,694
DESIGN FOR AN ELECTRIC CONNECTER PLUG
Raymond Loewy, New York, N. Y., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 1, 1937, Serial No. 67,387
Term of patent 14 years



The ornamental design for an electric connecter plug, substantially as shown.

104,695
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Eugene J. Lux, New York, N. Y., assignor to Harriet Hubbard Ayer, Inc., New York, N. Y., a corporation of New York
Application April 23, 1937, Serial No. 68,944
Term of patent 14 years



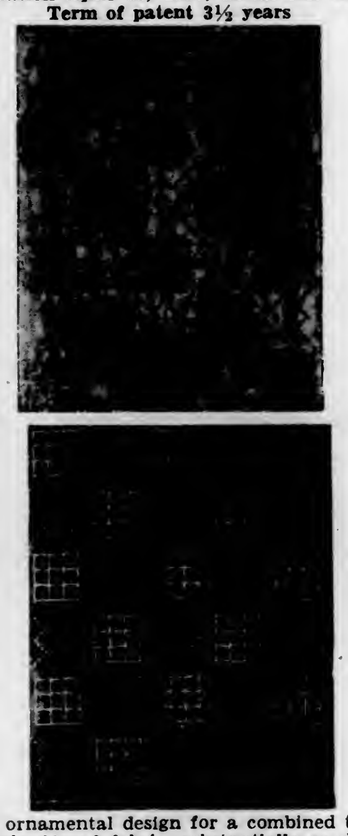
The ornamental design for a vanity case or similar article, as shown.

104,696
DESIGN FOR A BOTTLE
George N. Mas, Washington, D. C.
Application May 17, 1927, Serial No. 22,015
Term of patent 14 years



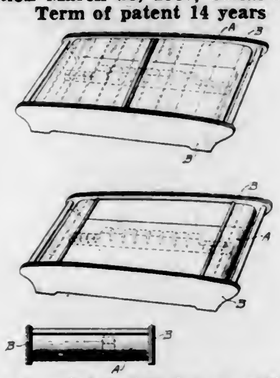
The ornamental design for a bottle, as shown.

104,697
DESIGN FOR A COMBINED TUFTED AND EMBROIDERED FABRIC
Morris Mitler, New York, N. Y.
Application April 20, 1937, Serial No. 68,881
Term of patent 3½ years



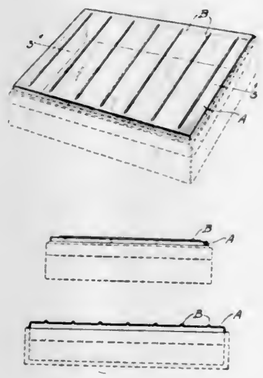
The ornamental design for a combined tufted and embroidered fabric, substantially as shown.

104,698
DESIGN FOR AN ARTICLE DISPLAY CASE
Thomas J. Pilliod, Swanton, Ohio, assignor to The Pilliod Cabinet Company, Swanton, Ohio, a corporation of Ohio
Application March 25, 1937, Serial No. 68,394
Term of patent 14 years



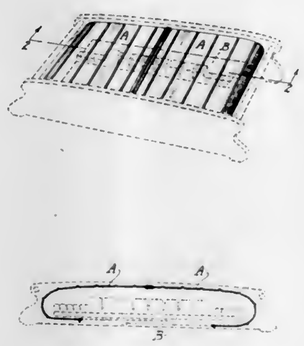
The ornamental design for an article display case, substantially as shown and described.

104,699
DESIGN FOR AN ARTICLE DISPLAY CASE
Thomas J. Pilliod, Swanton, Ohio, assignor to The Pilliod Cabinet Company, Swanton, Ohio, a corporation of Ohio
Application March 25, 1937, Serial No. 68,395
Term of patent 7 years



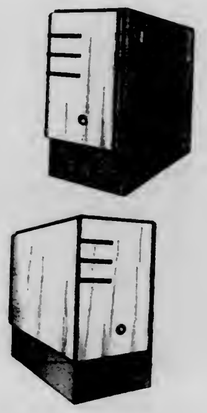
The ornamental design for an article display case, substantially as shown and described.

104,700
DESIGN FOR AN ARTICLE DISPLAY CASE
Thomas J. Pilliod, Swanton, Ohio, assignor to The Pilliod Cabinet Company, Swanton, Ohio, a corporation of Ohio
Application March 29, 1937, Serial No. 68,462
Term of patent 14 years



The ornamental design for an article display case, substantially as shown and described.

104,701
DESIGN FOR A BOILER JACKET
Gilbert Rohde, New York, N. Y., assignor to Lycoming Manufacturing Company, Williamsport, Pa., a corporation of Pennsylvania
Application April 12, 1937, Serial No. 68,678
Term of patent 7 years



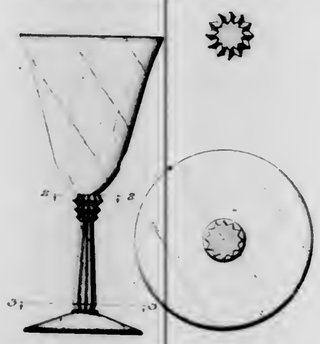
The ornamental design for a boiler jacket, substantially as shown.

104,702
DESIGN FOR A TEXTILE FABRIC
Walter Ross, New York, N. Y.
Application April 28, 1937, Serial No. 69,016
Term of patent 3½ years



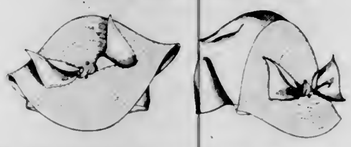
The ornamental design for a textile fabric as shown and described.

104,703
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
George Sakier, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 10, 1937, Serial No. 68,665
Term of patent 3½ years



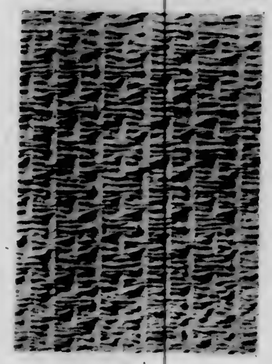
The ornamental design for a goblet or similar article, substantially as shown.

104,704
DESIGN FOR A HAT
Samuel Scheuer, New York, N. Y.
Application March 30, 1937, Serial No. 68,480
Term of patent 3½ years



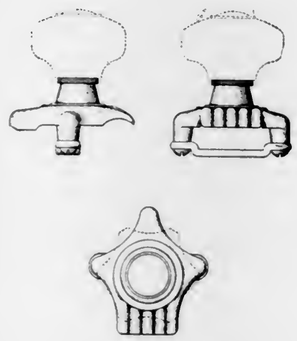
The ornamental design for a hat substantially as shown and described.

104,705
DESIGN FOR AN EMBOSSED LEATHER
Hyman Singer, New York, N. Y., assignor to Eleso Leather Embossing Co., Inc., New York, N. Y., a corporation of New York
Application April 26, 1937, Serial No. 68,972
Term of patent 3½ years



The ornamental design for an embossed leather substantially as shown.

104,706
DESIGN FOR A STEERING WHEEL DEVICE
John Sinko, Oak Park, Ill.
Application October 24, 1936, Serial No. 65,489
Term of patent 7 years



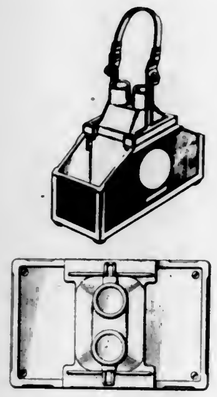
The ornamental design for a steering wheel device, as shown and described.

104,707
DESIGN FOR A BUTTON
William E. Stanbury, Kansas City, Mo., assignor to Verbury, Inc., Kansas City, Mo., a corporation of Missouri
Application March 24, 1937, Serial No. 68,362
Term of patent 14 years



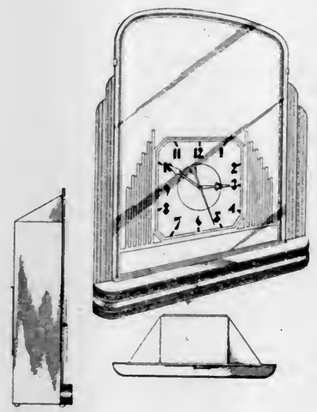
The ornamental design for a button, substantially as shown.

104,708
DESIGN FOR A BATTERY SERVICE KIT OR THE LIKE
Joseph C. Thomas, Akron, Ohio, assignor to E. Edelmann & Co., Chicago, Ill., a corporation of Illinois
Application March 18, 1937, Serial No. 68,272
Term of patent 14 years



The ornamental design for a battery service kit or the like, as shown.

104,709
DESIGN FOR A COMBINED SIGN AND CLOCK OR SIMILAR ARTICLE
José Trojan, Chicago, Ill., assignor to Owen Housholder and David C. Cohen, a copartnership, doing business as Crystal Manufacturing Co., Chicago, Ill.
Application March 17, 1937, Serial No. 68,226
Term of patent 3½ years



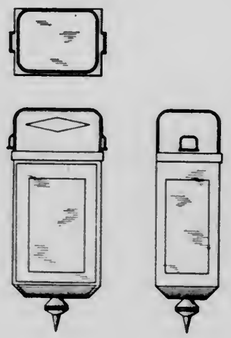
The ornamental design for a combined sign and clock or similar article, as shown.

104,710
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application April 29, 1937, Serial No. 69,034
Term of patent 3½ years



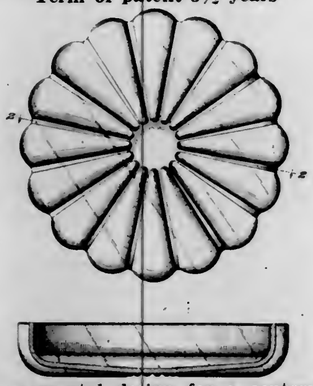
The ornamental design for a textile fabric, substantially as shown, and described.

104,711
DESIGN FOR A COMBINED BATTERY AND BOOSTER CASE OR SIMILAR ARTICLE
Eugene W. Weston, Elginburgh, Ontario, Canada
Application September 8, 1936, Serial No. 64,759
Term of patent 14 years



The ornamental design for a combined battery and booster case or similar article, as shown.

104,712
DESIGN FOR A CENTERPIECE OR SIMILAR ARTICLE
Findley Williams, Chicago, Ill., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 10, 1937, Serial No. 68,663
Term of patent 3½ years



The ornamental design for a centerpiece or similar article, substantially as shown.

104,713
DESIGN FOR LACE
Isaac Zendman, Jr., New York, N. Y.
Application May 5, 1937, Serial No. 69,173
Term of patent 3½ years



The ornamental design for lace, substantially as shown.

OFFICIAL GAZETTE

OF THE

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June
1937

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[Decisions of the United States Court of Customs and Patent Appeals are indicated by a star (*)]

ERRATA

List of patentees, OFFICIAL GAZETTE, June 8, 1937, page XXIV—No. 2,083,407, name of patentee, for De Hart G. Scranton read De Hart G. Scrantom.

Trade-Mark Renewal Registration, page 1038, O. G. June 29, 1937, No. 116,958, name of registrant, for Henry Lindenmeyer & Sons, renewed to Henry Lindenmeyer & Sons read Henry Lindenmeyr & Sons, renewed to Henry Lindenmeyr & Sons.

393106

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adjuvant Specialties Company, Jersey City, N. J. Antacid preparation. Serial No. 390,489; June 1. Class 6.

Adjuvant Specialties Company, Jersey City, N. J. Analgesic preparation for relief of pain. Serial No. 390,490; June 1. Class 6.

Adjuvant Specialties Company, Jersey City, N. J. Preparation for use in the treatment of constipation. Serial No. 390,491; June 1. Class 6.

Adjuvant Specialties Company, Jersey City, N. J. Hematinic preparation. Serial No. 390,492; June 1. Class 6.

Adjuvant Specialties Company, Jersey City, N. J. Hemorrhoidal suppositories. Serial No. 390,493; June 1. Class 6.

All American Beverage Co., Inc., Beaver Falls, Pa. Beverages, and sirups and extracts for making the same. Serial No. 389,444; June 1. Class 45.

Allen, Robert S. (See Pearson, A. R., and Allen.)

Alloy Fabricating Company. (See Archer, F. D.)

American Bird Products, Inc., Chicago, Ill. Bird seed and song food. Serial No. 377,906; June 1. Class 46.

American Cyanamid & Chemical Corporation, New York, N. Y. Chemical compounds. Serial No. 390,303; June 1. Class 6.

Archer, F. D., doing business as Alloy Fabricating Company, Chicago, Ill. Thermo-couple protection tubes. Serial No. 390,037; June 1. Class 26.

Archer Rubber Company, Milford, Mass. Waterproofed clothing. Serial No. 389,298; June 1. Class 39.

Arden Farms, Inc., Los Angeles, Calif. Milk, buttermilk, cream, etc. Serial No. 390,157; June 1. Class 46.

Armstrong Cork Products Company, Lancaster, Pa. Hard surfaced floor coverings. Serial No. 377,907; June 1. Class 20.

Arundel Ice Cream Co., Baltimore, Md. Ice cream. Serial No. 386,626; June 1. Class 46.

Bailey Meter Company, Cleveland, Ohio. Assembled combination of an air pilot valve. Serial No. 388,891; June 1. Class 26.

Bartlett Clothes, Inc., Chicago, Ill. Suits of clothing. Serial No. 391,170; June 1. Class 39.

Bassick Company, The, Bridgeport, Conn. Supporting posts of chair irons. Serial No. 389,630; June 1. Class 13.

Bassick Company, The, Bridgeport, Conn. Tilting chair irons. Serial No. 390,350; June 1. Class 13.

Beacon Milling Company, Inc., The, Cayuga, N. Y. Grains and mixed feeds. Serial No. 388,524; June 1. Class 46.

Bishop Paper Company, New York, N. Y. Paper for use in addressographs, tabulating machines, etc. Serial No. 390,683; June 1. Class 37.

Bonded Brands, Incorporated, Chicago, Ill. Golf balls. Serial No. 375,750; June 1. Class 22.

Booth, Eden C., doing business as Colonial Poultry Farms, Pleasant Hill, Mo. Baby chicks. Serial No. 389,719; June 1. Class 46.

Boykin, E. C., Sr., doing business as E. C. Boykin Drug Company, Brewton, Ala. Preparation used in the treatment of rheumatism and impurities of the blood. Serial No. 391,457; June 1. Class 6.

Bradner Smith & Company, Chicago, Ill. Bond paper. Serial No. 390,897; June 1. Class 37.

Braun Bros. Oil Co., Winnetka, Ill. Oil burners and parts. Serial No. 385,683; June 1. Class 34.

Brocton Distributing Company, Atlanta, Ga. Apple cider. Serial No. 391,308; June 1. Class 45.

Brown, Chester B., Morrill, Nebr. Dried beans. Serial No. 377,909; June 1. Class 46.

Buscarlet Glove Company Inc., New York, N. Y. Leather gloves. Serial No. 390,502; June 1. Class 39.

Butler Manufacturing Company, Kansas City, Mo. Dry-cleaning apparatus. Serial No. 349,663; June 1. Class 24.

Cambridge Tile Mfg. Co., The, Cincinnati, Ohio. Ceramic, clay wall tile, glazed and unglazed. Serial Nos. 390,898–9; June 1. Class 12.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Hygroscopic glycol compositions. Serial No. 390,543; June 1. Class 6.

Cargill Elevators Incorporated, Minneapolis, Minn. Grass and lawn seeds, farm seeds and seed grains. Serial No. 383,425; June 1. Class 1.

Carleton Sportswear, Inc., New York, N. Y. Coats, suits, dresses, etc. Serial No. 390,989; June 1. Class 39.

Catalin Corporation of America, Fords, N. J. Liquid preparation of phenolic resin. Serial No. 390,949; June 1. Class 5.

Celestin, Ltd., New York, N. Y. Brandy, cognac, and cognac brandy. Serial Nos. 390,442–3; June 1. Class 49.

Český Akciový Pivovar V. Č. Budějovicích, Ceske Budejovice, Czechoslovakia. Beer. Serial No. 382,657; June 1. Class 48.

Chalmers, Leona W., New York, N. Y. Douche sprays. Serial No. 389,872; June 1. Class 44.

Chase & Company, Sanford, Fla. Fertilizers. Serial No. 390,295; June 1. Class 10.

Chase-Shawmut Company, The, Newburyport, Mass. Electric fuses. Serial No. 382,863; June 1. Class 21.

Circle Foods, Inc., New York, N. Y. Chocolate flavored malted milk powder. Serial No. 390,355; June 1. Class 46.

Clor-O-Clean Chemical Company. (See Simon, Jacob H.)

Cohn & Rosenberger, Inc., New York, N. Y. Necklaces and bracelets, finger rings, etc. Serial No. 390,264; June 1. Class 28.

Coll, Jean, New York, N. Y. Sizing and stiffening liquid for textiles and straw materials. Serial No. 379,830; June 1. Class 6.

Collalum Company, The, Cleveland, Ohio. Preparation for use in the treatment of stomach disorders. Serial No. 391,266; June 1. Class 6.

Colonial Poultry Farms. (See Booth, Eden C.)

Continental Radio and Television Corp., Chicago, Ill. Automatic tuners for radios. Serial No. 391,116; June 1. Class 21.

Crane Co., Chicago, Ill. Metal pipe fittings. Serial No. 389,677; June 1. Class 13.

Crocker-McElwain Company, Holyoke, Mass. Paper. Serial No. 391,058; June 1. Class 37.

Crown Cork & Seal Company, Inc., Baltimore, Md. Capping machines for containers. Serial No. 390,017; June 1. Class 23.

Cymone Company, The, Waco, Tex. Tablets for the preservation of male stamina. Serial No. 390,414; June 1. Class 6.

Dainty Foods Manufacturers, Inc., Chicago, Ill. Compound for making beverages. Serial No. 390,018; June 1. Class 45.

Daniels, Claude H., East Portchester, Conn. Boots and shoes. Serial No. 390,507; June 1. Class 39.

Davega-City Radio, Inc., New York, N. Y. Golf balls and tennis rackets. Serial No. 388,227; June 1. Class 22.

Debway Hats, Inc., New York, N. Y. Ladies' hats. Serial No. 390,508; June 1. Class 39.

Delbrook Clothes, Inc., New York, N. Y. Coats, suits, and sport jackets. Serial No. 384,285; June 1. Class 39.

Delite Products Company. (See Little, Perry H.)

Denebeim Liquor Co., Kansas City, Mo. Whiskey. Serial Nos. 391,749–50; June 1. Class 49.

Dictograph Products Company, Inc., New York, N. Y. Radio receiving sets, radio receiving sets combined with audible signal making attachments, etc. Serial No. 383,428; June 1. Class 21.

Dresser, S. R., Manufacturing Company, Bradford, Pa. Gaskets and packings. Serial No. 388,348; June 1. Class 35.

Dry Fruit Products Corporation, Oakland, Calif. Bread. Serial No. 369,735; June 1. Class 46.

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tires, and inner tubes of rubber. Serial No. 390,117; June 1. Class 35.

Eakin, Perry V., Kansas City, Mo. Portable air conditioned compartments and parts thereof. Serial No. 388,228; June 1. Class 34.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic papers, photographic films, sensitized tracing cloth, etc. Serial No. 391,059; June 1. Class 26.

Eastyarn, Inc., Brooklyn, N. Y. Yarns. Serial No 376,341; June 1. Class 43.

Eidinger, Robert, Chicago, Ill. Piece goods of waterproofed silk, satin, etc. Serial No. 381,408; June 1. Class 50.

Ellerstein-Gerber Corp., New York, N. Y. Attachments that fit on the top of wooden and metal blocks used in making hats. Serial No. 383,632; June 1. Class 50.

Eureka Woolen Mills, Inc., Eureka, Calif. Yarn. Serial No. 391,117; June 1. Class 43.

Everedy Company, The, Frederick, Md. Coffee sets. Serial No. 390,589; June 1. Class 13.

Faltz, Narcissus, doing business as N. F. T. & Co., Norfolk, Va. Preparation for use on the human hair. Serial No. 389,744; June 1. Class 6.

Farrell, Sydney T., doing business as National Games Company, Newtonville, Mass. Table games. Serial No. 387,894; June 1. Class 22.

Fashion Park Manufacturing Corporation, Rochester, N. Y. Topcoats and overcoats. Serial No. 390,511; June 1. Class 39.

Fehr Baking Company of Houston, Houston, Tex. Bread. Serial No. 391,120; June 1. Class 46.

Feller, Bob, Company, Cleveland, Ohio. Candies and candy bars. Serial No. 389,499; June 1. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Feller, Bob, Company, Cleveland, Ohio. Beverages, and syrups, extracts, and flavors used in making the same. Serial No. 390,512; June 1. Class 45.

Fenwal Incorporated, Danvers, Mass. Electric heaters, space heaters, water heaters, etc. Serial No. 384,034; June 1. Class 21.

Freeman Shoe Corporation, Beloit, Wis. Boots and shoes. Serial No. 382,663; June 1. Class 39.

Freeman Shoe Corporation, Beloit, Wis. Boots and shoes. Serial No. 389,681; June 1. Class 39.

French, Thomas, & Sons Limited, Manchester, England. Ladder tapes, curtain tapes, curtain edging, etc. Serial No. 379,838; June 1. Class 40.

General Mills, Inc., Minneapolis, Minn. Cereal food products. Serial No. 390,362; June 1. Class 46.

General Motors Corporation, Detroit, Mich., and Anderson, Ind. Electrically operated sounding horns, signals, and alarms and parts thereof. Serial No. 389,125; June 1. Class 21.

Gerts Lumbard and Company, Chicago, Ill. Paint brushes. Serial Nos. 391,471–3; June 1. Class 29.

Gettelman, A., Brewing Co., Milwaukee, Wis. Beer. Serial No. 390,909; June 1. Class 48.

Gotfried, M. A., doing business as M. A. Gotfried Co., Santa Paula, Calif. Fresh vegetables. Serial No. 386,424; June 1. Class 46.

Greene, Joseph, New York, N. Y. Young men's and boys' bath robes. Serial No. 390,063; June 1. Class 39.

Grichnik & Grichnik, Carlinville, Ill. Honey beverage sold as a soft drink. Serial No. 387,503; June 1. Class 45.

Haigh, Janet J., doing business as Raceway Oil Co., Chicago, Ill. Lubricating oils. Serial No. 390,317; June 1. Class 15.

Haspel Brothers, Inc., New Orleans, La. Suits, coats, pants, etc. Serial No. 390,852; June 1. Class 39.

Haspel Brothers, Inc., New Orleans, La. Suits, coats, pants, etc. Serial No. 391,067; June 1. Class 39.

Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned fruit juices for beverage purposes. Serial No. 391,125; June 1. Class 45.

Hepworth & Grandage Limited, Bradford, England. Rough metal castings. Serial No. 389,734; June 1. Class 14.

Hill-Independent Mfg. Co., Germantown, Philadelphia, Pa. Hand-stamps. Serial No. 387,067; June 1. Class 37.

Hollywood Silk Mills, Los Angeles, Calif. Panties, step-in girdles and trunks. Serial No. 386,369; June 1. Class 39.

Houseman, Reuben F., Los Angeles, Calif. Poison oak preparation. Serial No. 391,223; June 1. Class 6.

Hudson Valley Wine Company, Inc., Highland, N. Y. Wines. Serial No. 390,918; June 1. Class 47.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 390,919; June 1. Class 39.

Jackson Brewing Company, New Orleans, La. Beer. Serial No. 387,670; June 1. Class 48.

Kahn, Arthur, Co., Inc., New York, N. Y. Piece goods. Serial No. 389,134; June 1. Class 42.

Kaplan Bros., doing business as The O. K. Knee Pants Co., New York, N. Y. Men's trousers and boys' suits and trousers. Serial No. 391,327; June 1. Class 39.

Kurtz Bros., Clearfield, Pa. Pencil tablets, composition books and note books. Serial No. 388,840; June 1. Class 37.

Little, Perry H., doing business as Delite Products Company, Los Angeles, Calif. Hair nets, wave caps, veils, etc. Serial No. 391,078; June 1. Class 42.

Locktite Co., Inc., The, Gloversville, N. Y. Tobacco pouches. Serial No. 390,460; June 1. Class 8.

Lopedota, Philip, doing business as A. & Ph. Lopedota & Son, Brooklyn, N. Y. Green sauce. Serial No. 368,042; June 1. Class 46.

Ludford Fruit Products, Inc., Los Angeles, Calif. Non-alcoholic beverages. Serial No. 391,135; June 1. Class 45.

Macy, R. H., & Co., Inc., New York, N. Y. Women's hats and shoes. Serial No. 390,658; June 1. Class 39.

Maid-O'-Mist, Inc., Chicago, Ill. Automatic liquid level control water feed. Serial No. 376,289; June 1. Class 13.

Marbon Corporation, Chicago, Ill. Tile flooring. Serial No. 391,140; June 1. Class 12.

Massielo, James, doing business as Ragu Packing Co., Rochester, N. Y. Spaghetti sauce. Serial No. 390,703; June 1. Class 46.

Maynard, Forest J., doing business as Forest J. Maynard Co., San Francisco, Calif. Canned fruits, canned vegetables. Serial No. 387,196; June 1. Class 46.

McCall, Lottie L., Biloxi, Miss. Dolls. Serial No. 390,573; June 1. Class 22.

McMullin, Harry E., New York, N. Y. Analgesic balm, headache and neuralgia preparations, bay rum, etc. Serial No. 389,841; June 1. Class 6.

Merco Nordstrom Valve Company, Pittsburgh, and Homewood, Pittsburgh, Pa. Plug valves. Serial No. 388,273; June 1. Class 13.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Laxative product in dry form. Serial No. 390,525; June 1. Class 6.

Midway Chemical Co., Chicago, Ill., assignor to Wizard, Inc. Stove polish, shoe cleaner and polish, wall paper cleaner, etc. Serial No. 381,233; June 1. Class 4.

N. F. T. & Co. (See Faltz, Narcissus.)

Natalie Louise Certified Cosmetics. (See Picker, Sidney.)

National Games Company. (See Farrell, Sydney T.)

National Union Radio Corporation, Newark, N. J. Electron tubes. Serial No. 391,191; June 1. Class 21.

Neville Company, The, Neville Island, Pa. Prepared floor tile base material. Serial No. 390,800; June 1. Class 1.

Nutmeg Club Beverage Company, New London, Conn. Beverages, and syrups, extracts, and flavors used in making the same. Serial No. 390,278; June 1. Class 45.

Nu West Fur Dyeing Corp., Brooklyn, N. Y. Fur skins and parts thereof. Serial No. 378,703; June 1. Class 1.

O. K. Knee Pants Co., The. (See Kaplan Bros.)

Original Julius Marcus Laboratories, Inc., Jersey City, N. J. Gin, sloe gin, rock and rye, etc. Serial No. 390,231; June 1. Class 49.

Paragon Oil Company, Inc., Brooklyn, N. Y. Automobile and furniture polish. Serial No. 390,234; June 1. Class 16.

Paragon Oil Company, Inc., Brooklyn, N. Y. Solvent products in the nature of a dry cleaning preparation. Serial No. 390,236; June 1. Class 4.

Pearson, Andrew R., and R. S. Allen, Washington, D. C. News columns and special articles. Serial No. 390,527; June 1. Class 38.

Petri Cigar Co., doing business as Petri Wine Company, San Francisco, Calif. Wines. Serial No. 391,087; June 1. Class 47.

Philadelphia Inquirer Company, The, Philadelphia, Pa. Newspaper section. Serial No. 384,401; June 1. Class 38.

Phillips, Ed., & Sons Company, Minneapolis, Minn. Whiskey. Serial No. 390,745; June 1. Class 49.

Picker-Linz Importers, Inc., New York, N. Y. Wines. Serial No. 390,707; June 1. Class 47.

Picker, Sidney, doing business as Natalie Louise Certified Cosmetics, New York, N. Y. Skin cleansing milk, sunburn lotion, shampoo, etc. Serial No. 380,156; June 1. Class 6.

Platinum Products Corp., New York, N. Y. Fluids for lighters. Serial No. 390,468; June 1. Class 6.

Poe, C. W., Company, The, Cleveland, Ohio. Thermal insulating material, insulating cement, insulating bats, etc. Serial No. 389,660; June 1. Class 12.

Polan, Katz and Company, Baltimore, Md. Umbrellas. Serial No. 390,664; June 1. Class 41.

Pollinger, Morris D., doing business as M. D. Pollinger Co., Stamford, Conn. Stands for displaying shoes. Serial No. 390,134; June 1. Class 50.

Pressla & Bernstein, New York, N. Y. Blouses, dresses, scarves, etc. Serial No. 390,606; June 1. Class 39.

Princess Pecans, Albany, Ga. Nuts. Serial No. 389,472; June 1. Class 46.

Publicker, Inc., Philadelphia, Pa. Carbon removing compound. Serial No. 390,666; June 1. Class 6.

Quaker Oats Company, The, Chicago, Ill. Breakfast cereals. Serial No. 391,398; June 1. Class 46.

Quaker Oats Company, The, Chicago, Ill. Poultry feeds. Serial No. 391,399; June 1. Class 46.

Raceway Oil Co. (See Haigh, Janet J.)

Ragu Packing Co. (See Massielo, James.)

Remington Rand Inc., Buffalo, N. Y. Indexed records, record holders, blank and printed cards, etc. Serial No. 390,866; June 1. Class 37.

Republic Flow Meters Company, Chicago, Ill. Charts for recording instruments. Serial No. 389,900; June 1. Class 26.

Rheingold Cheese Company, Chicago, Ill. Cheese spread. Serial No. 390,746; June 1. Class 46.

Rice-Friedman Co., Milwaukee, Wis. Overcoats for boys and women. Serial No. 388,595; June 1. Class 39.

Richeson Company, Inc., New York, N. Y. Combination machines, and parts of such machines. Serial No. 387,925; June 1. Class 23.

Roberts, Columbus, Ohio. Fur coats, fur neck pieces, cloth coats, etc. Serial No. 390,185; June 1. Class 39.

Ruppert, Jacob, New York, N. Y. Beer. Serial No. 390,970; June 1. Class 48.

Ryberg, Bebe, San Francisco, Calif. Hair tonic. Serial No. 387,210; June 1. Class 6.

Salsbury Corporation, Los Angeles, Calif. Motor scooters. Serial No. 389,797; June 1. Class 19.

San Fernando Heights Orange Assn., San Fernando, Calif. Fresh citrus fruit. Serial No. 391,492; June 1. Class 46.

Sayles Finishing Plants, Inc., Saylesville, R. I. Piece goods. Serial No. 390,560; June 1. Class 42.

Scatena-Galli Fruit Co., San Francisco, Calif. Fresh fruits and vegetables. Serial No. 390,561; June 1. Class 46.

Schutter Candy Company, Chicago, Ill. Candy. Serial No. 390,673; June 1. Class 46.

Scovill Manufacturing Company, Waterbury, Conn. Snap fasteners. Serial No. 390,139; June 1. Class 40.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Security Mills, Inc., New York, N. Y. Fabrics in the piece. Serial No. 390,150; June 1. Class 42.

Seminole Flavor Company, Chattanooga, Tenn. Beverages, and syrups for compounding the same. Serial No. 390,249; June 1. Class 45.

Shelton Textile Fabric Co., Shelton, Conn. Shoulder straps, narrow elastics, and elastic braids. Serial No. 389,889; June 1. Class 40.

Simon, Jacob H., doing business as Clor-O-Clean Chemical Company, Chicago, Ill. General household cleaning preparation. Serial No. 387,092; June 1. Class 4.

Slavin, J. Edward, doing business as Sheriff J. Edward Slavin, New Haven, Conn. Series of dramatizations published as a script. Serial No. 387,599; June 1. Class 38.

Snyder, Theodore J., San Diego, Calif. Rolls. Serial No. 390,332; June 1. Class 46.

Società Anonima Snia-Viscosa, Società Nazionale Industria Applicazioni Viscosa, The, Turin, Italy. Artificial textile fibres. Serial No. 387,880; June 1. Class 1.

Societe Vinicole de Pauillac (Société Anonyme), Pauillac, France. Still wines. Serial No. 390,819; June 1. Class 47.

Society of Chemical Industry in Basle, Basel, Switzerland. Chemical products for use as auxiliary agents in the textile industry. Serial No. 390,473; June 1. Class 6.

Society of Chemical Industry in Basle, Basel, Switzerland. Diuretic. Serial No. 390,563; June 1. Class 6.

Soft-Lite Lens Company Inc., New York, N. Y. Ophthalmic lenses and lens blanks. Serial No. 379,264; June 1. Class 26.

Sotiro, Gregory G., doing business as Yemen House Coffee Roasters, New York, N. Y. Coffee. Serial No. 390,385; June 1. Class 46.

Steinfeld Blouses, Inc., New York, N. Y. Ladies' and misses' blouses and dresses. Serial No. 388,691; June 1. Class 39.

Stetson, John B., Company, Philadelphia, Pa. Processing fluid. Serial No. 390,533; June 1. Class 6.

Supreme Reducing Mayonnaise Company, Boston, Mass. Mayonnaise and salad dressing. Serial No. 390,677; June 1. Class 46.

Swan-Finch Oil Corporation, New York, N. Y. Lubricating oils. Serial No. 390,388; June 1. Class 15.

Texas Infants Dress Co., Inc., San Antonio, Tex. Dresses, sunsuits, play suits, etc. Serial No. 391,257; June 1. Class 39.

Timken-Detroit Axle Company, The, Detroit, Mich. Mechanical gears. Serial No. 377,723; June 1. Class 23.

Tivoli Brewing Company, Detroit, Mich. Bock beer. Serial No. 390,824; June 1. Class 48.

Todd, Rutherford P., New York, N. Y. Pillows and cushions. Serial No. 389,804; June 1. Class 32.

Toomey's Mills, Newcastle, Wyo. Pancake flour. Serial No. 389,623; June 1. Class 46.

Triangle Mechanical Laboratories Corp., New York, N. Y. Safety razor blades. Serial No. 391,292; June 1. Class 23.

Turco Products, Inc., Los Angeles, Calif. Cleaning preparations. Serial Nos. 387,408–9; June 1. Class 4.

United States Radiator Corporation, Detroit, Mich. Heating radiators and coal, oil, gas, and electric boilers. Serial No. 389,808; June 1. Class 34.

Universal Controls, Inc., Long Island City, N. Y. Stampings, castings, machined parts, gears, etc. Serial No. 389,957; June 1. Class 21.

Vichette Company, Cincinnati, Ohio. Tablets for making artificial vichy. Serial No. 390,760; June 1. Class 6.

Volcanic Products Corporation, Chicago, Ill. Raw volcanic material and volcanic scoria. Serial No. 387,300; June 1. Class 1.

Weisbaum Bros: Brower Company, The, Cincinnati, Ohio. Neckties. Serial No. 389,665; June 1. Class 39.

Wesselton Diamond Co. Inc., New York, N. Y. Diamonds, gems, precious stones, etc. Serial No. 389,341; June 1. Class 28.

Western Laboratories, Seattle, Wash. Asthma and hay fever medicine. Serial No. 391,504; June 1. Class 6.

Weston, George, Limited, Passaic, N. J. Crackers. Serial No. 389,582; June 1. Class 46.

White Cross Inc., Perth Amboy, N. J. Furniture. Serial No. 388,878; June 1. Class 32.

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Flexible shafting. Serial No. 390,889; June 1. Class 23.

White & Wyckoff Mfg. Company, Holyoke, Mass. Writing tablets, composition books, and note-books. Serial No. 389,286; June 1. Class 37.

Wilson-Jones Company, Chicago, Ill. Loose leaf binders, indexes, and component parts thereof. Serial No. 390,614; June 1. Class 37.

Wind-King Electric Manufacturing Company, Merrill, Iowa. Wind-driven generating plants for generating electric current. Serial No. 390,881; June 1. Class 21.

Winthrop Chemical Company, Inc., New York, N. Y. Chemotherapeutic agent. Serial No. 391,363; June 1. Class 6.

Wizard, Inc. (See Midway Chemical Co., assignor.)

Wolbarsht, S., doing business as S. Wolbarsht & Co., Baltimore, Md. Suits, coats, vests, etc. Serial No. 391,255; June 1. Class 39.

Yemen House Coffee Roasters. (See Sotiro, Gregory G.)

Young, J. & A., Inc., Brooklyn, N. Y. Polo shirts. Serial No. 390,571; June 1. Class 39.

Yudin Brothers, New York, N. Y. Sheets and pillow cases. Serial No. 389,491; June 1. Class 42.

Zelko and Kimpel, Baltimore, Md. Motion picture films, sound films. Serial No. 388,823; June 1. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

Albers Bros. Milling Co., San Francisco, Los Angeles, Sacramento, Oakland, Riverside, Fresno, and San Jose, Calif.; Seattle, Tacoma, and Spokane, Wash., and Portland, Oreg. Poultry feeds. 346,658; June 1; Serial No. 388,298; published Mar. 23, 1937. Class 46.

Almar Chemical Co. (See Poll, David.)

American Automatic Devices Co., Chicago, Ill. Vehicle and roadside safety reflecting signals and lamp and signal reflectors and lenses. 346,686; June 1. Class 34.

American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Building bricks, adobe bricks. 346,637; June 1; Serial No. 387,933; published Mar. 23, 1937. Class 12.

American Polytect Corporation, New York, N. Y. Composition adapted to be applied to walls or objects to form a coating thereon. 346,531; June 1; Serial No. 383,457; published Mar. 23, 1937. Class 12.

Armour and Company of Delaware. (See Babbitt, B. T., assignor.)

Ash, Jacob, doing business as Ash's, New York, N. Y. Women's fur coats. 346,537; June 1; Serial No. 383,867; published Mar. 23, 1937. Class 39.

Ash's. (See Ash, Jacob.)

Ashworth Advertising Company, Incorporated, New York, N. Y. Shaving cream. 346,599; June 1; Serial No. 387,363; published Mar. 23, 1937. Class 4.

Atlanta Paper Company, Atlanta, Ga. Paper bags and boxes. 346,639; June 1; Serial No. 387,971; published Mar. 23, 1937. Class 2.

Auto-Rapid Products Corporation, New York, N. Y. Automobile tops. 346,566; June 1; Serial No. 386,566; published Mar. 23, 1937. Class 19.

B & L Laboratories, Inc., Chicago, Ill. Saponaceous material. 346,554; June 1; Serial No. 385,773; published Mar. 30, 1937. Class 4.

Babbitt, B. T., Jersey City, N. J., and New York, N. Y., assignor to Armour and Company of Delaware, Chicago, Ill. Soap powder. 118,615; renewed Sept. 25, 1937.

Baff, Lawrence W., Brooklyn, N. Y. Chemical compound for cleaning metal, etc. 346,501; June 1; Serial No. 372,758; published Mar. 30, 1937. Class 4.

Bancroft, Joseph, & Sons Co., Rockford, Wilmington, Del. Cotton piece goods. 346,635; June 1; Serial No. 388,255; published Mar. 23, 1937. Class 42.

Bar & Grill Publications Inc., New York, N. Y. Periodical. 346,575; June 1; Serial No. 386,977; published Mar. 23, 1937. Class 38.

Barionette Company, Inc., Long Island City, N. Y. Ornamental receptacles. 346,600–03; June 1; Serial Nos. 387,364–7; published Mar. 23, 1937. Class 2.

Berger, Mannie. (See Driwood Corporation, assignor.)

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Woven textile rugs and carpets. 346,675; June 1. Class 42.

Bird & Son, Inc., East Walpole, Mass. Floor covering. 346,614; June 1; Serial No. 388,668; published Mar. 23, 1937. Class 20.

Bird & Son, Inc., East Walpole, Mass. Floor covering. 346,663; June 1; Serial No. 388,559; published Mar. 23, 1937. Class 20.

Bireley's, Inc., Hollywood, Calif. Beverages and syrups, extracts and concentrates used in making the same. 346,640; June 1; Serial No. 387,980; published Mar. 23, 1937. Class 45.

Black Flag Company, The, Baltimore, Md. Insecticides. 346,648; June 1; Serial No. 388,118; published Mar. 23, 1937. Class 6.

Blumenthal, Sidney, & Co. Inc., assignor, by mesne assignments, to Sidney Blumenthal & Co. Inc., New York, N. Y. Pile fabrics. 117,984–6; renewed Aug. 14, 1937.

Borden, S. S., Company, Chicago, Ill. Butter and eggs. 117,408; renewed July 10, 1937.

Boyle, John G., Saginaw, Mich. Cleansing cream, tissue builder, astringent cream, etc. 346,503; June 1; Serial No. 373,556; published Mar. 16, 1937. Class 6.

Braun, Geo. P., Company, Chicago, Ill. Lard compound. 117,411; renewed July 10, 1937.
Braun, Geo. P., Company, Chicago, Ill. Lard substitute. 117,514; renewed July 17, 1937.
Bronx Mineral Water Co., Inc., New York, N. Y. Beverages, and for syrups, extracts, and flavors used in making the same. 346,534; June 1; Serial No. 383,767; published Nov. 24, 1936. Class 45.
Canfield Oil Company, The, Cleveland, Ohio. Oil soap. 346,521; June 1; Serial No. 381,257; published Mar. 23, 1937. Class 4.
Canhall. (See Salomon, Meyer J.)
Carpenter, Geo. B., & Company, Chicago, Ill. Manila rope and cordage. 118,272; renewed Aug. 28, 1937.
Carswell, Firman L., Manufacturing Company, The, Kansas City, Kans. Machines for treating crank case oil. 346,681; June 1. Class 23.
Cheltenham and Company. (See National Silver Company.)
Chicago Pharmacal Co., Chicago, Ill. Cough syrup. 346,613; June 1; Serial No. 387,657; published Mar. 16, 1937. Class 6.
Children's House, The. (See Wheeler, Ruth S.)
Civic Activities Association, Rockford, Ill. Publications and periodicals. 346,496; June 1; Serial No. 368,401; published Mar. 23, 1937. Class 38.
Clark Equipment Company. (See Frost Gear and Forge Company, assignor.)
Clicquot Club Company, Millis, Mass. Beverages and syrups, extracts, and flavors used in making the same. 346,641; June 1; Serial No. 387,986; published Mar. 23, 1937. Class 45.
Club Razor & Blade Manufacturing Corporation, Newark, N. J. Razor blades. 346,656; June 1; Serial No. 388,259; published Mar. 23, 1937. Class 23.
Colgate & Co., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Mouthwashes and dental washes. 118,000; renewed Aug. 14, 1937.
Colgate & Co., Jersey City, N. J., and New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet waters, handkerchief extracts, perfumed powders and sachets; 118,750; renewed Oct. 2, 1937.
Colgate-Palmolive-Peet Company. (See Crystal Soap Company, assignor.)
Colgate-Palmolive-Peet Company, Jersey City, N. J. Industrial alkali. 346,512; June 1; Serial No. 377,302; published Mar. 16, 1937. Class 6.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 346,679; June 1. Class 4.
Comar Remedy Company, to Ora L. Spahr, doing business as Comar Remedy Company, Hot Springs, Ark., successor. Blood remedy. 116,824; renewed May 29, 1937.
Concrete Engineering Company, Omaha, Nebr. Structural iron and steel building materials. 118,162; renewed Aug. 21, 1937.
Coopers, Incorporated, Kenosha, Wis. Swim trunks. 346,622; June 1; Serial No. 387,778; published Mar. 23, 1937. Class 39.
Cosmopolitan Manufacturing Co., Inc., Cambridge, Mass. Raincoats, vests, jackets, etc. 346,553; June 1; Serial No. 385,662; published Mar. 23, 1937. Class 39.
Cowles Detergent Company, The, Cleveland, Ohio. Detergent composition. 346,605; June 1; Serial No. 387,498; published Mar. 23, 1937. Class 4.
Crescent Bed Company, Ltd., New Orleans, La. Iron and brass beds, cribs, bed-springs, and cots. 118,863; renewed Oct. 9, 1937.
Crowell Publishing Company, The, New York, N. Y. Magazine column. 346,580; June 1; Serial No. 387,116; published Mar. 23, 1937. Class 38.
Crown Cork & Seal Company, Inc., Baltimore, Md. Machinery for conveying containers, etc., and parts of such machines, etc. 346,587; June 1; Serial No. 387,269; published Mar. 23, 1937. Class 23.
Crystal Soap Company, Milwaukee, Wis., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soaps. 118,955; renewed Oct. 16, 1937.
Davies Air Filter Corporation, New York, N. Y. Forced draft ventilators and air filters therefor. 346,674; June 1. Class 34.
De Falco, L. E., doing business as Italian Importing Co., San Diego, Calif. Wine. 346,513; June 1; Serial No. 377,974; published Oct. 13, 1936. Class 47.
Derris, Inc., New York, N. Y. Liquid rubless floor wax and furniture polish. 346,659; June 1; Serial No. 388,391; published Mar. 23, 1937. Class 16.
Detwiller & Street Fireworks Manufacturing Company, Inc., by merger to Unexcelled Manufacturing Company, Inc., New York, N. Y. Fireworks. 116,605; renewed May 15, 1937.
Detwiller & Street Fireworks Manufacturing Company, by merger to Unexcelled Manufacturing Company, Inc., New York, N. Y. Fireworks. 116,607; renewed May 15, 1937.
Detwiller & Street Fireworks Manufacturing Company, by merger to Unexcelled Manufacturing Company, Inc., New York, N. Y. Fireworks. 117,531; renewed July 17, 1937.
DeWitt-Seitz Co., Duluth, Minn. Mattresses. 346,593; June 1; Serial No. 387,304; published Mar. 23, 1937. Class 32.
Dictograph Products Company, Inc., New York, N. Y. Hearing aids and audible signal making attachments for hearing aid devices. 346,606; June 1; Serial No. 387,499; published Mar. 23, 1937. Class 44.
Disston, Henry, & Sons, Incorporated, Tacony, Philadelphia, Pa. Cutters and cutter heads for wood working machines. 346,690; June 1. Class 23.
Ditto, Incorporated, Chicago, Ill. Book series. 346,540; June 1; Serial No. 384,701; published Mar. 23, 1937. Class 38.
Ditto, Incorporated, Chicago, Ill. Liquid and cake soap and typewriter type and platen cleaner. 346,555; June 1; Serial No. 385,836; published Mar. 30, 1937. Class 4.
Drexel Blade Company. (See Spors, Frank.)
Driwood Corporation, assignor to Mannie Berger, New York, N. Y. Partitions, doors, wood molding, and wood trim. 346,530; June 1; Serial No. 383,354; published Mar. 23, 1937. Class 12.
Easley, Delbert B., Bartlesville, Okla. Medicinal preparation. 346,538; June 1; Serial No. 384,373; published Mar. 16, 1937. Class 6.
Eastern Battery Corp., Boston, Mass. Automobile batteries. 346,588; June 1; Serial No. 387,272; published Mar. 23, 1937. Class 21.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic cameras and films. 346,647; June 1; Serial No. 388,092; published Mar. 23, 1937. Class 26.
Econ-O-Heat Burner & Boiler Co. (See Wagle, Lewis S.)
Elgin National Watch Company, Chicago, to Elgin National Watch Company, Elgin, Ill. Watches and watch-movements. 118,762; renewed Oct. 2, 1937.
Elgin National Watch Company, Chicago, to Elgin National Watch Company, Elgin, Ill. Watches and watch-movements. 119,061; renewed Oct. 23, 1937.
Embossing Company, The, Albany, N. Y. Luck pieces and tokens. 346,509; June 1; Serial No. 375,242; published June 23, 1936. Class 50.
Empire Paint Company. (See Glidden Company, The.)
Enameled Steel Sign Company, Chicago, Ill. Mechanical steel signs. 346,522; June 1; Serial No. 381,356; published Mar. 23, 1937. Class 50.
Enduro-Tex Company, Los Angeles, Calif. General utility bags. 346,676; June 1. Class 2.
Enterprise Manufacturing Company of Pennsylvania, The, Philadelphia, Pa. Vegetable and fruit juice extractors. 346,653; June 1; Serial No. 388,230; published Mar. 23, 1937. Class 23.
Enterprise Manufacturing Company, The, Akron, Ohio. Artificial fish bait. 346,669; June 1; Serial No. 388,771; published Mar. 23, 1937. Class 22.
Eppens, Smith Company, Inc., New York, N. Y. Tea balls and tea. 346,642; June 1; Serial No. 387,994; published Mar. 23, 1937. Class 46.
Eveready Oil Co., Inc., Philadelphia, Pa. Oil burners. 346,695; June 1. Class 34.
Fairplay Knitting Mills. (See Stoumen, Bernard.)
Fisk Rubber Company, The, assignor to The Fisk Rubber Corporation, Chicopee Falls, Mass. Rubber tires. 116,736; renewed May 22, 1937.
Flintkote Company, The, New York, N. Y. Mineral wool or similar thermal insulation material. 346,577; June 1; Serial No. 387,036; published Mar. 23, 1937. Class 12.
Flynn, Elizabeth, Preparations Inc., New York, N. Y. Cosmetics, lotions and toilet preparations. 346,688; June 1. Class 6.
Food Products Co. of America, Chicago, Ill. Dried beans and baking powder. 346,570; June 1; Serial No. 386,728; published Mar. 16, 1937. Class 46.
Friedman, J., & Co., New York, N. Y. Coats, vests, pants, etc. 346,594; June 1; Serial No. 387,321; published Mar. 23, 1937. Class 39.
Fawcett Publications, Inc., Greenwich, Conn. Magazines. 346,616; June 1; Serial No. 387,700; published Mar. 16, 1937. Class 38.
Fine Arts Association, Chicago, Ill. Portraits, paintings, pictures, etc. 346,634; June 1; Serial No. 387,895; published Mar. 23, 1937. Class 38.
Florin, Philip, Inc., New York, N. Y. Traveling cases. 346,547; June 1; Serial No. 385,477; published Mar. 23, 1937. Class 3.
Fox, Samuel, New York, N. Y. Ladies' sport shirts, play suits, blouses, and pajamas. 346,625; June 1; Serial No. 387,823; published Mar. 23, 1937. Class 39.
Frost Gear and Forge Company, Jackson, assignor to Clark Equipment Company, Buchanan, Mich. Gears and gear forgings. 346,549; June 1; Serial No. 385,576; published Mar. 23, 1937. Class 23.
Fruit Products Corporation, Belleville, N. J. Cherries in glass containers. 346,499–500; June 1; Serial Nos. 372,472–3; published Mar. 23, 1937. Class 46.
Garfield, Isidor Z., doing business as Garfield & Co., New York, N. Y. Seidlitz powders. 346,689; June 1. Class 6.
General Chemical Company, New York, N. Y. Insecticides and preparations for control of plant pests. 346,581; June 1; Serial No. 387,120; published Mar. 2, 1937. Class 6.
General Illumination Engineering Company, The, Cincinnati, Ohio. Light directions for interior electric lighting fixtures. 346,508; June 1; Serial No. 375,231; published Mar. 23, 1937. Class 34.

Giannola, Vito, doing business as Super Nu-Wash Cleanser Co., St. Louis, Mo. General cleaning compound. 346,569; June 1; Serial No. 386,679; published Mar. 9, 1937. Class 4.
Glidden Company, The, doing business as Empire Paint Company, Cleveland, Ohio. Paints, paint enamels, varnishes, etc. 346,510; June 1; Serial No. 376,181; published June 9, 1937. Class 16.
Goldman, Isaac E., doing business as Parrot Distributing Company, Des Moines, Iowa. Film view toy. 346,662; June 1; Serial No. 388,499; published Mar. 23, 1937. Class 22.
Gorton, George, Machine Company, Racine, Wis. Vertical milking machines. 346,527; June 1; Serial No. 382,556; published Nov. 24, 1936. Class 23.
Goshen Manufacturing Co., The, Goshen, Ind. Settees. 346,673; June 1. Class 32.
Green, Charles A., Philadelphia, Pa. Lubricating grease dispensing apparatus. 346,548; June 1; Serial No. 385,480; published Mar. 23, 1937. Class 23.
Grocers' Spotlight, The, Detroit, Mich. Periodical. 346,615; June 1; Serial No. 387,691; published Mar. 16, 1937. Class 38.
Guerlain Perfumery Corporation of Delaware, Wilmington, Del., and New York, N. Y. Perfumes, toilet water, vegetable lotion, etc. 346,589; June 1; Serial No. 387,275; published Mar. 16, 1937. Class 6.
Hagan Corporation, Pittsburgh, Pa. Temperature measuring and controlling devices. 346,517; June 1; Serial No. 378,785; published Mar. 23, 1937. Class 26.
Handcraft Import Co., Inc., New York, N. Y. Children's dresses and blouses. 346,541; June 1; Serial No. 384,746; published Mar. 23, 1937. Class 39.
Harbor Plywood Corporation, Hoquiam, Wash. Plywood. 346,626; June 1; Serial No. 387,828; published Mar. 23, 1937. Class 12.
Harris & Ewing, Washington, D. C. Photographs. 346,571; June 1; Serial No. 386,803; published Mar. 23, 1937. Class 38.
Harrison, Graeme, Products, Inc., New York, N. Y. Adhesive tapes. 346,523–5; June 1; Serial No. 381,452–4; published Mar. 23, 1937. Class 5.
Harrison, Graeme, Products, Inc., New York, N. Y. Adhesive tapes. 346,523–5; June 1; Serial Nos. 381,452–4; published Mar. 23, 1937. Class 5.
Heller, B., & Company, Chicago, Ill. Bedbug destroyer. 346,582; June 1; Serial No. 387,128; published Mar. 16, 1937. Class 6.
Hellick, Geo. F., Coffee Company, The, Easton, Pa. Tea. 346,604; June 1; Serial No. 387,440; published Mar. 23, 1937. Class 46.
Hoffman, J. S., Company, Chicago, Ill. Cheese. 116,318–20; renewed Apr. 24, 1937.
Holyoke Heater Company, Holyoke, Mass. Luminous gas flame burners and parts thereof. 346,539; June 1; Serial No. 384,465; published Mar. 23, 1937. Class 34.
Hoosier Bait Company, Kokomo, Ind. Fishing line floats. 346,665; June 1; Serial No. 388,642; published Mar. 23, 1937. Class 22.
Hughes, Alice, New York, N. Y. Newspaper column or department. 346,630–1; June 1; Serial Nos. 387,868–9; published Mar. 23, 1937. Class 38.
Huppert, Max, Putnam, Conn. Light wines. 346,511; June 1; Serial No. 376,996; published Mar. 23, 1937. Class 47.
Indestructible Pearl Bead Makers Inc., New York, N. Y. Jewelry. 346,562; June 1; Serial No. 386,428; published Mar. 23, 1937. Class 28.
Italian Importing Co. (See De Falco, L. E.)
Janesville Barb Wire Company, to Janesville Fence & Post Company, Janesville, Wis., successor. Metal fence-posts. 110,174; renewed May 9, 1936.
Jelke, John F., Company, Chicago, Ill. Oleomargarin. 117,153; renewed June 19, 1937.
Jelke, John F., Company, Chicago, Ill. Oleomargarin. 117,871; renewed Aug. 7, 1937.
Jelke, John F., Company, Chicago, Ill. Oleomargarin. 118,534; renewed Sept. 18, 1937.
Johnson & Johnson, New Brunswick, N. J. Waxen preparation used as a dressing for burns. 117,333; renewed July 3, 1937.
Kentucky Boone Coal Company, Chicago, Ill. Coal. 346,584–5; June 1; Serial Nos. 387,190–1; published Mar. 23, 1937. Class 1.
Kesler, Robert, New Hope, Pa. Cards bearing letters and adapted for use in playing a game like lotto. 346,617; June 1; Serial No. 387,705; published Mar. 23, 1937. Class 22.
King Features Syndicate, Inc., New York, N. Y. Newspaper section. 118,975; renewed Oct. 16, 1937.
Klotzman, A., Baltimore, assignor to Maryland Distillery, Incorporated, Relay, Md. Whiskey. 346,504–6; June 1; Serial Nos. 373,793–5; published Mar. 23, 1937. Class 49.
Knott, Wm. T., Company, Inc., New York, N. Y. Curtains and woven, knitted, netted, and textile and pile fabrics. 346,515; June 1; Serial No. 378,405; published Mar. 23, 1937. Class 42.
Laucks, I. F., Inc., Seattle, Wash. Plywood and veneer. 346,572; June 1; Serial No. 386,808; published Mar. 16, 1937. Class 12.
Lavino, E. J., and Company, Philadelphia, Pa. Refractory bricks, refractory plastics, and refractory cements. 346,643; June 1; Serial No. 388,009; published Mar. 23, 1937. Class 12.
Lentheric, Incorporated, New York, N. Y. Skin protecting and beautifying preparation. 346,595; June 1; Serial No. 387,329; published Mar. 16, 1937. Class 6.
LeSage, Grover N., Coffeyville, Kans. Bread. 346,550; June 1; Serial No. 385,590; published Mar. 16, 1937. Class 46.
Lion Corporation, The, Buffalo, N. Y. Hosiery. 346,573; June 1; Serial No. 386,899; published Mar. 23, 1937. Class 39.
Ljusne-Woxna Aktiebolag, Ljusne, Sweden. Cutlery, machinery, and tools and parts thereof. 118,055; renewed Aug. 14, 1937.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Crackers, biscuits, and cakes. 346,596; June 1; Serial No. 387,336; published Mar. 23, 1937. Class 46.
Lo Presti Food Products Co., Chicago, Ill. Edible oils. 346,564; June 1; Serial No. 386,544; published Mar. 23, 1937. Class 46.
Ludgates, Ltd., New York, N. Y. Clothing and accessories. 346,623; June 1; Serial No. 387,792; published Mar. 23, 1937. Class 39.
Malcolm & Engel, New York, N. Y. Women's, misses', and children's hats and caps, scarfs, etc. 346,507; June 1; Serial No. 373,861; published Mar. 23, 1937. Class 39.
Maley, Charles E., Little York, to Charles E. Maley, Gilson, Ill. Liniments and remedies for bruises, sores, etc. 118,424; renewed Sept. 4, 1937.
Mann Food Corporation, The, Newton Center, Mass. Baked beans. 346,495; June 1; Serial No. 367,669; published Mar. 23, 1937. Class 46.
Martin, John M. (See Peptoline Chemical Co.)
Marvel Company, The, New Haven, Conn. Fountain and douche syringes. 346,664; June 1; Serial No. 388,617; published Mar. 23, 1937. Class 44.
Maryland Distillery, Incorporated. (See Klotzman, A., assignor.)
Mead Johnson & Company, Evansville, Ind. Combination screw caps and droppers for bottles. 346,627; June 1; Serial No. 387,833; published Mar. 23, 1937. Class 50.
Merck & Co. Inc., Rahway, N. J. Medicines. 346,624; June 1; Serial No. 387,795; published Mar. 23, 1937. Class 6.
Merrell, William S., Chemical Company, The, by change of name to The Wm. S. Merrell Company, Cincinnati, Ohio. Pine-oil antiseptic. 116,537; renewed May 8, 1937.
Merriam, G. & C., Company, Springfield, Mass. Books. 346,557; June 1; Serial No. 385,987; published Mar. 16, 1937. Class 38.
Michelson, L., & Bro., Baltimore, Md. Cigars. 118,985; renewed Oct. 16, 1937.
Michigan Steel Casting Company, Detroit, Mich. Conveyor rolls and rollers for all types of conveyors, rolls for glass working machinery, tube rolls for paper machines, etc. 346,546; June 1; Serial No. 385,375; published Mar. 23, 1937. Class 23.
Mid-Kent Products Co., The, Larkfield, England. Polish for motor-cars, furniture, and finished wood surfaces. 346,590; June 1; Serial No. 387,284; published Mar. 23, 1937. Class 16.
Midland Sales Company, Providence, R. I. Fluid seals. 346,576; June 1; Serial No. 387,002; published Mar. 23, 1937. Class 35.
Midland Sales Company, Providence, R. I. Bearings. 346,578; June 1; Serial No. 387,046; published Mar. 23, 1937. Class 23.
Midway Chemical Co., Chicago, Ill. Water-proofing compounds. 346,563; June 1; Serial No. 386,438; published Mar. 23, 1937. Class 4.
Miraflex, Inc., New Haven, Conn. Pose reflecting mirror systems. 346,644; June 1; Serial No. 388,017; published Mar. 23, 1937. Class 32.
Molly-'es Doll Outfitters, Inc., Philadelphia, Pa. Dolls' clothes. 346,532; June 1; Serial No. 383,475; published Mar. 23, 1937. Class 22.
Morgan's, Enoch, Sons Company, New York, N. Y. Detergent preparation for cleaning, etc. 118,986; renewed Oct. 16, 1937.
NEA Service, Inc. (See Newspaper Enterprise Association, The, assignor.)
National Macaroni Company, Libertyville, Ill. Macaroni, spaghetti, and noodles. 118,319; renewed Aug. 28, 1937.
National Silver Company, doing business as Cheltenham and Company, New York, N. Y. Sterling silver and silver plated flatware and hollow ware. 346,514; June 1; Serial No. 378,223; published Mar. 23, 1937. Class 28.
Neider, F. A., Company, The, Augusta, Ky. Hardware and plumbing and steam-fitting supplies. 118,804; renewed Oct. 2, 1937.
Neuschaefer, Franz, doing business as Plat-Num Laboratories, New York, N. Y. Cosmetics. 346,558; June 1; Serial No. 386,081; published Mar. 16, 1937. Class 6.
Newspaper Enterprise Association, The, assignor to NEA Service, Inc., Cleveland, Ohio. Newspaper publications. 117,698; renewed July 24, 1937.
Nickey Brothers, Inc., Memphis, Tenn. Hardwood veneer. 346,607; June 1; Serial No. 387,510; published Mar. 23, 1937. Class 12.

No-Kap Closures (U. S. A.) Inc., Providence, R. I. Nozzle closure means for containers, etc. 346,672; June 1. Class 50.

Normandie Potato Corporation, Milwaukee, Wis. Vacuum packed canned French fried potatoes. 346,542; June 1; Serial No. 384,904; published Mar. 16, 1937. Class 46.

Okanogan Growers Union, Okanogan, Wash. Fresh apples in boxes. 116,353; renewed Apr. 24, 1937.

Old Dutch Mills, Inc., New York, N. Y. Coffee, tea, and cocoa. 346,632; June 1; Serial No. 387,876; published Mar. 23, 1937. Class 46.

Pacific Amusement Manufacturing Co., Chicago, Ill. Air conditioning units. 346,685; June 1. Class 34.

Pacific Distillers, Inc., Culver City, Calif. Denatured alcohol. 346,635; June 1; Serial No. 387,918; published Mar. 23, 1937. Class 6.

Pacific Mills, Lawrence and Boston, to Pacific Mills, Boston, Mass. Clothing. 118,324; renewed Aug. 28, 1937.

Pam Pam. (See Peery, David H.)

Panther Oil & Grease Mfg. Co., Forth Worth, Tex. Paints, stains, varnish, etc. 346,678; June 1. Class 16.

Parker Brothers, Inc., Portland, Me., and Salem, Mass. Board game. 346,666; June 1; Serial No. 388,723; published Mar. 23, 1937. Class 22.

Parrot Distributing Company. (See Goldman, Isaac E.)

Peerless Handcuff Company, Springfield, Mass. Handcuffs. 346,660; June 1; Serial No. 388,463; published Mar. 23, 1937. Class 25.

Peery, David H., doing business as Pam Pam, Hollywood, Calif. Fruit juices for food purposes. 346,544; June 1; Serial No. 385,150; published Mar. 23, 1937. Class 46.

Pendergast, T. J., Wholesale Liquor Co. Inc., Kansas City, Mo. Whiskey, gin, rum, etc. 346,559; June 1; Serial No. 386,268; published Mar. 23, 1937. Class 49.

Pepsi-cola Co., The, Newbern, N. C., to Pepsi-Cola Company, Long Island City, N. Y., successor. Flavoring-syrup for soda-water. 111,508; renewed July 18, 1936.

Peptoline Chemical Co., Bessemer, Ala., to John M. Martin, Birmingham, Ala., successor. Hair-dressing ointment. 112,554; renewed Sept. 12, 1936.

Philadelphia Inquirer Company, The, Philadelphia, Pa. Newspaper column. 346,638; June 1; Serial No. 387,951; published Mar. 23, 1937. Class 38.

Pioneer Rubber Mills, San Francisco, Calif. Hose. 346,649; June 1; Serial No. 388,142; published Mar. 23, 1937. Class 35.

Plat-Num Laboratories. (See Neuschaefer, Franz.)

Poll, David, doing business as Almar Chemical Co., New York, N. Y. Castor oil laxative. 346,610; June 1; Serial No. 387,596; published Mar. 23, 1937. Class 6.

Polygon Products Company, Boston, Mass. Rust penetrant. 118,088; renewed Aug. 14, 1937.

Pratt-Low Preserving Co., Santa Clara, Calif. Canned fruits and vegetables. 116,155; renewed Apr. 10, 1937.

Professional Publications, Inc., Minneapolis, Minn. Periodical. 346,608; June 1; Serial No. 387,559; published Mar. 23, 1937. Class 38.

Prudential Knitting Mills, Philadelphia, Pa. Sweater sport coats, sweaters, bathing suits, knit scarfs. 346,592; June 1; Serial No. 387,302; published Mar. 23, 1937. Class 39.

Rabinowitz, Bernard, Fur Corporation, New York, N. Y. Fur skins. 346,560; June 1; Serial No. 386,377; published Mar. 23, 1937. Class 1.

Rallet Corporation of America, Wilmington, Del. Perfumes, toilet waters, eau de colognes, etc. 346,609; June 1; 387,560; published Mar. 23, 1937. Class 6.

Rath Packing Company, The, Waterloo, Iowa. Chili con carne. 346,696; June 1. Class 46.

Recreation Equipment Co., Denver, Colo. Table game. 346,583; June 1; Serial No. 387,143; published Mar. 23, 1937. Class 22.

Refiners Lubricating Company, Inc., New York, N. Y. Anti-freeze solution. 346,633; June 1; Serial No. 387,877; published Mar. 23, 1937. Class 6.

Reliance Electric & Engineering Company, The, Cleveland, Ohio. Direct and alternating current electric motors. 118,698; renewed Sept. 25, 1937.

Reliance Manufacturing Company, Chicago, Ill. Work shirts. 346,551; June 1; Serial No. 385,607; published Mar. 23, 1937. Class 39.

Roselle Frocks Manufacturing Co., Inc., New York, N. Y. House aprons, uniforms, smocks, etc. 364,552; June 1; Serial No. 385,608; published Mar. 23, 1937. Class 39.

Rosenberg Brothers Slipper Company, Inc., Norwalk, Conn. Shoes and slippers. 346,684; June 1. Class 39.

Rossberg, Charles, Jr., Baltimore, Md. Cream for dermato-therapeutical medication. 346,567; June 1; Serial No. 386,569; published Mar. 16, 1937. Class 6.

Rothman & Baden, Inc., New York, N. Y. Jewelry. 346,574; June 1; Serial No. 386,973; published Mar. 23, 1937. Class 28.

Ruberoid Co., The, Boundbrook, N. J., and New York, N. Y. Asbestos-cement shingles. 346,545; June 1; Serial No. 385,201; published Mar. 16, 1937. Class 12.

St. Arnauld, Albert, Detroit, Mich. Self locking container. 346,568; June 1; Serial No. 386,664; published Mar. 23, 1937. Class 12.

Salomon, Meyer J., doing business as Canhall and also as Canhall Packing Company, Chicago, Ill. Prepared food products. 346,657; June 1; Serial No. 388,280; published Mar. 23, 1937. Class 46.

Sandoz Chemical Works, Inc., New York, N. Y. Pharmaceutical preparation. 346,646; June 1; Serial No. 388,071; published Mar. 23, 1937. Class 6.

San Fernando Heights Lemon Co., Los Angeles, assignor to San Fernando Heights Lemon Association, San Fernando, Calif. Lemons, oranges, and grape-fruit. 117,205; renewed June 19, 1937.

Santa Barbara Citrus Juice Co., Inc., Orange, Calif. Imitation lemon juice. 346,535; June 1; Serial No. 383,786; published Mar. 23, 1937. Class 46.

Schwarzenbach Huber Co., The, New York, N. Y. Piece goods. 346,628; June 1; Serial No. 387,841; published Mar. 23, 1937. Class 42.

Sgobel & Day Co., Sacramento, Calif. Fresh deciduous fruits, fresh vegetables. 346,520; June 1; Serial No. 381,224; published Oct. 20, 1936. Class 46.

Shaver, H. A., Inc., Lakeland, Fla. Canned pimientos. 346,536; June 1; Serial No. 383,825; published Mar. 23, 1937. Class 46.

Sherer, Russell S., Akron, Ohio. Frozen confections. 346,654; June 1; Serial No. 388,245; published Mar. 23, 1937. Class 46.

Shotwell, William, doing business as Shotwell Products Company, Huntington, W. Va. Peanuts. 346,687; June 1. Class 46.

Siccardi Publications, Inc., Hackensack, N. J. Publication. 346,529; June 1; Serial No. 383,234; published Mar. 23, 1937. Class 38.

Sitterley, James E., New York, N. Y. Bimonthly publication. 118,824; renewed Oct. 2, 1937.

Slik Corporation of America, New York, N. Y. Chocolate syrup used for flavoring milk. 346,565; June 1; Serial No. 386,559; published Mar. 23, 1937. Class 46.

Smedley, John, Limited, Lea Mills, near Matlock, Derbyshire, England. Women's garments. 346,556; June 1; Serial No. 385,907; published Mar. 23, 1937. Class 39.

Smith, Edward G., New York, N. Y. Card games and cards for playing said games. 346,661; June 1; Serial No. 388,464; published Mar. 23, 1937. Class 22.

Spahr, Ora L. (See Comar Remedy Company.)

Spors, Frank, doing business as Spors Company and Drexel Blade Company, Le Center, Minn. Razor blades. 346,591; June 1; Serial No. 387,291; published Mar. 23, 1937. Class 23.

Squibb, E. R., & Sons, New York, N. Y. Preparations containing calcium, phosphorus, and vitamin D. 346,561; June 1; Serial No. 386,380; published Mar. 16, 1937. Class 6.

Staley Milling Company, North Kansas City and Kansas City, Mo. Milled grain products and preparations thereof. 346,528; June 1; Serial No. 382,728; published Mar. 23, 1937. Class 46.

Standard Oil Company of New Jersey, Wilmington, Del. Asphalt. 346,620; June 1; Serial No. 387,758; published Mar. 23, 1937. Class 12.

Stanley, John T., to John T. Stanley Co. Inc., New York, N. Y., successor. Nonmedicinal toilet soap. 112,823; renewed Sept. 26, 1936.

Stoumen, Bernard, doing business as Fairplay Knitting Mills, Philadelphia, Pa. Bathing suits, sweaters, and polo shirts. 346,645; June 1; Serial No. 388,033; published Mar. 23, 1937. Class 39.

Straub, W. F., & Company, Chicago, Ill. Toilet preparation. 346,598; June 1; Serial No. 387,360; published Mar. 23, 1937. Class 6.

Street & Smith Publications, Inc., New York, N. Y. Periodical. 346,636; June 1; Serial No. 387,928; published Mar. 23, 1937. Class 38.

Sunny Hills Ranch, Inc., doing business as Sunny Hills Citrus Assn., Fullerton, Calif. Fresh citrus fruit. 346,680; June 1. Class 46.

Superior Laboratories, Inc., Cleveland, Ohio. Face powder and cold cream. 346,683; June 1. Class 6.

Super Nu-Wash Cleanser Co. (See Giannola, Vito.)

Sussman, Wormser & Co., San Francisco, Calif. Fruit juices. 346,650; June 1; Serial No. 388,150; published Mar. 23, 1937. Class 45.

Swisher, Jno. H., & Son, Inc., Jacksonville, Fla. Cigars. 346,533; June 1; Serial No. 383,753; published Mar. 23, 1937. Class 17.

T and T Tooth Powder Company. (See Terrell, George B.)

Teich, Curt, & Company, Inc., Chicago, Ill. Multi-colored post-cards and pictorial illustrations. 346,543; June 1; Serial No. 385,136; published Mar. 23, 1937. Class 38.

Terrell, George B., doing business as T and T Tooth Powder Company, Flushing, N. Y. Tooth powder. 346,586; June 1; Serial No. 387,229; published Mar. 16, 1937. Class 6.

Textile Machine Works, Wyomissing, Reading, Pa. Yarn treating devices in the nature of attachments for textile machinery. 346,502; June 1; Serial No. 373,347; published Mar. 23, 1937. Class 23.

Thomasville Chair Company, Thomasville, N. C. Furniture. 346,516; June 1; Serial No. 378,595; published Mar. 23, 1937. Class 32.

Tufted Fabrics, Inc., New York, N. Y. Rugs. 346,691–4; June 1. Class 42.

Unexcelled Manufacturing Company, Inc. (See Detwiller & Street Fireworks Manufacturing Company, Inc.)

Union Oil Company of California, Los Angeles, Calif. Paint thinners and mineral spirits used as a diluent and turpentine substitute. 346,651; June 1; Serial No. 388,157; published Mar. 23, 1937. Class 16.

Union Rock Wool Corp., Wabash, Ind. Rock wool products for insulation purpose. 346,629; June 1; Serial No. 387,843; published Mar. 23, 1937. Class 12.

United States Printing and Lithograph Company, Cincinnati, Ohio. Lithographed, printed, and mechanically reproduced pictures and representations. 346,611; June 1; Serial No. 387,636; published Mar. 23, 1937. Class 38.

Vancouver Plywood & Veneer Company, Vancouver, Wash. Inlaid plywood for walls and ceilings. 346,519; June 1; Serial No. 380,166; published Mar. 23, 1937. Class 12.

Victor Mercantile Co., Los Angeles, Calif. Shirts. 346,597; June 1; Serial No. 387,358; published Mar. 23, 1937. Class 39.

Vogue Rubber Company, Chicago, Ill. Automobile tires and tubes. 346,494; June 1; Serial No. 359,823; published Mar. 23, 1937. Class 35.

Wagle, Lewis S., doing business as Econ-O-Heat Burner & Boiler Co., Metuchen, N. J. Oil burner. 346,612; June 1; Serial No. 387,637; published Mar. 23, 1937. Class 34.

Waterbury Clock Company, The, Waterbury, Conn. Watches. 346,667–8; June 1; Serial Nos. 388,738–9; published Mar. 23, 1937. Class 27.

Waterloo and Cedar Falls Union Mill Company, The, assignor to Waterloo Mills Company, Waterloo, Iowa. Wheat-flour. 118,245; renewed Aug. 21, 1937.

Webster, F. S., Company, Cambridge, Mass. Carbon paper. 346,677; June 1. Class 11.

Wesley Steel Treating Company, Milwaukee, Wis. Trade publication. 346,518; June 1; Serial No. 379,325; published Mar. 23, 1937. Class 38.

Wheeler, Ruth S., doing business as The Children's House, Boston, Mass. Children's clothing. 346,682; June 1. Class 39.

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa., New York, N. Y., Boston, Mass., Chicago, Ill., Brooklyn, N. Y., Atlanta, Ga., Cincinnati, Ohio, San Francisco and Oakland, Calif., Toronto and Montreal, Canada, and Berlin, Germany, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Chemical preparations. 116,870; renewed May 29, 1937.

Whitehead Metal Products Company of New York, Inc., New York, N. Y. Kitchen cabinets. 346,652; June 1; Serial No. 388,168; published Mar. 23, 1937. Class 32.

Whitehurst Chemical Research Corporation, New York, N. Y. Head production and retention compound. 346,618; June 1; Serial No. 387,720; published Mar. 23, 1937. Class 48.

Whitehurst Chemical Research Corporation, New York, N. Y. Beverage-clearing compound. 346,619; June 1; Serial No. 387,721; published Mar. 23, 1937. Class 48.

Williams, J. H., & Co., Buffalo, N. Y. Clamps and pipe tools. 346,579; June 1; Serial No. 387,098; published Mar. 23, 1937. Class 23.

Wolverine-Empire Refining Co., New York, N. Y. Painters' naphtha, paint thinner, turpentine substitute, etc. 346,498; June 1; Serial No. 372,122; published Sept. 8, 1936. Class 16.

Woodford County Distillery Co., Midway, Ky. Whiskey. 346,497; June 1; Serial No. 388,817; published Mar. 23, 1937. Class 49.

Woodford County Distillery Co., Midway, Ky. Whiskey. 346,670–1; June 1; Serial Nos. 388,813–14; published Mar. 23, 1937. Class 49.

Wortendyke Manufacturing Company, Richmond, Va. Gummed papers, and wrapping paper. 346,621; June 1; Serial No. 387,766; published Mar. 23, 1937. Class 37.

Zwirnerei & Nachfadenfabrick Goeggingen, Augsburg, to Zwirnerei U. Nähfadenfabrik Göggengen, Goggingen bei Augsburg (Bayern), Germany, successor. Cotton threads and yarns of all kinds. 14,325; re-renewed Apr. 26, 1937.

Zwirnerei & Nachfadenfabrick Goeggingen, Augsburg, to Zwirnerei U. Nähfadenfabrik Göggengen, Goggingen bei Augsburg (Bayern), Germany, successor. Cotton threads and yarns of all sorts. 14,370; re-renewed May 10, 1937.

LIST OF REGISTRANTS OF LABELS

Ada Milling Company, Ada, Okla. Ada Milling Company Corn Meal. (Light Blue, Dark Blue and Red Form Checkered Pattern on White Background). For Corn Meal. 49,346; June 1.

Ada Milling Company, Ada, Okla. Ada Milling Company Corn Meal. (White Streamered Hats on Red Background). For Corn Meal. 49,347; June 1.

Ada Milling Company, Ada, Okla. Ada Milling Company Corn Meal, (Small Blue, Green and Pink Flowers, White Foliage on Maroon Background). For Corn Meal. 49,348; June 1.

Ada Milling Company, Ada, Okla. Ada Milling Company Corn Meal, (Orange and Blue Daisies, Green Foliage, White Conventionalized Flowers Strewn on Maroon Background). For Corn Meal. 49,349; June 1.

Ada Milling Company, Ada, Okla. Ada Milling Company Corn Meal (Black, Pink, Yellow, Green, make Checkered Pattern on White Background). For Corn Meal. 49,350; June 1.

Bachman Chocolate Manufacturing Company, Mount Joy, Pa. Athlete. For Sweet Milk Chocolate Bar. 49,351; June 1.

Battat, Ezekiel M., doing business as Battat Import-Export Company, San Francisco, Calif. Battat. For Fruit Salad. 49,352; June 1.

Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Bear Brand Hosiery. For Hosiery. 49,353; June 1.

Borden Company, The, New York, N. Y. Fox Meadow Twin Rolls Butter. For Butter. 49,354; June 1.

Butler Paper Products Company, The, Toledo, Ohio. Territorial Design 274A. For Butter. 49,355; June 1.

Butter Krust Baking Company, Sunbury, Pa. Butter-Krust Home Spun Bread. For Bread. 49,356; June 1.

Carpenter Paper Co., doing business as Swan Paper Products, Omaha, Nebr. Swan. For Paper Drinking Cups. 49,357; June 1.

Carpenter Paper Co., doing business as Swan Paper Products, Omaha, Nebr. Swan. For Paper Cups. 49,358; June 1.

Carrot Products Co., Inc., Fort Worth, Tex. Karrot Table Syrup. For Table Syrup. 49,359; June 1.

Duff, P., & Sons, Inc., Pittsburgh, Pa. Duff's White Cake Mix. For White Cake Mixture. 49,360; June 1.

Fischer Baking Co., Newark, N. J. Fischer's München Rye. For Rye Bread. 49,361; June 1.

General Mills, Inc., Minneapolis, Minn. Softasilk. For Cake Flour. 49,362; June 1.

Gottfried Baking Company, Inc., doing business as Gottfried Baking Co., New York, N. Y. Special Late City Edition Golden Crust Bread. For Bread. 49,373; June 1.

Hazard Lead Works Inc., The, Brooklyn, N. Y. Front Line Master Painters Enamel. For Ready Mixed Enamel Paint. 49,364; June 1.

Hazard Lead Works Inc., The, Brooklyn, N. Y. Front Line Ready Mixed Paint. For Ready Mixed Paint. 49,365; June 1.

Heller, A., Moultrie, Ga. Heller's Quick Relief for Athlete's Foot. For a Preparation for Treating Athlete's Foot. 49,366; June 1.

Hollywood Garment Corporation, Los Angeles, Calif. Hollywood. For Ladies' Slips. 49,367; June 1.

Hubinger Co., The, Keokuk, Iowa. Silver-Sweet. For Syrup. 49,368; June 1.

Hubinger Co., The, Keokuk, Iowa. Gold-N-Sweet. For Syrup. 49,369; June 1.

Inter-National Liquor Company, Inc., Chicago, Ill. Inter-National Brand Bitters. For Bitters. 49,370; June 1.

Inter-National Liquor Company, Inc., Chicago, Ill. Inter-National Brand Liqueur. For Liqueur. 49,371; June 1.

Johnson, Ross H., Indianapolis, Ind. Relief Cushions. For Metatarsal Callous Cushions. 49,372; June 1.

Lee, H. D., Mercantile Company, The, Kansas City, Mo. Branded Lee Riders. For Overalls. 49,373; June 1.

Mannings, Inc., San Francisco, Calif. Jo-To-Mannings Finest Green Tea. For Tea. 49,374; June 1.

Massielo, James, doing business as Ragu Packing Co., Rochester, N. Y. Ragu Brand. For Italian Style Spaghetti Sauce with Mushrooms. 49,375; June 1.

Murphy-Phoenix Company, The, Cleveland, Ohio. Murphy's Paint and Wall Cleaner. For a Paint and Wall Cleaner. 49,376; June 1.

Murphy-Phoenix Company, The, Cleveland, Ohio. Murphy's Rug-Carpet-Upholstery Cleaner. For a Rug, Carpet and Upholstery Cleaner. 49,377; June 1.

Midway Chemical Co., Chicago, Ill. Ridz Dog Repellent. For Compound Designed to Keep Dogs Away From Trees, Shrubbery, and Other Places. 49,378; June 1.

Midway Chemical Co., Chicago, Ill. Ridz Shampoo. For Dog Shampoo. 49,379; June 1.

Midway Chemical Co., Chicago, Ill. Ridz Flea Lotion. For Lotion for Ridding Dogs of Fleas. 49,380; June 1.

Peacock Ale Company, Chicago, Ill. Peacock. For Ginger Ale. 49,381; June 1.

Pearson, C. A., Inc., St. Paul, Minn. Majic Pearls. For Soap Powder. 49,382; June 1.

Rabin, Allen H., doing business as The Rabin Company, Los Angeles, Calif. Ruth Rogers. For Cleansing Cream. 49,383; June 1.

Ragu Packing Co. (See Massielo, James.)

Reinhold, Arno, doing business as Reinhold Company, Cleveland, Ohio. Air-Vent Dust Cap. For Waterproof Silk Dust Caps. 49,384; June 1.

Richmond-Clause Company, San Jose Calif. R-C-Peach Nectarine Nectar. For Peach Nectar. 49,385; June 1.

Salada Tea Co., (Inc.), Boston, Mass. 'Salada' Pure Uncolored Green Tea. For Japan Green Tea. 49,386; June 1.

Santa Paula Orange Assn., Santa Paula, Calif. Strength. For Fresh Oranges. 49,387; June 1.

Sealy, Incorporated, Pittsburgh, Pa. Super-Rest Mattress. For Mattresses. 49,388; June 1.

Sealy, Incorporated, Pittsburgh, Pa. Sealy Rest Tuftless Mattress. For Mattresses. 49,389; June 1.

Sealy, Incorporated, Pittsburgh, Pa. Sealy Air-Vent Mattress. For Mattresses. 49,390; June 1.

Swan Paper Products. (See Carpenter Paper Co.)

Tubex Company, New York, N. Y. Shu-Shampoo. For White Liquid Shoe Polish. 49,391; June 1.

Weston, George, Limited, Passaic, N. J. Weston's English Quality Biscuits. For Biscuits. 49,392; June 1.

Wiessner, Fritz H., Brooklyn, N. Y. Wonder Glacier Cream. For Cream to Protect Against Snow and Windburn. 49,393; June 1.

LIST OF REGISTRANTS OF PRINTS

Congoleum-Nairn Inc., Kearny, N. J. Personal-ized Floors. For Linoleum. 16,201; June 1.

Cream of Wheat Corporation, The, Minneapolis, Minn. Ten Toes to Wiggle—A Doll to Cuddle—He's Happy! For Wheat Breakfast Food. 16,202; June 1.

Etched Products Corporation, New York, N. Y. Pirate Gold. For Bags Containing Lucky Pieces. 16,203; June 1.

Gable-Tite Products Co., Inc., Miami, Fla. Nu Cote. For Cold Water Paint. 16,204; June 1.

General Mills, Inc., Minneapolis, Minn. Now—Another Bisquick with a New Taste Thrill for Whole Wheat Fans Bisquick with Whole Wheat. For Biscuit Flour. 16,205; June 1.

General Mills, Inc., Minneapolis, Minn. New . . . Betty Crocker's Spring Delight! For Flour. 16,206; June 1.

General Mills, Inc., Minneapolis, Minn. Accept this Amazing New Genuine "Chinalite" Glassware. For Cereal Food. 16,207; June 1.

General Mills, Inc., Minneapolis, Minn. To End Breakfast Arguments. For Cereal Food. 16,208; June 1.

Greenspoon Clothing Co., Inc., doing business as Greenspoon Clothing Co., St. Louis, Mo. Thermo-Control. For Topcoats. 16,209; June 1.

Hussmann-Holmes Company, Los Angeles, Calif. H & H Foot Exerciser. For Foot Exercisers. 16,210; June 1.

Lubri-Zol Corporation, The, Wickliffe, Ohio. Its Spring. For Lubricants. 16,211; June 1.

Lubri-Zol Corporation, The, Wickliffe, Ohio. Danger! Don't Let 'em Fill You with Lead. For Lubricants. 16,212; June 1.

Parker Pen Company, The, Janesville, Wis. Things You Ought to Know if You Ever Write with a Pen. For Fountain Pens, Mechanical Pencils and Ink. 16,213; June 1.

Savannah Benne Candy Company, Savannah, Ga. Savannah Benne, A Candy of the Old South. For Candy. 16,214; June 1.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Kentucky Boone Coal Company. 346,584–5; June 1; Serial Nos. 387,190–1; published Mar. 23, 1937.

Fur skins. Bernard Rabinowitz Fur Corporation. 346,560; June 1; Serial No. 386,377; published Mar. 23, 1937.

CLASS 2

Bags and boxes, Paper. Atlanta Paper Company. 346,639; June 1; Serial No. 387,971; published Mar. 23, 1937.

Bags, General utility. Enduro-Tex Company. 346,676; June 1.

Receptacles, Ornamental. Bartonette Company. 346,600–03; June 1; Serial Nos. 387,364–7; published Mar. 23, 1937.

CLASS 3

Cases, Traveling. Philip Florin, Inc. 346,547; June 1; Serial No. 385,477; published Mar. 23, 1937.

CLASS 4

Chemical compound for cleaning metal, etc. L. W. Baff. 346,501; June 1; Serial No. 372,758; published Mar. 30, 1937.

Cleaning compound, General. V. Giannola. 346,569; June 1; Serial No. 386,679; published Mar. 9, 1937.

Compound, Water-proofing. Midway Chemical Co. 346,563; June 1; Serial No. 386,438; published Mar. 23, 1937.

Detergent composition. Cowles Detergent Company. 346,605; June 1; Serial No. 387,498; published Mar. 23, 1937.

Detergent preparation for cleaning, etc. Enoch Morgan's Sons Company. 118,986; renewed Oct. 16, 1937.

Saponaceous material. B & L Laboratories, Inc. 346,554; June 1; Serial No. 385,773; published Mar. 30, 1937.

Shaving cream. Ashworth Advertising Company. 346,599; June 1; Serial No. 387,363; published Mar. 23, 1937.

Soap. Colgate-Palmolive-Peet Company. 346,679; June 1.

Soap and typewriter type and platen cleaner, Liquid and cake. Ditto, Incorporated. 346,555; June 1; Serial No. 385,836; published Mar. 23, 1937.

Soap, Non-medicinal toilet. J. T. Stanley. 112,823; renewed Sept. 26, 1936.

Soap, Oil. Canfield Oil Company. 346,521; June 1; Serial No. 381,257; published Mar. 23, 1937.

Soap powder. B. T. Babbitt. 118,615; renewed Sept. 25, 1937.

Soaps. Crystal Soap Company. 118,955; renewed Oct. 16, 1937.

CLASS 5

Tapes, Adhesive. Graeme Harrison Products, Inc. 346,523–5; June 1; Serial Nos. 381,452–4; published Mar. 23, 1937.

Tapes, Adhesive. Graeme Harrison Products, Inc. 346,526; June 1; Serial No. 381,456; published Mar. 23, 1937.

CLASS 6

Alkali, Industrial. Colgate-Palmolive-Peet Company. 346,512; June 1; Serial No. 377,302; published Mar. 16, 1937.

Alcohol, Denatured. Pacific Distillers, Inc. 346,635; June 1; Serial No. 387,918; published Mar. 23, 1937.

Anti-freeze solution. Refiners Lubricating Company. 346,633; June 1; Serial No. 387,877; published Mar. 23, 1937.

Antiseptic, Pine-oil. William S. Merrell Chemical Company. 116,537; renewed May 9, 1937.

Bedbug destroyer. B. Heller & Company. 346,582; June 1; Serial No. 387,128; published Mar. 16, 1937.

Blood remedy. Comar Remedy Company. 116,824; renewed May 29, 1937.

Chemical preparations. S. S. White Dental Manufacturing Company. 116,870; renewed May 29, 1937.

Cosmetics. F. Neuschaefer. 346,558; June 1; Serial No. 386,081; published Mar. 16, 1937.

Cosmetics, lotions and toilet preparations. Elizabeth Flynn Preparations, Inc. 346,688; June 1.

Cough syrup. Chicago Pharmacal Co. 346,613; June 1; Serial No. 387,657; published Mar. 16, 1937.

Cream for dermato-therapeutical medication. C. Rossberg, Jr. 346,567; June 1; Serial No. 386,569; published Mar. 16, 1937.

Cream, tissue builder, astringent cream, etc., Cleansing. J. G. Boyle. 346,503; June 1; Serial No. 373,556; published Mar. 16, 1937.

Insecticides. Black Flag Company. 346,648; June 1; Serial No. 388,118; published Mar. 23, 1937.

Insecticides and preparations for control of plant pests. General Chemical Company. 346,581; June 1; Serial No. 387,120; published Mar. 2, 1937.

Laxative, Castor oil. D. Poll. 346,610; June 1; Serial No. 387,596; published Mar. 23, 1937.

Liniments and remedies for bruises, sores, etc. C. E. Maley. 118,424; renewed Sept. 4. 1937.

Medicinal preparation. D. B. Easley. 346,538; June 1; Serial No. 384,373; published Mar. 16, 1937.

Medicines. Merck & Co. Inc. 346,624; June 1; Serial No. 387,795; published Mar. 23, 1937.

Mouth-washes and dental washes. Colgate & Co. 118,000; renewed Aug. 14, 1937.

Ointment, Hair-dressing. Peptoline Chemical Co. 112,554; renewed Sept. 12, 1936.

Perfumes, toilet water, vegetable lotion, etc. Guerlain Perfumery Corporation of Delaware. 346,589; June 1; Serial No. 387,275; published Mar. 16, 1937.

Perfumes, toilet waters, eau de colognes, etc. Rallet Corporation of America. 346,609; June 1; Serial No. 387,560; published Mar. 23, 1937.

Pharmaceutical preparation. Sandoz Chemical Works, Inc. 346,646; June 1; Serial No. 388,071; published Mar. 23, 1937.

Powder and cold cream, Face. Superior Laboratories, Inc. 346,683; June 1.

Powder, Tooth. G. B. Terrell. 346,586; June 1; Serial No. 387,229; published Mar. 16, 1937.

Preparations containing calcium, phosphorus, and vitamin D. E. R. Squibb & Sons. 346,561; June 1; Serial No. 386,380; published Mar. 16, 1937.

Rust penetrant. Polygon Products Company. 118,088; renewed Aug. 14, 1937.

Seidlitz powders. I. Z. Garfield. 346,689; June 1.

Skin protecting and beautifying preparation. Lentheric, Incorporated. 346,595; June 1; Serial No. 387,329; published Mar. 16, 1937.

Toilet preparation. W. F. Straub & Company. 346,598; June 1; Serial No. 387,360; published Mar. 23, 1937.

Toilet waters, handkerchief extracts, perfumed powders and sachets. Colgate & Co. 118,750; renewed Oct. 2, 1937.

Waxen preparation used as a dressing for burns. Johnson & Johnson. 117,333; renewed July 3, 1937.

CLASS 7

Rope and cordage, Manila. Geo. B. Carpenter & Company. 118,272; renewed Aug. 28, 1937.

CLASS 9

Fireworks. Detwiler & Street Fireworks Manufacturing Company. 116,605; renewed May 15, 1937.

Fireworks. Detwiler & Street Fireworks Manufacturing Company. 116,607; renewed May 15, 1937.

Fireworks. Detwiler & Street Fireworks Manufacturing Company. 117,531; renewed July 17, 1937.

CLASS 11

Carbon paper. F. S. Webster Company. 346,677; June 1.

CLASS 12

Asphalt. Standard Oil Company of New Jersey. 346,620; June 1; Serial No. 387,758; published Mar. 23, 1937.

Bricks, adobe bricks, Building. American Bitumuls Company. 346,637; June 1; Serial No. 387,933; published Mar. 23, 1937.

Bricks, refractory plastics, and refractory cements, Refractory. E. J. Lavino and Company. 346,643; June 1; Serial No. 388,009; published Mar. 23, 1937.

Building materials, Structural iron and steel. Concrete Engineering Company. 118,162; renewed Aug. 21, 1937.

Composition adapted to be applied to walls or objects to form a coating thereon. American Polytect Corporation. 346,531; June 1; Serial No. 383,457; published Mar. 23, 1937.

Container, Self locking. A. St. Arnauld. 346,568; June 1; Serial No. 386,664; published Mar. 23, 1937.

Mineral wool or similar thermal insulation material. Flintkote Company. 346,577; June 1; Serial No. 387,036; published Mar. 23, 1937.

Partitions, doors, wood molding, and wood trim. Drivwood Corporation. 346,530; June 1; Serial No. 383,354; published Mar. 23, 1937.

Plywood. Harbor Plywood Corporation. 346,626; June 1; Serial No. 387,828; published Mar. 23, 1937.

Plywood and veneer. I. F. Laucks, Inc. 346,572; June 1; Serial No. 386,808; published Mar. 16, 1937.

Plywood for walls and ceilings, Inlaid. Vancouver Plywood & Veneer Company. 346,519; June 1; Serial No. 380,166; published Mar. 23, 1937.

Rock wool products for insulation purpose. Union Rock Wool Corp. 346,629; June 1; Serial No. 387,843; published Mar. 23, 1937.

Shingles, Asbestos-cement. Ruberoid Co. 346,545; June 1; Serial No. 385,201; published Mar. 16, 1937.

Veneer, Hardwood. Nickey Brothers, Inc. 346,607; June 1; Serial No. 387,510; published Mar. 23, 1937.

CLASS 13

Fence-posts, Metal. Janesville Barb Wire Company. 110,174; renewed May 9, 1936.

Hardware and plumbing and steamfitting supplies. F. A. Neider Company. 118,804; renewed Oct. 2, 1937.

CLASS 16

Naphtha, paint thinner, turpentine substitute, etc., Painters'. Wolverine-Empire Refining Co. 346,498; June 1; Serial No. 372,122; published Sept. 8, 1936.

Paint thinners and mineral spirits used as a diluent and turpentine substitute. Union Oil Company of California. 346,651; June 1; Serial No. 388,157; published Mar. 23, 1937.

Paints, paint enamels, varnishes, etc. Glidden Company. 346,510; June 1; Serial No. 376,181; published June 9, 1936.

Paints, stains, varnish, etc. Panther Oil & Grease Mfg. Co. 346,678; June 1.

Polish for motor-cars, furniture, and finished wood surfaces. Mid-Kent Products Co. 346,590; June 1; Serial No. 387,284; published Mar. 23, 1937.

Wax, and furniture polish, Liquid rubless floor. Derris, Inc. 346,659; June 1; Serial No. 388,391; published Mar. 23, 1937.

CLASS 17

Cigars. L. Michelson & Bro. 118,985; renewed Oct. 16, 1937.

Cigars. Jno. H. Swisher & Son, Inc. 346,533; June 1; Serial No. 383,753; published Mar. 23, 1937.

CLASS 19

Tops, Automobile. Auto-Rapid Products Corporation. 346,566; June 1; Serial No. 386,566; published Mar. 23, 1937.

CLASS 20

Floor covering. Bird & Son, Inc. 346,614; June 1; Serial No. 388,668; published Mar. 23, 1937.

Floor covering. Bird & Son, Inc. 346,663; June 1; Serial No. 388,559; published Mar. 23, 1937.

CLASS 21

Batteries, Automobile. Eastern Battery Corp. 346,588; June 1; Serial No. 387,272; published Mar. 23, 1937.

Motors, Direct and alternating current electric. Reliance Electric & Engineering Company. 118,698; renewed Sept. 25, 1937.

CLASS 22

Cards bearing letters and adapted for use in playing a game like lotto. R. Kesler. 346,617; June 1; Serial No. 387,705; published Mar. 23, 1937.

Dolls' clothes. Molly-'es Doll Outfitters, Inc. 346,532; June 1; Serial No. 383,475; published Mar. 23, 1937.

Fish bait, Artificial. Enterprise Manufacture Company. 346,669; June 1; Serial No. 388,771; published Mar. 23, 1937.

Fishing line floats. Hoosier Bait Company. 346,665; June 1; Serial No. 388,642; published Mar. 23, 1937.

Game, Board. Parker Brothers, Inc. 346,666; June 1; Serial No. 388,723; published Mar. 23, 1937.

Game, Table. Recreation Equipment Co. 346,583; June 1; Serial No. 387,143; published Mar. 23, 1937.

Games and cards for playing said games, Card. E. G. Smith. 346,661; June 1; Serial No. 388,464; published Mar. 23, 1937.

Toy, Film view. I. E. Goldman. 346,662; June 1; Serial No. 388,499; published Mar. 23, 1937.

CLASS 23

Bearings. Midland Sales Company. 346,578; June 1; Serial No. 387,046; published Mar. 23, 1937.

Clamps, and pipe tools. J. H. Williams & Co. 346,579; June 1; Serial No. 387,098; published Mar. 23, 1937.

Cutlery, machinery, and tools and parts thereof. Ljusne-Woxna Aktiebolag. 118,055; renewed Aug. 14, 1937.

Cutters and cutter heads for wood working machines. Henry Disston & Sons, Incorporated. 346,690; June 1.

Dispensing apparatus, Lubricating grease. C. A. Green. 346,548; June 1; Serial No. 385,480; published Mar. 23, 1937.

Extractors, Vegetable and fruit juice. Enterprise Manufacturing Company of Pennsylvania. 346,653; June 1; Serial No. 388,230; published Mar. 23, 1937.

Gears and gear forgings. Frost Gear and Forge Company. 346,549; June 1; Serial No. 385,576; published Mar. 23, 1937.

Machinery for conveying containers, etc., and parts of such machines, etc. Crown Cork & Seal Company. 346,587; June 1; Serial No. 387,269; published Mar. 23, 1937.

Machines for treating crank case oil. Firman L. Carswell Manufacturing Company. 346,681; June 1.

Milking machine, Vertical. George Gorton Machine Company. 346,527; June 1; Serial No. 382,556; published Nov. 24, 1936.

Razor blades. Club Razor & Blade Manufacturing Corporation. 346,656; June 1; Serial No. 388,259; published Mar. 23, 1937.

Razor blades. F. Spors. 346,591; June 1; Serial No. 387,291; published Mar. 23, 1937.

Rolls and rollers for all types of conveyors, rolls for glass working machinery, tube rolls for paper machines, etc., Conveyor. Michigan Steel Casting Company. 346,546; June 1; Serial No. 385,375; published Mar. 23, 1937.

Yarn treating devices in the nature of attachments for textile machinery. Textile Machine Works. 346,502; June 1; Serial No. 373,347; published Mar. 23, 1937.

CLASS 25

Handcuffs. Peerless Handcuff Company. 346,660; June 1; Serial No. 388,463; published Mar. 23, 1937.

CLASS 26

Cameras and films, Photographic. Eastman Kodak Company. 346,647; June 1; Serial No. 388,092; published Mar. 23, 1937.

Temperature measuring and controlling devices. Hagan Corporation. 346,517; June 1; Serial No. 378,785; published Mar. 23, 1937.

CLASS 27

Watches. Waterbury Clock Company. 346,667–8; June 1; Serial Nos. 388,738–9; published Mar. 23, 1937.

Watches and watch-movements. Elgin National Watch Company. 118,762; renewed Oct. 2, 1937.

Watches and watch-movements. Elgin National Watch Company. 119,061; renewed Oct. 23, 1937.

CLASS 28

Flatware and hollow ware, Sterling silver and silver plate. National Silver Company. 346,514; June 1; Serial No. 378,223; published Mar. 23, 1937.

Jewelry. Indestructible Pearl Bead Makers, Inc. 346,562; June 1; Serial No. 386,428; published Mar. 23, 1937.
Jewelry. Rotham & Baden, Inc. 346,574; June 1; Serial No. 386,973; published Mar. 23, 1937.

CLASS 32

Beds, cribs, bed-springs, and cots, Iron and brass. Crescent Bed Company. 118,863; renewed Oct. 9, 1937.
Cabinets, Kitchen. Whitehead Metal Products Company of New York, Inc. 346,652; June 1; Serial No. 388,168; published Mar. 23, 1937.
Furniture. Thomasville Chair Company. 346,516; June 1; Serial No. 378,595; published Mar. 23, 1937.
Mattresses. DeWitt-Seitz Co. 346,593; June 1; Serial No. 387,304; published Mar. 23, 1937.
Mirror systems, Pose reflecting. Miratlex, Inc. 346,644; June 1; Serial No. 388,017; published Mar. 23, 1937.
Settees. Goshen Manufacturing Co. 346,673; June 1.

CLASS 34

Air conditioning units. Pacific Amusement Manufacturing Co. 346,685; June 1.
Burner, Oil. L. S. Wagle. 346,612; June 1; Serial No. 387,637; published Mar. 23, 1937.
Burners and parts thereof, Luminous gas flame. Holyoke Heater Company. 346,539; June 1; Serial No. 384,465; published Mar. 23, 1937.
Burners, Oil. Eveready Oil Co. 346,695; June 1.
Light directors for interior electric lighting fixtures. General Illumination Engineering Company. 346,508; June 1; Serial No. 375,231; published Mar. 23, 1937.
Safety reflecting signals and lamp and signal reflectors and lenses, Vehicle and roadside. American Automatic Devices Co. 346,686; June 1.
Ventilators and air filters therefor, Forced draft. Davies Air Filter Corporation. 346,674; June 1.

CLASS 35

Hose. Pioneer Rubber Mills. 346,649; June 1; Serial No. 388,142; published Mar. 23, 1937.
Seals, Fluid. Midland Sales Company. 346,576; June 1; Serial No. 387,002; published Mar. 23, 1937.
Tires and tubes, Automobile. Vogue Rubber Company. 346,494; June 1; Serial No. 359,823; published Mar. 23, 1937.
Tires, Rubber. Fisk Rubber Company. 116,756; renewed May 22, 1937.

CLASS 37

Papers, and wrapping paper, Gummed. Wortendyke Manufacturing Company. 346,621; June 1; Serial No. 387,766; published Mar. 23, 1937.

CLASS 38

Book series. Ditto, Incorporated. 346,540; June 1; Serial No. 384,701; published Mar. 23, 1937.
Books. G. & C. Merriam Company. 346,557; June 1; Serial No. 385,987; published Mar. 16, 1937.
Column, Magazine. Crowell Publishing Company. 346,580; June 1; Serial No. 387,116; published Mar. 23, 1937.
Magazines. Fawcett Publications, Inc. 346,616; June 1; Serial No. 387,700; published Mar. 16, 1937.
Newspaper column. Philadelphia Inquirer Company. 346,638; June 1; Serial No. 387,951; published Mar. 23, 1937.
Newspaper column or department. A. Hughes. 346,630–1; June 1; Serial Nos. 387,868–9; published Mar. 23, 1937.
Newspaper publications. Newspaper Enterprise Association. 117,698; renewed July 24, 1937.
Newspaper-section. King Features Syndicate, Inc. 118,975; renewed Oct. 16, 1937.
Periodical. Bar & Grill Publications Inc. 346,575; June 1; Serial No. 386,977; published Mar. 23, 1937.
Periodical. Grocers' Spotlight. 346,615; June 1; Serial No. 387,691; published Mar. 16, 1937.
Periodical. Professional Publications, Inc. 346,608; June 1; Serial No. 387,559; published Mar. 23, 1937.
Periodical. Street & Smith Publications, Inc. 346,636; June 1; Serial No. 387,928; published Mar. 23, 1937.
Photographs. Harris & Ewing. 346,571; June 1; Serial No. 386,803; published Mar. 23, 1937.
Pictures and representations, Lithographed, printed, and mechanically reproduced. United States Printing and Lithograph Company. 346,611; June 1; Serial No. 387,636; published Mar. 23, 1937.
Portraits, paintings, pictures, etc. Fine Arts Association. 346,634; June 1; Serial No. 387,895; published Mar. 23, 1937.
Post-cards and pictorial illustrations, Multi-colored. Curt Teich & Company. 346,543; June 1; Serial No. 385,136; published Mar. 23, 1937.
Publication. Siccardi Publications, Inc. 346,529; June 1; Serial No. 383,234; published Mar. 23, 1937.
Publication, Bimonthly. J. E. Sitterley. 118,824; renewed Oct. 2, 1937.
Publication, Trade. Wesley Steel Treating Company. 346,518; June 1; Serial No. 379,325; published Mar. 23, 1937.
Publications and periodicals. Civic Activities Association. 346,496; June 1; Serial No. 368,401; published Mar. 23, 1937.

CLASS 39

Aprons, uniforms, smocks, etc., Women's and misses'. Roselle Frocks Manufacturing Co. 346,552; June 1; Serial No. 385,608; published Mar. 23, 1937.
Clothing. Pacific Mills. 118,324; renewed Aug. 28, 1937.
Clothing and accessories. Ludgates, Ltd. 346,623; June 1; Serial No. 387,792; published Mar. 23, 1937.
Clothing, Children's. R. S. Wheeler. 346,682; June 1.
Coats, vests, pants, etc. J. Friedman & Co. 346,594; June 1; Serial No. 387,321; published Mar. 23, 1937.
Coats, Women's fur. J. Ash. 346,537; June 1; Serial No. 383,867; published Mar. 23, 1937.
Dresses and blouses, Children's. Handcraft Import Co. 346,541; June 1; Serial No. 384,746; published Mar. 23, 1937.
Garments, Women's. John Smedley, Limited. 346,556; June 1; Serial No. 385,907; published Mar. 23, 1937.
Hats and caps, scarfs, etc., Women's, misses', and children's. Malcolm & Engel. 346,507; June 1; Serial No. 373,861; published Mar. 23, 1937.
Hosiery. Lion Corporation. 346,573; June 1; Serial No. 386,899; published Mar. 23, 1937.
Raincoats, vests, jackets, etc. Cosmopolitan Manufacturing Co. 346,553; June 1; Serial No. 385,662; published Mar. 23, 1937.
Shirts. Victor Mercantile Co. 346,597; June 1; Serial No. 387,358; published Mar. 23, 1937.
Shirts, play suits, blouses, and pajamas, Ladies' sport. S. Fox. 346,625; June 1; Serial No. 387,823; published Mar. 23, 1937.
Shirts, Work. Reliance Manufacturing Company. 346,551; June 1; Serial No. 385,607; published Mar. 23, 1937.
Shoes and slippers. Rosenberg Brothers Slipper Company. 346,684; June 1.
Suits, sweaters, and polo shirts, Bathing. B. Stoumen. 346,645; June 1; Serial No. 388,033; published Mar. 23, 1937.
Sweater sport coats, sweaters, bathing suits, knit scarfs. Prudential Knitting Mills. 346,592; June 1; Serial No. 387,302; published Mar. 23, 1937.
Trunks, Swim. Coopers, Incorporated. 346,622; June 1; Serial No. 387,778; published Mar. 23, 1937.

CLASS 42

Cotton piece goods. Joseph Bancroft & Sons Co. 346,655; June 1; Serial No. 388,255; published Mar. 23, 1937.
Curtains and woven, knitted, netted, and textile, and pile fabrics. Wm. T. Knott Company. 346,515; June 1; Serial No. 378,405; published Mar. 23, 1937.
Piece goods. Schwarzenbach Huber Co. 346,628; June 1; Serial No. 387,841; published Mar. 23, 1937.
Pile fabrics. Sidney Blumenthal & Co. Inc. 117,984–6; renewed Aug. 14, 1937.
Rugs. Tufted Fabrics, Inc. 346,691–4; June 1.
Rugs and carpets, Woven textile. Bigelow-Sanford Carpet Co. Inc. 346,675; June 1.

CLASS 43

Threads and yarns of all kinds, Cotton. Zwirnerei & Nachfadenfabrick Goeggingen. 14,325; re-renewed Apr. 26, 1937.
Threads and yarns of all sorts, Cotton. Zwirnerei & Nachfadenfabrick Goeggingen. 14,370; re-renewed May 10, 1937.

CLASS 44

Hearing aids and audible signal making attachments for hearing aid devices. Dictograph Products Company. 346,606; June 1; Serial No. 387,499; published Mar. 23, 1937.
Syringes, Fountain and douche. Marvel Company. 346,664; June 1; Serial No. 388,617; published Mar. 23, 1937.

CLASS 45

Beverages, and for syrups, extracts, and flavors used in making the same. Bronx Mineral Water Co. 346,534; June 1; Serial No. 383,767; published Nov. 24, 1936.
Beverages and syrups, extracts and concentrates used in making the same. Bireley's, Inc. 346,640; June 1; Serial No. 387,980; published Mar. 23, 1937.
Beverages and syrups, extracts, and flavors used in making the same. Cliquot Club Company. 346,641; June 1; Serial No. 387,986; published Mar. 23, 1937.
Fruit juices. Sussman, Wormser & Co. 346,650; June 1; Serial No. 388,150; published Mar. 23, 1937.
Syrup for soda-water, Flavoring. Pepsi-Cola Co. 111,508; renewed July 18, 1936.

CLASS 46

Apples in boxes, Fresh. Okanogan Growers Union. 116,353; renewed Apr. 24, 1937.
Beans and baking powder, Dried. Food Products Co. of America. 346,570; June 1; Serial No. 386,728; published Mar. 16, 1937.
Beans, Baked. Mann Food Corporation. 346,495; June 1; Serial No. 367,669; published Mar. 23, 1937.
Bread. G. N. LeSage. 346,550; June 1; Serial No. 385,590; published Mar. 16, 1937.
Butter and eggs. S. S. Borden Company. 117,408; renewed July 10, 1937.

Canned French fried potatoes, Vacuum packed. Normandie Potato Corporation. 346,542; June 1; Serial No. 384,904; published Mar. 16, 1937.
Canned fruits and vegetables. Pratt-Low Preserving Co. 116,155; renewed Apr. 10, 1937.
Canned pimientos. H. A. Shaver, Inc. 346,536; June 1; Serial No. 383,825; published Mar. 23, 1937.
Cheese. J. S. Hoffman Company. 116,318–20; renewed Apr. 24, 1937.
Cherries in glass containers. Fruit Products Corporation. 346,499–500; June 1; Serial No. 372,472–3; published Mar. 23, 1937.
Chili con carne. Rath Packing Company. 346,696; June 1.
Chocolate syrup used for flavoring milk. Slik Corporation of America. 346,565; June 1; Serial No. 386,559; published Mar. 23, 1937.
Coffee, tea, and cocoa. Old Dutch Mills, Inc. 346,632; June 1; Serial No. 387,876; published Mar. 23, 1937.
Confections, Frozen. R. S. Sherer. 346,654; June 1; Serial No. 388,245; published Mar. 23, 1937.
Crackers, biscuits, and cakes. Loose-Wiles Biscuit Company. 346,596; June 1; Serial No. 387,336; published Mar. 23, 1937.
Feeds, Poultry. Albers Bros. Milling Co. 346,658; June 1; Serial No. 388,298; published Mar. 23, 1937.
Flour, Wheat. Waterloo and Cedar Falls Union Mill Company. 118,245; renewed Aug. 21, 1937.
Food products, Prepared. M. J. Salomon. 346,657; June 1; Serial No. 388,280; published Mar. 23, 1937.
Fruit, Fresh citrus. Sunny Hills Ranch, Inc. 346,680; June 1.
Fruit juices for food purposes. D. H. Peery. 346,544; June 1; Serial No. 385,150; published Mar. 23, 1937.
Fruits, fresh vegetables, Fresh, deciduous. Sgobel & Day Co. 346,520; June 1; Serial No. 381,224; published Oct. 20, 1936.
Grain products and preparations thereof, Milled. Staley Milling Company. 346,528; June 1; Serial No. 382,728; published Mar. 23, 1937.
Lard compound. Geo. P. Braun Company. 117,411; renewed July 10, 1937.
Lard substitute. Geo. P. Braun Company. 117,514; renewed July 17, 1937.
Lemon juice, Imitation. Santa Barbara Citrus Juice Co. 346,535; June 1; Serial No. 383,786; published Mar. 23, 1937.
Lemons, oranges, and grape-fruit. San Fernando Heights Lemon Co. 117,205; renewed June 19, 1937.
Macaroni, spaghetti, and noodles. National Macaroni Company. 118,319; renewed Aug. 28, 1937.
Oils, Edible. Lo Presti Food Products Co. 346,564; June 1; Serial No. 386,544; published Mar. 23, 1937.
Oleomargarin. John F. Jelke Company. 117,153; renewed June 19, 1937.
Oleomargarin. John F. Jelke Company. 117,871; renewed Aug. 7, 1937.
Oleomargarin. John F. Jelke Company. 118,534; renewed Sept. 18, 1937.
Peanuts. W. Shotwell. 346,687; June 1.
Tea. Geo. F. Hellick Coffee Company. 346,604; June 1; Serial No. 387,440; published Mar. 23, 1937.
Tea balls and tea. Eppens, Smith Company. 346,642; June 1; Serial No. 387,994; published Mar. 23, 1937.

CLASS 47

Wine. L. E. De Falco. 346,513; June 1; Serial No. 377,974; published Oct. 13, 1936.
Wines, Light. M. Huppert. 346,511; June 1; Serial No. 376,996; published Mar. 23, 1937.

CLASS 48

Beverage-clearing compound. Whitehurst Chemical Research Corporation. 346,619; June 1; Serial No. 387,721; published Mar. 23, 1937.
Head production and retention compound. Whitehurst Chemical Research Corporation. 346,618; June 1; Serial No. 387,720; published Mar. 23, 1937.

CLASS 49

Whiskey. A. Klotzman. 346,504–6; June 1; Serial Nos. 373,793–5; published Mar. 23, 1937.
Whiskey. Woodford County Distillery Co. 346,497; June 1; Serial No. 388,817; published Mar. 23, 1937.
Whiskey. Woodford County Distillery Co. 346,670–1; June 1; Serial Nos. 388,813–14; published Mar. 23, 1937.
Whiskey, gin, rum, etc. T. J. Pendergast Wholesale Liquor Co. Inc. 346,559; June 1; Serial No. 386,268; published Mar. 23, 1937.

CLASS 50

Caps and droppers for bottles, Combination screw. Mead Johnson & Company. 346,627; June 1; Serial No. 387,833; published Mar. 23, 1937.
Closure means for containers, etc., Nozzle. No-Kap Closures (U. S. A.) Inc. 346,672; June 1.
Luck pieces and tokens, Embossing Company. 346,509; June 1; Serial No. 375,242; published June 23, 1936.
Signs, Mechanical steel. Enameled Steel Sign Company. 346,522; June 1; Serial No. 381,356; published Mar. 23, 1937.

LIST OF LABELS

Ada Milling Company Corn Meal. (Light Blue, Dark Blue and Red Form Checkered Pattern on White Background). For Corn Meal. Ada Milling Company. 49,346; June 1.
Ada Milling Company Corn Meal. (White Streamered Hats on Red Background). For Corn Meal. Ada Milling Company. 49,347; June 1.
Ada Milling Company Corn Meal, (Small Blue, Green and Pink Flowers, White Foliage on Maroon Background). For Corn Meal. Ada Milling Company. 49,348; June 1.
Ada Milling Company Corn Meal, (Orange and Blue Daisies, Green Foliage, White Conventionalized Flowers Strewn on Maroon Background). For Corn Meal. Ada Milling Company. 49,349; June 1.
Ada Milling Company Corn Meal (Black, Pink, Yellow, Green, Make Checkered Pattern on White Background). For Corn Meal. Ada Milling Company. 49,350; June 1.
Air-Vent Dust Cap. For Waterproof Slik Dust Caps. A. Reinhold. 49,384; June 1.
Athlete. For Sweet Milk Chocolate Bar. Bachman Chocolate Manufacturing Company. 49,351; June 1.
Battat. For Fruit Salad. E. M. Battat. 49,352; June 1.
Bear Brand Hosiery. For Hosiery. Bear Brand Hosiery Co. 49,353; June 1.
Branded Lee Riders. For Overalls. H. D. Lee Mercantile Company. 49,373; June 1.
Butter-Krust Home Spun Bread. For Bread. Butter Krust Baking Company. 49,356; June 1.
Duff's White Cake Mix. For White Cake Mixture. P. Duff & Sons, Inc. 49,360; June 1.
Fischer's München Rye. For Rye Bread. Fischer Baking Co. 49,361; June 1.
Fox Meadow Twin Rolls Butter. For Butter. Borden Company. 49,354; June 1.
Front Line Master Painters Enamel. For Ready Mixed Enamel Paint. Hazard Lead Works Inc. 49,364; June 1.
Front Line Ready Mixed Paint. For Ready Mixed Paint. Hazard Lead Works Inc. 49,365; June 1.
Gold-N-Sweet. For Syrup. Hubinger Co. 49,369; June 1.
Heller's Quick Relief for Athlete's Foot. For a Preparation for Treating Athlete's Foot. A. Heller. 49,366; June 1.
Hollywood. For Ladies' Slips. Hollywood Garment Corporation. 49,367; June 1.
Inter-National Brand Bitters. For Bitters. Inter-National Liquor Company. 49,370; June 1.
Inter-National Brand Liqueur. For Liqueur. Inter-National Liquor Company. 49,371; June 1.
Jo-To-Mannings Finest Green Tea. For Tea. Mannings, Inc. 49,374; June 1.
Karrot Table Syrup. For Table Syrup. Carrot Products Co. 49,359; June 1.
Majic Pearls. For Soap Powder. C. A. Pearson, Inc. 49,382; June 1.
Murphy's Paint and Wall Cleaner. For a Paint and Wall Cleaner. Murphy-Phoenix Company. 49,376; June 1.
Murphy's Rug-Carpet-Upholstery Cleaner. For a Rug, Carpet and Upholstery Cleaner. Murphy-Phoenix Company. 49,377; June 1.
Peacock. For Ginger Ale. Peacock Ale Company. 49,381; June 1.
R-C-Peach Nectarin Nectar. For Peach Nectar. Richmond-Chase Company. 49,385; June 1.
Ragu Brand. For Italian Style Spaghetti Sauce with Mushrooms. J. Massielo. 49,375; June 1.
Relief Cushions. For Metatarsal Callous Cushions. R. H. Johnson. 49,372; June 1.
Ridz Dog Repellent. For Compound to Keep Dogs Away from Trees, Shrubbery, and Other Places. Midway Chemical Co. 49,378; June 1.
Ridz Flea Lotion. For Lotion for Ridding Dogs of Fleas. Midway Chemical Co. 49,380; June 1.
Ridz Shampoo. For Dog Shampoo. Midway Chemical Co. 49,379; June 1.
Ruth Rogers. For Cleansing Cream. A. H. Rabin. 49,383; June 1.
'Salada' Pure Uncolored Green Tea. For Japan Green Tea. Salada Tea Co. 49,386; June 1.
Sealy Air-Vent Mattress. For Mattresses. Sealy, Incorporated. 49,390; June 1.
Sealy Rest Tuftless Mattress. For Mattresses. Sealy, Incorporated. 49,389; June 1.
Shu-Shampoo. For White Liquid Shoe Polish. Tubex Company. 49,391; June 1.
Silver-Sweet. For Syrup. Hubinger Co. 49,368; June 1.
Softasilk. For Cake Flour. General Mills, Inc. 49,362; June 1.

Special Late City Edition Golden Crust Bread. For Bread. Gottfried Baking Company. 49,363; June 1.
Strength. For Fresh Oranges. Santa Paula Orange Assn. 49,387; June 1.
Super-Rest Mattress. For Mattresses. Sealy, Incorporated. 49,388; June 1.
Swan. For Paper Cups. Carpenter Paper Co. 49,358; June 1.
Swan. For Paper Drinking Cups. Carpenter Paper Co. 49,357; June 1.
Territorial Design 274A. For Butter. Butler Paper Products Company. 49,355; June 1.
Weston's English Quality Biscuits. For Biscuits. George Weston, Limited. 49,392; June 1.
Wonder Glacier Cream. For Cream to Protect Against Snow and Windburn. F. H. Wiessner. 49,393; June 1.

LIST OF PRINTS

Accept this Amaxing New Genuine "Chinalite" Glassware. For Cereal Food. General Mills, Inc. 16,207; June 1.
Danger! Don't Let 'em Fill You with Lead. For Lubricants. Lubri-Zol Corporation. 16,212; June 1.
H & H Foot Exerciser. For Foot Exercisers. Hussmann-Holmes Company. 16,210; June 1.
It's Spring. For Lubricants. Lubri-Zol Corporation. 16,211; June 1.
New . . . Betty Crocker's Spring Delight! For Flour. General Mills, Inc. 16,206; June 1.
Now—Another Bisquick with a New Taste Thrill for Whole Wheat Fans Bisquick with Whole Wheat. For Biscuit Flour. General Mills, Inc. 16,205; June 1.
Nu Cote. For Cold Water Paint. Gable-Tite Products Co. 16,204; June 1.
Personal-ized Floors. For Linoleum. Congoleum-Nairn Inc. 16,201; June 1.
Pirate Gold. For Bags Containing Lucky Pieces. Etched Products Corporation. 16,203; June 1.
Savannah Benne, A Candy of the Old South. Savannah Benne Candy Company. 16,214; June 1.
Ten Toes to Wiggle—A Doll to Cuddle—He's Happy! For Wheat Breakfast Food. Cream of Wheat Corporation. 16,202; June 1.
Thermo-Control. For Topcoats. Greenspoon Clothing Co. 16,209; June 1.
Things You Ought to Know if You Ever Write with a Pen. For Fountain Pens, Mechanical Pencils and Ink. Parker Pen Company. 16,213; June 1.
To End Breakfast Arguments. For Cereal Food. General Mills, Inc. 16,208; June 1.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Balsam, Maurice M. (See Rubin, H. H., and Balsam.)
General Electric Co. (See Sabbah, Camil A., assignor.)
Goddard, Charles F., deceased, by F. M. Goddard, administrator, Denver, Colo., assignor, by mesne assignments, to The Lubrication Corporation, Chicago, Ill. Grease gun. 20,385; June 1.
Goddard, Francis M., administrator. (See Goddard, Charles F.).
Hartel, Herman, Milwaukee, Wis., assignor, by mesne assignments, to Lyon Incorporated, Detroit, Mich. Tire cover. 20,386; June 1.
Karrick, Lewis C., Salt Lake City, Utah. Destructive distillation of carbonaceous material. 20,392; June 1.
Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Lubrication Corporation, The. (See Goddard, Charles F., assignor.)
Lyon Incorporated. (See Hartel, Herman, assignor.)
Maccarone, Fred, Brooklyn, N. Y. Shoe structure. 20,387; June 1.
Philipp, Lawrence A., assignor to Kelvinator Corporation, Detroit, Mich. Evaporator for refrigerators. 20,388; June 1.
Pickett, Louis, Irvington, N. J. Jaw brace. 20,389; June 1.
Rubin, Herman H., and M. M. Balsam, New York, N. Y., said Balsam assignor to said Rubin. Grip strap. 20,390; June 1.
Sabbah, Camil A., deceased, by General Electric Co., Schenectady, N. Y., assignee. Electric valve converting system. 20,391; June 1.

LIST OF PLANT PATENTEES

Brownell, Josephine D., Little Compton, R. I. Rose. 248; June 1.

LIST OF DESIGN PATENTEES

American Hard Rubber Company. (See Brunjes, Henry, assignor.)
American-National Company, The. (See Snell, Samuel A., assignor.)
Arden, Elizabeth, Sales Corporation. (See Samstag, Louis A., assignor.)
Atlas Supply Company. (See Partenheimer, Joseph E., assignor.)
Barnes, Raymond F., and A. N. Van Keulen, Grand Rapids, Mich. Coat rack. 104,760; June 1.
Becker, William F., Elmhurst, N. Y. Collar retaining clip or the like. 104,714; June 1.
Ben-Burk, Inc. (See Berkowitz, Hyman C., assignor.)
Bennington Wax Paper Company. (See Lasher, Harry J., assignor.)
Berkowitz, Hyman C., assignor to Ben-Burk, Inc., Boston, Mass. Bottle. 104,715; June 1.
Berkowitz, Hyman C., assignor to Ben-Burk, Inc., Boston, Mass. Bottle. 104,716; June 1.
Berman, Israel, Little Falls, N. Y. Slipper. 104,761; June 1.
Berman, Israel, Little Falls, N. Y. Slipper. 104,762; June 1.
Black, Rowland J., Buffalo, N. Y. Heater register or similar article. 104,763; June 1.
Blake Manufacturing Corporation. (See Roehrich, Paul E., assignor.)
Boston Woven Hose & Rubber Company. (See McKay, Hunter, assignor.)
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate or similar article. 104,717; June 1.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. 104,718; June 1.
Bridgeport Hardware Manufacturing Corporation, The. (See Curtis, Harry B., assignor.)
Briskin, Theodore, assignor to Excel Auto Radiator Company, Chicago, Ill. Automobile heater. 104,736; June 1.
Briskin, Theodore, assignor to Excel Auto Radiator Company, Chicago, Ill. Automobile heater. 104,737; June 1.
Brown, Edward L., Dallas, Tex. Merchandise display case. 104,719; June 1.
Brown, Elmer L., San Francisco, Calif. Telephone transmitter. 104,738; June 1.
Brunjes, Henry, Glendale, assignor to American Hard Rubber Company, New York, N. Y. Receptacle for batteries or similar articles. 104,764; June 1.
Burton-Dixie Corporation. (See Wesley, Arthur, assignor.)
Carey, Leander, Medford, assignor to Collela & Leighton Shoe Co., Lynn, Mass. Sandal. 104,765; June 1.
Carpenter Paper Co. (See Miller, Frederick G., assignor.)
Coleman, Tora, New York, N. Y. Dress. 104,739; June 1.
Collela & Leighton Shoe Co. (See Carey, Leander, assignor.)
Curtis, Harry B., Huntington, assignor to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Handle for tools or similar articles. 104,766; June 1.
Delman, Inc. (See Wertheim, Adolph, assignor.)
Doig, James, Wilmette, Ill., assignor to The Niagara Lithograph Company, Buffalo, N. Y. Display basket. 104,720; June 1.
Dunlop Tire and Rubber Corporation. (See King, F. G. W., and Lambourn, assignors.)
Eppenstein, James F., Chicago, Ill. Chair. 104,767; June 1.
Eppenstein, James F., Chicago, Ill. Chair. 104,768; June 1.
Eppenstein, James F., Chicago, Ill. Chair. 104,769; June 1.
Eppenstein, James F., Chicago, Ill. Chair. 104,770; June 1.
Excel Auto Radiator Company. (See Briskin, Theodore, assignor.)
Excel Auto Radiator Company. (See Sperry, Philmore F., assignor.)
Fischer, William H. (See Newnham, E., and Fischer.)
Fisher, Fred H., Syracuse, assignor to Morris W. Haft & Brothers, Inc., New York, N. Y. Button. 104,771; June 1.
Forest City Rubber Company, The. (See Silverman, Isador, assignor.)
Fostoria Glass Company. (See Bottome, Edgar M., assignor.)
Fuerst, Edwin W., assignor to Libbey Glass Company, Toledo, Ohio. Tumbler. 104,772; June 1.
Ganary, Ralph T., Collingswood, N. J. Batter dispenser. 104,773; June 1.
Getz, Louis S. (See Ziff, C. H., and Getz.)
Gross, Harry, Bronx, N. Y. Jewelry box or similar container. 104,740; June 1.
Grossman, Harry G., New York, N. Y. Game apparatus. 104,775; June 1.
Grubbs, Cloyd K., Muncie, Ind. Monument. 104,741; June 1.
Gruen, John J., South Orange, assignor to Moore & Son, Inc., Newark, N. J. Finger ring. 104,742; June 1.
Gubitz, Werner H. A., assignor to Packard Motor Car Company, Detroit, Mich. Vehicle ornament or similar article. 104,774; June 1.
Haft, Morris W., & Brothers, Inc. (See Fisher, Fred H., assignor.)
Hans, Edmund E., Detroit, Mich. Automobile heater or similar article. 104,827; June 1.
Hazen, John N., Holyoke, Mass. Paper for box coverings and similar articles. 104,776; June 1.
Hedberg, Leander, Fairfield, Conn. Window sash arrester or similar article. 104,743; June 1.

Heim, Jacques, Paris, France. Textile fabric. 104,777; June 1.
Heim, Jacques, Paris, France. Textile fabric. 104,778; June 1.
Heim, Jacques, Paris, France. Textile fabric. 104,779; June 1.
Heim, Jacques, Paris, France. Textile fabric. 104,780; June 1.
Helander, Lillian V. M., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 104,721; June 1.
High, Dorothy, New York, N. Y. Redingote. 104,781; June 1.
High, Dorothy, New York, N. Y. Dress ensemble. 104,782; June 1.
Hotchkiss, E. H., Company, The. (See Polzer, Fridolin, assignor.)
Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)
Smith, J. Hungerford, Company. (See Spence, James E., assignor.)
International Silver Company. (See Helander, Lillian V. M., assignor.)
International Silver Company. (See Kintz, Alfred G., assignor.)
International Silver Company. (See Stark, Frederick W., assignor.)
Johnson, Doris, New Brighton, assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. 104,784; June 1.
Johnson, William T., New Brighton, assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. 104,783; June 1.
Kelly, Jess C., Cambridge, Ohio. Combined cheese and cracker tray or similar article. 104,722; June 1.
King, Frank G. W., Sutton Coldfield, and L. J. Lambourn, Erdington, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire. 104,744; June 1.
Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 104,723; June 1.
Knapp-Monarch Company. (See Newnham, E., and Fischer, assignors.)
Korengold, John A., Chicago, Ill. Lamp base or similar article. 104,785; June 1.
Korengold, John A., Chicago, Ill. Illuminating device. 104,826; June 1.
La Lumière, Ernest J. B., Cranston, R. I. Advertising vehicle. 104,786; June 1.
Lambourn, Leonard J. (See King, F. G. W. and Lambourn.)
Lasher, Harry J., assignor to Bennington Wax Paper Company, Bennington, Vt. Lollipop figure. 104,724; June 1.
Libbey Glass Company. (See Fuerst, Edwin W., assignor.)
Lipton, Ruby, New York, N. Y. Cap. 104,787; June 1.
Locke, James N., Long Beach, Calif. Lighting standard. 104,788; June 1.
Locke, James N., Long Beach, Calif. Lighting standard. 104,789; June 1.
Lovell-Dressel Company. (See Menna, Antonio, assignor.)
MacGuire, William E., Louisville, Ky. Game board. 104,790; June 1.
Mackelfresh, William E., Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Table centerpiece. 104,791; June 1.
Mast, Clyde J. (See Riebe, Charles F., assignor.)
Mayer China Company. (See Johnson, Doris, assignor.)
Mayer China Company. (See Johnson, William T., assignor.)
McKay, Hunter, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Stair tread mat. 104,792; June 1.
Menna, Antonio, Newark, assignor to Lovell-Dressel Company, Inc., Arlington, N. J. Lantern burner. 104,793; June 1.
Meyer, Edward J., Kansas City, Mo. Automobile mudguard. 104,794; June 1.
Meyers, Wallace E., New York, N. Y. Glove. 104,795; June 1.
Michelson, Margaret, New York, N. Y. Dress. 104,796; June 1.
Miller, Frederick G., assignor to Carpenter Paper Co., Omaha, Nebr. Paper cup dispenser. 104,745; June 1.
Moore & Son, Inc. (See Gruen, John J., assignor.)
Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Draft regulating device. 104,797; June 1.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 104,798; June 1.
Nebel, Ernest A., Paterson, N. J. Stocking. 104,799; June 1.
Newnham, Eugene, and W. H. Fischer, assignors to Knapp-Monarch Company, St. Louis, Mo. Fruit juicer. 104,800; June 1.
Niagara Lithograph Company, The. (See Doig, James, assignor.)
Owens-Illinois Glass Company. (See Mackelfresh, William E., Jr., assignor.)
Packard Motor Car Company. (See Gubitz, Werner H. A., assignor.)
Partenheimer, Joseph E., assignor to Atlas Supply Company, Newark, N. J. Tire. 104,801; June 1.
Peo, Ralph F., Buffalo, N. Y. Vehicle body. 104,802; June 1.
Perper, Elfie N., New York, N. Y. Dress. 104,804; June 1.
Perper, Elfie N., New York, N. Y. Dress. 104,805; June 1.
Perugia, Andre, Paris, France. Shoe or similar article. 104,725; June 1.
Polzer, Fridolin, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Stapling implement. 104,726; June 1.
Poncher, Louis S., Chicago, Ill. Combined trunk guard and grille guard. 104,803; June 1.
Rambacher, John, New York, N. Y. Toy. 104,746; June 1.
Rauh, Frederic H., South Orange, assignor to J. Wiss & Sons Co., Newark, N. J. Combined kitchen shears and container opener. 104,727; June 1.
Reinhardt, Willard L., Shaker Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery case. 104,806; June 1.
Richards, Boggs & King, Inc. (See Richards, Harvey B., assignor.)
Richards, Harvey B., Lake Bluff, assignor to Richards, Boggs & King, Inc., Chicago, Ill. Glove protector. 104,807; June 1.
Richards, Harvey B., Lake Bluff, assignor to Richards, Boggs & King, Inc., Chicago, Ill. Apron. 104,808; June 1.
Riebe, Charles F., assignor of one-third to Clyde J. Mast, Charlo, Mont. Game table. 104,809; June 1.
Roehrich, Paul E., Hastings, N. Y., assignor to Blake Manufacturing Corporation, Clinton, Mass. Jar or similar article. 104,728; June 1.
Rosenau Bros. Inc. (See Mullen, Mary, assignor.)
Ross, Charles H., Hickory, N. C. Textile fabric. 104,810; June 1.
Ross, Charles H., Hickory, N. C. Textile fabric. 104,811; June 1.
Saccal, Oscar A., Brooklyn, N. Y. Slipper. 104,812; June 1.
Saccal, Oscar A., Brooklyn, N. Y. Slipper. 104,813; June 1.
Salzberg, Benjamin, New York, N. Y. Decorative nail. 104,747; June 1.
Samstag, Louis A., New York, N. Y. Finger ring. 104,748; June 1.
Samstag, Louis A., assignor to Elizabeth Arden Sales Corporation, New York, N. Y. Lipstick holder. 104,814; June 1.
Sarvis, Horace A., Lansing, Mich. Combination humidifier and table. 104,815; June 1.
Seat, Jay L., Fairfield, Conn. Portable fire extinguisher. 104,816; June 1.
Seat, Jay L., Fairfield, Conn. Vehicle fire extinguisher body. 104,817; June 1.
Shanzer, Max, New York, N. Y. Slipper. 104,818; June 1.
Shanzer, Max, New York, N. Y. Slipper. 104,730; June 1.
Silverman, Isador, assignor to The Forest City Rubber Company, Cleveland, Ohio. Box or similar container. 104,729; June 1.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Velocipede handle bar. 104,819; June 1.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Velocipede. 104,820; June 1.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Velocipede step plate. 104,821; June 1.
Sokoloff, Max, Woodmere, N. Y. Embroidered net. 104,749; June 1.
Sokoloff, Max, Woodmere, N. Y. Embroidered net. 104,750; June 1.
Sokoloff, Max, Woodmere, N. Y. Embroidered net. 104,751; June 1.
Sonner, Phillip J., Winfield, Kans. Gas burner. 104,752; June 1.
Sparkman, John W., Birmingham, Ala. Automobile body. 104,822; June 1.
Spelrein Luggage Corp. (See Spelrein, Max, assignor.)
Spelrein, Max, assignor to Spelrein Luggage Corp., Brooklyn, N. Y. Textile fabric. 104,753; June 1.
Spence, James E., Wheeling, W. Va., assignor to J. Hungerford Smith Company, Rochester, N. Y. Dish. 104,731; June 1.
Sperry, Philmore F., assignor to Excel Auto Radiator Company, Chicago, Ill. Automobile heater. 104,754; June 1.
Sperry, Philmore F., assignor to Excel Auto Radiator Company, Chicago, Ill. Automobile heater. 104,755; June 1.
Stark, Frederick W., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 104,732; June 1.
Steinman, William G., New York, N. Y. Dress. 104,756; June 1.
Steinman, William G., New York, N. Y. Dress. 104,757; June 1.

Swearingen, William L., Portland, Oreg. Upholstered davenport. 104,823; June 1.
Swearingen, William L., Portland, Oreg. Upholstered chair. 104,824; June 1.
Tinnerman, Albert H., Cleveland, Ohio. Stove. 104,758; June 1.
Tunick, Edward N., New York, N. Y. Dress ensemble. 104,825; June 1.
Van Keulen, Alfred N. (See Barnes, R. F., and Van Keulen.)
Wertheim, Adolph, Brooklyn, assignor to Delman, Inc., New York, N. Y. Shoe. 104,733; June 1.
Wesley, Arthur, assignor to Burton-Dixie Corporation, Chicago, Ill. Folding cot. 104,734; June 1.
Willard Storage Battery Company. (See Reinhardt, Willard L., assignor.)
Wiss, J., & Sons Co. (See Rauh, Frederic H., assignor.)
Wright, Charlie L., Kansas City, Mo. Cabinet for a parking meter or similar article. 104,759; June 1.
Ziff, Charles H., and L. S. Getz, Chicago, Ill. Bottle or similar article. 104,735; June 1.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. T. Manufacturing Company. (See Tratsch, W. A., and Grunig, assignors.)
Adams, William J., Jr., Hartsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control knob. 2,082,091; June 1.
Addressograph-Multigraph Corporation. (See Gollwitzer, Walter T., assignor.)
Addy, Charles W. (See Kinsella, E., and Addy.)
Adlake Company, The. (See Hagerty, A. T., and Mohun, assignors.)
Adlake Company, The. (See Larson, Carl H., assignor.)
Adlake Company, The. (See Pressnall, Charles A., assignor.)
Adler Manufacturing Co. (See Lewis, Dewey S., assignor.)
Agfa Ansco Corporation. (See Ochwat, P., and Wendt, assignors.)
Air Devices Corporation. (See Child, Lachlan W., assignor.)
Air Reduction Company. (See Anderson, James L., assignor.)
Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Typographical slug casting machine. 2,082,531; June 1.
Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Mold of typographical slug casting machines. 2,082,532; June 1.
Aldham, T. Edward, et al. (See Wicks, J. D., and Mowery, assignors.)
Alexander, Peter P., Marblehead, Mass. Production of calcium hydride. 2,082,134; June 1.
Allan, Stephen G., Oklahoma City, Okla. Display form. 2,082,135; June 1.
Allen, Alfred W., Philadelphia, Pa. Airship. 2,082,675; June 1.
Allen, Clile C., and G. E. Park, Chicago, Ill., and R. S. Park, Richmond, Ky. Instrument for examining the eyes. 2,081,969; June 1.
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,082,136; June 1.
Allen, John S., Worcester, Mass. Garden tool. 2,082,476; June 1.
Alles, Richard, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Synthetic tans and producing the same. 2,082,477; June 1.
Allgemeine Elektricitats Gesellschaft. (See Ebbighausen, Elimar, assignor.)
Alther, Joseph G., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Apparatus and process for heating fluids. 2,081,970; June 1.
Alther, Joseph G., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Heating oil to cracking temperatures. 2,081,971; June 1.
Alther, Joseph G., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Process and apparatus for heating fluid. 2,081,972; June 1.
Alther, Joseph G., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Heating fluids. 2,081,973; June 1.
Aluminum Company of America. (See Paine, R. E., and Harrison, assignors.)
Alwin Manufacturing Co. (See Krueger, Albert G., assignor.)
American Can Company. (See Graf, Henry, assignor.)
American Cutting Alloys, Inc., The. (See Reichmann, Reinhold, assignor.)
American Hardware Corporation, The. (See Moore, Wallace F., assignor.)
American Paper Bottle Company, The. (See Scott, Henry T., assignor.)
American Screw Company. (See. Tomalis, Joseph J., assignor.)
American Smelting and Refining Company. (See Cheavens, John H., assignor.)
American Telephone and Telegraph Company. (See Gibson, E. S., (Hansen, assignor), and Worth.)
American Telephone and Telegraph Company. (See Mowton, Edward M., assignor.)
American Telephone and Telegraph Company. (See Newby, N. D., and Moody, assignors.)
American Thread Company, The. (See Baker, Dickerson G., assignor.)
American Type Founders Company. (See Seybold, Frederick W., assignor.)
American Well Works, The. (See Walker, James D., assignor.)

Amsden, Ralph D., Lynn, Mass., assignor to General Electric Company. Electrical control system. 2,082,607; June 1.
Andersag, Hans. (See Henecka, H., and Andersag.)
Anderson, Edward L., assignor to Ripley and Gowen Company, Inc., Attleboro, Mass. Adjustable cravat holder. 2,082,747; June 1.
Anderson, Gust A., Des Moines, Iowa. Mechanical rack. 2,082,236; June 1.
Anderson, James C., Highland Park, Ill. Smoking device. 2,081,976; June 1.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Process and apparatus for fusion welding. 2,081,897; June 1.
Anderson, John E. (See Martin, E., and Anderson.)
Anderson, John P., Koppel, assignor, by mesne assignments, to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Car construction. 2,081,975; June 1.
Anderson, Ralph W., Wauwatosa, Wis. Spark destroyer for locomotives. 2,082,237; June 1.
Angus, Thomas C., Lambourne End, England. Exhaust ventilating hood for industrial and other purposes. 2,082,374; June 1.
Appelius, Fritz, Berlin-Shandau, assignor to Telephon-Apparat Fabrik-E. Zwietusch and Company, Berlin, Germany. Paystation telephone system. 2,082,561; June 1.
Applegate, Lindsay M., Seattle, Wash., assignor, by mesne assignments, to Collins Radio Company, Cedar Rapids, Iowa. Sound transmission and reproduction. 2,081,904; June 1.
Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cable suspension. 2,081,974; June 1.
Ashley, Carlyle M., South Orange, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Air conditioning system for vehicles employing steam ejectors. 2,081,905; June 1.
Associated Electric Laboratories, Inc. (See Mahoney, Harry P., assignor.)
Associated Telephone and Telegraph Company. (See Harrison, Harry H., assignor.)
Atlantic Refining Company, The. (See Hassler, A. E., and Field, assignors.)
Austro-Daimler-Puchwerke A-G. (See Hacker, Oskar, assignor.)
Autographic Register Company. (See Borchers, William G., assignor.)
Autographic Register Co. (See Brenn, Carl W., assignor.)
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window structure for vehicles. 2,081,896; June 1.
Ayres, Arthur U., Chestnut Hill, assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal separator. 2,082,608; June 1.
Badel, Jules L., Geneva, Switzerland. Metal element for use in erecting toy building structures. 2,082,138; June 1.
Baker, Abner D., Swanton, Ohio. Auxiliary gear mechanism. 2,082,092; June 1.
Baker, Burton W., Ventura, Calif. Beer coil drainage system. 2,082,137; June 1.
Baker, Dickerson G., Holyoke, Mass., assignor to The American Thread Company, New York, N. Y. Thread winding machine. 2,082,609; June 1.
Bali, Harry V., Concord, Mass., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 2,081,906; June 1.
Bamberger, Curt. (See Weinand, K., and Bamberger.)
Bankson, William R., Pittsburgh, Pa. Hedge trimmer. 2,082,610; June 1.
Barber, Alfred W., Flushing, N. Y. Electrical apparatus. 2,082,317; June 1.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet fed multicolor rotary printing press. 2,082,318; June 1.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet fed multicolor rotary printing press. 2,082,319; June 1.
Barrett Company, The. (See Miller, S. P., and Sutherland, assignors.)
Barrett Company, The. (See Sutherland, Leslie T., assignor.)

Barthélemy, Henri L., and E. E. Huffman, Rome, Ga., assignors to Tubize Chatillon Corporation, New York, N. Y. Manufacturing acetyl cellulose of improved clarity. 2,082,238; June 1.
Bassetti, Adam H., West Haven, Conn. Safety bracket for dump bodies. 2,082,139; June 1.
Bassick Company, The. (See Logie, Thomas T., assignor.)
Bates, Beulah H. (See Bates, Walter A., assignor.)
Bates, Walter A., assignor to B. H. Bates, Gary, Ind. Grating. 2,082,197; June 1.
Battle Creek Bread Wrapping Machine Company. (See Littlefield, Carl, assignor.)
Bauer, William S., London, England. Mat for the use of golfers. 2,082,563; June 1.
Baur, Elisabeth, geb. Venedey, administratrix. (See Baur, Erwin.)
Baur, Erwin, deceased, by E. Baur, geb. Venedey, administratrix, Muncheberg/Mark, Germany, assignor to Saatgut-Erzeugungs-Gesellschaft m. b. H., Berlin, Germany. Producing animal feed. 2,082,198; June 1.
Baxter, Gertrude A. C., East Orange, N. J. Garment loop attachment. 2,082,438; June 1.
Bazzi, Federico, Milan, Italy. Means for congealing liquids. 2,082,439; June 1.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-covering machine. 2,082,043; June 1.
Beamer, Clayton M., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparing tertiary alkyl phenols. 2,082,044; June 1.
Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America, New York, N. Y. Television system. 2,082,093; June 1.
Becker, Frank N. (See Zeisloft, O., and Becker.)
Beers, George L., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric wave reception. 2,082,478; June 1.
Behr-Manning Corporation. (See Schacht, Elmer C., assignor.)
Beiler, Christian S., Gordonville, Pa. Emergency lantern. 2,082,676; June 1.
Bell, Robert A. (See Nonhebel, G., and Bell.)
Bell Telephone Laboratories, Incorporated. (See Adams, William J., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bredehoft, Harold A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cesareo, Orfeo, assignor.)
Bell Telephone Laboratories, Incorporated. (See Cruser, Victor I., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fisher, Joseph R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gibson, E. S., and Worth, assignors, and Hanson.)
Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Langabeer, Harvey T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ronci, Victor L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Samuel, Arthur L., assignor.)
Belluche, Elmer W. and F. R., assignors to Christensen Machine Company, Racine, Wis. Sheet feeding machine. 2,082,239; June 1.
Belluche, Elmer W. and F. R., Racine, Wis. Method of and apparatus for feeding sheets. 2,082,240; June 1.
Belluche, Frank R. (See Belluche, Elmer W., and F. R.)
Belsinger, Inc. (See Belsinger, Samuel P., assignor.)
Belsinger, Samuel P., assignor to Belsinger, Inc., Atlanta, Ga. Shipping container. 2,082,677; June 1.
Bendix Aviation Corporation. (See Seward, Clarence L., Jr., assignor.)
Bendz, Waldemar I., Arlington, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Acceleration control system. 2,081,977; June 1.
Benge, Frank H., Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Pipe fitting and like article. 2,082,611; June 1.
Benjamin, Harry S., Utica, N. Y. Coin controlled vending machine. 2,082,533; June 1.
Benjamin, Sidney H., Milwaukee, Wis. Safety razor blade-package carrier. 2,082,440; June 1.
Bennett, Arthur F., West Barrington, and A. L. Krause, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company. Milling machine. 2,082,140; June 1.
Bennett, Mills T., East Cleveland, Ohio. Tiling. 2,082,241; June 1.
Benoit, Leon, New York, N. Y. Filler package. 2,082,564; June 1.
Benoit, Leon, New York, N .Y. Machine for assembling cartons. 2,082,565; June 1.
Benson, Oliver R., Chicago, Ill. Vehicle stabilizer. 2,081,978; June 1.
Bentley, Ferdon D., Detroit, Mich., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Ignition coil system. 2,081,979; June 1.
Beran, Anton A., Claflin, Kans. Scraper. 2,082,141; June 1.
Berchet, Gerard J. (See Carothers, W. H., and Berchet.)
Berck, William F., assignor to Ralph N. Brodie Company, Oakland, Calif. Setting mechanism for predetermining counters. 2,082,375; June 1.
Berman, Adolph, New York, N. Y. Visual content indicator. 2,082,320; June 1.
Berndt, Arthur A., assignor to Electroline Corporation, Chicago, Ill. Connecter. 2,082,566; June 1.
Berni, Philip, assignor of one-half to J. M. Cahaney, Dennison, Ohio. Receptacle. 2,082,760; June 1.
Berry, Charles R., et al. (See Freudenberg, Albert C., assignor.)
Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Counting mechanism for soles and other articles. 2,082,045; June 1.
Bertschinger, Charles F., Rosedale, assignor, by mesne assignments, of three-fourths to Tide Water Associated Oil Company, New York, N. Y. Can-opening funnel. 2,082,094; June 1.
Beryllium Corporation, The. (See Claflin, Harry C., assignor.)
Betner, Benjamin C., Company. (See Logan, James J., assignor.)
Bijur, George, executor. (See Bijur, Joseph.)
Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubricating apparatus. 2,081,907; June 1.
Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Centralized lubricating apparatus. 2,082,768; June 1.
Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 2,082,769; June 1.
Bijur, Joseph, deceased, New York, N. Y., by G. Bijur, executor, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 2,082,770; June 1.
Bird, James G. (See Foran, E. V., Parker, and Bird.)
Bird, Whitworth F., Springfield, and W. R. Hewton, assignors to Collins & Aikman Corporation, Philadelphia, Pa. Loom. 2,082,321; June 1.
Bishop & Babcock Mfg. Company, The. (See Bondurant, Carlton W., assignor.)
Bissell Carpet Sweeper Company. (See Pullen, Fred W., assignor.)
Black, Irving E., F. J. Hoffer, and H. B. Silver, assignors to Plastic Seal Corporation, Brooklyn, N. Y. Container sealing machine. 2,081,908; June 1.
Bleam, Edgar W., assignor to Stokes and Smith Company, Philadelphia, Pa. Filling system. 2,082,567; June 1.
Blewett, John, assignor to The Murray Company, Dallas, Tex. Braking mechanism. 2,081,898; June 1.
Block, Harold C. (See Layne, L. A., and Block.)
Bloss, Richard R., and R. C. Pfeil, assignors to The International Derrick & Equipment Company, Columbus, Ohio. Counterbalancing device. 2,082,761; June 1.
Board of Trustees of the University of Illinois. (See Johnstone, Henry F., assignor.)
Bock, Bernd v. (See Holzach, K., and Bock.)
Boettner, John F., Watson, Mo. Flying machine. 2,082,376; June 1.
Bondurant, Carlton W., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Apparatus for filling liquid receptacles. 2,082,534; June 1.
Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,082,142; June 1.
Borchers, William G., assignor to Autographic Register Company, Hoboken, N. J. Manifolding device. 2,082,729; June 1.
Borden Company, The. (See McClatchie, John M., assignor.)
Borg-Warner Corporation. (See Reed, Harold V., assignor.)
Borloz, Leopold C. (See Schultz, R. H., Siebert, and Borloz.)
Boss, Tyre G., Alton Park, Tenn. Display and storage refrigerator. 2,082,377; June 1.
Bossart, Paul N., Cheswick, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric signaling system. 2,082,143; June 1.
Bourdon, Russell G., assignor of one-third to L. H. Rietdyk, and one-third to R. H. McGowan, Muskegon, Mich. Signal and brake testing device for motor cars and the like. 2,082,535; June 1.
Bourquin, Edgar, Framingham, Mass., assignor to Warren Telechron Company. Advertising clock. 2,082,612; June 1.
Bouton, Edgar M., and H. W. Williams, assignors to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator control system. 2,081,980; June 1.
Bowen, William S., Westfield, N. J. Apparatus for spray drying. 2,081,909; June 1.
Bowen, William S., Westfield, N. J. Dust collector. 2,082,242; June 1.
Bower, George W., Wesleyville, Pa., assignor to General Electric Company. Hydraulic operating mechanism. 2,082,613; June 1.
Bowers, Don S., Tulsa, Okla. Thread protector. 2,082,144; June 1.
Bowers, Helen S. (See Fritts, Howard S., assignor.)
Box, Ernest R. (See Powell, A. R., and Box.)
Boyce, John A., deceased, by J. F. Thomas, administrator, assignor to J. Boyce, Berkeley, Calif. Multicolor printing machine. 2,082,145; June 1.

Boyce, Josie. (See Boyce, John A., assignor.)
Brackett, Clare L. (See Stoll, Albert, assignor.)
Bradley, William, Addingham, England. Brake controlled mechanism. 2,082,378; June 1.
Bradshaw, William M., Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Detachable polyphase watthour meter. 2,081,981; June 1.
Brandt, Henry E., St. Paul, assignor to The Dobbins Manufacturing Company, North St. Paul, Minn. Dispensing device. 2,082,146; June 1.
Brandt, Thomas F., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Bushing insulator. 2,082,046; June 1.
Bredehoft, Harold A., Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ringer. 2,082,095; June 1.
Brenn, Carl W., Montclair, assignor to Autographic Register Co., Hoboken, N. J. Manifolding device. 2,082,730; June 1.
Bridge, Lawrence D., Blairsville, Pa. Automobile running board. 2,081,899; June 1.
Brierley, Claude E., Utica, N. Y. Automatic-loom shuttle. 2,082,678; June 1.
Bristol Company, The. (See Hunt, Ozro H., assignor.)
Brittain, Richard J., Jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Press fitting. 2,082,379; June 1.
Brodie, Ralph N., Company. (See Berck, William F., assignor.)
Brodie, Ralph N., Company. (See Granberg, Albert J., assignor.)
Brodrick, Leo H., New York, N. Y. Sealed container. 2,082,614; June 1.
Broeren, Frank L., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Folded napkin. 2,082,731; June 1.
Brogden, Joah. (See Shaw, H. E., and Brogden.)
Bronson, Budd, assignor to The Ohio Rubber Company, Cleveland, Ohio. Floor covering. 2,082,047; June 1.
Brooks, Frank S. (See Parker, W. H., Seibert, and Brooks.)
Brown & Bailey Company. (See Costigan, Harry V., assignor.)
Brown, Charles W., Norwich, Conn., assignor to The United States Finishing Company, Providence, R. I. Pantograph. 2,082,615; June 1.
Brown, Frank K., South Dartmouth, assignor to Continental Screw Company, New Bedford, Mass. Combined socket and slotted screw. 2,082,748; June 1.
Brown, George H., Haddonfield, N. J., assignor to Radio Corporation of America. Radio transmission system. 2,082,096; June 1.
Brown, George L., Clearwater, Fla. Combined hand and automatically controlled transmission. 2,082,679; June 1.
Brown, Ned C. L., Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Car retarder for railroads. 2,081,901; June 1.
Brown, Ned C. L., Scottsville, and G. M. Seidel, Rochester, assignors to General Railway Signal Company, Rochester, N. Y. Automatic switching system for railroads. 2,071,900; June 1.
Brown and Sharpe Manufacturing Company. (See Bennett, A. F., and Krause, assignors.)
Bryant, Don W., assignor of one-fourth to D. B. Shapiro, and one-fourth to B. H. Sachar, Chicago, Ill. Bicycle. 2,082,147; June 1.
Brundage, Alfred H., Maplewood, N. J. Water purifier and filter. 2,082,322; June 1.
Buchanan, Gordon, East Orange, N. J., assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Crusher pitman. 2,081,982; June 1.
Buerke, Elsie A., administratrix. (See Buerke, Jesse C.)
Buerke, Jesse C., deceased, Tampa, Fla., E. A. Buerke, administratrix. Traffic control. 2,082,479; June 1.
Bulldog Electric Products Company. (See Frank, William H., assignor.)
Bullick, Clarence J., Camlachie, Ontario, Canada. Hydraulic governor. 2,082,680; June 1.
Burgess, John. (See Greer, R. H., Jr., Burgess, and Ohme.)
Burke, Burt S. (See West, C. P., and Burke.)
Burrows, Robert J., and A. O. Williams, Battle Creek, assignors, by mesne assignments, to Clark Equipment Company, Buchanan, Mich. Rail car. 2,082,536; June 1.
Burt, F. N., Company. (See Coppins, Harold C., assignor.)
Bush, Eugene S. (See Smith, E. J., and Bush.)
Bushnell, Charles S. (See Judge, T. J., and Bushnell.)
Bussey, Raymond L., assignor to Coating Machinery Corporation, New York, N. Y. Forming receptacles. 2,082,323; June 1.
Butler, Guy M., Chipperfield, England. Running and like athletic shoe. 2,082,537; June 1.
Cahaney, James M. (See Berni, Philip, assignor.)
Cameron Machine Company. (See Johnstone, Robert McC., assignor.)
Campbell, A. S., Co. (See Campbell, Alphonso S., assignor.)
Campbell, Alphonso S., Winchester, assignor to A. S. Campbell Co., Inc., East Boston, Mass. License plate frame. 2,082,732; June 1.
Campbell, Frank G. (See Turnepseed, Clarence, assignor.)
Campbell, John L., Oakland, Calif. Railway tie plate and rail clip. 2,082,148; June 1.
Campbell, Robert J., Sacramento, Calif. Beer foam remover and advertising device. 2,082,681; June 1.
Campbell, Wyant & Cannon Foundry Company. (See Dake, Charles W., assignor.)
Capra, Mary, Alameda, Calif. Table and drier combination. 2,082,380; June 1.
Cardenas, Alexander F., Chicago, Ill. Device for filtering and cooling oil. 2,082,682; June 1.
Carlson, Hjalmar E., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Bunch rolling table suction control. 2,081,983; June 1.
Carothers, Wallace H., Arden, and G. J. Bercht, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., Vinylethinyl derivatives and producing same. 2,082,568; June 1.
Carothers, Wallace H., and R. A. Jacobson, Arden, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinylethinyl derivatives and preparing same. 2,082,569; June 1.
Carr, Charles R., assignor to The Murray Company, Dallas, Tex. Seed pan for cotton linters. 2,081,902; June 1.
Carr, Charles R., assignor to The Murray Company, Dallas, Tex. Removable brush cover for cotton linters. 2,081,903; June 1.
Carr-Lowrey Glass Co. (See Garwood, Charles B., assignor.)
Carr, Mark W., Keighley, England. Heald of looms for weaving. 2,082,480; June 1.
Carrier Corporation. (See Ashley, Carlyle M., assignor.)
Carter, Henry C., Dearborn, Mich. Steel for musical instruments. 2,082,683; June 1.
Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Tubular electric incandescent lamp. 2,082,616; June 1.
Carvalho, Leslie R. N., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Closure. 2,082,617; June 1.
Celanese Corporation of America. (See Hale, F. C., and Tyce, assignors.)
Celanese Corporation of America. (See Haney, Clifford I., assignor.)
Celanese Corporation of America. (See Jenett, Henry, assignor.)
Celanese Corporation of America. (See Kinsella, E., and Addy, assignors.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Cesareo, Orfeo, Washington Township, Bergen County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,082,097; June 1.
Chachula, Andrew, West Ollis, Wis. Pulley. 2,082,684; June 1.
Chamberlain, James M. W., Akron, Ohio. Shipping and/or storing perishable commodities. 2,082,381; June 1.
Chandler & Price Company, The. (See Root, Charles F., assignor.)
Chaney Manufacturing Company, The. (See Herold, Walter F., assignor.)
Charlton, Richard C., Philadelphia, assignor to Henry Disston & Sons, Incorporated, Tacony, Pa. File and like tool. 2,082,685; June 1.
Cheavens, John H., Samne, Peru, assignor to American Smelting and Refining Company, New York, N. Y. Reagent feeder. 2,082,149; June 1.
Chemische Fabrik von Heyden, A. G. (See von Hoessle, Carl H., and Müller, assignors.)
Chicago Pneumatic Tool Company. (See Harcourt, George T., assignor.)
Chicago Pneumatic Tool Company. (See Lear, Earl B., assignor.)
Child, Lachlan W., Toledo, Ohio, assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill. Air conditioner. 2,082,441; June 1.
Christensen Machine Company. (See Belluche, Elmer W., and F. R., assignors.)
Christian, Raymond A., assignor to The National Cash Register Company, Dayton, Ohio. Calculating machine. 2,082,098; June 1.
Christiansen, Christian, Fargo, N. Dak. Load lifter-actuating means. 2,082,686; June 1.
Christofferson, Charles, assignor to Universal Air Filter Corporation, Duluth, Minn. Air filter for ventilating systems or apparatus. 2,082,481; June 1.
Cincinnati Milling Machine Co., The. (See Howe, Wilfred H., assignor.)
Claflin, Harry C., Marysville, Mich., assignor to The Beryllium Corporation, New York, N. Y. Obtaining beryllium fluoride solutions. 2,082,984; June 1.
Clark Equipment Company. (See Burrows, R. J., and Williams, assignors.)
Clay, William C. (See Theodorsen, T., and Clay.)
Clerk, Robert C., Kingston, Jamaica, British West Indies. Gear-changing mechanism for motor vehicles. 2,082,382; June 1.
Cleveland Automatic Machine Company, The. (See Rupple, Harry W., assignor.)
Cleveland Trust Company, The. (See Methudy, Carl E., assignor.)
Clipper Piston Ring Corporation. (See Hodge, James G., assignor.)
Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)
Clymer, Vincent S. (See Smith, William J., assignor.)

Coating Machinery Corporation. (See Bussey, Raymond L., assignor.)
Coffman, Alden W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Reenforced abrasive member and making the same. 2,082,150; June 1.
Cohen, Bernard J., Brockton, assignor to Howard Paper Company, Inc., Boston, Mass. Shoe protector. 2,082,482; June 1.
Coleman, Clarence E., Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Extrusion device. 2,082,618; June 1.
Collier-Keyworth Company. (See Keyworth, Edward C., assignor.)
Collins & Aikman Corporation. (See Bird, W. F., and Hewton, assignors.)
Collins Radio Company. (See Applegate, Lindsay M., assignor.)
Columbia Carbon Company, The. (See Heck, Adolph M., assignor.)
Combustion Engineering Company. (See Smith, Alfred R., assignor.)
Commonwealth Steel Company. (See Frede, C. F., and Howard, assignors.)
Compagnie Generale de Telegraphie Sans Fil. (See Grumel, Henri, assignor.)
Conkey, Alger L., Orlando, Fla. Automobile trailer. 2,082,273; June 1.
Consolidated Gas Electric Light and Power Company of Baltimore. (See Karrer, Sebastian, assignor.)
Consolidated Water Power & Paper Company, et al. (See Massey, P. J., Thiele, and Raprager, assignors.)
Continental-Diamond Fibre Company. (See Benge, Frank H., assignor.)
Continental Screw Company. (See Brown, Frank K., assignor.)
Coppins, Harold C., Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Forming machine. 2,081,910; June 1.
Coppins, Harold C., Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Applying machine. 2,081,911; June 1.
Coppins, Harold C., Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Applying machine. 2,081,912; June 1.
Coppins, Harold C., Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Forming and assembling machine. 2,081,913; June 1.
Corbett, Miles A., London, England. Treatment of mineral sand for the separation of one constituent therein from another. 2,082,383; June 1.
Corcoran, Frank W., Los Angeles, Calif. Locomotive drifting mechanism. 2,082,274; June 1.
Cornwell, Ralph T. K., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Metallized product and preparing the same. 2,081,985; June 1.
Corwin, Howard D. (See Fox, H. W., Riddell, and Corwin.)
Costigan, Harry V., assignor to Brown & Bailey Company, Philadelphia, Pa. Display box. 2,082,762; June 1.
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Crafts, Curtis S., Oak Park, Ill., and S. D. Livingston, Freeport, N. Y., assignors to The Goss Printing Press Company, Chicago, Ill. Printing press. 2,082,324; June 1.
Crest Mfg. Co. (See Le Tarte, Alexander, assignor.)
Cross, Frank H., Cleveland, Ohio. Valve. 2,082,325; June 1.
Cruser, Victor I., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Conductor support. 2,082,099; June 1.
Daimler, Karl, and C. Platz, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Substituted betaines. 2,082,275; June 1.
Dain Manufacturing Company of Iowa. (See Jones, Frank D., assignor.)
Dake, Charles W., Grand Haven, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Forming brake drums. 2,082,199; June 1.
Dalmo Sales Corporation. (See Stafford, Sedley S., assignor.)
Damrow Brothers Company. (See Damrow, Edward C., assignor.)
Damrow, Edward C., assignor to Damrow Brothers Company, Fond du Lac, Wis. Cheese hoop. 2,082,570; June 1.
Dau, Eberhard H., Ingram, Pittsburgh, Pa. Separable fastener. 2,082,619; June 1.
David, Lyn, and A. Rosenblatt, New York, N. Y. Laundry finishing machine. 2,082,243; June 1.
Davidson, Julius R., Chicago, Ill., assignor to Kensington, Incorporated, New Kensington, Pa. Server for cigarettes or the like. 2,082,442; June 1.
Davies & Metcalfe Limited. (See Metcalfe, Richard D. and J. C., assignors.)
Davis, Abner F. H., Los Angeles, Calif., assignor to Faries Manufacturing Company, Decatur, Ill. Lighting unit. 2,082,687; June 1.
Davis, Julius, New York, N. Y. Making comforters. 2,081,986; June 1.
Dawson, John W., East McKeesport, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical control system. 2,081,987; June 1.
De Bruin, Alfred C., Columbus, Ohio. Motion transforming mechanism. 2,082,483; June 1.
Deere & Company. (See Kirby, Frederick W., assignor.)
Deere & Company. (See Paradise, Louis A., assignor.)
Deere & Company. (See Silver, Walter H., assignor.)
Defender Photo Supply Company. (See Odell, Isaac N., assignor.)
Dekker, Corneil, Oakglen, Ill. Onion set planter. 2,082,688; June 1.
Delta-Star Electric Company, The. (See Rah, Joseph C., assignor.)
De Poix, Félix M. J. T., Rueil, assignor to Societe H. & F. de Poix & Cie, Rueil, (S. & O.), France. Cushion particularly for seats and back supports of vehicles. 2,082,151; June 1.
Desjardins, Alfred J., Manchester, N. H., assignor to G. Greenspan, New York, N. Y. Thread tension equalizing device. 2,082,443; June 1.
Deutsche Gold und Silber Scheideanstalt vormals Roessler. (See Scheller, Emil, assignor.)
Deutsche Perrot-Bremse G. m. b. H. (See Muenz, Karl, assignor.)
De Vault, James L., et al. (See Olsen, Horace W., assignor.)
De Ville, Edward J., Halethorpe, Md. Catamenial device. 2,082,276; June 1.
Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake shoe guide. 2,082,244; June 1.
Dicke, Oscar H. (See Hitchcock, F. B., and Dicke.)
Dicke, Oscar H. (See Preston, N. D., and Dicke.)
Dicke, Oscar H., and F. B. Hitchcock, assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 2,082,152; June 1.
Dickerson, Bert A., assignor to Faries Manufacturing Company, Decatur, Ill. Portable lamp. 2,082,689; June 1.
Dierfeld, Benno R., Berlin-Friedenau, Germany. Brake for motor vehicles. 2,082,277; June 1.
Disston, Henry, & Sons, Incorporated. (See Charlton, Richard C., assignor.)
Dobbins Manufacturing Company, The. (See Brandt, Henry E., assignor.)
Dodge, Adiel Y., South Bend, Ind. Transmission. 2,082,444; June 1.
Dodge, Adiel Y., South Bend, Ind. Machine for sterilization by compression. 2,082,445; June 1.
Dopyera, John, Los Angeles, Calif. Facial steaming pad. 2,082,153; June 1.
Dorer, Oscar H., East Orange, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Centrifugal separator. 2,082,690; June 1.
Dorey, William A., and T. W. Rolph, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Light spreading lens. 2,082,100; June 1.
Dornin, George A., Baltimore, Md. Method and apparatus for stripping ingots. 2,082,571; June 1.
Dougherty, Elmer E., Glen Ridge, N. J., assignor of one-half to N. I. Stone, New York, N. Y. Treating a mixture of calcium and magnesium hydroxides. 2,082,101; June 1.
Dow, Jennings B., United States Navy, Washington, D. C. Electrostatic condenser. 2,081,914; June 1.
Dreyfus, Henry, London, England. Manufacture of lower aliphatic anhydrides. 2,081,988; June 1.
Dulberg, Jasper, Astoria, assignor of two-thirtieths to B. Provisor, Brooklyn, three-thirtieths to J. S. Freeman, Brooklyn, N. Y., and one-third to P. S. McLean, Bloomfield, N. J. Electric lamp. 2,082,326; June 1.
Du Mont, Allen B., Laboratories, Inc. (See Du Mont, Allen B., assignor.)
Du Mont, Allen B., assignor to Allen B. Du Mont Laboratories, Inc., Upper Montclair, N. J. Current generator and converter. 2,082,327; June 1.
Dunham, Irvie H., assignor to Electric Motor Corporation, Racine, Wis. Adjustable gear reduction unit. 2,082,446; June 1.
Dunlop, James, Park Ridge, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Moving stairway. 2,081,989; June 1.
Dunn, Alfred D., Honomu, Hawaii. Dual wheel. 2,082,384; June 1.
Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., and Berchet, assignors.)
Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., and Jacobson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Coleman, Clarence E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Henke, C. O., and Lockwood, assignors.)
Du Pont, E. I., de Nemours & Company. (See Nollau, Edgar H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Reichert, J. S., and Elliott, assignors.)
Du Pont, E. I., de Nemours & Company. (See Vittengl, Morgan J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wuertz, A. J., and Lycan, assignors.)
Dykman, William N. (See Heinecke, William, assignor.)
Dykstra, James, and A. M. Wauters, Lansing, assignor to General Motors Corporation, Detroit, Mich. Throttle hook-up. 2,082,538; June 1.
Easthampton Rubber Thread Co. (See Shaw, Kenneth R., assignor.)

Eastman Kodak Company. (See McRae, Daniel B., assignor.)
Ebbighausen, Elimar, assignor to Allgemeine Elektricitats Gesellschaft, Berlin, Germany. Station selector for radio receivers. 2,082,484; June 1.
Eberwein, Josef, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Furnace. 2,081,990; June 1.
Eden, Charles H., et al. (See Wicks, J. D., assignor, and Mowery.)
Edmiston, Henry W., Philadelphia, Pa., assignor to Majestic Silk Mills, Inc., New York, N. Y. Moistureproof nethergarment. 2,081,915; June 1.
Edwards, O. M., Company, The. (See Axe, Roy T., assignor.)
Eggert, John, Leipzig-Gohlis, and G. Heymer, Wolfen Kreis Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for projecting lenticular film. 2,082,154; June 1.
Ehnts, Fred H. (See Schneider, F. K., and Ehnts.)
Eichstädt, Karl, Berlin-Friedenau, Germany, assignor to Oxford Varnish Corporation, Detroit, Mich. Photomechanical reproduction of animal skins and the like. 2,081,916; June 1.
Eissner, Erich, Chemnitz, Germany, assignor to Karl Lieberknecht G. m. b. H., Oberlungwitz, Saxony, Germany. Production of hosiery. 2,082,385; June 1.
Eklund, George, North Attleboro, Mass., assignor to J. F. Sturdy's Sons Co. Bracelet buckle. 2,082,621; June 1.
Elder, Thomas A. (See Pike, O. W., and Elder.)
Electric Household Utilities Corporation. (See Hume, John T., assignor.)
Electric Motor Corporation. (See Dunham, Irvie H., assignor.)
Electric Storage Battery Company, The. (See Woodbridge, Joseph L., assignor.)
Electroline Corporation. (See Berndt, Arthur A., assignor.)
Ellefsen, Bjarne, Brooklyn, N. Y. Individual wheel-suspension for vehicles. 2,082,620; June 1.
Ellicott Machine Corporation. (See Smith, George, assignor.)
Elliott, Ralph B. (See Reichert, J. S., and Elliott.)
Ensign, Harris N., Los Angeles, and H. A. Hanson, West Los Angeles, assignors to Paramount Productions, Inc., Los Angeles, Calif. Tension device for film reel. 2,082,328; June 1.
Ernst, Carl J., assignor of one-half to O. F. Gargen, Milwaukee, Wis. Painting and decorating. 2,082,050; June 1.
Errera, Attilio, Turin, Italy. Cash register and computing machine. 2,082,155; June 1.
Evans, E. S., & Sons. (See Evans, Robert B., assignor.)
Evans, Robert B., Detroit, Mich., assignor to E. S. Evans & Sons. Windshield wiping motor. 2,082,485; June 1.
Everett, Arthur C., Boston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Closure applying machine. 2,082,048; June 1.
Exhibit Supply Company. (See Radtke, B., and Gosswiller, assignors.)
Exner, Donald W., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reverse-current switch. 2,081,991; June 1.
Falconer, Leo P., Milwaukee, Wis. Fur cleaning device. 2,082,051; June 1.
Fallert, Clifford D., assignor to Robert Gaylord, Inc., St. Louis, Mo. Container. 2,082,200; June 1.
Faries Manufacturing Company. (See Davis, Abner F. H., assignor.)
Faries Manufacturing Company. (See Dickerson, Bert A., assignor.)
Farley, Eliot. (See Townsend, R. S., and Farley.)
Farnsworth Television Company. (See Varian, Russell H., assignor.)
Farrelly, Joseph, Pelham, N. Y. Closure device. 2,082,691; June 1.
Felix, Friedrich, and W. Huber, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs. 2,082,156; June 1.
Ferguson, Robert R., Chevy Chase, Md., assignor of one-fourth to J. G. Graham, Alexandria, Va., and one-fourth to P. V. Rogers, Chevy Chase, Md. Oil and moisture-proofing composition and products made therefrom. 2,082,278; June 1.
Field, Hugh W. (See Hassler, A. E., and Field.)
Filshie Lead Head Nail Company. (See Upton, John M., assignor.)
Finch, William G. H., New York, N. Y. High speed telepicture system. 2,082,692; June 1.
Fink, Colin G., New York, N. Y. Aluminum coated metal and producing the same. 2,082,622; June 1.
Fischer, Edward L., Davenport, Iowa. Flow meter. 2,082,539; June 1.
Fisher, Joseph R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistance element. 2,082,102; June 1.
Flygare, Carl G. (See Griffing, H. F., and Flygare.)
Flygare, Carl G. (See Wood, W. H., and Flygare.)
Flynn, Benjamin H., Alexandria, La. Endless-tread machine-supporting means. 2,082,693; June 1.
Foley, Lyndon L., Tulsa, Okla. Silt collector for reservoirs. 2,082,694; June 1.
Folmer Graflex Corporation. (See Moomaw, Lewis H., assignor.)
Foran, Edwin V., Texon, S. S. Parker, Houston, and J. G. Bird, Andrews, Tex., assignors to Hydril Company, Los Angeles County, Calif. Drilling and simultaneously exploring oil wells and the like. 2,082,329; June 1.
Fore, Jesse B., Graham, Tex. Clip insulator. 2,082,279; June 1.
Foster, Roy W., assignor to Knowles Foundry and Machine Company, Ottawa, Ill. Furnace grate. 2,082,201; June 1.
Fox, Gordon, and O. R. Rice, assignor to Freyn Engineering Company, Chicago, Ill. Tuyère. 2,082,280; June 1.
Fox, Hiram W., A. A. Riddell, and H. D. Corwin, assignors to Fox Machine Company, Jackson, Mich. Multiple spindle drilling machine control. 2,082,103; June 1.
Fox Machine Company. (See Fox, H. W., Riddell, and Corwin, assignors.)
Franck, Siegfried. (See Gebhardt, W., and Franck.)
Frank, William H., assignor to Bulldog Electric Products Company, Detroit, Mich. Electrical distribution system. 2,082,281; June 1.
Frankfurt, Samuel, Cleveland, Ohio. Boat. 2,082,202; June 1.
Frede, Charles F., and K. S. Howard, St. Louis, Mo., assignors to Commonwealth Steel Company, Granite City, Ill. Hydraulic gun. 2,082,330; June 1.
Freeman, Joel S., et al. (See Dulberg, Jasper, assignor.)
Freese, Hermann. (See Liedtke, H., and Freese.)
Frenkel, Gennady, Surbiton, England. Process and apparatus for the manufacture of films and foils. 2,082,486; June 1.
Freudenberg, Albert C., assignor to C. R. Berry and H. A. Gamble, Greenville, Miss. Cotton picker. 2,082,053; June 1.
Freyn Engineering Company. (See Fox, G., and Rice, assignors.)
Frick, Frederick F., Anaconda, Mont., assignor to International Smelting and Refining Company, East Chicago, Ind. Metallurgy of tin. 2,082,487; June 1.
Friebus, Reginald T., Montclair, N. J., assignor, by mesne assignments, to Western Electric Company Incorporated. Motion picture projecting apparatus. 2,082,488; June 1.
Fritts, Howard S., assignor of one-half to H. S. Bowers, Washington, N. J. Antiskid device. 2,082,386; June 1.
Frost, Myron O., Richmond Heights, and P. Mattier, St. Louis, Mo., assignors, by mesne assignments, to The Lamson Company, Syracuse, N. Y. Shoe drier. 2,082,052; June 1.
Fuoyl Engine Corporation. (See Ulrich, Julius M., assignor.)
G-M Laboratories, Inc. (See McMaster, Archie J., assignor.)
Gamble, Hugh A., et al. (See Freudenberg, Albert C., assignor.)
Gammeter, John R. (See Van Hyning, Rollyn, assignor.)
Garbell, Max, assignor to Victor Adding Machine Compny, Chicago, Ill. Printing mechanism for adding and recording machines. 2,082,282; June 1.
Gardiner, Elmslie W., Berkeley, J. W. Greene, Richmond, and A. L. Lyman, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Making high viscosity index lubricating oils. 2,082,204; June 1.
Gardiner, Elmslie W., J. W. Greene, and A. L. Lyman, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Making high viscosity index lubricating oils. 2,082,203; June 1.
Gardner, Frank, Dallas, Tex. Sweetening a hydrocarbon oil. 2,082,331; June 1.
Gargen, Otto F. (See Ernst, Carl J., assignor.)
Garrison, John H., Lodi, Calif. Irrigation signal. 2,082,763; June 1.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,081,917; June 1.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,081,918; June 1.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,081,919; June 1.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,081,920; June 1.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drilling feeding mechanism. 2,081,921; June 1.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drilling mechanism. 2,081,922; June 1.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling apparatus. 2,081,923; June 1.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drill steel rotation mechanism. 2,081,924; June 1.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 2,082,205; June 1.
Garwood, Charles B., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Producing glass containers. 2,082,695; June 1.
Gasoline Products Company. (See Keith, Percival C., Jr., assignor.)
Gaudreau, Joseph E., South Ashburnham, and R. A. Miner, Winchenden, Mass. Combination powder box and puff. 2,082,049; June 1.

Gauss, David B., assignor to H. L. G. Company, Kalamazoo, Mich. Water softening system. 2,082,623; June 1.
Gautier, Trevor R., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Gummed tape dispenser. 2,082,733; June 1.
Gavlak, Joseph G., Monongahela, Pa. Bathtub mat. 2,081,992; June 1.
Gaylord, Robert, Inc. (See Fallert, Clifford D., assignor.)
Geare, Randolph E. S., assignor to L. H. Gilmer Co., Philadelphia, Pa. Flat belt drive. 2,082,540; June 1.
Gebhardt, Wilhelm, Nuremburg, and S. Franck, Stein, near Nuremburg, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Small synchronous motor. 2,081,993; June 1.
General Aniline Works, Inc. (See Daimler, K., and Platz, assignors.)
General Aniline Works, Inc. (See Holzach, K., and Bock, assignors.)
General Aniline Works, Inc. (See Krünzlein, G., Greune, Schultheis, and Langbein, assignors.)
General Aniline Works, Inc. (See Schlichenmaier, H., and Schornig, assignors.)
General Aniline Works, Inc. (See Weinand, K., and Bamberger, assignors.)
General Electric Company. (See Amsden, Ralph D., assignor.)
General Electric Company. (See Bower, George W., assignor.)
General Electric Company. (See Cartun, Paul O., assignor.)
General Electric Company. (See Hagenguth, J. H., and McMorris, assignors.)
General Electric Company. (See Haugh, Raymond R., assignor.)
General Electric Company. (See Hegel, George W., assignor.)
General Electric Company. (See Helmbright, Henry H., assignor.)
General Electric Company. (See Hill, Charles H., assignor.)
General Electric Company. (See Kingdon, Kenneth H., assignor.)
General Electric Company. (See Koch, Robert, assignor.)
General Electric Company. (See Lord, Harold W., assignor.)
General Electric Company. (See McCarty, Orin P., assignor.)
General Electric Company. (See Mead, Milton S., Jr., assignor.)
General Electric Company. (See Pike, O. W., and Elder, assignors.)
General Electric Company. (See Schmitt, Richard H., assignor.)
General Electric Company. (See Standerwick, Reginald G., assignor.)
General Electric Company. (See Steiner, H. C., and Livingston, assignors.)
General Fittings Company. (See Moffitt, Walter S., assignor.)
General Motors Corporation. (See Brittain, Richard J., Jr., assignor.)
General Motors Corporation. (See Dykstra, J., and Wauters, assignors.)
General Motors Corporation. (See Gibbons, Harold R., assignor.)
General Motors Corporation. (See Henne, Albert L., assignor.)
General Motors Corporation. (See Riedel, Walter W., assignor.)
General Railway Signal Company. (See Brown, Ned C. L., assignor.)
General Railway Signal Company. (See Brown, N. C. L., and Seidel, assignors.)
General Railway Signal Company. (See Dicke, O. H., and Hitchcock, assignors.)
General Railway Signal Company. (See Hailes, William D., assignor.)
General Railway Signal Company. (See Hitchcock, F. B., and Dicke, assignors.)
General Railway Signal Company. (See Judge, Thomas J., assignor.)
General Railway Signal Company. (See Judge, T. J. and Bushnell, assignors.)
General Railway Signal Company. (See Mersereau, Donald W., assignor.)
General Railway Signal Company. (See Phinney, Robert M., assignor.)
General Railway Signal Company. (See Powell, Winfred T., assignor.)
General Railway Signal Company. (See Preston, Neil D., assignor.)
General Railway Signal Company. (See Preston, N. D., and Dicke, assignors.)
General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
General Ribbon Mills, Inc. (See Goldsmith, Bertram J., assignor.)
General Steel Castings Corporation. (See Hallquist, E. G., and Travilla, assignors.)
General Steel Castings Corporation. (See Hallquist, E. G., and Visser, assignors.)
George, Charles H. (See Straw, C., and George.)
Getz, Benjamin E. (See Getz, John B. and B. E., and Leader.)
Getz, Benjamin E., Morton, Ill. Wringer roll control mechanism. 2,082,387; June 1.
Getz, John B., B. E. Getz and J. H. Leader, Morton, Ill., said Leader assignor to said J. B. Getz and to said B. E. Getz. Machinery for making wire fencing. 2,082,388; June 1.
Giara, Emil J., Corbin, assignor of one-third to E. C. Newman, London, and one-third to T. B. Keltner, Corbin, Ky. Fuel economizer for internal combustion engines. 2,082,389; June 1.
Gibbons, Harold R., Chatham, N. J., assignor to General Motors Corporation, Detroit, Mich. Antifriction bearing. 2,082,390; June 1.
Gibson, Earl S., Ridgewood, A. A. Hansen, Maplewood, and J. B. Worth, Tenafly, N. J., said Gibson and said Worth assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Hansen assignor to American Telephone and Telegraph Company. Testing system. 2,082,104; June 1.
Gifford-Wood Company. (See Hallenbeck, Harold E., assignor.)
Gilmer, L. H., Co. (See Geare, Randolph E. S., assignor.)
Gleichmann, Hans. (See Michel, F., and Gleichmann.)
Godfrey, Joseph R., Concrete, Wash. Scarifier tooth. 2,082,283; June 1.
Goetz, Carl, Berlin, Germany. Extracting metals from ores. 2,082,284; June 1.
Gold, Nathan, Portland, Oreg. Necktie. 2,082,447; June 1.
Goldsmith, Bertram J., assignor to General Ribbon Mills, Inc., New York, N. Y. Winding and put-up of twistable materials and winding and unwinding twistable materials. 2,082,489; June 1.
Goldsmith, Bertram J., assignor to General Ribbon Mills, Inc., New York, N. Y. Displaying and dispensing means for narrow fabrics. 2,082,490; June 1.
Gollwitzer, Walter T., Chicago, Ill., assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,082,245; June 1.
Gonsett, Faust, and R. R. Gonsett, said R. R. Gonsett assignor to I. Gonsett, Los Angeles, Calif. Discharge tube flasher. 2,082,572; June 1.
Gonsett, Irene. (See Gonsett, Faust and R. R., assignors.)
Gonsett, Robert R. (See Gonsett, Faust, and R. R.)
Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodrich, B. F., Company, The. (See Sloan, Arthur W., assignor.)
Goss Printing Press Company, The. (See Crafts, C. S., and Livingston, assignors.)
Gosswiller, Earl. (See Radtke, B., and Gosswiller.)
Grace, Nathaniel H., Ottawa, Ontario, Canada. Plucking poultry. 2,081,994; June 1.
Graf, Henry, Toledo, Ohio, assignor to American Can Company, New York, N. Y. Orchard heater. 2,081,25; June 1.
Graham, John G., et al. (See Ferguson, Robert R., assignor.)
Granberg, Albert J., Berkeley, assignor to Ralph N. Brodie Company, Oakland, Calif. Setting means for automatic meter shut-offs. 2,082,391; June 1.
Granberg, Albert J., Berkeley, assignor to Ralph N. Brodie Company, Oakland, Calif. Apparatus to calibrate meters to compensate for temperature variations. 2,082,392; June 1.
Grand Rapids Store Equipment Company. (See Vanderveld, Anthony, assignor.)
Grant, Franklin F., San Diego, Calif. Method and apparatus for concentrating ores. 2,082,157; June 1.
Gray Tool Company. (See Mueller, R. A., and Yancey, assignors.)
Green, Walter H., Chicago, Ill., assignor, by mesne assignments, to Infilco Inc. Liquid treatment. 2,082,491; June 1.
Greene, John W. (See Gardiner, E. W., Greene, and Lyman.)
Greenspan, George. (See Desjardins, Alfred J., assignor.)
Greer, Raleigh H., Jr., J. Burgess, and W. F. Ohme, assignors of one-sixth to said Greer, one-third to said Ohme, one-sixth to W. J. McComb, and one-third to A. J. Stafne, Minneapolis, Minn. Machine for washing drinking vessels. 2,082,285; June 1.
Greune, Heinrich. (See Krünzlein, G., Greune, Schultheis, and Langbein.)
Griffing, Herbert J., and C. G. Flygare, assignors to Norton Company, Worcester, Mass. Form grinding apparatus. 2,082,734; June 1.
Grumel, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Modulation measurement. 2,082,492; June 1.
Grund, William. (See Wells, Walter F., assignor.)
Grunig, Bernhard C. (See Tratsch, W. A., and Grunig.)
Guerriero, Anthony, Brooklyn, N. Y. Piston ring spring. 2,082,332; June 1.

Guinosso, Aloysius, Philadelphia, Pa. Electric switch. 2,082,448; June 1.

Gulliksen, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 2,081,995; June 1.

Gunderman, Lester S., Pittsburgh, Pa. Pipe thread protecting device. 2,082,286; June 1.

Gyuris, Janos, Budapest, Hungary. Primary element. 2,081,926; June 1.

H. L. G. Company. (See Gauss, David B., assignor.)

Haberstump, Alfred H., Detroit, Mich., assignor to The Murray Corporation of America. Window support and guiding means. 2,082,541; June 1.

Hacker, Oskar, assignor to the firm Austro-Daimler-Puchwerke A-G., Wiener-Neustadt, Germany. Rail vehicle. 2,081,996; June 1.

Haefner, Rudolf. (See von Forster, H., and Haefner.)

Hagenguth, Julius H., and W. A. McMorris, Pittsfield, Mass., assignors to General Electric Company. Recording instrument. 2,082,624; June 1.

Hagerty, Andrew T., Elkhart, Ind., and J. L. Mohun, Chicago, Ill., assignors to The Adlake Company. Ash receiver. 2,082,158; June 1.

Hailes, William D., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,082,333; June 1.

Hailes, William D., assignor to General Railway Signal Company, Rochester, N. Y. Automatic train control system. 2,082,542; June 1.

Hale, Frank C., and G. C. Tyce, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile operation. 2,081,997; June 1.

Hall Laboratories, Inc. (See Hall, Ralph E., assignor.)

Hall, Ralph E., Mount Lebanon, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Treatment of fruit. 2,082,573; June 1.

Hallenbeck, Harold E., assignor to Gifford-Wood Company, Hudson, N. Y. Electrical control mechanism for trolley bucket plants. 2,082,393; June 1.

Hallquist, Einar G., Wallingford, and J. C. Travilla, Jr., Philadelphia, Pa., assignors to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,081,998; June 1.

Hallquist, Einar G., Wallingford, Pa., and L. Visser, assignors to General Steel Castings Corporation, Granite City, Ill. Railway car. 2,081,999; June 1.

Hamre, Nels, Miles City, Mont. Rail joint closer. 2,082,394; June 1.

Handford, Reuben E., Luton, England, assignor, by mesne assignments, to L. N. S. Corporation, New York, N. Y. Zero-setting device. 2,082,749; June 1.

Handley, John B., Albany, N. Y. Gauntlet arm protector. 2,082,574; June 1.

Haney, Clifford L., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Concentrating aliphatic acids. 2,082,000; June 1.

Hankins Container Company, The. (See Miessler, Paul W., assignor.)

Hansen, Arnold A. (See Gibson, E. S., Hausen, and Worth.)

Hansen, Lorrin L., Rapid City, S. Dak. Locking means for multiple closures. 2,082,449; June 1.

Hansen, Ray C., assignor to M & M Wood Working Co., Portland, Oreg. Butt joint. 2,082,159; June 1.

Hanson, Harold F., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vehicle structure. 2,082,001; June 1.

Hanson, Harry A. (See Ensign, H. N., and Hanson.)

Harbert, Victor H., Chicago, Ill., assignor, by mesne assignments, to Illinois Railway Equipment Company. Brakehead wear receiving element. 2,082,002; June 1.

Harbert, Victor H., assignor to Illinois Railway Equipment Company, Chicago, Ill. Dump car door operating mechanism. 2,082,003; June 1.

Harcourt, George T., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Compression riveting or punching device. 2,082,334; June 1.

Harrison, Harry H., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Telegraph system. 2,082,575; June 1.

Harrison, John S. (See Paine, R. E., and Harrison.)

Hart, Merrill C., assignor to The Upjohn Company, Kalamazoo, Mich. Producing a germicidal preparation. 2,082,625; June 1.

Hart, Stanley, Berlin, assignor to Tuttle & Bailey, Inc., New Britain, Conn. Control register for air conditioning apparatus. 2,082,335; June 1.

Hartman Electrical Mfg. Company, The. (See Hartman, Frank O., assignor.)

Hartman, Frank O., assignor to The Hartman Electrical Mfg. Company, Mansfield, Ohio. Stationary contact system for vibratory switches. 2,082,493; June 1.

Hartmann, Max, Riehen, near Basel, and F. Locher, Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Esters of nucleotides and making same. 2,082,395; June 1.

Hassler, Anthony E., Ridley Park, and H. W. Field, Glen Mills, assignors to The Atlantic Refining Company, Philadelphia, Pa. Heating process and apparatus. 2,081,927; June 1.

Hatman, Julius G., Elkins Park, assignor to The Sharples Specialty Company, Philadelphia, Pa. Recovering tar acids from crude tar. 2,082,626; June 1.

Haugh, Raymond R., Chicago, Ill., assignor to General Electric Company. Feedback amplifying circuit for light sensitive devices. 2,082,627; June 1.

Havener, Arthur R., Wayland, assignor to J. L. Thomson Manufacturing Company, Waltham, Mass. Mechanism for transmitting motion. 2,082,336; June 1.

Hay, Howard M., Wenonah, N. J. Coiling cord. 2,081,928; June 1.

Hays, Joseph W., Tulsa, Okla. Heating apparatus for breaking down emulsions. 2,082,337; June 1.

Hays, Joseph W., Tulsa, Okla. Process for the very rapid heating of fluids. 2,082,338; June 1.

Heaton, Alfred, Sanford, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Double ring separator for spinning machines. 2,082,450; June 1.

Heavey, Thomas J., United States Army, Fort Riley, Kans. Gun mount. 2,081,929; June 1.

Heck, Adolph M., West Los Angeles, Calif., assignor to The Columbia Carbon Company, Dayton, Ohio. Backing sheet for manifolding assemblies. 2,082,494; June 1.

Heddon's, James, Sons. (See McArthur, Joseph, assignor.)

Hegel, George W., Scotia, N. Y., assignor to General Electric Company. Roller hearth furnace. 2,082,628; June 1.

Heil, Ernest. (See Powers, George E., assignor.)

Heinecke, William, assignor, by mesne assignments, to W. N. Dykman, New York, N. Y. Finger printing method. 2,082,735; June 1.

Heimbright, Henry H., Cleveland Heights, Ohio, assignor to General Electric Company. Electric signal device. 2,082,629; June 1.

Hemphill Company. (See Lawson, J. and R. H., assignors.)

Hemphill Company. (See Lawson, R. H., and Cloutier, assignors.)

Henecka, Hans, and H. Andersag, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Pseudoazimido-compounds and preparing the same. 2,082,160; June 1.

Henke, Clyde O., and W. H. Lockwood, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Textile assistant compositions. 2,082,576; June 1.

Henne, Albert L., Columbus, Ohio, assignor, by mesne assignments, to General Motors Corporation. Dehydration of antimony trifluoride and manufacture of fluorinated aliphatic compounds. 2,082,161; June 1.

Hermann, Charles, New York, N. Y. Amusement device. 2,082,287; June 1.

Hermann, Theodor. (See Stötter, H., and Hermann.)

Herold, Paul, and K. Smeykal, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of aliphatic amines. 2,082,105; June 1.

Herold, Walter F., assignor to The Chaney Manufacturing Company, Springfield, Ohio. Mounting for thermometers. 2,082,750; June 1.

Herschmann, Frederick K., New York, N. Y. Fastening device. 2,082,577; June 1.

Herzmark, Nicolas, Paris, France. Pipe joint. 2,082,054; June 1.

Hewton, William R. (See Bird, W. F., and Hewton.)

Heymer, Gerd. (See Eggert, J., and Heymer.)

Higgins, Braidwood B. (See Scott, J. A., and Higgins.)

Higgins, Ralph, Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Bushing insulator. 2,082,055; June 1.

Hill, Charles H., Drexel Hill, Pa., assignor to General Electric Company. Electric switch. 2,082,630; June 1.

Hill, Maxwell H., Rochester, N. Y. Printing press. 2,082,396; June 1.

Hillman, Eric C., Mapperley Park, Nottingham, England. Flap gate. 2,082,543; June 1.

Hillyard, Newton S., St. Joseph, Mo. Firearm. 2,082,288; June 1.

Hinkle, George S., et al. (See Olsen, Horace W., assignor.)

Hintz, Paul. (See Schmidtke, A. H., and Hintz.)

Hirsch, Rudolph, North Bergen, N. J. Tobacco pipe. 2,082,106; June 1.

Hiscock, Thorp, Seattle, Wash., assignor, by mesne assignments, to United Air Lines Transport Corporation. Engine intake regulating means. 2,082,397; June 1.

Hitchcock, Forest B. (See Dicke, O. H., and Hitchcock.)

Hitchcock, Forest B., and O. H. Dicke, assignors to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 2,082,162; June 1.

Hodge, James G., East Orange, N. J., assignor to Clipper Piston Ring Corporation, New York, N. Y. Two-piece piston ring. 2,082,056; June 1.

Hodgin, Gurnie E., Goldsboro, N. C. Tobacco curer. 2,082,289; June 1.

Hoe, R., & Co. (See Ball, Harry V., assignor.)

Hoerres, Edward J., Milwaukee, Wis. Razors. 2,082,290; June 1.

Hoffer, Frederick J. (See Black, I. E., Hoffer, and Silver.)

Hoffman, Alphonse C., Hazel Park, Mich. Waterproof container for bathers. 2,081,930; June 1.

Hofmann, Alfred, & Company. (See Palucki, Charles B., assignor.)

Hollingsworth, William G., Sheboygan, Wis. Map retaining and displaying device. 2,082,246; June 1.

Holophane Company. (See Dorey, W. A., and Rolph, assignors.)

Holzach, Karl, and B. v. Bock, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 2,082,495; June 1.

Hood, Charles E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Splitting machine. 2,082,057; June 1.

Hosier, John M., Matamoras, assignor of one-half to H. M. Young, Wilkes-Barre, Pa. Grass trimmer. 2,082,764; June 1.

Howard, Harry, Sr., Columbia, S. C. Windshield. 2,082,771; June 1.

Howard, James H., Houston, Tex., assignor to J. M. McEvoy & Company. Well head equipment. 2,082,107; June 1.

Howard, Karl S. (See Frede, C. F., and Howard.)

Howard Paper Company. (See Cohen, Bernard J., assignor.)

Howe, Wilfred H., Winchester, Mass., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Voltage regulation and circuits therefor. 2,082,496; June 1.

Howe, Wilfred H., Winchester, Mass., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Voltage compensation. 2,082,497; June 1.

Huber, Wilhelm. (See Felix, F., and Huber.)

Huffman, Edward E. (See Barthélemy, H. L., and Huffman.)

Huffman, Mervin C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill mechanism. 2,081,931; June 1.

Hughes, Louis T., Ocate, N. Mex. Trailer hitch and automatic brake control. 2,082,398; June 1.

Hughes-Mitchell Processes, Incorporated. (See Sessions, Royal L., assignor.)

Hulbert, Olga C. (See Hulbert, W. R., Schock, and Thompson, assignors.)

Hulbert, William R., D. R. Shock, and F. E. Thompson, assignors to Olga Craven Hulbert, Chicago, Ill. Combustion aiding means. 2,082,696; June 1.

Hull, Charles A., Poughkeepsie, N. Y. Dishwashing machine. 2,082,004; June 1.

Hume, John T., Chicago, assignor to Electric Household Utilities Corporation, Cicero, Ill. Washing machine. 2,082,108; June 1.

Hunt, Ozro H., assignor to The Bristol Company, Waterbury, Conn. Switch mechanism for control apparatus. 2,082,109; June 1.

Hydraulic Brake Company. (See McDougall, George F., assignor.)

Hydraulic Coupling Patents Limited. (See Kiep, Johann N., assignor.)

Hydril Company. (See Foran, E. V., Parker, and Bird, assignors.)

Hydroxsul, Inc. (See Khodakoff, Maxim S., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Alles, Richard, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Eggert, J., and Heymer, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Herold, P., and Smeykal, assignors.)

Illinois Clay Products Company, The, et al. (See Jones, Otis L., assignor.)

Illinois Railway Equipment Company. (See Harbert, Victor H., assignor.)

Imperial Chemical Industries Limited. (See Nonhebel, G., and Bell, assignors.)

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Truing apparatus for lapping machines. 2,082,736; June 1.

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Honing apparatus. 2,082,737; June 1.

Infilco Inc. (See Green, Walter H., assignor.)

Ingersoll-Rand Company. (See Kirgan, John, assignor.)

Ingerson, Irvin M., Sacramento, Calif. Keying device. 2,082,697; June 1.

Ingram, Edgar W., and L. W. Ray, assignors to White Castle System, Inc., Columbus, Ohio. Metal building construction. 2,082,578; June 1.

International Cigar Machinery Company. (See Carlson, Hjalmar E., assignor.)

International Cigar Machinery Company. (See Neumair, Joseph A., assignor.)

International Derrick & Equipment Company, The. (See Bloss, R. R., and Pfeil, assignors.)

International Manufacturing Company, The. (See Johnson, Roy W., assignor.)

International Printing Ink Corporation, The. (See Mock, Walter W., assignor.)

International Show Company. (See Worthington, Edgar G., assignor.)

International Smelting and Refining Company. (See Frick, Frederick F., assignor.)

Inter-Outer Telephone Corporation. (See Varley, Richard, assignor.)

Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Outboard motor structure. 2,082,058; June 1.

Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Reversible outboard motor with underwater exhaust. 2,082,059; June 1.

Isman, Umberto, Trieste, and E. Modiano, Bologna, Italy. Railway sleeper. 2,082,399; June 1.

Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television system. 2,082,339; June 1.

Jacobsen, Edward, New York, N. Y. Color photography. 2,082,579; June 1.

Jacobson, Jacob, Paris, France. Cinnamic preparations for therapeutic uses. 2,081,934; June 1.

Jacobson, Ralph A. (See Carothers, W. H., and Jacobson.)

Jacobsson, Wilgot J. (See Smith, G. H., and Jacobsson.)

Jacquard Knitting Machine Co. (See Sirmay, Julius, assignor.)

Jaeger, Otto. (See Schiller, Alfred W., assignor.)

James, Wilfred H. (See Neighbors, C. C., and James.)

Jeannerette, Edward N., Rome, Ga. Unloading attachment for hopper bottom railroad cars. 2,082,291; June 1.

Jeddo-Highland Coal Company. (See Zeisloft, O., and Becker, assignors.)

Jenett, Henry, Englewood, N. J., assignor to Celanese Corporation of America. Vessel. 2,082,005; June 1.

Jenkins, Alexander F., Baltimore, Md. Spray gun. 2,082,060; June 1.

Jenkins, Alexander F., Baltimore, Md. Spray gun. 2,082,061; June 1.

Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Conveyer system. 2,082,206; June 1.

Jeoffroy, Roy, Perryton, Tex. Soil erosion controlling apparatus. 2,080,163; June 1.

Johns-Manville Corporation. (See Parkinson, John S., assignor.)

Johns-Manville Corporation. (See Perry, Leslie S., assignor.)

Johnson, Charles B., Monroe, assignor to Woodall Industries Incorporated, Detroit, Mich. Visor construction. 2,082,631; June 1.

Johnson, Charles B., Monroe, assignor to Woodall Industries, Incorporated, Detroit, Mich. Visor construction. 2,082,632; June 1.

Johnson, Forrest F., assignor to The Spencer Manufacturing Company, Spencer, Ohio. Bodies for withstanding alternating stresses and manufacture thereof. 2,082,580; June 1.

Johnson Laboratories, Inc. (See Meinema, Herbert E., assignor.)

Johnson Laboratories, Inc. (See Neighbors, C. C., and James, assignors.)

Johnson Laboratories, Inc. (See Neighbors, C. C., and Meinema, assignors.)

Johnson Laboratories, Inc. (See Polydoroff, Wladimir J., assignor.)

Johnson, Roy W., Wyoming, assignor to The International Manufacturing Company, Cincinnati, Ohio. Automobile lamp. 2,081,932; June 1.

Johnson, Theodore J., assignor to Bernard Wigder, Newark, N. J. Tweezers. 2,082,062; June 1.

Johnstone, Henry F., assignor to Board of Trustees of the University of Illinois, Urbana, Ill. Removing and recovering sulphur dioxide from waste gases. 2,082,006; June 1.

Johnstone, Robert McC., Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Brake mechanism. 2,082,633; June 1.

Johnstone, Robert McC., Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Electric control system. 2,082,634; June 1.

Johnstone, Robert McC., Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Web control mechanism. 2,082,635; June 1.

Jones, Edwin D. (See Meadows, Elsie B., assignor.)

Jones, Frank D., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Power lift implement. 2,082,247; June 1.

Jones, Otis L., assignor of one-half to The Illinois Clay Products Company, and one-half to F. E. Schundler & Company, Inc., Joliet, Ill. Refractory insulation. 2,081,935; June 1.

Jordhoy, Hans C., North Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web splicing device. 2,082,400; June 1.

Joseph, Bernard B., Montreal, Quebec, Canada. Packing case. 2,082,007; June 1.

Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Railway cab signaling system for railroads. 2,082,340; June 1.

Judge, Thomas J., and C. S. Bushnell, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,082,544; June 1.

Karmanocky, Joseph, Carteret, N. J. Furnace lining. 2,082,698; June 1.

Karpel, Kurt, New York, N. Y. Supporting stand for bicycles. 2,082,248; June 1.

Karrer, Sebastian, Washington, D. C., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Tube fitting. 2,082,164; June 1.

Kauffman, William R., York, Pa. Automatic dough divider. 2,081,933; June 1.

Kauffman, William J., Summit, N. J. Calculating and indicating mechanism. 2,082,008; June 1.

Keenan, John A., Flushing, N. Y. Lens centering apparatus. 2,081,936; June 1.
Keith, Percival C., Jr., Port Washington, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Treating hydrocarbon oil. 2,082,637; June 1.
Keith, Percy C., Jr., Port Washington, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Pyrolytic treatment of hydrocarbons. 2,082,636; June 1.
Kelley, Edward F., El Paso, Tex. Tire deflation indicator. 2,082,341; June 1.
Keltner, Tollie B., et al. (See Giara, Emil J., assignor.)
Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Kendall, George A., Windsor, Ontario, Canada. Brake combination for dual trailer wheels and wheel construction. 2,082,292; June 1.
Kensington, Incorporated. (See Davidson, Julius R., assignor.)
Kent, James W., Brooklyn, and E. Peters, Richmond Hill, N. Y. Roller mill. 2,082,498; June 1.
Keppinger, Urban A., Portland, Oreg. Article gripping tool. 2,082,699; June 1.
Keystone Mfg. Co. (See Moomaw, Lewis H., assignor.)
Keyworth, Edward C., assignor to Collier-Keyworth Company, Gardner, Mass. Chair iron. 2,082,499; June 1.
Kharasch, Morris S., and R. R. Legault, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind. Obtaining an effective ergot preparation. 2,082,342; June 1.
Kharasch, Morris S., and R. R. Legault, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind. Obtaining ergot extracts. 2,082,343; June 1.
Khodakoff, Maxim S., assignor to Hydroxsul, Inc., Jersey City, N. J. Antiseptic. 2,082,063; June 1.
Kiep, Johann N., Altona-Hochkamp, Germany, assignor to Hydraulic Coupling Patents Limited, London, England. Hydraulic power transmission system. 2,082,581; June 1.
Kilborn-Sauer Company, The. (See Sauer, Henry J., assignor.)
Kingdon, Kenneth H., Schenectady, N. Y., assignor to General Electric Company. Electrical discharge device. 2,082,638; June 1.
Kingsbury & Davis Machine Company. (See Straw, C., and George, assignors.)
Kinker, Clarence C., Alton, Ill., assignor to Owens-Illinois Glass Company. Machine for producing hollow glass articles. 2,082,639; June 1.
Kinker, Clarence C., Alton, Ill., assignor to Owens-Illinois Glass Company. Machine for forming hollow glass articles. 2,082,640; June 1.
Kinsella, Edward, and C. W. Addy, Spondon, near Derby, England, assignors to Celanese Corporation of America. Filtering apparatus. 2,082,452; June 1.
Kirby, Frederick W., assignor to Deere & Company, Moline, Ill. Manure spreader. 2,082,249; June 1.
Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Controlling apparatus. 2,082,009; June 1
Kissel, Howard C., Green Bay, Wis. Electrical connecter. 2,082,453; June 1.
Kivlahan, Henry D., and J. F. Kivlahan, Highland Park, Mich. Plastic impression device. 2,082,451; June 1.
Kivlahan, John F. (See Kivlahan, Henry D., and J. F.)
Klangfilm G. m. b. H. (See Liedtke, H., and Freese, assignors.)
Kleineberg, Paul E., Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Sheet feeding. 2,082,064; June 1.
Kling, William H., Merchantville, N. J. Window cleaner. 2,082,582; June 1.
Knackert, George, Sheboygan, Wis. Compass. 2,082,065; June 1.
Knowles Foundry and Machine Company. (See Foster, Roy W., assignor.)
Knudsen, Gustav A., New York, N. Y. Paper feeding mechanism. 2,082,766; June 1.
Knutzen, Nels E., and N. E. Knutzen, Jr., Green Bay, Wis. Automobile ventilator and windshield heater. 2,082,700; June 1.
Knutzen, Nels E., Jr. (See Knutzen, Nels E., and N. E., Jr.)
Koch, Robert, Belfort, France, assignor to General Electric Company. Condenser arrangement. 2,082,641; June 1.
Koch, Winfield R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio receiving system. 2,082,767; June 1.
Koppers Company. (See Speer, Frederick W., Jr., assignor.)
Kraft, Albert F. (See Simpson, E. O., and Kraft.)
Kränzlein, Georg, H. Greune, and W. Schultheis, Frankfort-on-the-Main, and G. Langbein, Hofheim-on-the-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. High molecular dyestuffs of the dioxazine series. 2,082,344; June 1.
Krause, August L. (See Bennett, A. F., and Krause.)
Krueger, Albert G., assignor to Alwin Manufacturing Co., Green Bay, Wis. Paper dispenser. 2,082,765; June 1.
Kueffner, Emil F., Baltimore, Md. Visible container. 2,082,701; June 1.
Kuentzel, Ward E. (See Ruthruff, R. F., and Kuentzel.)
Kuentzel, Ward E., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Catalytic polymerization. 2,082,500; June 1.
Kuentzel, Ward E., Whiting, and R. F. Ruthruff, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Polymerization of gaseous olefins. 2,082,454; June 1.
Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Steam generating apparatus. 2,082,401; June 1.
Kusnarowis, Walter, assignor of one-third to P. P. Mostecki, Barre, Mass. Can opener attachment. 2,082,402; June 1.
L. N. S. Corporation. (See Handford, Reuben E., assignor.)
Lackey, Robert A., assignor to The Payson Mfg. Co., Chicago, Ill. Casement adjuster. 2,082,066; June 1.
Lamson Company, The. (See Frost, M. O., and Mattler, assignors.)
Lamson Company, The. (See Jennings, Chester S., assignor.)
Landis Machine Company. (See Reimschissel, Charles A., assignor.)
Lane, Charles H., and C. K. Stillwagon, Houston, Tex. Rotary swivel for removable wire line drills. 2,082,010; June 1.
Lang, Rudolph C., assignor to K. P. Williams Company, Inc., New York, N. Y. Tufting button. 2,082,702; June 1.
Langabeer, Harvey T., South Ozone Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulating system. 2,082,110; June 1.
Langbein, Gerhard. (See Kränzlein, G., Greune, Schultheis, and Langbein.)
Lanyon, Samuel H., Oakland, Calif. Remote control. 2,082,703; June 1.
Larkin, Lester U., assignor to Larkin Refrigerating Corporation, Atlanta, Ga. Refrigerant distributor head. 2,082,403; June 1.
Larkin Refrigerating Corporation. (See Larkin, Lester U., assignor.)
Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Electric hand lantern. 2,082,067; June 1.
Lasier, David R., assignor to Norton-Lasier Company, Chicago, Ill. Door closing and checking device. 2,082,455; June 1.
Lässer, Emil, assignor to Maag-Zahnräder und-Maschinen A.-G., Zurich, Switzerland. Expansible mandrel. 2,082,345; June 1.
Laucks, I. F., Inc. (See Tripp, Elwood I., assignor.)
Lavenson, Jay, Jenkintown, Pa., assignor to Pioneer Suspender Company. Ornamental finish. 2,082,346; June 1.
Lawrence, Robert H., et al. (See Olsen, Horace W., assignor.)
Lawson, John, Bristol, and R. H. Lawson, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Drive for knitting machine. 2,082,207; June 1.
Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Mechanism and process for effecting reverse plating. 2,082,751; June 1.
Lawson, Robert H. (See Lawson, John and Robert H.)
Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Sinker or web holder control. 2,082,642; June 1.
Layne, James H., et al. (See McClain, Grover A., assignor.)
Layne, Leslie A., Houston, Tex. Well packer mechanism. 2,082,111; June 1.
Layne, Leslie A., and H. C. Block, Houston, Tex., said Block assignor to said Layne. Casing packer. 2,082,112; June 1.
Layne, Leslie A., and L. C. Mundt, Houston, Tex., said Mundt assignor to said Layne. Well packer. 2,082,113; June 1.
Leader, John H. (See Getz, John B., and B. E., and Leader.)
Lear, Earl B., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Tool retainer. 2,081,937; June 1.
Le Cain, John A., East Orange, N. J. Steam valve gear. 2,082,704; June 1.
Lee, Martin L., Brooklyn, N. Y. Necktie holder. 2,082,011; June 1.
Leece, Charles E., Youngstown, Ohio. Fuel valve lock. 2,082,643; June 1.
Leeds & Northrup Company. (See Newman, Paul A., assignor.)
Leffland, Paul W., Dallas, Tex. Adjustable door brace. 2,082,012; June 1.
Legault, Romeo R. (See Kharasch, M. S., and Legault.)
Lehman, Meyer, New York, N. Y. Phonograph. 2,082,208; June 1.
Leib, August, and H. Scharlau, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio direction system. 2,082,347; June 1.
Leighton, John W., Port Huron, Mich. Threaded bearing connection. 2,082,250; June 1.
Leonard, Frederick C., Cranston, R. I. Valve construction. 2,081,938; June 1.
Leshure, Willard P., Springfield, Mass. Cup grinder. 2,082,404; June 1.

Le Tarte, Alexander, Bryn Mawr, N. Y., assignor to Crest Mfg. Co., Inc. Closet mounting. 2,082,348; June 1.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Implement hoisting frame for tractors. 2,081,939; June 1.
Le Van, James D., Belmont, assignor to Raytheon Production Corporation, Newton, Mass. Gaseous discharge rectifier. 2,082,165; June 1.
Le Vesconte, Harold J., Western Springs, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,082,738; June 1.
Lewis, Arthur, Southampton, N. Y. Theftproof plug. 2,082,068; June 1.
Lewis, Dewey S., assignor to Adler Manufacturing Co., Incorporated, Louisville, Ky. Folding table. 2,082,013; June 1.
Lewis, Edward Z., Chicago, Ill., assignor to L. C. Smith & Corona Typewriters Inc., New York, N. Y. Typewriting machine. 2,082,069; June 1.
Lewis, Harry H., and W. H. Ziegler, Portland, Oreg. Ice cream freezer. 2,082,752; June 1.
Liberty Mirror Works. (See Ponce, Lucien G., assignor.)
Lieberknecht, Karl, G. m. b. H. (See Eissner, Erich, assignor.)
Liedtke, Hans, and H. Freese, assignors to Klangfilm G. m. b. H., Berlin, Germany. Arrangement for recording, reproducing, and printing films. 2,082,456; June 1.
Lilly, Eli, and Company. (See Kharasch, M. S., and Legault, assignors.)
Lindblad, Axel E., Orange, assignor to United Shoe Machinery Corporation, Paterson, N. J. Pulling-over machine. 2,081,940; June 1.
Lindbloom, Albert C., assignor to Lindbloom Auto Parts Company, Chicago, Ill. Fuel saving device. 2,082,583; June 1.
Lindbloom Auto Parts Company. (See Lindbloom, Albert C., assignor.)
Lindstrom, Ture, Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,082,014; June 1.
Linga, Torbjorn, Kokomo, Ind. Carburetor. 2,082,293; June 1.
Linga, Torbjorn, Kokomo, Ind. Carburetor. 2,082,294; June 1.
Littlefield, Carl, assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Apparatus and method for making and delivering wrappers. 2,082,114; June 1.
Livingston, John W., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Speed responsive apparatus. 2,082,166; June 1.
Livingston, Orrin W. (See Steiner, H. C., and Livingston.)
Livingston, Stanley D. (See Crafts, C. S., and Livingston.)
Ljungberg, Evald C., assignor to Norton Company, Worcester, Mass. Mixing. 2,082,545; June 1.
Lloyd, Thomas, East Pittsburgh, and P. W. Sylvander, McKeesport, Pa. Steel blind and guiding means therefor. 2,082,405; June 1.
Lloyd, Thomas, East Pittsburgh, and P. W. Sylvander, McKeesport, Pa. Steel ventilating double blind. 2,082,406; June 1.
Lloyd, Thomas, East Pittsburgh, and P. W. Sylvander, McKeesport, Pa. Roll slide window screen. 2,082,407; June 1.
Locher, Fritz. (See Hartmann, M., and Locher.)
Lockwood, William H. (See Henke, C. O., and Lockwood.)
Logan, James J., Strafford, assignor to Benjamin C. Betner Company, Devon, Pa. Localizer for web cutting machines. 2,082,705; June 1.
Logie, Thomas T., assignor to The Bassick Company, Bridgeport, Conn. Bracket for automobile robe supports. 2,081,941; June 1.
Lonza Elektrizitatswerke und Chemische Fabriken Aktiengesellschaft. (See Rutishauser, Georg E., assignor.)
Lonza Elektrizitatswerke und Chemische Fabriken Aktiengesellschaft (Gampel). (See Stöhr, J., and Reidt, assignors.)
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric valve translating circuit. 2,082,644; June 1.
Lovely, James, assignor of one-half to L. Rice, San Jose, Calif. Air conditioner. 2,082,501; June 1.
Lowres, Bert J., Newark, N. J. Ophthalmic mounting. 2,082,070; June 1.
Lubcke, Harry R., Los Angeles, Calif. Cathode ray tube. 2,081,942; June 1.
Luckett, William S., New York, N. Y. Hogshead. 2,082,071; June 1.
Ludwig, Leon R., Forest Hills, and H. A. Rose, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric valve converting system. 2,082,015; June 1.
Lund, Arthur D., Minneapolis, Minn. Grid pasting machine. 2,081,943; June 1.
Lund, Arthur D., Minneapolis, Minn. Grid pasting machine. 2,081,944; June 1.
Lycan, William H. (See Wuertz, A. J., and Lycan.)
Lyman, Arthur L. (See Gardiner, E. W., Greene, and Lyman.)
Lyon, Norman W., assignor to National Bread Wrapping Machine Co., Springfield, Mass. Bread wrapping machine. 2,082,408; June 1.
M & M Wood Working Co. (See Hansen, Ray C., assignor.)
Maag Zahnräder und- maschinen A.-G. (See Lässer, Emil, assignor.)
MacCordy, Charles A., assignor to Sanitary Metal Cap Corporation, Syracuse, N. Y. Bottle capping machine. 2,082,167; June 1.
Machate, Fred, and F. Mason, Lansdale, Pa. Tape dispensing package. 2,082,546; June 1.
MacWilliams, Frank, assignor to S. Seltzer, Philadelphia, Pa. Slider for interlocking fasteners. 2,082,739; June 1.
Madland, Gabriel, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. House car. 2,082,251; June 1.
Maggiora, Angelo D., Sacramento, Calif. Carbonated beverage dispenser. 2,082,706; June 1.
Magidson, Joseph, New York, N. Y. Double windshield mechanism. 2,082,349; June 1.
Magis, Auguste A. G., Paris, France, assignor to The Superheater Company, New York, N. Y. Tube coupling and making same. 2,082,584; June 1.
Maguire Brothers Brush Co. (See Maguire, Edwin H., assignor.)
Maguire, Edwin H., Verona, assignor to Maguire Brothers Brush Co., Inc., Bloomfield, N. J. Producing receptacles for accessories. 2,082,585; June 1.
Mahon, Lloyd L., Wichita Falls, Tex. Jetty. 2,082,707; June 1.
Mahoney, Harry P., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,082,586; June 1.
Maitland, Frank K., Chicago, Ill. Check or coin selector. 2,082,708; June 1.
Majestic Silk Mills, Inc. (See Edmiston, Henry W., assignor.)
Malleable Iron Fittings Company. (See Williams, Roland G., assignor.)
Mallory, Marion, Detroit, Mich. Carburetor. 2,082,710; June 1.
Mallory, Marion, assignor, by mesne assignments, to The Mallory Research Company, Detroit, Mich. Ignition timer and coil. 2,082,709; June 1.
Mallory Research Company, The. (See Mallory, Marion, assignor.)
Manning, Maxwell & Moore, Inc. (See Whitcomb, Preston, assignor.)
Manson, George J., Hawkesbury, Ontario, Canada. Method of and apparatus for forming fibrous articles. 2,082,409; June 1.
Mantle Lamp Company of America, The. (See Menetrey, Louis, assignor.)
Marathon Paper Mills Company. (See Broeren, Frank L., assignor.)
Marchant, Guy O., et al. (See Walker, Jay P., assignor.)
Markkula, Matt, Fort Bragg, Calif. Logging car chock. 2,082,350; June 1.
Martin, Eric, West Hartford, and J. E. Anderson, Portland, assignors to United Aircraft Corporation, East Hartford, Conn. Hydraulic engine controlling device. 2,081,946; June 1.
Martinichio, Aquilino, Binghamton, N. Y. Interlocking building block. 2,082,457; June 1.
Maschinenfabrik Esslingen. (See Schumacher, Erich, assignor.)
Mason, Emery J., Toronto, Ontario, Canada. Window baffle. 2,082,209; June 1.
Mason, Fred. (See Machate, F., and Mason.)
Massey, Peter J., River Forest, Ill., and W. F. Thiele and B. F. Raprager, assignors, by mesne assignments, of nine-tenths to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis., and one-tenth to said P. J. Massey. Drying coated flexible webs. 2,081,945; June 1.
Matthey, Johnson, & Company. (See Powell, A. R., and Box, assignors.)
Mattler, Peter. (See Frost, M. O., and Mattler.)
Mauss, Hans. (See Mietzsch, F., and Mauss.)
McArthur, Joseph, assignor to James Heddon's Sons, Dowagiac, Mich. Winding mechanism. 2,082,562; June 1.
McBride, Byron V., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Plastic sealing composition. 2,082,016; June 1.
McCarty, Orin P., Pittsfield, Mass., assignor to General Electric Company. Transformer connection. 2,082,645; June 1.
McCauley, Ernest G., Dayton, Ohio. Fluid pressure controller device. 2,082,410; June 1.
McCaw, Perry, Sappho, Wash. Scissors. 2,082,502; June 1.
McClain, Grover A., San Francisco, assignor of one-tenth to J. H. Layne, Alameda, one-tenth to H. L. McClain, and one-tenth to R. McClain, San Francisco, Calif. Portable crane. 2,082,017; June 1.
McClain, Grover A., San Francisco, assignor of one-tenth to J. H. Layne, Alameda, one-tenth to H. L. McClain, and one-tenth to R. McClain, San Francisco, Calif. Portable shovel. 2,082,018; June 1.

McClain, Harold L., et al. (See McClain, Grover A., assignor.)
McClain, Romey, et al. (See McClain, Grover A., assignor.)
McClatchie, John M., assignor to The Borden Company, New York, N. Y. Valve actuating device for can washers. 2,082,458; June 1.
McComb, Walter J., et al. (See Greer, R. H., Jr., Burgess, and Ohme, assignors.)
McCornack, Herbert, Glen Ridge, N. J. Dairy plant. 2,081,947; June 1.
McCreary, John T., Chicago, Ill. Cigarette extinguishing device. 2,082,072; June 1.
McDill, Rex D., East Cleveland, Ohio. Apparatus for determining characteristics of fluids. 2,082,252; June 1.
McDougall, George F., Portland, Oreg., assignor to Hydraulic Brake Company, Detroit, Mich. Hydraulic brake. 2,082,019; June 1.
McEvoy, J. M., & Company. (See Howard, James H., assignor.)
McGinnis, Charles W., Pittsburgh, Pa. Antiskid chain. 2,082,253; June 1.
McGowan, R. H., et al. (See Bourdon, Russell G., assignor.)
McHargue, James S., Lexington, Ky. Treating distiller's slop. 2,082,711; June 1.
McIvor, Donald G., Berkeley, Calif. Insect exterminator. 2,082,712; June 1.
McKinley, Reid B., assignor to The Union Switch & Signal Company, Swissvale, Pa. Power supply unit. 2,080,168; June 1.
McKissick, William H., Tulsa, Okla. Becket. 2,082,169; June 1.
McLean, Philip S., et al. (See Dulberg, Jasper, assignor.)
McMaster, Archie J., Highland Park, assignor to G-M Laboratories, Inc., Chicago, Ill. Safety device. 2,082,210; June 1.
McMorris, William A. (See Hagenguth, J. H., and McMorris.)
McRae, Daniel B., assignor to Eastman Kodak Company, Rochester, N. Y. Device for focusing enlargers. 2,082,170; June 1.
McWeeny, John L., Chicago, Ill. Means for projecting tuning indicia. 2,082,234; June 1.
Mead, Milton S., Jr., Schenectady, N. Y., assignor to General Electric Company. Tapered scale voltmeter. 2,082,646; June 1.
Meadows, Elsie B., assignor of one-half to E. D. Jones, Los Angeles, Calif. Bust pad. 2,082,503; June 1.
Meinema, Herbert E. (See Neighbors, C. C., and Meinema.)
Meinema, Herbert E., assignor to Johnson Laboratories, Inc., Chicago, Ill. High-frequency circuit. 2,082,587; June 1.
Melton, William L., assignor of one-half to D. E. F. Russell, Overton, Tex. Electrical motor drive for centrifugal oil testing machines. 2,082,713; June 1.
Menetrey, Louis, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Apparatus for producing slush castings. 2,082,588; June 1.
Mergenthaler Linotype Company. (See Albrecht, Christian A., assignor.)
Merrill, Carle J., Portland, Me. Paper cleaning device. 2,082,411; June 1.
Merritt, Frank R., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole pressing pad. 2,082,073; June 1.
Merritt, John W., Tulsa, Okla. Concentrating machine. 2,082,504; June 1.
Mesereau, Donald W., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 2,082,547; June 1.
Mershon, Stephen L., Springfield, Pa. Stencil printing machine. 2,082,115; June 1.
Metcalfe, James C. (See Metcalfe, Richard D. and J. C.)
Metcalfe, Richard D. and J. C., assignors to Davies & Metcalfe Limited, Romiley, England. Exhaust steam injector. 2,082,295; June 1.
Methudy, Carl E., St. Louis, Mo., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Ignition device for gas burners. 2,082,296; June 1.
Michel, Friedrich, Swarthmore, Pa., and H. Gleichmann, Falkenhain, near Berlin, Germany. Steam generator. 2,081,948; June 1.
Midulla, Biagio, New York, N. Y. Bag-like receptacle for tobacco products. 2,082,714; June 1.
Mid-West Forge Company. (See Scoutten, Floyd L., assignor.)
Miessler, Paul W., assignor to The Hankins Container Company, Cleveland, Ohio. Basket. 2,082,254; June 1.
Mietzsch, Fritz, and H. Mauss, Wuppertal-Barmen, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y. Basically substituted amino acridine derivatives. 2,082,171; June 1.
Mignet, Henri, Meaux, France. Aeroplane. 2,082,172; June 1.
Miller, Edwin W., Milwaukee, Wis. Vehicle seat. 2,082,297; June 1.
Miller, Junius G., Oshkosh, Wis. Pump stand assembling and retaining means. 2,082,173; June 1.
Miller, Stuart P., Englewood, N. J., and L. T. Sutherland, Yonkers, assignors to The Barrett Company, New York, N. Y. Reenforced pipe shield. 2,082,174; June 1.
Miner, Robert A. (See Gaudreau, J. E., and Miner.)
Miner, Robert G., La Crosse, Wis. Gas heating unit. 2,082,176; June 1.
Mock, Walter W., Rutherford, N. J., assignor to The International Printing Ink Corporation, New York, N. Y. Printing. 2,081,949; June 1.
Modiano, Ettore. (See Isman, U., and Modiano.)
Moe, William, Milford, Conn. Lawn mower. 2,082,647; June 1.
Moffitt, Walter S., Warwick, assignor to General Fittings Company, Providence, R. I. Water heater construction. 2,082,648; June 1.
Mohun, John L. (See Hagerty, A. T., and Mohun.)
Moody, Dwight L. (See Newby, N. D., and Moody.)
Moomaw, Lewis H., Wilmette, Ill., assignor to Folmer Graflex Corporation, Rochester, N. Y. High speed camera. 2,082,074; June 1.
Moomaw, Lewis H., Wilmette, Ill., assignor to Keystone Mfg. Co., Boston, Mass. Motion picture camera. 2,082,505; June 1.
Moon, Charles R., assignor to Ontario Manufacturing Company, Muncie, Ind. Buffing and polishing articles. 2,082,020; June 1.
Moore, Arthur D., Ann Arbor, Mich. Calculating machine. 2,082,211; June 1.
Moore, Wallace F., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 2,082,351; June 1.
Moplin, Eugène G. P., Neuilly-sur-Seine, France. Construction adapted to cover large surfaces. 2,082,116; June 1.
Moran, James T., Ashburn, Va. Damper. 2,082,298; June 1.
Morton, Harry E., assignor to B. F. Sturtevant Company, Hyde Park, Mass. Rotary compressor. 2,082,412; June 1.
Mostecki, Peter P. (See Kusnarowis, Walter, assignor.)
Mowery, John N. (See Wicks, J. D., and Mowery.)
Mowton, Edward M., Yonkers, N. Y., assignor to American Telephone and Telegraph Company. Printing telegraph system. 2,082,075. June 1.
Mueller, Robert A., and J. R. Yancey, assignors to Gray Tool Company, Houston, Tex. Wellhead equipment. 2,082,413; June 1.
Muenz, Karl, assignor to Deutsche Perrot-Bremse G. m. b. H., Mannheim-Friedrichsfeld, Germany. Automatic brake adjusting mechanism. 2,082,021; June 1.
Müller, Richard. (See von Hoessle, C. H., and Müller.)
Mundt, Louis C. (See Layne, L. A., and Mundt.)
Munford, Thomas A. S. Toronto, Ontario, Canada. Rail lubricator. 2,082,414; June 1.
Murdock, Robert B., Chappaqua, N. Y. Trench bucket. 2,082,022; June 1.
Mureau, Charles A., Los Angeles, Calif, Cosmetic applicator. 2,082,255; June 1.
Murnane, Daniel J., Hollywood, Calif. Metal sash. 2,082,117; June 1.
Murphy, Francis M. G. (See Rust, N. M., and Murphy.)
Murphy, Shirley D., and F. V. Osborn, Indianapolis, Ind. Composite structure. 2,082,415; June 1.
Murphy, Shirley D., and F. V. Osborn, Indianapolis, Ind. Composite structure. 2,082,416; June 1.
Murphy, Shirley D., and F. V. Osborn, Indianapolis, Ind. Composite structure. 2,082,417; June 1.
Murphy, Thomas J., Stamford, Conn. Alternating current motor. 2,082,506; June 1.
Murray Company, The. (See Blewett, John, assignor.)
Murray Company, The. (See Carr, Charles R., assignor.)
Murray Corporation of America, The. (See Haberstump, Alfred H.)
Myron, William P., San Francisco, Calif. Bed for infants. 2,082,076; June 1.
Nadai, Albert, Zurich, Switzerland. Making thin-walled hollow bodies from plastics. 2,082,715; June 1.
Nägeli, Karl-Heinz, Berlin-Charlottenburg, Germany, assignors to Siemens-Schuckertwerke Aktiengesellschaft. Exerting an artificial pressure on the insulation of electric cables. 2,082,649; June 1.
Nashua Gummed and Coated Paper Company. (See Gautier, Trevor R., assignor.)
National Blank Book Company. (See Schade, Frank S., assignor.)
National Bread Wrapping Machine Co. (See Lyon, Norman W., assignor.)
National Cash Register Company, The. (See Christian, Raymond A., assignor.)
National Gypsum Company. (See Venzie, Frederick M., assignor.)
National Presser Cooker Company. (See Nelson, Carl, assignor.)
Neighbors, Charles C., and W. H. James, assignors to Johnson Laboratories, Inc., Chicago, Ill. High-frequency coupling device. 2,082,590; June 1.
Neighbors, Charles C., and H. E. Meinema, assignors to Johnson Laboratories, Inc., Chicago, Ill. Adjustable coupling for high-frequency coupling devices. 2,082,589; June 1.
Nelson, Carl, assignor to National Pressure Cooker Company, Eau Claire, Wis. Reflanging attachment for can sealers. 2,082,177; June 1.

Nesbitt, Francis G., Dayton, Ohio. Temperature-pressure altimeter. 2,081,950; June 1.
Netschke, Oscar A., St. Clair Shores, Mich. Mechanical movement. 2,082,256; June 1.
Neumair, Joseph A., Hollis, N. Y., assignor to International Cigar Machinery Company. Cigar feed. 2,082,352; June 1.
Newby, Neal D., Leonia, N. J., and D. L. Moody, Hempstead, N. Y., assignors to American Telephone and Telegraph Company. Selective signaling system. 2,082,077; June 1.
Newman, Earl C., et al. (See Giara, Emil J., assignor.)
Newman, Paul A., Belmar, N. J., assignor to Leeds & Northrup Company, Philadelphia, Pa. Recorder print wheel. 2,082,591; June 1.
Nickles, Clair A., Ponca City, Okla. Oil groove cutting device. 2,082,212; June 1.
Niederl, Joseph B., Brooklyn, N. Y. Producing substituted aliphatic acids. 2,082,459; June 1.
Noble, Glenn S. (See Strong, Lawrence D., assignor.)
Nollau, Edgar H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated fabric and making same. 2,082,592; June 1.
Nonhebel, Gordon, and R. A. Bell, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Liquor sampling cell. 2,082,299; June 1.
Norton Company. (See Griffing, H. J., and Flygare, assignors.)
Norton Company. (See Indge, Herbert S., assignor.)
Norton Company. (See Ljungberg, Evald C., assignor.)
Norton Company. (See Wood, Wallace H., assignor.)
Norton Company. (See Wood, W. H., and Flygare, assignors.)
Norton-Lasier Company. (See Lasier, David R., assignor.)
Nydegger, Roland R., Wilmington, Del. Automatic control means for mechanical refrigerators. 2,082,023; June 1.
Ochwat, Paul, Frankfort-on-the-Main-Hochst, and B. Wendt, Dessau, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Light sensitive derivatives of vat dyestuffs and preparing them. 2,082,178; June 1.
Odell, Isaac N., assignor to Defender Photo Supply Company, Incorporated, Rochester, N. Y. Film holder. 2,082,257; June 1.
O'Donnell, James L., Long Beach, Calif. Water content indicator for liquid mixtures. 2,082,213; June 1.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,082,179; June 1.
Ohio Brass Company, The. (See Brandt, Thomas F., assignor.)
Ohio Rubber Company, The. (See Bronson, Budd, assignor.)
Ohio Brass Company, The. (See Higgins, Ralph, assignor.)
Ohme, Walter F. (See Greer, R. H., Jr., Burgess, and Ohme.)
Oilgear Company, The. (See Tyler, Ransom, assignor.)
Olsen, Horance W., assignor of twenty per cent to R. H. Lawrence, Austin, Tex., and forty per cent to J. L. De Vault, Ocheltree, Kans., and G. S. Hinkle, Kilgore, Tex. Automobile tire pressure indicating system. 2,082,650; June 1.
Omsted, Kaare, Oslo, Norway. Apparatus for sterilizing and subsequently cooling food in closed containers. 2,082,460; June 1.
Ontario Manufacturing Company. (See Moon, Charles R., assignor.)
Orenstein, David, New York, N. Y. Mortise and tenon joint lock. 2,082,300; June 1.
Osborn, Frank V. (See Murphy, S. D., and Osborn.)
Osten, Joseph W., Chicago, Ill. Seat cover display stand. 2,082,214; June 1.
Otto, Carl, Essen, Germany. Regenerative coke oven. 2,082,215; June 1.
Ottoson, Carl C., Port Richmond, N. Y. Internal combustion engine. 2,082,078; June 1.
Outboard Motors Corporation. (See Irgens, Finn T., assignor.)
Owens-Illinois Glass Company. (See Carvalho, Leslie R. N., assignor.)
Owens-Illinois Glass Company. (See Kinker, Clarence C., assignor.)
Oxford Varnish Corporation. (See Eichstädt, Karl, assignor.)
Packard Motor Car Company. (See Van Ranst, Cornelius W., assignor.)
Paine, Roy E., Cleveland, and J. S. Harrison, Cleveland Heights, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Aluminum-magnesium alloys. 2,081,951; June 1.
Palmer, Mark A., Jr. (See Palmer, Mark A., and M. A., Jr.)
Palmer, Mark A., and M. A. Palmer, Jr., Graniteville, Mass. Rock drilling mechanism. 2,082,418; June 1.
Palucki, Charles B., Bergenfield, assignor to Alfred Hofmann & Company, West New York, N. J. Lamp finishing machine. 2,082,079; June 1.
Palucki, Charles B., Bergenfield, assignor to Alfred Hofmann & Company, West New York, N. J. Lamp finishing machine. 2,082,080; June 1.
Pankotan, Paul, New York, N. Y. Automatic cocktail shaker. 2,082,593; June 1.
Pape, Wilhelm, Berlin-Wilmersdorf, Germany. Action for keyboard instruments. 2,082,548; June 1.
Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Pitman. 2,082,258; June 1.
Paramount Productions, Inc. (See Ensign, H. N., and Hanson, assignors.)
Pardieck, Frank J., Indianapolis, Ind. Valve seat dresser. 2,082,461; June 1.
Park, George E. (See Allen, C. C., and G. E. and R. S. Park.)
Parker, Arthur La R., Cleveland, Ohio. Water gauge. 2,082,716; June 1.
Parker, Stanley S. (See Foran, E. V., Parker, and Bird.)
Parker, Walter H., Pittsburgh; N. J. Seibert, Wilkinsburg; and F. S. Brooks, Edgewood, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Combined strainer, air eliminator, and vacuum breaker. 2,082,717; June 1.
Parkinson, John S., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Acoustical construction. 2,081,952; June 1.
Parsons, Edward T., Upper Montclair, and H. W. Sawyer, Nutley, assignors to Thomson Machine Company, Belleville, N. J. Padded compression plate for dough molding machines. 2,082,753; June 1.
Parsons, John S., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermally protected network unit. 2,082,024; June 1.
Patent Securities Corporation. (See Tompkins, James G., assignor.)
Patton, Hugh L., Houston, Tex. Fire extinguishing apparatus and method. 2,082,216; June 1.
Payson Mfg. Co., The. (See Lackey, Robert A., assignor.)
Pearson, Edna, Liversedge, England. Helical wire curtain rod, clothes line, and the like. 2,082,301; June 1.
Peden, Leo T., Houston, Tex. Cold-lay pavement and making the same. 2,082,259; June 1.
Pennsylvania Crusher Company. (See Buchanan, Gordon, assignor.)
Perkins, Julian L., assignor to Perkins Machine & Gear Company, West Springfield, Mass. Wringer. 2,082,217; June 1.
Perkins Machine & Gear Company. (See Perkins, Julian L., assignor.)
Perry, Leslie S., Chicago, Ill., assignor to Johns-Manville Corporation, New York, N. Y. Sound damping structure. 2,081,953; June 1.
Peters, Elmer. (See Kent, J. W., and Peters.)
Peters, Fredus N., Jr., Evanston, assignor to The Quaker Oats Company, Chicago, Ill. Reduction of furfural and furan derivatives. 2,082,025; June 1.
Peterson, Wilhelm H., Virginia, Minn. Minnow bucket. 2,082,754; June 1.
Pfeil, Roy C. (See Bloss, R. R., and Pfeil.)
Philbrick, Frank H., Evanston, Ill. Machine for digging ballast. 2,082,594; June 1.
Philipp, Lawrence A., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,082,549; June 1.
Phillips, Gordon D., Portville, N. Y. Tunnel kiln and operating same. 2,081,954; June 1.
Phinney, Robert M., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic control system. 2,082,740; June 1.
Phinney, Robert M., assignor to General Railway Signal Company, Rochester, N. Y. Traffic control system for railroads. 2,082,741; June 1.
Phinney, Robert M., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,082,742; June 1.
Pike, Otis W., and T. A. Elder, Schenectady, N. Y., assignor to General Electric Company. Electric discharge apparatus. 2,082,651; June 1.
Pioneer Suspender Company. (See Lavenson, Jay, assignor.)
Pittman, Ralph R., Pine Bluff, Ark. Pole-top pin. 2,082,507; June 1.
Pittsburgh Equitable Meter Company. (See Parker, W. H., Seibert, and Brooks, assignors.)
Plastic Seal Corporation. (See Black, I. E., Hoffer, and Silver, assignors.)
Platz, Carl. (See Daimler, K., and Platz.)
Pneumatic Scale Corporation. (See Everett, Arthur C., assignor.)
Pneumatic Scale Corporation. (See Vergobbi, John G., assignor.)
Polney, John, Elizabeth, N. J. Razor blade sharpening apparatus. 2,082,755; June 1.
Polydoroff, Wladimir J., assignor to Johnson Laboratories, Inc., Chicago, Ill. Inductive tuning system. 2,082,595; June 1.
Pomeranz, Jacob J. (See Tanasso, V., and Pomeranz.)
Ponce, Lucien G., Follansbee, W. Va., assignor to Liberty Mirror Works. Rear view mirror support. 2,082,596; June 1.
Ponce, Lucien G., Follansbee, W. Va., assignor to Liberty Mirror Works. Rear view mirror support. 2,082,597; June 1.

Porcelier Manufacturing Company. (See Tregoning, William C., assignor.)
Pori, Hugo A., Paso Robles, Calif. Revolving chase. 2,082,718; June 1.
Potter, Joel S., Valley Cottage, assignor to Wilputte Coke Oven Corporation, New York, N. Y. Valved gas off-take. 2,082,118; June 1.
Powell, Alan R., and E. R. Box, London, England, assignors to Johnson Matthey & Company, Limited. Hard metal alloy. 2,082,719; June 1.
Powell, Winfred T., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,082,180; June 1.
Powell, Winfred T., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,082,550; June 1.
Powers, Frank B., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,082,026; June 1.
Powers, George E., assignor to E. Heil, London, Ohio. Metallic singletree or doubletree. 2,082,508; June 1.
Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,082,119; June 1.
Pressed Steel Car Company. (See Anderson, John P., assignor.)
Pressnall, Charles A., Elkhart, Ind., assignor to The Adlake Company. Ash receiver. 2,082,181; June 1.
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 2,082,462; June 1.
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 2,082,464; June 1.
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 2,082,465; June 1.
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,082,466; June 1.
Preston, Neil D., and O. H. Dicke, assignors to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 2,082,463; June 1.
Pridham, Edwin S., Oakland, Calif. Refrigeration apparatus. 2,082,756; June 1.
Prins, Klaus, Chicago, Ill. Coal cleaning apparatus. 2,082,467; June 1.
Proctor, B. A., Company. (See Proctor, Barton A., assignor.)
Proctor, Barton A., Larchmont, assignor to B. A. Proctor Company, Inc., New York, N. Y. Phonograph. 2,082,353; June 1.
Provisor, Benjamin, et al. (See Dulberg, Jasper, assignor.)
Pullen, Fred W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweeper. 2,082,652; June 1.
Pullman-Standard Car & Manufacturing Company. (See Stout, W. B., and Wright, assignors.)
Pupier, André, Paris, France. Preventing or stopping stomach sickness, especially sea-sickness. 2,082,468; June 1.
Quaker Oats Company, The. (See Peters, Fredus N., Jr., assignor.)
Rabe, Karl, Stuttgart, Germany. Springing arrangement. 2,082,509; June 1.
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Bentley, Ferdon D., assignor.)
Radio Corporation of America. (See Brown, George H., assignor.)
Radio Corporation of America. (See Rust, N. M., and Murphy, assignors.)
Radio Corporation of America. (See Schrader, H. J., and Swift, assignors.)
Radio Corporation of America. (See Tunick, Harry, assignor.)
Radio Corporation of America. (See Wolff, Irving, assignor.)
Radtke, Bruno, and E. Gosswiller, assignors to Exhibit Supply Company, Chicago, Ill. Target mechanism. 2,082,218; June 1.
Rah, Joseph C., assignor to The Delta-Star-Electric Company, Chicago, Ill. Electric device and process of making the same. 2,082,027; June 1.
Ranco Incorporated. (See Raney, Estel C., assignor.)
Randall Company, The. (See Warren, Harold B., assignor.)
Randel, Bo F., San Diego, Calif. Valve. 2,081,955; June 1.
Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Refrigerator control. 2,082,510; June 1.
Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Electric vulcanizer. 2,082,551; June 1.
Raprager, Bert F. (See Massey, P. J., Thiele, and Raprager.)
Rawlins, Herbert L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Plunger-type current interrupter. 2,082,028; June 1.
Rawson, Jesse E., Cleveland, Ohio. Metal bending apparatus. 2,082,653; June 1.
Ray, Loyd W. (See Ingram, E. W., and Ray.)
Raytheon Production Corporation. (See Le Van, James D., assignor.)
Reader, Allan W., assignor to Stewart-Warner Corporation, Chicago, Ill. Joint for lubricating apparatus. 2,082,654; June 1.
Reed, Harold V., assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,082,655; June 1.
Reiber, Albert H., Evanston, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,082,511; June 1.
Reichert, Joseph S., and R. B. Elliott, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of sugar solutions. 2,082,656; June 1.
Reichmann, Reinhold, Berlin, Germany, assignor, by mesne assignments, to The American Cutting Alloys, Inc., New York, N. Y. Making sintered shaped bodies. 2,082,354; June 1.
Reid, John, Oil City, Pa. Power generating and transmitting organization. 2,082,260; June 1.
Reid, Lewis S. (See Spowers, W. H., Jr., Tour, Wright, and Reid.)
Reidt, Erich. (See Stöhr, J., and Reidt.)
Reimann, William H., Miami Shores, Fla. Portable concrete conveyer. 2,081,956; June 1.
Reimschissel, Charles A., assignor to Landis Machine Company, Waynesboro, Pa. Die head. 2,082,757; June 1.
Reimschissel, Charles A., assignor to Landis Machine Company, Waynesboro, Pa. Die head. 2,082,758; June 1.
Reiss, Philip, Brooklyn, N. Y. Slide fastener. 2,082,355; June 1.
Research Corporation. (See Van de Graaff, Robert J., assignor.)
Rice, Luther. (See Lovely, James, assignor.)
Rice, Owen R. (See Fox, G., and Rice.)
Richardson, Maurice F., Berwyn, Pa. Valve. 2,082,512; June 1.
Riedel, Walter W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,082,552; June 1.
Rietdyk, L. H., et al. (See Bourdon, Russell G., assignor.)
Rietz, Carl A., San Francisco, Calif. Disintegrator. 2,082,419; June 1.
Riley Stoker Corporation. (See Kuhner, Max H., assignor.)
Ripley and Gowen Company. (See Anderson, Edward L., assignor.)
Road-Knight Corporation. (See Segal, Jacob J., assignor.)
Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Filter sieve and making the same. 2,082,513; June 1.
Robertson, H. H., Company. (See Coffman, Alden W., assignor.)
Robinson, Ivan C., Ferguson, Mo. Carburetor. 2,082,514; June 1.
Roché, Jean A., Dayton, Ohio. Dynamic balance of control surfaces. 2,081,957; June 1.
Roda, Richard F. (See Vogt, W. H., and Roda.)
Roesen, Oscar C., Eastchester, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web splicing apparatus. 2,082,420; June 1.
Roesen, Oscar C., Eastchester, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web splicing device. 2,082,421; June 1.
Rogers, Paul V., et al. (See Ferguson, Robert R., assignor.)
Roland, John, assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Stoker alarm. 2,082,029; June 1.
Rolph, Thomas W. (See Dorey, W. A., and Rolph.)
Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,082,120; June 1.
Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Sheet transferring mechanism for printing presses. 2,081,958; June 1.
Root, Frank B., Caldwell, N. J. Drying oil product and making same. 2,082,515; June 1.
Rose, Herbert A. (See Ludwig, L. R., and Rose.)
Rosenblatt, Alexander. (See David, L., and Rosenblatt.)
Ross, William, Surbiton, England. Screening apparatus. 2,082,302; June 1.
Ruddell, Austin A. (See Fox, H. W., Riddell, and Corwin.)
Rueb, Theodore O., assignor to The Sherman-Klove Company, Chicago, Ill. Ratchet wrench. 2,082,356; June 1.
Runyan, Arthur L., New York, N. Y., assignor, by mesne assignments, to Translaphon Corporation, Newark, N. J. Phonograph repeating, charting, and projecting mechanism. 2,082,261; June 1.
Rupple, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Automatic metalworking machine. 2,082,081; June 1.
Rupple, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Turning attachment. 2,082,516; June 1.
Russell, D. E. France. (See Melton, William L., assignor.)

Rust, Noël M., and F. M. G. Murphy, Chelmsford, England, assignors to Radio Corporation of America. Thermionic valve amplifier. 2,082,517; June 1.
Ruthruff, Robert F. (See Kuentzel, W. E., and Ruthruff.)
Ruthruff, Robert F., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Catalytic polymerization and polymerization catalysts. 2,082,518; June 1.
Ruthruff, Robert F., Hammond, and W. E. Kuentzel, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Conversion of hydrocarbon gases to liquids. 2,082,520; June 1.
Ruthruff, Robert F., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Olefin polymerization. 2,082,519; June 1.
Rutishauser, Georg E., assignor to Lonza Elektrizitätswerke und Chemische Fabriken Aktiengesellschaft, Basel, Switzerland. Process and apparatus for the manufacture of tubular structures of artificial materials. 2,082,720; June 1.
Ryall, Leonard E., Easteote, Ruislip, England. Telephone system. 2,082,357; June 1.
Rypinski, Albert B., Laurelton, N. Y. Distribution system. 2,082,122; June 1.
Rypinski, Albert B., Laurelton, Long Island, N. Y. Slow magnetic regulating device. 2,082,121; June 1.
Saatgut-Erzeugungs-Gesellschaft m. b. H. (See Baur, Erwin, assignor.)
Sachar, Bernard H., et al. (See Bryant, Don W., assignor.)
Saco-Lowell Shops. (See Heaton, Alfred, assignor.)
Safety Car Heating & Lighting Company, The. (See Schepmoes, Lindsley, assignor.)
St. Joseph Iron Works. (See Schmidtke, A. H., and Hintz, assignors.)
Samuel, Arthur L., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit control arrangements. 2,082,123; June 1.
Sanford, Charles L., Meadville, Pa. Concrete block machine. 2,082,721; June 1.
Sanitary Metal Cap Corporation. (See MacCordy, Charles A., assignor.)
Santini, Danilo, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator system. 2,082,657; June 1.
Sather, Oliver H., Chicago, Ill. Folding mechanism. 2,082,262; June 1.
Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Reflector signal device for tail lights. 2,082,658; June 1.
Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Collisionproof clearance lamp for vehicles. 2,082,659; June 1.
Saulnier, Raymond, Puteaux, France. Airplane landing gear. 2,082,598; June 1.
Sawyer, Hilon W. (See Parsons, E. T., and Sawyer.)
Sawyer, Lester T., Fitchburg, Mass. Surgical dressing. 2,082,599; June 1.
Schacht, Elmer C., Troy, N. Y., assignor, by mesne assignments, to Behr-Manning Corporation. Manufacture of abrasive articles. 2,082,182; June 1.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Book construction. 2,082,422; June 1.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Bookbinding construction. 2,082,423; June 1.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Bookbinding construction. 2,082,424; June 1.
Scharlau, Hans. (See Leib, A., and Scharlau.)
Scharling, Henry E., Nutley, N. J. Picture frame. 2,082,082; June 1.
Scheller, Emil, Lorsbach in Taunus, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Decolorizing sugar juices. 2,082,425; June 1.
Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Lighting apparatus. 2,082,124; June 1.
Schiller, Alfred W., assignor to Otto Jaeger, Zurich, Switzerland. Telephone system for recording and reproducing transmissions. 2,082,303; June 1.
Schleimer, Floyd V., assignor to United States Appliance Corporation, San Francisco, Calif. Power-operated tweezers. 2,082,263; June 1.
Schlichenmaier, Hans., Kelkheim in Taunus, and L. Schörnig, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 2-methyl-3-hydroxyquinoline-4-carboxylic acids and preparing them. 2,082,358; June 1.
Schmidtke, Albert H., St. Joseph, Mich., and P. Hintz, Narshall, Tex., assignors to St. Joseph Iron Works, St. Joseph, Mich. Basket handle machine. 2,082,125; June 1.
Schmitt, Richard H., Schenectady, N. Y., assignor to General Electric Company. Circuit breaker. 2,082,660; June 1.
Schneider, Franz K., and F. H. Ehnts, Philadelphia, Pa. Pressure grease gun. 2,082,521; June 1.
Schock, Daniel R. (See Hulbert, W. R., Schock, and Thompson.)
Scholl, William M., Chicago, Ill. Surgical dressing. 2,082,219; June 1.
Schoop, Edwin, Rheinfelden, near Basel, Switzerland. Preserving the natural properties of fruit, vegetable and similar juices. 2,082,426; June 1.
Schornig, Ludwig. (See Schlichenmaier, H., and Schornig.)
Schrader, Harold J., Haddon Heights, N. J., and G. Swift, Philadelphia, Pa., assignors to Radio Corporation of America. Phase indicator. 2,082,030; June 1.
Schultheis, Werner. (See Kränzlein, G., Greune, Schultheis, and Langbein.)
Schumacher, Erich, Unna-Konigsborn, assignor to Maschinenfabrik Esslingen, Esslingen, Wurttemberg, Germany. Manufacturing cast iron and malleable pig castings employing briquetted iron alloys. 2,082,359; June 1.
Scott, Henry T., assignor to The American Paper Bottle Company, Toledo, Ohio. Sealing mechanism. 2,082,722; June 1.
Scott, Herbert V. W., Glen Ridge, N. J., assignor to Van Raalte Company, New York, N. Y. Runproof or run-resistant stocking having picot edge or fashionings. 2,082,360; June 1.
Scott, James A., and B. B. Higgins, San Francisco, Calif. Protective clothespin. 2,082,522; June 1.
Scoutten, Floyd L., Hudson, assignor to Mid-West Forge Company, Cleveland, Ohio. Apparatus for making roll forged articles. 2,081,959; June 1.
Schultz Engineering Corporation. (See Schultz, R. H., Siebert, and Borloz, assignors.)
Schultz, Rudolph H., and A. J. Siebert, Brooklyn, N. Y., and L. C. Borloz, Teaneck, N. J., assignors to Schultz Engineering Corporation, Brooklyn, N. Y. Core for automatic rewinding machines. 2,082,031; June 1.
Schulz, Rudolf, Stuttgart, Germany. Manufacturing porous metallic bodies. 2,082,126; June 1.
Schundler, F. E., & Company, et al. (See Jones, Otis L., assignor.)
Schwitzer-Cummins Company. (See Roland, John, assignor.)
Scruggs, Loyd, University City, Mo. Electric motor. 2,082,264; June 1.
Sechrest, Elwood C., High Point, N. C. Furniture construction. 2,082,427; June 1.
Segal, Jacob J., Irvington, N. J., assignor to Road-Knight Corporation, New York, N. Y. Electric sign. 2,082,523; June 1.
Seibert, Nelson J. (See Parker, W. H., Seibert, and Brooks.)
Seidel, George M. (See Brown, N. C. L., and Seidel.)
Sell, Robert L., Ocean Port, N. J. Vegetable slicer. 2,082,524; June 1.
Seltzer, Samuel. (See MacWilliams, Frank, assignor.)
Service Supply Corporation. (See Shaw, H. E., and Brogden, assignors.)
Sessions, Royal L., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo. White lead pigment and making the same. 2,082,032; June 1.
Seward, Clarence L., Jr., Washington, D. C., assignor to Bendix Aviation Corporation, South Bend, Ind. Liquid level indicator and valve therefor. 2,082,723; June 1.
Sexton, Frederick P., Lachine, Quebec, Canada. Insulator supporting pin. 2,082,220; June 1.
Seybold, Frederick W., Westfield, N. J., assignor, by mesne assignments, to American Type Founders Company, Elizabeth, N. J. Bed motion. 2,082,183; June 1.
Seybold, Frederick W., Westfield, N. J., assignor, by mesne assignments, to American Type Founders Company Elizabeth, N. J. Bed motion. 2,082,184; June 1.
Seyferth, Carl G., and H. E. Swanson, assignors to West Michigan Steel Foundry Co., Muskegon, Mich. Landing gear. 2,082,033; June 1.
Shapiro, David B., et al. (See Bryant, Don W., assignor.)
Sharples Specialty Company, The. (See Ayres, Arthur U., assignor.)
Sharples Specialty Company, The. (See Hatman, Julius G., assignor.)
Shaw, Harry E., Elkins Park, and J. Brogden, Melrose Park, assignors to Service Supply Corporation, Philadelphia, Pa. Pole climber. 2,082,553; June 1.
Shaw, Kenneth R., assignor to Easthampton Rubber Thread Co., Easthampton, Mass. Method of and machine for producing rubber thread. 2,082,743; June 1.
Shaw, Kenneth R., assignor to Easthampton Rubber Thread Co., Easthampton, Mass. Rubber thread and making same. 2,082,744; June 1.
Sheller, Edward W., assignor to Sheller Manufacturing Corporation, Portland, Ind. Steering wheel. 2,082,221; June 1.
Sheller Manufacturing Corporation. (See Sheller, Edward W., assignor.)
Shelor, Frederick L., Sandston, Va. Illuminated indicator for house numbers or the like. 2,082,724; June 1.
Sheridan, T. W., & C. B., Company. (See Kleineberg, Paul E., assignor.)
Sherman-Klove Company, The. (See Rueb, Theodore O., assignor.)
Shulik, William, Philadelphia, Pa. Trousers construction. 2,082,469; June 1.

Siebel, Frederick P., Chicago, Ill. Brewing process. 2,082,222; June 1.
Siebert, Adam J. (See Schultz, R. H., Siebert, and Borloz.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Nägeli, Karl-Heinz, assignor.)
Silver, Henry B. (See Black, L. E., Hoffer, and Silver.)
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Lister. 2,082,554; June 1.
Simmons, Richard P., New York, N. Y., assignor to Teletype Corporation, Chicago, Ill. Selective system and apparatus. 2,082,725; June 1.
Simpson, Benjamin I., Chicago, Ill. Bathtub. 2,082,661; June 1.
Simpson, Ewin O., and A. F. Kraft, Fort Smith, Ark. Glass minnow trap and manufacturing same. 2,082,662; June 1.
Sinclair Refining Company. (See Smith, Reading B., assignor.)
Sirmay, Julius, Philadelphia, Pa., assignor to Jacquard Knitting Machine Co., Inc. Circular knitting machine. 2,082,127; June 1.
Slater, Guy P., Sand Springs, Okla. Sliding reach and sleeve for truck beds. 2,082,663; June 1.
Sloan, Arthur W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Anti-oxidants. 2,082,525; June 1.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Drive mechanism for shaker conveyers. 2,082,361; June 1.
Smeykal, Karl. (See Herold, P., and Smeykal.)
Smith, Alfred R., Forest Hills, assignor to Combustion Engineering Company, Inc., New York, N. Y. Drying fish scrap. 2,082,555; June 1.
Smith, Edward J., and E. S. Bush, St. Louis, Mo. Supercharger drive. 2,082,556; June 1.
Smith, George, assignor to Ellicott Machine Corporation, Baltimore, Md. Clutch. 2,082,726; June 1.
Smith, George H., Kenmore, and W. J. Jacobsson, Buffalo, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Control valve for pressure regulating and reducing apparatus. 2,082,223; June 1.
Smith, L. C., & Corona Typewriters Inc. (See Lewis, Edward Z., assignor.)
Smith, Reading B., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Apparatus for countercurrent contact treatment of liquids. 2,082,034; June 1.
Smith, William J., Philadelphia, assignor to V. S. Clymer, Wyncote, Pa. Pump. 2,082,265; June 1.
Smith, William M., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Leak detector. 2,082,035; June 1.
Snavely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,082,428; June 1.
Snow, Harold R., Neodesha, Kans., assignor to Standard Oil Company (Indiana), Chicago, Ill. Treating hydrocarbon oil. 2,082,224; June 1.
Societe H. & F. de Poix & Cie. (See de Poix, Félix M. J. T., assignor.)
Society of Chemical Industry in Basle. (See Felix, F., and Huber, assignors.)
Society of Chemical Industry in Basle. (See Hartmann, M., and Locher, assignors.)
Society of Chemical Industry in Basle. (See Sutter, Theodor, assignor.)
Sorensen, Andrew J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Receiving apparatus for communication systems for railway trains. 2,082,185; June 1.
Southern Chain Company. (See Williams, Ernest R., assignor.)
Spencer Manufacturing Company, The. (See Johnson, Forrest F., assignor.)
Sperr, Frederick W., Jr., Ventnor, N. J., assignor, by mesne assignments, to Koppers Company. Treatment of gases. 2,081,960; June 1.
Spowers, William H., Jr., Maplewood, N. J., S. Tour, New York, N. Y., T. A. Wright, Plainfield, and L. S. Reid, Upper Montclair, N. J., assignors, by mesne assignments, to W. H. Spowers, Jr., New York, N. Y. Metal coating. 2,082,225; June 1.
Squires, Lloyd H., and W. D. Zieger, Olathe, Kans. Power mower. 2,082,600; June 1.
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sole fitting machine. 2,081,961; June 1.
Stafford, Leonard L., Glendale, Calif. Illuminating device. 2,082,266; June 1.
Stafford, Sedley S., assignor to Dalmo Sales Corporation, San Francisco, Calif. Flush valve. 2,082,226; June 1.
Stafne, Albert J., et al. (See Greer, R. H., Jr., Burgess, and Ohme, assignors.)
Stam, Martinus J., The Hague, Netherlands. Manufacture of rubber products. 2,082,304; June 1.
Standard Car Truck Company. (See Williams, Theron H., assignor.)
Standard Oil Company. (See Kuentzel, Ward E., assignor.)
Standard Oil Company. (See Kuentzel, W. E., and Ruthruff, assignors.)
Standard Oil Company. (See Ruthruff, Robert F., assignor.)
Standard Oil Company. (See Ruthruff, R. F., and Kuentzel, assignors.)
Standard Oil Company (Indiana). (See Snow, Harold R., assignor.)
Standard Oil Company of California. (See Gardiner, E. W., Greene, and Lyman, assignors.)
Standard Oil Development Company. (See Beamer, Clayton M., assignor.)
Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Turbine arrangement. 2,082,601; June 1.
Stattmann, Walter A., Chicago, Ill. Closure device for rendering bottles nonrefillable. 2,082,267; June 1.
Staude, Edwin G., Minneapolis, Minn. Adhesive applying mechanism for paper package making machines. 2,082,186; June 1.
Steiner, Harry C., Scotia, and O. W. Livingston, Schenectady, N. Y., assignors to General Electric Company. Thermionic cathode. 2,082,602; June 1.
Sterns, Edward A., Hamburg, N. Y. Construction block. 2,082,429; June 1.
Stettner, Ludwig W., Oakland, assignor to Victor Welding Equipment Co., San Francisco, Calif. Gas pressure regulator. 2,082,227; June 1.
Stevens, James L., Hayden, Ariz. Producing finely divided metallic products. 2,082,362; June 1.
Stevens, Sydney A., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Radio receiving apparatus. 2,082,187; June 1.
Stewart-Warner Corporation. (See Reader, Allan W., assignor.)
Stilliwagon, Crawford K. (See Lane, C. H., and Stilliwagon.)
Stogoff, Peter E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Translating apparatus. 2,082,036; June 1.
Stöhr, Josef, and E. Reidt, Waldshut, Germany, assignors to Lonza Elektrizitatswerke und Chemische Fabriken Aktiengesellschaft (Gampel), Basel, Switzerland. Production of alumina substantially free from silicic acid from alkaline earth aluminates. 2,082,526; June 1.
Stokes and Smith Company. (See Bleam, Edgar W., assignor.)
Stoll, Albert, assignor to C. L. Brackett, Detroit, Mich. Adjustable tappet. 2,082,228; June 1.
Stone, Gerald D., Evanston, Ill., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Humidifier. 2,082,363; June 1.
Stone, N. I. (See Dougherty, Elmer E., assignor.)
Stoner, George H., East Boston, assignor, by mesne assignments, to Tru-Arc, Inc., Boston, Mass. Vehicle brake. 2,082,229; June 1.
Storé, Arthur O., Regina, Saskatchewan, Canada. Moisture tester. 2,082,364; June 1.
Stötter, Hermann, Leverkusen, and T. Hermann, Leverkusen-Wiesdorf, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Moth-proofing detergent composition. 2,082,188; June 1.
Stout, William B., and E. H. Wright, Detroit, Mich., assignors to Pullman Standard Car & Manufacturing Company. Engine cooling and air conditioning system for self-propelled vehicles. 2,082,230; June 1.
Straw, Clayton, Henniker, and C. H. George, assignors to Kingsbury & Davis Machine Company, Contoocook, N. H. Box making machine. 2,082,365; June 1.
Strickland, William R., Detroit, Mich. Internal combustion engine. 2,082,231; June 1.
Strong, Lawrence D., Maywood, assignor of one-half to G. S. Noble, Chicago, Ill. Distant volume control. 2,082,745; June 1.
Strong, Leroy W., Billings, Mont. Fish lure. 2,082,305; June 1.
Sturdy's, J. F., Sons Co. (See Eklund, George, assignor.)
Sturtevant, B. F., Company. (See Morton, Harry E., assignor.)
Stuyverson, William L., Elkhart, Ind. Control device. 2,082,603; June 1.
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sullivan Machinery Company. (See Huffman, Mervin C., assignor.)
Superheater Company, The. (See Magis, Auguste A. G., assignor.)
Sutherland, Leslie T. (See Miller, S. P., and Sutherland.)
Sutherland, Leslie T., Yonkers, assignor to The Barrett Company, New York, N. Y. Pipe shield. 2,082,175; June 1.
Sutter, Theodor, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Nitrogenous condensation products and making same. 2,082,306; June 1.
Svikhart, Miles L., Garden City Park, assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for electrical uses. 2,082,128; June 1.
Swanson, Hilbert S. (See Seyferth, C. G., and Swanson.)
Swift, Gilbert. (See Schrader, H. J., and Swift.)
Swift, Glenn, Darlington, Wis. Hat. 2,082,083; June 1.
Sylvander, Paul W. (See Lloyd, T., and Sylvander.)
Slyvania Industrial Corporation. (See Cornwell, Ralph T. K., assignor.)

Tallmadge, Webster, & Company. (See Tallmadge, Webster, assignor.)
Tallmadge, Webster, Montclair, N. J., assignor to Webster Tallmadge & Company, Inc., New York, N. Y. Control system. 2,082,470; June 1.
Tallmadge, Webster, Montclair, N. J., assignor to Webster Tallmadge & Company, Inc., New York, N. Y. Motor controlled valve. 2,082,471; June 1.
Tanasso, Vincent, Harrison, and J. J. Pomeranz, Brooklyn, N. Y. Nose pad coupling means for eyeglass frames. 2,082,084; June 1.
Taylor, Frank, Sedalia, Mo. Dispensing device. 2,082,527; June 1.
Taylor Instrument Companies. (See Vogt, W. H., and Roda, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Leib, A., and Scharlau, assignors.)
Telephon-Apparat Fabrik-E. Zwietusch and Company. (See Appellius, Fritz, assignor.)
Teletype Corporation. (See Reiber, Albert H., assignor.)
Teletype Corporation. (See Simmons, Richard P., assignor.)
Terhune, Leonard B., West Milford, N. J. Cutting machine or the like and drive therefor. 2,081,962; June 1.
Theodorsen, Theodore, Hampton, and W. C. Clay, Buckroe Beach, Va. Vapor heating system. 2,081,963; June 1.
Thiele, William F. (See Massey, P. J., Thiele, and Raprager.)
Thomas, James N., Garberville, Calif. Shingle making machine. 2,082,307; June 1.
Thomas, John F., administrator. (See Boyce, John A.)
Thompson, Frank E. (See Hulbert, W. R. Schock, and Thompson.)
Thompson, Torvald, New York, N. Y. Clamp. 2,082,366; June 1.
Thomson, Judson L., Manufacturing Company. (See Havener, Arthur R., assignor.)
Thomson Machine Company. (See Parsons, E. T., and Sawyer, assignors.)
Tide Water Associated Oil Company. (See Bertschinger, Charles F., assignor.)
Todd, John W., East London, Union of South Africa. Manufactured article of food or confectionery and in combinations of the same with coverings. 2,082,312; June 1.
Todd, John W., East London, Union of South Africa. Manufacturing articles of food or confectionery. 2,082,313; June 1.
Tomalis, Joseph J., assignor to American Screw Company, Providence, R. I. Screw manufacture. 2,082,085; June 1.
Tomlinson, Charles H., Mansfield, Ohio. Buffing platform. 2,081,964; June 1.
Tompkins, James G., Venice, assignor, by mesne assignments, to Patent Securities Corporation, Los Angeles County, Calif. Hose fastener. 2,082,367; June 1.
Totz, Arthur F., Detroit, Mich. Last support. 2,082,308; June 1.
Tour, Sam. (See Spowers, W. H., Jr., Tour, Wright, and Reid.)
Townsend, Charles P., Abbeville, S. C. System of operating power brakes and clutches. 2,082,430; June 1.
Townsend, Richard S., Wayland, Mass., and E. Farley, Mount Kisco, N. Y. Register for gasoline. 2,082,368; June 1.
Traenkle, Carl A., assignor to firm Carl Zeiss, Jena, Germany. Roll-film magazine. 2,082,232; June 1.
Translaphon Corporation. (See Runyan, Arthur L., assignor.)
Tratsch, Walter A., and R. C. Grunig, assignors to A. B. T. Manufacturing Company, Chicago, Ill. Coin chute. 2,082,037; June 1.
Trautvetter, Fred C., Warsaw, Ill. Milk stool. 2,082,664; June 1.
Travilla, James C., Jr. (See Hallquist, E. G., and Travilla.)
Tregar, Charles, Philadelphia, Pa. Rotatable cloth holding means. 2,082,528; June 1.
Tregoning, William C., assignor to Porcelier Manufacturing Company, Greensburg, Pa. Incandescent lamp socket. 2,082,369; June 1.
Tripp, Elwood I., assignor to I. F. Laucks, Inc., Seattle, Wash. Wood joint. 2,082,431; June 1.
Trott, Rolland S., Denver, Colo. Automotive vehicle. 2,081,965; June 1.
Tru-Arc, Inc. (See Stoner, George H., assignor.)
Tubize Chatillon Corporation. (See Barthélemy, H. L., and Huffman, assignors.)
Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Oscillation generator. 2,082,472; June 1.
Turiansky, Abraham, New York, N. Y. Shoe upper. 2,082,309; June 1.
Turnepseed, Clarence, Springfield, Ohio, assignor of one-fourth to F. G. Campbell, Arlington County, Va. Attachment for drill presses. 2,082,310; June 1.
Tuttle & Bailey, Inc. (See Hart, Stanley, assignor.)
Twomey, Lee S., Vista, Calif. Liquefying and storing fuel gases. 2,082,189; June 1.
Tyce, George C. (See Hale, F. C., and Tyce.)
Tyler, Ransom, Wauwatosa, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 2,082,473; June 1.

Cline, Migiel J., Washington, D. C. Method and apparatus for manufacturing oblong blocks of clear ice. 2,082,665; June 1.
Ulrich, Julius M., Riverside, assignor, by mesne assignments, to Fuoyl Engine Corporation, Greenwich, Conn. Internal combustion engine. 2,082,666; June 1.
Unger, Paul O., Glen Ellyn, assignor to Wilson Jones Company, Chicago, Ill. Loose leaf binder. 2,082,558; June 1.
Union Carbide and Carbon Corporation. (See Smith, G. H., and Jacobsson, assignors.)
Union Carbide and Carbon Corporation. (See Stone, Gerald D., assignor.)
Union Special Machine Company. (See Le Veseonte, Harold J., assignor.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)
Union Switch & Signal Company, The. (See Bossart, Paul N., assignor.)
Union Switch & Signal Company, The. (See Livingston, John W., assignor.)
Union Switch & Signal Company, The. (See McKinley, Reid B., assignor.)
Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)
Union Switch & Signal Company, The. (See Snavely, Clarence S., assignor.)
Union Switch & Signal Company, The. (See Sorensen, Andrew J., assignor.)
Union Switch & Signal Company, The. (See Stevens, Sydney A., assignor.)
United Aircraft Corporation. (See Martin, E., and Anderson, assignors.)
United Air Lines Transport Corporation. (See Hiscock, Thorp, assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
United Shoe Machinery Corporation. (See Hood, Charles E., assignor.)
United Shoe Machinery Corporation. (See Lindblad, Azel E., assignor.)
United Shoe Machinery Corporation. (See Merritt, Frank R., assignor.)
United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)
United States Appliance Corporation. (See Schleimer, Floyd V., assignor.)
United States Finishing Company, The. (See Brown, Charles W., assignor.)
Universal Air Filter Corporation. (See Christofferson, Charles, assignor.)
Universal Oil Products Company. (See Alther, Joseph G., assignor.)
Upjohn Company, The. (See Hart, Merrill C., assignor.)
Upton, John M., assignor to Filshie Lead Head Nail Company, Inc., Chicago, Ill. Method of and apparatus for making lead head fasteners. 2,082,604; June 1.
Van Blankensteyn, Cornelius F., Lansing, Mich. Fastener for license plates. 2,082,311; June 1.
Van de Graaff, Robert J., Cambridge, Mass., assignor to Research Corporation, New York, N. Y. Material insulator for use in vacuum. 2,082,474; June 1.
Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Drawer partitioning. 2,082,667; June 1.
Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Showcase ornamentation. 2,082,668; June 1.
Van Hyning, Rollyn, assignor, by mesne assignments, to J. R. Gammeter, Akron, Ohio. Form cleaning apparatus. 2,082,746; June 1.
Van Raalte Company. (See Scott, Herbert V. W., assignor.)
Van Ranst, Cornelius W., assignor to Packard Motor Car Company, Detroit, Mich. Clutch mechanism. 2,082,129; June 1.
Vapor Car Heating Company. (See Smith, William M., assignor.)
Varian, Russell H., San Francisco, Calif., assignor to Farnsworth Television Incorporated. Getter cartridge. 2,082,268; June 1.
Varley, Richard, St. George, N. Y., assignor to Inter-Outer Telephone Corporation, Dover, Del. Interior telephone equipment. 2,082,130; June 1.
Venzie, Frederick M., Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y. Building construction. 2,082,314; June 1.
Vereinigte Deutsche Metallwerke Aktiengesellschaft. (See von Forster, H., and Haefner, assignors.)
Vergobbi, John G., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Carton closing machine. 2,082,086; June 1.
Victor Adding Machine Company. (See Garbell, Max, assignor.)
Victor Welding Equipment Co. (See Stettner, Ludwig W., assignor.)
Visser, Leonard. (See Hallquist, E. G., and Visser.)
Vittengl, Morgan J., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating fibrous material. 2,082,559; June 1.

Vogt, William H., Rochester, and R. F. Roda, Pittsford, assignors to Taylor Instrument Companies, Rochester, N. Y. Combined treatment chamber and cuff. 2,082,190; June 1.
Voigt, Karl, Pittsburgh, Pa. Glass pliers. 2,082,669; June 1.
Vonck, Gerhard H. C., The Hague, Netherlands. Shorthand writing machine. 2,082,370; June 1.
Von der Linden, Arthur F., Bloomfield, N. J. Music instruction device. 2,082,432; June 1.
Von Forster, Hermann, Niederursel, near Frankfort-on-the-Main, and R. Haefner, Frankfort-on-the-Main-Heddernheim, assignors to Vereinigte Deutsch Metallwerke Aktiengesellschaft, Frankfort-on-the-Main, Germany. Insulating insert of metal. 2,082,557; June 1.
Von Hoessle, C. Hermann, and R. Müller, assignors to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany. Manufacture of preparations having an anti-emetic action. 2,082,233; June 1.
Voorhees, Charles M., Madison, Kans. Sweep rake. 2,082,670; June 1.
Wagner Electric Corporation. (See Dick, Burns, assignor.)
Walker, Edith M., San Francisco, Calif. Wrapper for confections. 2,082,671; June 1.
Walker, James D., assignor, by mesne assignments, to The American Well Works, Aurora, Ill. Method and apparatus for treatment of sewage. 2,082,759; June 1.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Bolted tank. 2,082,269; June 1.
Wall, Charles G., Philadelphia, Pa. Valve device. 2,082,529; June 1.
Warren, Harold B., assignor to The Randall Company, Cincinnati, Ohio. Panel mounting means. 2,082,235; June 1.
Warren Telechron Company. (See Bourquin, Edgar, assignor.)
Watson, Frank C., Chester, Pa. Building construction. 2,082,191; June 1.
Waugh, Harvey D., Atlanta, Ga. Foldable and extendible drawer structure. 2,082,672; June 1.
Wauters, Anatole M. (See Dykstra, J., and Wauters.)
Weinand, Klaus, Leverkusen-I. G. Werk, and C. Bamberger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuffs of the anthraquinone series. 2,082,192; June 1.
Wells, C. G., et al. (See Walker, Jay P., assignor.)
Wells, Ralph J., Dayton, Ohio. Railway tie. 2,081,966; June 1.
Wells, Walter F., assignor of one-half to W. Grund, Detroit, Mich. Treatment of masonry wall surfaces. 2,082,193; June 1.
Wendt, Bruno. (See Ochwat, P., and Wendt.)
West, Charles P., Edgewood, Pa., and B. S. Burke, Elizabeth, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Remote signaling system. 2,082,038; June 1.
West, Ernest. (See West, Frederick J. and E.)
West, Frederick J. and E., assignors to West's Gas Improvement Company Limited, Miles Platting, Manchester, England. Vertical retort for the continuous distillation of carbonaceous materials. 2,082,270; June 1.
West's Gas Improvement Company Limited. (See West, Frederick J. and E., assignors.)
Western Electric Company. (See Svikhart, Miles L., assignor.)
Western Electric Company Incorporated. (See Friebus, Reginald T., assignor.)
Western States Machine Company. (See Roberts, Eugene, assignor.)
Westinghouse Electric Elevator Company. (See Bouton, E. M., and Williams, assignors.)
Westinghouse Electric Elevator Company. (See Dunlop, James, assignor.)
Westinghouse Electric Elevator Company. (See Santini, Danilo, assignor.)
Westinghouse Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Beers, George L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bendz, Waldemar L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bradshaw, William M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eberwein, Josef, assignor.)
Westinghouse Electric & Manufacturing Company. (See Exner, Donald W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gebhardt, W., and Franck, assignors.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanson, Harold F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Koch, Winfield R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lindstrom, Ture, assignor.)
Westinghouse Electric & Manufacturing Company. (See Ludwig, L. R., and Rose, assignors.)
Westinghouse Electric & Manufacturing Company. (See McBride, Byron V., assignor.)
Westinghouse Electric & Manufacturing Company. (See Parsons, John S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Powers, Frank B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rawlins, Herbert L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stogoff, Peter E., assignor.)
Westinghouse Electric & Manufacturing Company. (See West, C. P., and Burke, assignors.)
Westinghouse Electric & Manufacturing Company. (See Williams, Clifton S., assignor.)
West Michigan Steel Foundry Co. (See Seyferth, C. G., and Swanson, assignors.)
Whitcomb, Preston, Kenmore, assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Power transmission device. 2,082,433; June 1.
White Castle System, Inc. (See Ingram, E. W., and Ray, assignors.)
White, Clarence B., Montclair, N. J. Mineral dye liquor and method. 2,082,087; June 1.
White, Phillip A., St. Albans, N. Y. License plate. 2,082,434; June 1.
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Apparatus for coating filaments and staple fibers. 2,081,967; June 1.
Wicks, John D., Little Compton, R. I., and J. N. Mowery, Worcester, Mass.; said Mowery assignor to T. E. Aldham, and Wicks, assignor to C. H. Eden, Providence, R. I. Liquid filter. 2,081,968; June 1.
Widgren, Hans T., Chicago, Ill. Tobacco sifter. 2,082,039; June 1.
Wiener, Louis J., Brooklyn, N. Y. Bed. 2,082,131; June 1.
Wigder, Bernard. (See Johnson, Theodore J., assignor.)
Wiggins, John H., Tulsa, Okla. Seal for floating tank roofs. 2,082,194; June 1.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Method and means for dispatching trains. 2,082,435; June 1.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system. 2,082,436; June 1.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,082,437; June 1.
Wilkins, Fredrik W., Mannheim, Germany. Power transmission. 2,082,040; June 1.
Williams, Alfred O. (See Burrows, R. J., and Williams.)
Williams, Clifton S., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Producing permanent magnets. 2,082,041; June 1.
Williams, Edward M., Elyria, Ohio. Manufacture of miscible gum from drying oils. 2,082,371; June 1.
Williams, Ernest R., assignor to Southern Chain Company, Bell, Calif. Locking device for pins. 2,082,315; June 1.
Williams, Harold W. (See Bouton, E. M., and Williams.)
Williams, K. P., Company. (See Lang, Rudolph C., assignor.)
Williams, Lewis E., Long Beach, Calif. Lock. 2,082,195; June 1.
Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Road tie or support. 2,082,316; June 1.
Williams, Theron H., assignor to Standard Car Truck Company, Chicago, Ill. Side bearing. 2,082,271; June 1.
Williamson, Rufus H., Mellerville, Ala. Unloader and spreader. 2,082,673; June 1.
Wilputte Coke Oven Corporation. (See Potter, Joel S., assignor.)
Wilson, Frank L., Sharpsburg, Pa. Shoe server. 2,082,088; June 1.
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Winthrop Chemical Company. (See Henecka, H., and Andersag, assignors.)
Winthrop Chemical Company. (See Stötter, H., and Hermann, assignors.)
Winthrop Chemical Company Inc. (See Mietzsch, F., and Mauss, assignors.)
Wittig, Carl O. G., Golden, Colo. Bracket type fire extinguisher. 2,082,089; June 1.
Wittig, Carl O. G., Golden, Colo. Suspended type fire extinguisher. 2,082,090; June 1.
Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Radio system. 2,082,042; June 1.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Method of and machine for registering and proving printing plates. 2,082,372; June 1.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web roll supporting and manipulating mechanism. 2,082,373; June 1.
Wood Newspaper Machinery Corporation. (See Jordhoy, Hans C., assignor.)
Wood Newspaper Machinery Corporation. (See Roesen, Oscar C., assignor.)
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)

Wood, Wallace H., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,082,728; June 1.
Wood, Wallace H., and C. G. Flygare, assignors to Norton Company, Worcester, Mass. Grinding machine. 2,082,727; June 1.
Woodall Industries Incorporated. (See Johnson, Charles B., assignor.)
Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Nonspill vent plug. 2,082,605; June 1.
Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Non-spill vent plug for storage batteries. 2,082,606; June 1.
Worth, John B. (See Gibson, E. S., Hansen, and Worth.)
Worthington, Edgar G., St. Louis County, Mo., assignor to International Shoe Company, St. Louis, Mo. Shoe last. 2,082,196; June 1.
Worthington Pump and Machinery Corporation. (See Dorer, Oscar H., assignor.)
Wright, Evan H. (See Stout, W. B., and Wright.)
Wright, Lester P., Richford, N. Y. Chicken house. 2,082,132; June 1.
Wright, Thomas A. (See Spowers, W. H., Jr., Tour, Wright, and Reid.)
Wuertz, Alexander J., and W. H. Lycan, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Isoviolanthrone derivatives and their preparation. 2,082,560; June 1.
Wyant, Leroy, Chicago, Ill. Railway switch operating apparatus. 2,082,133; June 1.
Yancey, John R. (See Mueller, R. A., and Yancey.)
Young, Arthur M., Radnor, Pa. Floating wing assembly. 2,082,674; June 1.
Young, Harold M. (See Hosier, John M., assignor.)
Youngstown Steel Door Company, The. (See Madland, Gabriel, assignor.)
Zeisloft, Oliver, and F. N. Becker, assignors to Jeddo-Highland Coal Company, Jeddo, Pa. Gas producer. 2,082,530; June 1.
Zeiss, Carl. (See Traenkle, Carl A., assignor.)
Zieger, William D. (See Squires, L. H., and Zieger.)
Ziegler, William H. (See Lewis, H. H., and Ziegler.)
Zinnow, Henry, Brooklyn, N. Y. Exercising apparatus. 2,082,272; June 1.
Zoller, Frank C., Cleveland, Ohio. Half-tone screen and manufacture thereof. 2,082,475; June 1.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brace, Jaw. L. Pickett. 20,389; June 1.
Carbonaceous material, Destructive distillation of. L. C. Karrick. 20,392; June 1.
Cover, Tire. H. Hartel. 20,386; June 1.
Evaporator for refrigerators. L. A. Philipp. 20,388; June 1.
Gun, Grease. C. F. Goddard. 20,385; June 1.
Shoe structure. F. Maccarone. 20,387; June 1.
Strap, Grip. H. H. Rubin and M. M. Balsam. 20,390; June 1.
Valve converting system, Electric. C. A. Sabbah. 20,391; June 1.

LIST OF PLANT INVENTIONS

Rose. J. D. Brownell. 248; June 1.

LIST OF DESIGN INVENTIONS

Apron. H. B. Richards. 104,808; June 1.
Automobile body. J. W. Sparkman. 104,822; June 1.
Bar, Vehicle handle. S. A. Snell. 104,819; June 1.
Base or similar article, Lamp. J. A. Korengold. 104,785; June 1.
Basket, Display. J. Doig. 104,720; June 1.
Board, Game. W. E. MacGuire. 104,790; June 1.
Bottle. H. C. Berkowitz. 104,715–6; June 1.
Bottle or similar article. C. H. Ziff and L. S. Getz. 104,735; June 1.
Box or similar container. I. Silverman. 104,729; June 1.
Box or similar container, Jewelry. H. Gross. 104,740; June 1.
Burner, Gas. P. J. Sonner. 104,752; June 1.
Burner, Lantern. A. Menna. 104,793; June 1.
Button. F. H. Fisher. 104,771; June 1.
Cabinet for a parking meter or similar article. C. L. Wright. 104,759; June 1.
Cap. R. Lipton. 104,787; June 1.
Case, Merchandise display. E. L. Brown. 104,719; June 1.
Case, Storage battery. W. L. Reinhardt. 104,806; June 1.
Centerpiece, Table. W. E. Mackelfresh, Jr. 104,791; June 1.
Chair. J. F. Eppenstein. 104,767–70; June 1.
Chair, Upholstered. W. L. Swearingen. 104,824; June 1.
Clip or the like, Collar or retaining. W. F. Becker. 104,714; June 1.
Cot, Folding. A. Wesley. 104,734; June 1.
Davenport, Upholstered. W. L. Swearingen. 104,823; June 1.
Dish. J. E. Spence. 104,731; June 1.
Dispenser, Batter. R. T. Ganary. 104,773; June 1.
Dispenser, Paper cup. F. G. Miller. 104,745; June 1.
Draft regulating device. C. H. Morrow. 104,797; June 1.
Dress. T. Coleman. 104,739; June 1.
Dress. M. Michelson. 104,796; June 1.
Dress. M. Mullen. 104,798; June 1.
Dress. E. N. Perper. 104,804–5; June 1.
Dress. W. G. Steinman. 104,756–7; June 1.
Dress ensemble. D. High. 104,782; June 1.
Dress ensemble. E. N. Tunick. 104,825; June 1.
Fabric, Textile. J. Heim. 104,777–80; June 1.
Fabric, Textile. C. H. Ross. 104,810–11; June 1.
Fabric, Textile. M. Spelrein. 104,753; June 1.
Fire extinguisher body, Vehicle. J. L. Seat. 104,817; June 1.
Fire extinguisher, Portable. J. L. Seat. 104,816; June 1.
Fruit juicer. E. Newnham and W. H. Fischer. 104,800; June 1.
Game apparatus. H. G. Grossman. 104,775; June 1.
Glove. W. E. Meyers. 104,795; June 1.
Goblet or similar article. E. M. Bottome. 104,718; June 1.
Guard and grille guard, Combined trunk. L. S. Poncher. 104,803; June 1.
Guard, Automobile mud. E. J. Meyer. 104,794; June 1.
Handle for tools or similar articles. H. B. Curtis. 104,766; June 1.
Heater, Automobile. T. Briskin. 104,736–7; June 1.
Heater, Automobile. P. F. Sperry. 104,754–5; June 1.
Heater or similar article, Automobile. E. E. Hans. 104,827; June 1.
Holder, Lipstick. L. A. Samstag. 104,814; June 1.
Humidifier and table, Combination. H. A. Sarvis. 104,815; June 1.
Illuminating device. J. A. Korengold. 104,826; June 1.
Jar or similar article. P. E. Roehrich. 104,728; June 1.
Lollipop figure. H. J. Lasher. 104,724; June 1.
Mat, Stair tread. H. McKay. 104,792; June 1.
Monument. C. K. Grubbs. 104,741; June 1.
Nail, Decorative. B. Salzberg. 104,747; June 1.
Net, Embroidered. M. Sokoloff. 104,749–51; June 1.
Ornament or similar article, Vehicle. W. A. H. Gubitz. 104,774; June 1.
Paper for box coverings and similar articles. J. N. Hazen. 104,776; June 1.
Plate or similar article. E. M. Bottome. 104,717; June 1.
Plate or similar article. D. Johnson. 104,784; June 1.
Plate or similar article. W. T. Johnson. 104,783; June 1.
Plate, Velocipede step. S. A. Snell. 104,821; June 1.
Protector, Glove. H. B. Richards. 104,807; June 1.
Rack, Coat. R. F. Barnes and A. N. Van Keulen. 104,760; June 1.
Receptacle for batteries or similar articles. H. Brunjes. 104,764; June 1.
Redingote. D. High. 104,781; June 1.
Register or similar article, Heater. R. J. Black. 104,763; June 1.
Ring, Finger. J. J. Gruen. 104,742; June 1.
Ring, Finger. L. A. Samstag. 104,748; June 1.
Sandal. L. Carey. 104,765; June 1.
Shears and container opener, Combined kitchen. F. H. Raub. 104,727; June 1.
Shoe. A. Wertheim. 104,733; June 1.
Shoe or similar article. A. Perugia. 104,725; June 1.
Slipper. I. Berman. 104,761–2; June 1.
Slipper. O. A. Saccal. 104,812–13; June 1.
Slipper. M. Shanzer. 104,730; June 1.
Slipper. M. Shanzer. 104,818; June 1.
Spoon or other article of flatware. L. V. M. Helander. 104,721; June 1.
Spoon or other article of flatware. A. G. Kintz. 104,723; June 1.
Spoon or other article of flatware. F. W. Stark. 104,732; June 1.
Standard, Lighting. J. N. Locke. 104,788–9; June 1.
Stapling implement. F. Polzer. 104,726; June 1.
Stocking. E. A. Nebel. 104,799; June 1.
Stove. A. H. Tinnerman. 104,758; June 1.
Table, Game. C. F. Riebe. 104,809; June 1.
Telephone transmitter. E. L. Brown. 104,738; June 1.
Tire. F. G. W. King and L. J. Lambourn. 104,744; June 1.
Tire. J. E. Partenheimer. 104,801; June 1.
Toy. J. Raubacher. 104,746; June 1.
Tray or similar article, Combined cheese and cracker. J. C. Kelly. 104,722; June 1.
Tumbler. E. W. Fuerst. 104,772; June 1.
Vehicle, Advertising. E. J. B. La Lumière. 104,786; June 1.
Vehicle body. R. F. Peo. 104,802; June 1.
Velocipede. S. A. Snell. 104,820; June 1.
Window sash arrester or similar article. L. Hedberg. 104,743; June 1.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles, Manufacture of. E. C. Schacht. 2,082,182; June 1.
Abrasive member and making the same, Reenforced. A. W. Coffman. 2,082,150; June 1.
Acceleration control system. W. I. Bendz. 2,081,977; June 1.
Acetyl cellulose of improved clarity, Manufacturing. H. L. Barthélemy and E. E. Huffman. 2,082,238; June 1.
Acids, Concentrating aliphatic. C. I. Haney. 2,082,000; June 1.
Acids from crude tar, Recovering tar. J. G. Hatman. 2,082,626; June 1.
Acids, Producing substituted aliphatic. J. B. Niederl. 2,082,459; June 1.
Acoustical construction. J. S. Parkinson. 2,081,952; June 1.
Action for keyboard instruments. W. Pape. 2,082,548; June 1.
Adhesive applying mechanism for paper package making machines. E. G. Staude. 2,082,186; June 1.
Aeroplane. H. Mignet. 2,082,172; June 1.
Aiding means, Combustion. W. R. Hulbert, D. R. Schock, and F. E. Thompson. 2,082,696; June 1.
Air conditioner. L. W. Child. 2,082,441; June 1.
Air conditioner. J. Lovely. 2,082,501; June 1.
Air conditioning system for vehicles employing steam ejectors. C. M. Ashley. 2,081,905; June 1.
Airplane landing gear. R. Saulnier. 2,082,598; June 1.
Airship. A. W. Allen. 2,082,675; June 1.
Alarm, Stoker. J. Roland. 2,082,029; June 1.
Aliphatic anhydrides, Manufacture of lower. H. Dreyfus. 2,081,988; June 1.
Alloy, Hard metal. A. R. Powell and E. R. Box. 2,082,719; June 1.
Alloys, Aluminum-magnesium. R. E. Paine and J. S. Harrison. 2,081,951; June 1.
Alternating current motor. T. J. Murphy. 2,082,506; June 1.
Altimeter, Temperature-pressure. F. G. Nesbitt. 2,081,950; June 1.
Alumina substantially free from silicic acid from alkaline earth aluminates, Production of. J. Stöhr and E. Reidt. 2,082,526; June 1.
Amines, Production of aliphatic. P. Herold and K. Smeykal. 2,082,105; June 1.
Amino acridine derivatives, Basically substituted. F. Mietzsch and H. Mauss. 2,082,171; June 1.
Amplifier, Thermionic valve. N. M. Rust and F. M. G. Murphy. 2,082,517; June 1.
Amusement device. C. Hermann. 2,082,287; June 1.
Antifriction bearing. H. R. Gibbons. 2,082,390; June 1.
Antimony trifluoride and manufacture of fluorinated aliphatic compounds, Dehydration of. A. L. Henne. 2,082,161; June 1.
Antioxidants. A. W. Sloan. 2,082,525; June 1.
Antiseptic. M. S. Khodakoff. 2,082,063; June 1.
Antiskid chain. C. W. McGinnis. 2,082,253; June 1.
Antiskid device. H. S. Fritts. 2,082,386; June 1.
Applying machine. H. C. Coppins. 2,081,911–12; June 1.
Arm protector, Gauntlet. J. B. Handley. 2,082,574; June 1.
Article gripping tool. U. A. Kappinger. 2,082,699; June 1.
Article, Method of buffing and polishing. C. R. Moon. 2,082,020; June 1.
Article of food or confectionery and in combinations of the same with coverings, Manufactured. J. W. Todd. 2,082,312; June 1.
Articles of food or confectionery, Manufacturing. J. W. Todd. 2,082,313; June 1.
Ash receiver. A. T. Hagerty and J. L. Mohun. 2,082,158; June 1.
Ash receiver. C. A. Pressnall. 2,082,181; June 1.
Automobile lamp. R. W. Johnson. 2,081,932; June 1.
Automobile running board. L. D. Bridge. 2,081,899; June 1.
Azimido compounds and preparing the same, Pseudo. H. Henecka and H. Andersag. 2,082,160; June 1.
Balance of control surfaces, Dynamic. J. A. Roché. 2,081,957; June 1.
Basket. P. W. Miessler. 2,082,254; June 1.
Basket handle machine. A. H. Schmidtke and P. Hintz. 2,082,125; June 1.
Bathtub. B. I. Simpson. 2,082,661; June 1.
Bearing: *See*—
Antifriction bearing. Side bearing.
Becket. W. H. McKissick. 2,082,169; June 1.
Bed. L. J. Wiener. 2,082,131; June 1.
Bed for infants. W. P. Myron. 2,082,076; June 1.
Bed motion. F. W. Seybold. 2,082,183–4; June 1.
Beer foam remover and advertising device. R. J. Campbell. 2,082,681; June 1.
Beryllium fluoride solutions, Obtaining. H. C. Claflin. 2,081,984; June 1.
Betaines, Substituted. K. Daimler and C. Platz. 2,082,275; June 1.
Beverage dispenser, Carbonated. A. D. Maggiora. 2,082,706; June 1.
Bicycle. D. W. Bryant. 2,082,147; June 1.
Binder, Loose leaf. P. O. Unger. 2,082,558; June 1.
Blind and guiding means therefor, Steel. T. Lloyd and P. W. Sylvander. 2,082,405; June 1.
Blind, Steel ventilating double. T. Lloyd and P. W. Sylvander. 2,082,406; June 1.
Block: *See*—
Building block. Construction block.
Board: *See*—
Automobile running board.
Boat. S. Frankfurt. 2,082,202; June 1.
Bodies for withstanding alternating stresses and manufacture thereof. F. F. Johnson. 2,082,580; June 1.
Bolted tank. J. P. Walker. 2,082,269; June 1.
Bookbinding construction. F. S. Schade. 2,082,423–4; June 1.
Book construction. F. S. Schade. 2,082,422; June 1.
Bottle capping machine. C. A. MacCordy. 2,082,167; June 1.
Box: *See*—
Display box.
Box making machine. C. Straw and C. H. George. 2,082,365; June 1.
Brace: *See*—
Door brace.
Bracket for automobile robe supports. T. T. Logie. 2,081,941; June 1.
Bracket for dump bodies, Safety. A. H. Bassetti. 2,082,139; June 1.
Brake: *See*—
Hydraulic brake. Vehicle brake.
Brake adjusting mechanism, Automatic. K. Muenz. 2,082,021; June 1.
Brake combination for dual trailer wheels and wheel construction. G. A. Kendall. 2,082,292; June 1.
Brake controlled mechanism. W. Bradley. 2,082,378; June 1.
Brake drums, Forming. C. W. Dake. 2,082,199; June 1.
Brake for motor vehicles. B. R. Dierfeld. 2,082,277; June 1.
Brake mechanism. R. McC. Johnstone. 2,082,633; June 1.
Brakes and clutches, System of operating power. C. P. Townsend. 2,082,430; June 1.
Brakehead wear receiving element. V. H. Harbert. 2,082,002; June 1.
Braking mechanism. J. Blewett. 2,081,898; June 1.
Bread wrapping machine. N. W. Lyon. 2,082,408; June 1.
Brewing process. F. P. Siebel. 2,082,222; June 1.
Bucket, Minnow. W. H. Peterson. 2,082,754; June 1.
Bucket, Trench. R. B. Murdock. 2,082,022; June 1.
Buckle, Bracelet. G. Eklund. 2,082,621; June 1.
Building block, Interlocking. A. Martinichio. 2,082,457; June 1.
Building construction. F. M. Venzie. 2,082,314; June 1.
Building construction. F. C. Watson. 2,082,191; June 1.
Building construction, Metal. E. W. Ingram and L. W. Ray. 2,082,578; June 1.
Bunch rolling table suction control. H. E. Carlson. 2,081,983; June 1.
Bushing insulator. R. Higgins. 2,082,055; June 1.
Bust pad. E. B. Meadows. 2,082,503; June 1.
Butt joint. R. C. Hansen. 2,082,159; June 1.
Button, Tufting. R. C. Lang. 2,082,702; June 1.
Cab signaling system for railroads, Railway. T. J. Judge. 2,082,340; June 1.
Cable suspension. E. E. Arnold. 2,081,974; June 1.
Calcium hydride, Production of. P. P. Alexander. 2,082,134; June 1.
Calculating and indicating mechanism. W. J. Kauffman. 2,082,008; June 1.
Calculating machine. R. A. Christian. 2,082,098; June 1.
Calculating machine. A. D. Moore. 2,082,211; June 1.
Camera, High speed. L. H. Moomaw. 2,082,074; June 1.
Camera, Motion picture. L. H. Moomaw. 2,082,505; June 1.
Car construction. J. P. Anderson. 2,081,975; June 1.
Car, House. G. Madland. 2082,251; June 1.
Car, Rail. R. J. Burrows and A. O. Williams. 2,082,536; June 1.

Car, Railway. E. G. Hallquist and L. Visser. 2,081,999; June 1.
Car retarder for railroads. N. C. L. Brown. 2,081,901; June 1.
Carburetor. T. Linga. 2,082,293–4; June 1.
Carburetor. M. Mallory. 2,082,710; June 1.
Carburetor. I. C. Robinson. 2,082,514; June 1.
Carrier: *See*—
Razor blade-package carrier.
Carton closing machine. J. G. Vergobbi. 2,082,086; June 1.
Cartridge, Getter. R. H. Varian. 2,082,268; June 1.
Casement adjuster. R. A. Lackey. 2,082,066; June 1.
Cash register and computing machine. A. Errera. 2,082,155; June 1.
Case: *See*—
Packing case.
Casing packer. L. A. Layne and H. C. Block. 2,082,112; June 1.
Castings, Apparatus for producing slush. L. Menetrey. 2,082,588; June 1.
Castings employing briquetted iron alloys, Manufacturing cast iron and malleable pig. E. Schumacher. 2,082,359; June 1.
Catalytic polymerization. W. E. Kuentzel. 2,082,500; June 1.
Catalytic polymerization and polymerization catalysts. R. F. Ruthruff. 2,082,518; June 1.
Catamenial device. E. J. De Ville. 2,082,276; June 1.
Cathode ray tube. H. R. Lubcke. 2,081,942; June 1.
Cathode, Thermionic. H. C. Steiner and O. W. Livingston. 2,082,602; June 1.
Centrifugal separator. A. U. Ayres. 2,082,608; June 1.
Centrifugal separator. O. H. Dorer. 2,082,690; June 1.
Chain: *See*—
Anti-skid chain.
Chamber and cuff, Combined treatment. W. H. Vogt and R. F. Roda. 2,082,190; June 1.
Chase, Revolving. H. A. Pori. 2,082,718; June 1.
Check or coin selector. F. K. Maitland. 2,082,708; June 1.
Chock, Logging car. M. Markkula. 2,082,350; June 1.
Chute, coin. W. A. Tratsch and B. C. Grunig. 2,082,037; June 1.
Cigar feed. J. A. Neumair. 2,082,352; June 1.
Cigarette extinguishing device. J. T. McCreary. 2,082,072; June 1.
Cinnamic preparations for therapeutic uses. J. Jacobson. 2,081,934; June 1.
Circuit breaker. T. Lindstrom. 2,082,014; June 1.
Circuit breaker. R. H. Schmitt. 2,082,660; June 1.
Circuit control arrangements. A. L. Samuel. 2,082,123; June 1.
Circuit, Electric wave translating. H. W. Lord. 2,082,644; June 1.
Circuit for light sensitive devices, Feedback amplifying. R. R. Haugh. 2,082,627; June 1.
Circuit, High-frequency. H. E. Meinema. 2,082,587; June 1.
Clamp. T. Thompson. 2,082,366; June 1.
Cleaner: *See*—
Window cleaner.
Clock, Advertising. E. Bourquin. 2,082,612; June 1.
Closure. L. R. N. Carvalho. 2,082,617; June 1.
Closure applying machine. A. C. Everett. 2,082,048; June 1.
Closure device. J. Farrelly. 2,082,691; June 1.
Closure device for rendering bottles nonrefillable. W. A. Stattmann. 2,082,267; June 1.
Cloth holding means, Rotatable. C. Tregar. 2,082,528; June 1.
Clothespin, Protective. J. A. Scott and B. B. Higgins. 2,082,522; June 1.
Clutch: *See*—
Friction clutch.
Clutch. G. Smith. 2,082,726; June 1.
Clutch mechanism. C. W. Van Ranst. 2,082,129; June 1.
Coal cleaning apparatus. K. Prins. 2,082,467; June 1.
Coating, Metal. W. H. Spowers, Jr., S. Tour, T. A. Wright, and L. S. Reid. 2,082,225; June 1.
Comforters, Making. J. Davis. 2,081,986; June 1.
Compass. G. Knackert. 2,082,065; June 1.
Composite structure. S. D. Murphy and F. V. Osborn. 2,082,415–7; June 1.
Compression riveting or punching device. G. T. Harcourt. 2,082,334; June 1.
Compressor, Rotary. H. E. Morton. 2,082,412; June 1.
Concentrating machine. J. W. Merritt. 2,082,504; June 1.
Concrete block machine. C. L. Sanford. 2,082,721; June 1.
Concrete conveyor, Portable. W. H. Reimann. 2,081,956; June 1.
Condenser: *See*—
Electrostatic condenser.
Condenser arrangement. R. Koch. 2,082,641; June 1.
Conductor support. V. I. Cruser. 2,082,099; June 1.
Connecter: *See*—
Electrical connecter.
Connecter. A. A. Berndt. 2,082,566; June 1.
Connection, Threaded bearing. J. W. Leighton. 2,082,250; June 1.
Connection, Transformer. O. P. McCarty. 2,082,645; June 1.
Construction adapted to cover large surfaces. E. G. P. Mopin. 2,082,116; June 1.
Construction block. E. A. Sterns. 2,082,429; June 1.
Contact system for vibratory switches, Stationary. F. O. Hartman. 2,082,493; June 1.
Container: *See*—
Sealed container. Visible container.
Shipping container.
Container. C. D. Fallert. 2,082,200; June 1.
Container for bathers, Waterproof. A. C. Hoffman. 2,081,930; June 1.
Container sealing machine. I. E. Black, F. J. Hoffer, and H. B. Silver. 2,081,908; June 1.
Containers, Producing glass. C. B. Garwood. 2,082,695; June 1.
Control device. W. L. Stuyverson. 2,082,603; June 1.
Control means for mechanical refrigerators, Automatic. R. R. Nydegger. 2,082,023; June 1.
Control system. W. Tallmadge. 2,082,470; June 1.
Controlling apparatus. J. Kirgan. 2,082,009; June 1.
Conveyer system. C. S. Jennings. 2,082,206; June 1.
Cord, Coiling. H. M. Hay. 2,081,928; June 1.
Core for automatic rewinding machines. R. H. Schultz, A. J. Siebert, and L. C. Borloz. 2,082,031; June 1.
Cosmetic applicator. C. A. Mureau. 2,082,255; June 1.
Cotton picker. A. C. Freudenberg. 2,082,053; June 1.
Counterbalancing device. R. R. Bloss and R. C. Pfeil. 2,082,761; June 1.
Counting mechanism for soles and other articles. F. E. Bertrand. 2,082,045; June 1.
Coupling device, High-frequency. C. C. Neighbors and W. H. James. 2,082,590; June 1.
Coupling for high-frequency coupling devices, Adjustable. C. C. Neighbors and H. E. Meinema. 2,082,589; June 1.
Cover for cotton linters, Removable brush. C. R. Carr. 2,081,903; June 1.
Crane, Portable. G. A. McClain. 2,082,017; June 1.
Cravat holder, Adjustable. E. L. Anderson. 2,082,747; June 1.
Crusher pitman. G. Buchanan. 2,081,982; June 1.
Current generator and converter. A. B. Du Mont. 2,082,327; June 1.
Current interrupter, Plunger-type. H. L. Rawlins. 2,082,028; June 1.
Curtain rod, clothes line, and the like, Helical wire. E. Pearson. 2,082,301; June 1.
Cushions particularly for seats and back supports of vehicles. F. M. J. T. de Poix. 2,082,151; June 1.
Cutting machine or the like and drive therefor. L. B. Terhune. 2,081,962; June 1.
Dairy plant. H. McCornack. 2,081,947; June 1.
Damper. J. T. Moran. 2,082,298; June 1.
Detector: *See*—
Leak detector.
Device for focusing enlargers. D. B. McRae. 2,082,170; June 1.
Die head. C. A. Reimschissel. 2,082,757–8; June 1.
Discharge apparatus, Electric. O. W. Pike and T. A. Elder. 2,082,651; June 1.
Dishwashing machine. C. A. Hull. 2,082,004; June 1.
Disintegrator. C. A. Rietz. 2,082,419; June 1.
Dispenser: *See*—
Beverage dispenser. Paper dispenser.
Gummed tape dispenser.
Dispensing device. H. E. Brandt. 2,082,146; June 1.
Dispensing device. F. Taylor. 2,082,527; June 1.
Display box. H. V. Costigan. 2,082,762; June 1.
Display stand, Seat cover. J. W. Osten. 2,082,214; June 1.
Distiller's slop, Treating. J. S. McHargue. 2,082,711; June 1.
Distribution system. A. B. Rypinski. 2,082,122; June 1.
Door brace, Adjustable. P. W. Leffland. 2,082,012; June 1.
Door closing and checking device. D. R. Lasier. 2,082,455; June 1.
Door operating mechanism, Dump car. V. H. Harbert. 2,082,003; June 1.
Dough divider, Automatic. W. R. Kauffman. 2,081,933; June 1.
Drainage system, Beer coil. B. W. Baker. 2,082,137; June 1.
Drawer partitioning. A. Vanderveld. 2,082,667; June 1.
Drawer structure, Foldable and extendible. H. D. Waugh. 2,082,672; June 1.
Drier: *See*—
Shoe drier.
Drill: *See*—
Rock drill.
Drill presses, Attachment for. C. Turnepseed. 2,082,310; June 1.
Drill steel rotation mechanism. E. G. Gartin. 2,081,924; June 1.
Drilling apparatus. E. G. Gartin. 2,081,923; June 1.
Drilling machine control, Multiple spindle. H. W. Fox, A. A. Riddell, and H. D. Corwin. 2,082,103; June 1.
Drive, Flat belt. R. E. S. Geare. 2,082,540; June 1.
Drive for centrifugal oil testing machines, Electrical motor. W. L. Melton. 2,082,713; June 1.
Drive for knitting machines. J. and R. H. Lawson. 2,082,207; June 1.

Drive mechanism for shaker conveyers. W. W. Sloane. 2,082,361; June 1.
Drive, Supercharger. E. J. Smith and E. S. Bush. 2,082,556; June 1.
Dual wheel. A. W. Dunn. 2,082,384; June 1.
Dust collector. W. S. Bowen. 2,082,242; June 1.
Dye liquor and method, Mineral. C. B. White. 2,082,087; June 1.
Dyestuffs, Azo. F. Felix and W. Huber. 2,082,156; June 1.
Dyestuffs, Azo. K. Holzach and B. v. Bock. 2,082,495; June 1.
Dyestuffs of the anthraquinone series, Acid wool. K. Weinand and C. Bamberger. 2,082,192; June 1.
Dyestuffs of the dioxazine series, High molecular. G. Krünzlein, H. Greune, W. Schultheis, and G. Langbein. 2,082,344; June 1.
Electric control system. R. McC. Johnstone. 2,082,634; June 1.
Electric device and making the same. J. C. Rab. 2,082,027; June 1.
Electric lamp. J. Dulberg. 2,082,326; June 1.
Electric motor. L. Scruggs. 2,082,264; June 1.
Electric sign. J. J. Segal. 2,082,523; June 1.
Electric signaling system. P. N. Bossart. 2,082,143; June 1.
Electric switch. A. Guinosso. 2,082,448; June 1.
Electric switch. C. H. Hill. 2,082,630; June 1.
Electric wave reception. G. L. Beers. 2,082,478; June 1.
Electrical apparatus. A. W. Barber. 2,082,317; June 1.
Electrical connecter. H. C. Kissel. 2,082,453; June 1.
Electrical control mechanism for trolley bucket plants. H. E. Hallenbeck. 2,082,393; June 1.
Electrical control system. R. D. Amsden. 2,082,607; June 1.
Electrical control system. J. W. Dawson. 2,081,987; June 1.
Electrical discharge device. K. H. Kingdon. 2,082,638; June 1.
Electrical distribution system. W. H. Frank. 2,082,281; June 1.
Electrical uses, Apparatus for. M. L. Svikhart. 2,082,128; June 1.
Electron discharge device. V. L. Ronci. 2,082,120; June 1.
Electrostatic condenser. J. B. Dow. 2,081,914; June 1.
Elevator control system. E. M. Bouton and H. W. Williams. 2,081,980; June 1.
Elevator system. D. Santini. 2,082,657; June 1.
Engine: *See*—
Internal combustion engine
Engine controlling device, Hydraulic. E. Martin and J. E. Anderson. 2,081,946; June 1.
Engine cooling and air conditioning system for self-propelled vehicles. W. B. Stout and E. H. Wright. 2,082,230; June 1.
Engine intake regulating means. T. Hiscock. 2,082,597; June 1.
Ergot extracts, Obtaining. M. S. Kharasch and R. R. Legault. 2,082,343; June 1.
Ergot preparation, Obtaining an effective. M. S. Kharasch and R. R. Legault. 2,082,342; June 1.
Esters of nucleotides and making same. M. Hartmann and F. Locher. 2,082,395; June 1.
Exercising apparatus. H. Zinnow. 2,082,272; June 1.
Extrusion device. C. E. Coleman. 2,082,618; June 1.
Fabric and making same, Coated. E. H. Nollau. 2,082,592; June 1.
Fabrics, Displaying and dispensing means for narrow. B. J. Goldsmith. 2,082,490; June 1.
Facial steaming pad. J. Dopyera. 2,082,153; June 1.
Fastener: *See*—
Hose fastener. Slide fastener.
Separable fastener.
Fastener for license plates. C. F. Van Blankensteyn. 2,082,311; June 1.
Fasteners, Method of and apparatus for making lead head. J. M. Upton. 2,082,604; June 1.
Fastening device. F. K. Herschmann. 2,082,577; June 1.
Feed, Producing animal. E. Baur. 2,082,198; June 1.
Feeder: *See*—
Reagent feeder.
Fibrous articles, Method of and apparatus for forming. G. J. Manson. 2,082,409; June 1.
Fibrous material, Coating. M. J. Vittengl. 2,082,559; June 1.
Filaments and staple fibers, Apparatus for coating. W. Whitehead. 2,081,967; June 1.
File and like tool. R. C. Charlton. 2,082,685; June 1.
Filler package. L. Benoit. 2,082,564; June 1.
Filling system. E. W. Bleam. 2,082,567; June 1.
Film, Apparatus for projecting lenticular. J. Eggert and G. Heymer. 2,082,154; June 1.
Film holder. I. N. Odell. 2,082,257; June 1.
Films and foils, Process and apparatus for the manufacture of. G. Frenkel. 2,082,486; June 1.
Films, Arrangement for recording, reproducing, and printing. H. Liedtke and H. Freese. 2,082,456; June 1.
Filter: *See*—
Liquid filter.
Filter for ventilating systems or apparatus, Air. C. Christofferson. 2,082,481; June 1.
Filtering apparatus. E. Kinsella and C. W. Addy. 2,082,452; June 1.
Finger printing method. W. Heinecke. 2,082,735; June 1.
Finish, Ornamental. J. Lavenson. 2,082,346; June 1.
Firearm. N. S. Hillyard. 2,082,288; June 1.
Fire extinguisher, Bracket type. C. O. G. Wittig. 2,082,089; June 1.
Fire extinguisher, Suspended type. C. O. G. Wittig. 2,082,090; June 1.
Fire extinguishing apparatus and method. H. L. Patton. 2,082,216; June 1.
Fish lure. L. W. Strong. 2,082,305; June 1.
Fish scrap, Drying. A. R. Smith. 2,082,555; June 1.
Flap gate. E. C. Hillman. 2,082,543; June 1.
Floor covering. B. Bronson. 2,082,047; June 1.
Flow meter. E. L. Fischer. 2,082,539; June 1.
Fluid pressure controller device. E. G. McCauley. 2,082,410; June 1.
Fluids, Apparatus and process for heating. J. G. Alther. 2,081,970; June 1.
Fluids, Apparatus for determining characteristics of. R. D. McDill. 2,082,252; June 1.
Fluids, Heating. J. G. Alther. 2,081,973; June 1.
Fluids, Process and apparatus for heating. J. G. Alther. 2,081,972; June 1.
Fluids, Process for the very rapid heating of. J. W. Hays. 2,082,338; June 1.
Flush valve. S. S. Stafford. 2,082,226; June 1.
Flying machine. J. F. Boettner. 2,082,376; June 1.
Folding mechanism. O. H. Sather. 2,082,262; June 1.
Folding table. D. S. Lewis. 2,082,013; June 1.
Food in closed containers, Apparatus for sterilizing and subsequently cooling. K. Omsted. 2,082,460; June 1.
Form cleaning apparatus. R. Van Hyning. 2,082,746; June 1.
Form, Display. S. G. Allan. 2,082,135; June 1.
Form grinding apparatus. H. J. Griffing and C. G. Flygare. 2,082,734; June 1.
Forming and assembling machine. H. C. Coppins. 2,081,913; June 1.
Forming machine. H. C. Coppins. 2,081,910; June 1.
Frame: *See*—
License plate frame. Picture frame.
Frame for tractors, Implement hoisting. R. G. Le Tourneau. 2,081,939; June 1.
Freezer, Ice cream. H. H. Lewis and W. H. Ziegler. 2,082,752; June 1.
Friction clutch. H. V. Reed. 2,082,655; June 1.
Fruit, Treatment of. R. E. Hall. 2,082,573; June 1.
Fuel economizer for internal combustion engines. E. J. Giara. 2,082,389; June 1.
Fuel saving device. A. C. Lindbloom. 2,082,583; June 1.
Fuel valve lock. C. E. Leece. 2,082,643; June 2.
Funnel, Can-opening. C. F. Bertschinger. 2,082,094; June 1.
Fur cleaning device. L. P. Falconer. 2,082,051; June 1.
Furfural and furan derivatives, Reduction of. F. N. Peters, Jr. 2,082,025; June 1.
Furnace: *See*—
Roller hearth furnace.
Furnace. J. Eberwein. 2,081,990; June 1.
Furniture construction. E. C. Sechrest. 2,082,427; June 1.
Garden tool. J. S. Allen. 2,082,476; June 1.
Garment loop attachment. G. A. C. Baxter. 2,082,438; June 1.
Garment, Moistureproof nether. H. W. Edmiston. 2,081,915; June 1.
Gas heating unit. R. G. Miner. 2,082,176; June 1.
Gas off-take, Valved. J. S. Potter. 2,082,118; June 1.
Gas pressure regulator. L. W. Stettner. 2,082,227; June 1.
Gas producer. O. Zeisloft and F. N. Becker. 2,082,530; June 1.
Gases, Liquefying and storing fuel. L. S. Twomey. 2,082,189; June 1.
Gases to liquids, Conversion of hydrocarbon. R. F. Ruthruff and W. E. Kuentzel. 2,082,520; June 1.
Gases, Treatment of. F. W. Sperr, Jr. 2,081,960; June 1.
Gaseous discharge rectifier. J. D. LeVan. 2,082,165; June 1.
Gaseous olefins, Polymerization of. W. E. Kuentzel and R. F. Ruthruff. 2,082,454; June 1.
Gate: *See*—
Flap gate.
Gauge: *See*—
Water gauge.
Gear: *See*—
Airplane landing gear. Steam valve gear.
Landing gear.
Gear-changing mechanism for motor vehicles. R. C. Clerk. 2,082,382; June 1.
Gear mechanism, Auxiliary. A. D. Baker. 2,082,092; June 1.
Gear reduction unit, Adjustable. I. H. Dunham. 2,082,446; June 1.
Generator: *See*—
Oscillation generator. Steam generator.
Germicidal preparation, Producing a. M. C. Hart. 2,082,625; June 1.
Governor, Hydraulic. C. J. Bullick. 2,082,680; June 1.
Grass trimmer. J. M. Hosier. 2,082,764; June 1.
Grate, Furnace. R. W. Foster. 2,082,201; June 1.

Grating. W. A. Bates. 2,082,197; June 1.
Grid pasting machine. A. D. Lund. 2,081,943–4; June 1.
Grinder, Cup. W. P. Leshure. 2,082,404; June 1.
Grinding machine. W. H. Wood and C. G. Flygare. 2,082,727; June 1.
Grinding machine. W. H. Wood. 2,082,728; June 1.
Guide, Brake shoe. B. Dick. 2,082,244; June 1.
Gum from drying oils, Manufacture of miscible. E. M. Williams. 2,082,371; June 1.
Gummed tape dispenser. T. R. Gautier. 2,082,733; June 1.
Gun, Hydraulic. C. F. Frede and K. S. Howard. 2,082,330; June 1.
Gun, Pressure grease. F. K. Schneider and F. H. Ehnts. 2,082,521; June 1.
Gun, Spray. A. F. Jenkins. 2,082,060–01; June 1.
Hat. G. Swift. 2,082,083; June 1.
Heald of looms for weaving. M. W. Carr. 2,082,480; June 1.
Heater: *See*—
  Orchard heater.
Heater construction, Water. W. S. Moffitt. 2,082,648; June 1.
Heating apparatus for breaking down emulsions. J. W. Hays. 2,082,337; June 1.
Heating process and apparatus. A. E. Hassler and H. W. Field. 2,081,927; June 1.
Heel-covering machine. L. J. Bazzoni. 2,082,043; June 1.
Hogshead. W. S. Luckett. 2,082,071; June 1.
Holder: *See*—
  Cravat holder. Necktie holder.
  Film holder.
Hollow bodies from plastics, Making thin-walled. A. Nadai. 2,082,715; June 1.
Honing apparatus. H. S. Indge. 2,082,737; June 1.
Hoop, Cheese. E. C. Damrow. 2,082,570; June 1.
Hose fastener. J. C. Tompkins. 2,082,367; June 1.
Hosiery, Production of. E. Elssner. 2,082,385; June 1.
House, Chicken. L. P. Wright. 2,082,132; June 1.
Humidifier. G. D. Stone. 2,082,363; June 1.
Hydraulic brake. G. F. McDougall. 2,082,019; June 1.
Hydraulic operating mechanism. G. W. Bower. 2,082,613; June 1.
Hydrocarbons, Pyrolytic treatment of. P. C. Keith, Jr. 2,082,636; June 1.
Ice, Method and apparatus for manufacturing oblong blocks of clear. M. J. Uline. 2,082,665; June 1.
Ignition coil system. F. D. Bentley. 2,081,979; June 1.
Ignition device for gas burners. C. E. Methudy. 2,082,296; June 1.
Ignition timer and coil. M. Mallory. 2,082,709; June 1.
Illuminating device. L. L. Stafford. 2,082,266; June 1.
Incandescent lamp, Tubular electric. P. O. Carfun. 2,082,616; June 1.
Indicator: *See*—
  Phase indicator. Visual content indicator.
  Tire deflation indicator.
Indicator for house numbers or the like, Illuminated. F. L. Shelor. 2,082,724; June 1.
Indicator for liquid mixtures, Water content. J. L. O'Donnell. 2,082,213; June 1.
Ingots, Method and apparatus for stripping. G. A. Dornin. 2,082,571; June 1.
Inking mechanism for printing machines. H. V. Ball. 2,081,906; June 1.
Insect exterminator. D. G. McIvor. 2,082,712; June 1.
Instrument for examining the eyes. C. C. Allen, G. E. Park, and R. S. Park. 2,081,969; June 1.
Insulating insert of metal. H. von Forster and R. Haefner. 2,082,557; June 1.
Insulator, Bushing. T. F. Brandt. 2,082,046; June 1.
Insulator, Clip. J. B. Fore. 2,082,279; June 1.
Insulator supporting pin. F. P. Sexton. 2,082,220; June 1.
Interlocking system for railroads. S. N. Wight. 2,082,437; June 1.
Internal combustion engine. C. C. Ottoson. 2,082,078; June 1.
Internal combustion engine. W. R. Strickland. 2,082,231; June 1.
Internal combustion engine. J. M. Ulrich. 2,082,666; June 1.
Iron, Chair. E. C. Keyworth. 2,082,499; June 1.
Irrigation signal. J. H. Garrison. 2,082,763; June 1.
Isoviolanthrone derivatives and their preparation. A. J. Wuertz and W. H. Lycan. 2,082,560; June 1.
Jetty. L. L. Mahon. 2,082,707; June 1.
Joint: *See*—
  Butt joint. Wood joint.
  Pipe joint.
Joint for lubricating apparatus. A. W. Reader. 2,082,654; June 1.
Juices, Decolorizing sugar. E. Scheller. 2,082,425; June 1.
Juices, Preserving the natural properties of fruit, vegetable and similar. E. Schoop. 2,082,426; June 1.
Keying device. I. M. Ingerson. 2,082,697; June 1.
Kiln and operating same, Tunnel. G. D. Phillips. 2,081,954; June 1.
Knitting machine, Circular. J. Sirmay. 2,082,127; June 1.
Knob, Control. W. J. Adams, Jr. 2,082,091; June 1.
Lamp: *See*—
  Automobile lamp. Incandescent lamp.
  Electric lamp. Portable lamp.
Lamp finishing machine. C. B. Palucki. 2,082,079–80; June 1.
Lamp for vehicles, Collisionproof clearance. H. J. Sauer. 2,082,659; June 1.
Landing gear. C. G. Seyferth and H. E. Swanson. 2,082,033; June 1.
Lantern, Electric hand. C. H. Larson. 2,082,067; June 1.
Lantern, Emergency. C. S. Beller. 2,082,676; June 1.
Last, Shoe. E. G. Worthington. 2,082,196; June 1.
Last support. A. F. Totz. 2,082,308; June 1.
Laundry finishing machine. L. David and A. Rosenblatt. 2,082,243; June 1.
Lead pigment and making the same, White. R. L. Sessions. 2,082,032; June 1.
Leak detector. W. M. Smith. 2,082,035; June 1.
Lens centering apparatus. J. A. Keenan. 2,081,936; June 1.
Lens, Light spreading. W. A. Dorey and T. W. Rolph. 2,082,100; June 1.
License plate. P. A. White. 2,082,434; June 1.
License plate frame. A. S. Campbell. 2,082,732; June 1.
Lift implement, Power. F. D. Jones. 2,082,247; June 1.
Lighting apparatus. L. Schepmoes. 2,082,124; June 1.
Lighting unit. A. F. H. Davis. 2,082,687; June 1.
Light sensitive derivatives of vat-dyestuffs and preparing them. P. Ochwat and B. Wendt. 2,082,178; June 1.
Lining, Furnace. J. Karmanocky. 2,082,698; June 1.
Liquid filter. J. D. Wicks and J. N. Mowery. 2,081,968; June 1.
Liquid level indicator and valve therefor. C. L. Seward, Jr. 2,082,723; June 1.
Liquid treatment. W. H. Green. 2,082,491; June 1.
Liquids, Congealing. F. Bazzi. 2,082,439; June 1.
Liquor sampling cell. G. Nonhebel and R. A. Bell. 2,082,299; June 1.
Liquids, Apparatus for counter-current contact treatment of. R. B. Smith. 2,082,034; June 1.
Lister. W. H. Silver. 2,082,554; June 1.
Load lifter-actuating means. C. Christianson. 2,082,686; June 1.
Localizer for web cutting machines. J. J. Logan. 2,082,705; June 1.
Lock: *See*—
  Fuel valve lock.
  Mortise and tenon joint lock.
Lock. W. F. Moore. 2,082,351; June 1.
Lock. L. E. Williams. 2,082,195; June 1.
Locking device for pins. E. R. Williams. 2,082,315; June 1.
Locking means for multiple closures. L. L. Hansen. 2,082,449; June 1.
Locomotive drifting mechanism. F. W. Corcoran. 2,082,274; June 1.
Loom. W. F. Bird and W. R. Hewton. 2,082,321; June 1.
Loom shuttle, Automatic. C. E. Brierley. 2,082,678; June 1.
Lubricating apparatus. J. Bijur. 2,081,907; June 1.
Lubricating apparatus, Centralized. J. Bijur. 2,082,768; June 1.
Lubrication. J. Bijur. 2,082,769–70; June 1.
Lubricator: *See*—
  Rail lubricator.
Machine for assembling cartons. L. Benoit. 2,082,565; June 1.
Machine for digging ballast. F. H. Philbrick. 2,082,594; June 1.
Machine for forming hollow glass articles. C. C. Kinker. 2,082,640; June 1.
Machine for producing hollow glass articles. C. C. Kinker. 2,082,639; June 1.
Machine for sterilization by compression. A. Y. Dodge. 2,082,445; June 1.
Machine for washing drinking vessels. R. H. Greer, Jr., J. Burgess, and W. F. Ohme. 2,082,285; June 1.
Machine-supporting means, Endless-tread. B. H. Flynn. 2,082,693; June 1.
Machinery for making wire fencing. J. B. and B. E. Getz, and J. H. Leader. 2,082,388; June 1.
Magazine, Roll-film. C. A. Traenkle. 2,082,232; June 1.
Magnets, Producing permanent. C. S. Williams. 2,082,041; June 1.
Magnetic regulating device, Slow. A. B. Rypinski. 2,082,121; June 1.
Mandrel, Expansible. E. Lässer. 2,082,345; June 1.
Manifolding device. W. G. Borchers. 2,082,729; June 1.
Manifolding device. C. W. Brenn. 2,082,730; June 1.
Manure spreader. F. W. Kirby. 2,082,249; June 1.
Map retaining and displaying device. W. G. Hollingsworth. 2,082,246; June 1.
Mat, Bathtub. J. G. Gavlak. 2,081,992; June 1.
Mat for the use of golfers. W. S. Bauer. 2,082,563; June 1.
Material insulator for use in vacuum. R. J. Van de Graaff. 2,082,474; June 1.
Materials and winding and unwinding twistable materials, Winding and put-up of twistable. B. J. Goldsmith. 2,082,489; June 1.
Mechanical movement. O. A. Netschke. 2,082,256; June 1.

Mechanical rack. G. A. Anderson. 2,082,236; June 1.
Metal and producing the same, Aluminum coated. C. G. Fink. 2,082,622; June 1.
Metal bending apparatus. J. E. Rawson. 2,082,653; June 1.
Metal element for use in erecting toy building structures. J. L. Badel. 2,082,138; June 1.
Metals from ores, Extracting. C. Coetz. 2,082,284; June 1.
Metallic bodies, Manufacturing porous. R. Schulz. 2,082,126; June 1.
Metallic products, Producing finely divided. J. L. Stevens. 2,082,362; June 1.
Metallized product and preparing the same. R. T. K. Cornwell. 2,081,985; June 1.
Metalworking machine, Automatic. H. W. Rupple. 2,082,081; June 1.
Meter: *See*—
  Flow meter. Polyphase watthour meter.
Meters to compensate for temperature variations, Apparatus to calibrate. A. J. Granberg. 2,082,392; June 1.
Mill: *See*—
  Roller mill.
Milling machine. A. F. Bennett and A. L. Krause. 2,082,140; June 1.
Mineral sand for the separation of one constituent therein from another, Treatment of. M. A. Corbett. 2,082,383; June 1.
Mining machine. T. E. Pray. 2,082,119; June 1.
Mirror support, Rear view. L. G. Ponce. 2,082,596–7; June 1.
Mixing, Method of. E. C. Ljungberg. 2,082,545; June 1.
Mixture of calcium and magnesium hydroxides, Treating a. E. E. Dougherty. 2,082,101; June 1.
Modulation measurement. H. Grumel. 2,082,492; June 1.
Moisture tester. A. O. Storé. 2,082,364; June 1.
Mold of typographical slug casting machines. C. A. Albrecht. 2,082,532; June 1.
Mortise and tenon joint lock. D. Orenstein. 2,082,300; June 1.
Moth-proofing detergent composition. H. Stötter and T. Hermann. 2,082,188; June 1.
Motion, Mechanism for transmitting. A. R. Havener. 2,082,336; June 1.
Motion transforming mechanism. A. C. de Bruin. 2,082,483; June 1.
Motor: *See*—
  Alternating current motor. Small synchronous motor.
  Electric motor. Windshield wiping motor.
  Pressure fluid motor.
Motor control system. F. B. Powers. 2,082,026; June 1.
Motor controlled valve. W. Tallmadge. 2,082,471; June 1.
Motor structure, Outboard. F. T. Irgens. 2,082,058; June 1.
Motor with underwater exhaust, Reversible outboard. F. T. Irgens. 2,082,059; June 1.
Mount, Gun. T. J. Heavey. 2,081,929; June 1.
Mounting, Closet. A. Le Tarte. 2,082,348; June 1.
Mounting for thermometers. W. F. Herold. 2,082,750; June 1.
Mounting, Ophthalmic. B. J. Lowres. 2,082,070; June 1.
Mower, Lawn. W. Moe. 2,082,647; June 1.
Mower, Power. L. H. Squires and W. D. Zieger. 2,082,600; June 1.
Music instruction device. A. F. von der Linden. 2,082,432; June 1.
Napkin, Folded. F. L. Broeren. 2,082,731; June 1.
Necktie. N. Gold. 2,082,447; June 1.
Necktie holder. M. L. Lee. 2,082,011; June 1.
Network unit, Thermally protected. J. S. Parsons. 2,082,024; June 1.
Nitrogenous condensation products and making same. T. Sutter. 2,082,306; June 1.
Nonspill vent plug. J. L. Woodbridge. 2,082,605; June 1.
Nose pad coupling means for eyeglass frames. V. Tanasso and J. J. Pomeranz. 2,082,084; June 1.
Oil and moistureproofing composition and products made therefrom. R. R. Ferguson. 2,082,278; June 1.
Oil, Device for filtering and cooling. A. F. Cardenas. 2,082,682; June 1.
Oil groove cutting device. C. A. Nickles. 2,082,212; June 1.
Oil product and making same, Drying. F. B. Root. 2,082,515; June 1.
Oil, Sweetening a hydrocarbon. F. Gardner. 2,082,331; June 1.
Oil to cracking temperatures, Heating. J. G. Alther. 2,081,971; June 1.
Oil, Treating hydrocarbon. P. C. Keith, Jr. 2,082,637; June 1.
Oil, Treating hydrocarbon. H. R. Snow. 2,082,224; June 1.
Oil wells and the like, Drilling and simultaneously exploring. E. V. Foran, S. S. Parker, and J. G. Bird. 2,082,329; June 1.
Oils, Making high viscosity index lubricating. E. W. Gardiner, J. W. Greene, and A. L. Lyman. 2,082,203–4; June 1.
Olefin polymerization. R. F. Ruthruff. 2,082,519; June 1.
Opener attachment, Can. W. Kusnarowis. 2,082,402; June 1.
Orchard heater. H. Graf. 2,081,925; June 1.
Ores, Method and apparatus for concentrating. F. F. Grant. 2,082,157; June 1.
Oscillation generator. H. Tunick. 2,082,472; June 1.
Oven, Regenerative coke. C. Otto. 2,082,215; June 1.
Packing case. B. B. Joseph. 2,082,007; June 1.
Pad: *See*—
  Bust pad. Sole pressing pad.
  Facial steaming pad.
Painting and decorating. C. J. Ernst. 2,082,050; June 1.
Pan for cotton linters, Seed. C. R. Carr. 2,081,902; June 1.
Panel mounting means. H. B. Warren. 2,082,235; June 1.
Pantograph. C. W. Brown. 2,082,615; June 1.
Paper cleaning device. C. J. Merrill. 2,082,411; June 1.
Paper dispenser. A. G. Krueger. 2,082,765; June 1.
Paper feeding mechanism. G. A. Knudsen. 2,082,766; June 1.
Pavement and making the same, Cold-lay. L. T. Peden. 2,082,259; June 1.
Perishable commodities, Shipping and/or storing. J. M. W. Chamberlain. 2,082,381; June 1.
Phase indicator. H. J. Schrader and G. Swift. 2,082,030; June 1.
Phenols, Preparing tertiary alkyl. C. M. Beamer. 2,082,044; June 1.
Phonograph. M. Lehman. 2,082,208; June 1.
Phonograph. B. A. Proctor. 2,082,353; June 1.
Phonograph repeating, charting, and projecting mechanism. A. L. Runyan. 2,082,261; June 1.
Photography, Color. E. Jacobsen. 2,082,579; June 1.
Picture frame. H. E. Scharling. 2,082,082; June 1.
Picture projecting apparatus, Motion. R. T. Friebus. 2,082,488; June 1.
Pin: *See*—
  Insulator supporting pin. Pole-top pin.
Pipe: *See*—
  Tobacco pipe.
Pipe fitting and like article. F. H. Benge. 2,082,611; June 1.
Pipe joint. N. Herzmark. 2,082,054; June 1.
Pipe thread protecting device. L. S. Cunderman. 2,082,286; June 1.
Piston ring spring. A. Guerriero. 2,082,332; June 1.
Piston ring, Two-piece. J. G. Hodge. 2,082,056; June 1.
Pitman. L. A. Paradise. 2,082,258; June 1.
Planter, Onion set. C. Dekker. 2,082,688; June 1.
Plastic impression device. H. D. and J. F. Kivlahan. 2,082,451; June 1.
Plate for dough molding machines, Padded compression. E. T. Parsons and H. W. Sawyer. 2,082,753; June 1.
Platform, Buffing. C. H. Tomlinson. 2,081,964; June 1.
Plating, Mechanism and process for effecting reverse. J. and R. H. Lawson. 2,082,751; June 1.
Pliers, Glass. K. Voigt. 2,082,669; June 1.
Plug: *See*—
  Nonspill vent plug. Theftproof plug.
Plug for storage batteries, Non-spill vent. J. L. Woodbridge. 2,082,606; June 1.
Pole climber. H. E. Shaw and J. Brogden. 2,082,553; June 1.
Pole-top pin. R. R. Pittman. 2,082,507; June 1.
Polyphase watthour meter, Detachable. W. M. Bradshaw. 2,081,981; June 1.
Portable lamp. B. A. Dickerson. 2,082,689; June 1.
Poultry, Plucking. N. H. Grace. 2,081,994; June 1.
Powder box and puff, Combination. J. E. Gaudreau and R. A. Miner. 2,082,049; June 1.
Power generating and transmitting organization. J. Reid. 2,082,260; June 1.
Power transmission. F. W. Wilkens. 2,082,040; June 1.
Power transmission device. P. Whitcomb. 2,082,433; June 1.
Power transmission system, Hydraulic. J. N. Kiep. 2,082,581; June 1.
Power supply unit. R. B. McKinley. 2,080,168; June 1.
Preparations having an anti-emetic action, Manufacture of. C. H. Von Hoessle and R. Müller. 2,082,233; June 1.
Press: *See*—
  Printing press.
Press fitting. R. J. Brittain, Jr. 2,082,379; June 1.
Pressure fluid motor. E. G. Gartin. 2,082,205; June 1.
Pressure on the insulation of electric cables, Exerting an artificial. K.-H. Nägeli. 2,082,649; June 1.
Primary element. J. Gyuris. 2,081,926; June 1.
Printing. W. W. Mock. 2,081,949; June 1.
Printing machine. W. T. Gollwitzer. 2,082,245; June 1.
Printing machine, Multicolor. J. A. Boyce. 2,082,145; June 1.
Printing mechanism for adding and recording machines. M. Garbell. 2,082,282; June 1.
Printing plates, Method of and machine for, registering and proving. H. A. W. Wood. 2,082,372; June 1.
Printing press. C. S. Crafts and S. D. Livingston. 2,082,324; June 1.
Printing press. M. H. Hill. 2,082,396; June 1.
Printing press, Sheet fed multicolor rotary. H. M. Barber. 2,082,318–9; June 1.
Printing telegraph apparatus. A. H. Reiber. 2,082,511; June 1.

Printing telegraph system. E. M. Mowton. 2,082,075; June 1.
Protector: *See*—
Arm protector. Thread protector.
Shoe protector.
Pulley. A. Chachula. 2,082,684; June 1.
Pulling-over machine. A. E. Lindblad. 2,081,940; June 1.
Pump. W. J. Smith. 2,082,265; June 1.
Pump stand assembling and retaining means. J. G. Miller. 2,082,173; June 1.
Rack: *See*—
Mechanical rack.
Radio direction system. A. Leib and H. Scharlau. 2,082,347; June 1.
Radio receiving apparatus. S. A. Stevens. 2,082,187; June 1.
Radio receiving system. W. R. Koch. 2,082,767; June 1.
Radio system. I. Wolff. 2,082,042; June 1.
Radio transmission system. G. H. Brown. 2,082,096; June 1.
Rail joint closer. N. Hamre. 2,082,394; June 1.
Rail lubricator. T. A. S. Munford. 2,082,414; June 1.
Railway sleeper. U. Isman and E. Modiano. 2,082,399; June 1.
Rake, Sweep. C. M. Voorhees. 2,082,670; June 1.
Ratchet wrench. T. O. Rueb. 2,082,356; June 1.
Razor. E. J. Hoerres. 2,082,290; June 1.
Razor blade-package carrier, Safety. S. H. Benjamin. 2,082,440; June 1.
Razor blade sharpening apparatus. J. Polney. 2,082,755; June 1.
Reagent feeder. J. H. Cheavens. 2,082,149; June 1.
Receiving apparatus for communication systems for railway trains. A. J. Sorensen. 2,082,185; June 1.
Receptacle. P. Berni. 2,082,760; June 1.
Receptacle for tobacco products, Bag-like. B. Midulla. 2,082,714; June 1.
Receptacles, Apparatus for filling liquid. C. W. Bondurant. 2,082,534; June 1.
Receptacles for accessories, Producing. E. H. Maguire. 2,082,585; June 1.
Receptacles, Forming. R. L. Bussey. 2,082,323; June 1.
Recorder print wheel. P. A. Newman. 2,082,591; June 1.
Recording instrument. J. H. Hagenguth and W. A. McMorris. 2,082,624; June 1.
Reflanging attachment for can sealers. C. Nelson. 2,082,177; June 1.
Refractory insulation. O. L. Jones. 2,081,935; June 1.
Refrigerant distributor head. L. U. Larkin. 2,082,403; June 1.
Refrigerating apparatus. L. A. Philipp. 2,082,549; June 1.
Refrigeration apparatus. E. S. Pridham. 2,082,756; June 1.
Refrigerator control. E. C. Raney. 2,082,510; June 1.
Refrigerator, Display and storage. T. G. Boss. 2,082,377; June 1.
Register for air conditioning apparatus, Control. S. Hart. 2,082,335; June 1.
Register for gasoline. R. S. Townsend and E. Farley. 2,082,368; June 1.
Regulating system. F. H. Gulliksen. 2,081,995; June 1.
Regulating system. H. T. Langabeer. 2,082,110; June 1.
Regulator: *See*—
Gas pressure regulator.
Remote control. S. H. Lanyon. 2,082,703; June 1.
Reproduction of animal skins and the like, Photomechanical. K. Elchstädt. 2,081,916; June 1.
Resistance element. J. R. Fisher. 2,082,102; June 1.
Retort for the continuous distillation of carbonaceous materials, Vertical. F. J. and E. West. 2,082,270; June 1.
Reverse-current switch. D. W. Exner. 2,081,991; June 1.
Ring: *See*—
Piston ring.
Ringer. H. A. Bredehoft. 2,082,095; June 1.
Rock drill. E. G. Gartin. 2,081,917–20; June 1.
Rock drill feeding mechanism. E. G. Gartin. 2,081,921; June 1.
Rock drill mechanism. M. C. Huffman. 2,081,931; June 1.
Rock drilling mechanism. E. G. Gartin. 2,081,922; June 1.
Rock drilling mechanism. M. A. and M. A. Palmer, Jr. 2,082,418; June 1.
Roll forged articles, Apparatus for making. F. L. Scoutten. 2,081,959; June 1.
Roll supporting and manipulating mechanism, Web. H. A. W. Wood. 2,082,373; June 1.
Roller hearth furnace. G. W. Hegel. 2,082,628; June 1.
Roller mill. J. W. Kent and E. Peters. 2,082,498; June 1.
Rubber products, Manufacture of. M. J. Stam. 2,082,304; June 1.
Safety device. A. J. McMaster. 2,082,210; June 1.
Sash, Metal. D. J. Murnane. 2,082,117; June 1.
Scissors. P. McCaw. 2,082,502; June 1.
Scraper. A. A. Beran. 2,082,141; June 1.
Screen: *See*—
Window screen.
Screen and manufacture thereof, Half-tone. F. C. Zoller. 2,082,475; June 1.
Screening apparatus. W. Ross. 2,082,302; June 1.
Screw manufacture. J. J. Tomalis. 2,082,085; June 1.
Seal for floating tank roofs. J. H. Wiggins. 2,082,194; June 1.
Sealed container. L. H. Brodrick. 2,082,614; June 1.
Sealing composition, Plastic. B. V. McBride. 2,082,016; June 1.
Sealing mechanism. H. T. Scott. 2,082,722; June 1.
Seat: *See*—
Vehicle seat.
Selective system and apparatus. R. P. Simmons. 2,082,725; June 1.
Separable fastener. E. H. Dau. 2,082,619; June 1.
Separator: *See*—
Centrifugal separator.
Separator for spinning machines, Double ring. A. Heaton. 2,082,450; June 1.
Server for cigarettes or the like. J. R. Davidson. 2,082,442; June 1.
Setting means for automatic meter shut-offs. A. J. Granberg. 2,082,391; June 1.
Setting mechanism for predetermining counters. W. F. Berck. 2,082,375; June 1.
Sewage, Method and apparatus for treatment of. J. D. Walker. 2,082,759; June 1.
Sewing machine. H. J. Le Vesconte. 2,082,738; June 1.
Shaker, Automatic cocktail. P. Pankotan. 2,082,593; June 1.
Shaped bodies, Making sintered. R. Reichmann. 2,082,354; June 1.
Sheet feeding. P. E. Kleinberg. 2,082,064; June 1.
Sheet feeding machine. E. W. and F. R. Belluche. 2,082,239; June 1.
Sheet for manifolding assemblies, Backing. A. M. Heck. 2,082,494; June 1.
Sheet transferring mechanism for printing presses. C. F. Root. 2,081,958; June 1.
Sheets, Method of and apparatus for feeding. E. W. and F. R. Belluche. 2,082,240; June 1.
Shield, Pipe. L. T. Sutherland. 2,082,175; June 1.
Shield, Reenforced pipe. S. P. Miller and L. T. Sutherland. 2,082,174; June 1.
Shingle making machine. J. N. Thomas. 2,082,307; June 1.
Shipping container. S. P. Belsinger. 2,082,677; June 1.
Shock absorber. W. W. Riedel. 2,082,552; June 1.
Shoe drier. M. O. Frost and P. Mattler. 2,082,052; June 1.
Shoe protector. B. J. Cohen. 2,082,482; June 1.
Shoe, Running and like athletic. G. M. Butler. 2,082,537; June 1.
Shoe upper. A. Turiansky. 2,082,309; June 1.
Shoe server. F. L. Wilson. 2,082,088; June 1.
Shoe sole fitting machine. E. W. Stacey. 2,081,961; June 1.
Shorthand writing machine. G. H. C. Vonck. 2,082,370; June 1.
Shovel, Portable. G. A. McClain. 2,082,018; June 1.
Showcase ornamentation. A. Vanderveld. 2,082,668; June 1.
Side bearing. T. H. Williams. 2,082,271; June 1.
Sieve and making the same, Filter. E. Roberts. 2,082,513; June 1.
Sifter, Tobacco. H. T. Widgren. 2,082,039; June 1.
Sign: *See*—
Electric sign.
Signal: *See*—
Irrigation signal.
Signal and brake testing device for motor cars and the like. R. G. Bourdon. 2,082,535; June 1.
Signal device, Electric. H. H. Helmbright. 2,082,629; June 1.
Signal device for taillights, Reflector. H. J. Sauer. 2,082,658; June 1.
Signaling system, Remote. C. P. West and B. S. Burke. 2,082,038; June 1.
Signaling system, Selective. N. D. Newby and D. L. Moody. 2,082,077; June 1.
Silt collector for reservoirs. L. L. Foley. 2,082,694; June 1.
Singletree or doubletree, Metallic. G. E. Powers. 2,082,508; June 1.
Sinker or web holder control. R. H. Lawson and A. N. Clontier. 2,082,642; June 1.
Slicer, Vegetable. R. L. Sell. 2,082,524; June 1.
Slide fastener. P. Reiss. 2,082,355; June 1.
Slider for interlocking fasteners. F. MacWilliams. 2,082,739; June 1.
Small synchronous motor. W. Gebhardt and S. Franck. 2,081,993; June 1.
Smoking device. J. C. Anderson. 2,081,976; June 1.
Socket and slotted screw, Combined. F. K. Brown. 2,082,748; June 1.
Socket, Incandescent lamp. W. C. Tregoning. 2,082,369; June 1.
Soil erosion controlling apparatus. R. Jeoffroy. 2,082,163; June 1.
Sole pressing pad. F. R. Merritt. 2,082,073; June 1.
Sound damping structure. L. S. Perry. 2,081,953; June 1.
Sound transmission and reproduction. L. M. Applegate. 2,081,904; June 1.
Spark destroyer for locomotives. R. W. Anderson. 2,082,237; June 1.

Speed responsive apparatus. J. W. Livingston. 2,082,166; June 1.
Splitting machine. C. E. Hood. 2,082,057; June 1.
Spray drying, Apparatus for. W. S. Bowen. 2,081,909; June 1.
Spring: *See*—
Piston ring spring.
Springing arrangement. K. Rabe. 2,082,509; June 1.
Stairway, Moving. J. Dunlop. 2,081,989; June 1.
Stand: *See*—
Display stand.
Stand for bicycles, Supporting. K. Karpel. 2,082,248; June 1.
Station selector for radio receivers. E. Ebbighausen. 2,082,484; June 1.
Steam generating apparatus. M. H. Kuhner. 2,082,401; June 1.
Steam generator. F. Michel and H. Gleichmann. 2,081,948; June 1.
Steam injector, Exhaust. R. D. and J. C. Metcalfe. 2,082,295; June 1.
Steam valve gear. J. A. Le Cain. 2,082,704; June 1.
Steel for musical instruments. H. C. Carter. 2,082,683; June 1.
Steering wheel. E. W. Sheller. 2,082,221; June 1.
Stencil printing machine. S. L. Mershon. 2,082,115; June 1.
Stocking having picot edge or fashionings, Runproof or run-resistant. H. V. W. Scott. 2,082,360; June 1.
Stomach sickness, especially sea-sickness, Preventing or stopping. A. Pupier. 2,082,468; June 1.
Stool, Milk. F. C. Trautvetter. 2,082,664; June 1.
Strainer, air eliminator, and vacuum breaker, Combined. W. Parker, N. J. Seibert, and F. S. Brooks. 2,082,717; June 1.
Sugar solutions, Purification of. J. S. Reichert and R. B. Elliott. 2,082,656; June 1.
Sulphur dioxide from waste gases, Removing and recovering. H. F. Johnstone. 2,082,006; June 1.
Support: *See*—
Conductor support. Mirror support.
Last support.
Surgical dressing. L. T. Sawyer. 2,082,599; June 1.
Surgical dressing. W. M. Scholl. 2,082,219; June 1.
Sweeper, Carpet. F. W. Pullen. 2,082,652; June 1.
Switch: *See*—
Electric switch. Reverse current switch.
Switch mechanism for control apparatus. O. H. Hunt. 2,082,109; June 1.
Switch operating apparatus, Railway. H. L. Bone. 2,082,142; June 1.
Switch operating apparatus, Railway. L. Wyant. 2,082,133; June 1.
Switching system for railroads, Automatic. N. C. L. Brown and G. M. Seidel. 2,081,900; June 1.
Swivel for removable wire line drills, Rotary. C. H. Lane and C. K. Stillwagon. 2,082,010; June 1.
Table: *See*—
Folding table.
Table and drier combination. M. Capra. 2,082,380; June 1.
Tank: *See*—
Bolted tank.
Tans and producing the same, Synthetic. R. Alles. 2,082,477; June 1.
Tape dispensing package. F. Machate and F. Mason. 2,082,546; June 1.
Tappet, Adjustable. A. Stoll. 2,082,228; June 1.
Target mechanism. B. Radtke and E. Gosswiller. 2,082,218; June 1.
Telegraph system. H. H. Harrison. 2,082,575; June 1.
Telephone equipment, Interior. R. Varley. 2,082,130; June 1.
Telephone system. O. Cesarco. 2,082,097; June 1.
Telephone system. L. E. Ryall. 2,082,357; June 1.
Telephone system, Automatic. H. P. Mahoney. 2,082,586; June 1.
Telephone system for recording and reproducing transmissions. A. W. Schiller. 2,082,303; June 1.
Telephone system, Paystation. F. Appelius. 2,082,561; June 1.
Telepicture system, High speed. W. G. H. Finch. 2,082,692; June 1.
Television system. A. V. Bedford. 2,082,093; June 1.
Television system. H. E. Ives. 2,082,339; June 1.
Tension device for film reel. H. N. Ensign and H. A. Hanson. 2,082,328; June 1.
Testing system. E. S. Gibson, A. A. Hansen, and J. B. Worth. 2,082,104; June 1.
Textile assistant compositions. C. O. Henke and W. H. Lockwood. 2,082,576; June 1.
Textile operation. F. C. Hale and G. C. Tyce. 2,081,997; June 1.
Theftproof plug. A. Lewis. 2,082,068; June 1.
Thread and making same, Rubber. K. R. Shaw. 2,082,744; June 1.
Thread, Method of and machine for producing rubber. K. R. Shaw. 2,082,743; June 1.
Thread protector. D. S. Bowers. 2,082,144; June 1.
Thread tension equalizing device. A. J. Desjardins. 2,082,443; June 1.
Thread winding machine. D. G. Baker. 2,082,609; June 1.
Throttle hook-up. J. Dykstra and A. M. Wanters. 2,082,538; June 1.
Tie or support, Road. R. G. Williams. 2,082,316; June 1.
Tie plate and rail clip, Railway. J. L. Campbell. 2,082,148; June 1.
Tie, Railway. R. J. Wells. 2,081,966; June 1.
Tiling. M. T. Bennett. 2,082,241; June 1.
Tin, Metallurgy of. F. F. Frick. 2,082,487; June 1.
Tire deflation indicator. E. F. Kelley. 2,082,341; June 1.
Tire pressure indicating system, Automobile. H. W. Olsen. 2,082,650; June 1.
Tobacco curer. G. E. Hodgin. 2,082,289; June 1.
Tobacco pipe. R. Hirsch. 2,082,106; June 1.
Tool: *See*—
Article gripping tool. Garden tool.
File and like tool. Roofing tool.
Tool retainer. E. B. Lear. 2,081,937; June 1.
Tooth, Scarifier. J. R. Godfrey. 2,082,283; June 1.
Traffic control. J. C. Buerke. 2,082,479; June 1.
Traffic control system, Centralized. R. M. Phinney. 2,082,740; June 1.
Traffic control system for railroads. R. M. Phinney. 2,082,741; June 1.
Traffic controlling apparatus, Railway. E. M. Allen. 2,082,136; June 1.
Traffic controlling apparatus, Railway. B. E. O'Hagan. 2,082,179; June 1.
Traffic controlling apparatus, Railway. C. S. Snavely. 2,082,428; June 1.
Traffic controlling system for railroads, Centralized. W. D. Hailes. 2,082,333; June 1.
Traffic controlling system for railroads, Centralized. T. J. Judge and C. S. Bushnell. 2,082,544; June 1.
Traffic controlling system for railroads, Centralized. W. T. Powell. 2,082,550; June 1.
Traffic controlling systems for railroads, Centralized. R. M. Phinney. 2,082,742; June 1.
Traffic controlling systems for railroads, Centralized. W. T. Powell. 2,082,180; June 1.
Traffic controlling systems for railroads, Centralized N. D. Preston. 2,082,466; June 1.
Traffic controlling system, Railway. D. W. Mersereau. 2,082,547; June 1.
Trailer, Automobile. A. L. Conkey. 2,082,273; June 1.
Trailer hitch and automatic brake control. L. T. Hughes. 2,082,398; June 1.
Train control system, Automatic. W. D. Hailes. 2,082,542; June 1.
Train dispatching mechanism for railroads. N. D. Preston and O. H. Dicke. 2,082,463; June 1.
Train dispatching system. S. N. Wight. 2,082,436; June 1.
Train dispatching system for railroads. O. H. Dicke and F. B. Hitchcock. 2,082,152; June 1.
Train dispatching system for railroads. N. D. Preston. 2,082,464; June 1.
Train dispatching system for railroads. F. B. Hitchcock and O. H. Dicke. 2,082,162; June 1.
Train dispatching system for railroads. N. D. Preston. 2,082,462; June 1.
Train dispatching system for railroads. N. D. Preston. 2,082,465; June 1.
Trains, Method and means for dispatching. S. N. Wight. 2,082,435; June 1.
Translating apparatus. P. E. Stogoff. 2,082,036; June 1.
Transmission. A. Y. Dodge. 2,082,444; June 1.
Transmission, Combined hand and automatically controlled. G. L. Brown. 2,082,679; June 1.
Transmission, Hydraulic. R. Tyler. 2,082,473; June 1.
Trap and manufacturing same, Glass minnow. E. O. Simpson and A. F. Kraft. 2,082,662; June 1.
Trimmer, Hedge. W. R. Bankson. 2,082,610; June 1.
Trousers construction. W. Shulik. 2,082,469; June 1.
Truck beds, Sliding reach and sleeve for. G. P. Slater. 2,082,663; June 1.
Truck structure, Railway. E. G. Hallquist and J. C. Travilla, Jr. 2,081,998; June 1.
Truing apparatus for lapping machines. H. S. Indge. 2,082,736; June 1.
Tube: *See*—
Cathode ray tube.
Tube coupling and making same. A. A. G. Magis. 2,082,584; June 1.
Tube fitting. S. Karrer. 2,082,164; June 1.
Tube flasher, Discharge. F. and R. R. Gonsett. 2,082,572; June 1.
Tubular structures of artificial materials, Process and apparatus for the manufacture of. G. E. Rutishauser. 2,082,720; June 1.
Tuning indicia, Projecting. J. L. McWeeny. 2,082,234; June 1.
Tuning system, Inductive. W. J. Polydoroff. 2,082,595; June 1.
Turbine arrangement. R. G. Standerwick. 2,082,601; June 1.
Turning attachment. H. W. Rupple. 2,082,516; June 1.
Tuyère. G. Fox and O. R. Rice. 2,082,280; June 1.
Tweezers. T. J. Johnson. 2,082,062; June 1.
Tweezers, Power-operated. F. V. Schleimer. 2,082,263; June 1.
2-methyl-3-hydroxyquinoline-4-carboxylic acids and preparing them. H. Schlicenmaier and L. Schornig. 2,082,358; June 1.

Typewriting machine. E. Z. Lewis. 2,082,069; June 1.
Typographical slug casting machine. C. A. Albrecht. 2,082,531; June 1.
Unloader and spreader. R. H. Williamson. 2,082,673; June 1.
Unloading attachment for hopper bottom railroad cars. E. N. Jeannerette. 2,082,291; June 1.
Valve; *See*—
Flush valve. Motor controlled valve.
Valve. F. H. Cross. 2,082,825; June 1.
Valve. B. F. Randel. 2,081,955; June 1.
Valve. M. F. Richardson. 2,082,512; June 1.
Valve actuating device for can washers. J. M. McClatchie. 2,082,458; June 1.
Valve construction. F. C. Leonard. 2,081,938; June 1.
Valve converting system, Electric. L. R. Ludwig and H. A. Rose. 2,082,015; June 1.
Valve device. C. G. Wall. 2,082,529; June 1.
Valve for pressure regulating and reducing apparatus, Control. G. H. Smith and W. J. Jacobsson. 2,082,223; June 1.
Vapor heating system. T. Theodorsen and W. C. Clay. 2,081,963; June 1.
Valve seat dresser. F. J. Pardieck. 2,082,461; June 1.
Vehicle, Automotive. R. S. Trott. 2,081,965; June 1.
Vehicle brake. G. H. Stoner. 2,082,229; June 1.
Vehicle, Rail. O. Hacker. 2,081,996; June 1.
Vehicle seat. E. W. Miller. 2,082,297; June 1.
Vehicle stabilizer. O. R. Benson. 2,081,978; June 1.
Vehicle structure. H. F. Hanson. 2,082,001; June 1.
Vending machine, Coin controlled. H. S. Benjamin. 2,082,533; June 1.
Ventilating hood for industrial and other purposes, Exhaust. T. C. Angus. 2,082,374; June 1.
Ventilator and windshield heater, Automobile. N. E. and N. E. Knutzen, Jr. 2,082,700; June 1.
Vessel. H. Jenett. 2,082,005; June 1.
Vinylethinyl derivatives and producing same. W. H. Carothers and G. J. Berchet. 2,082,568; June 1.
Vinylethinyl derivatives and preparing same. W. H. Crothers and R. A. Jacobson. 2,082,569; June 1.
Visible container. E. F. Kuehner. 2,082,701; June 1.
Visor construction. C. B. Johnson. 2,082,631–2; June 1.
Visual content indicator. A. Berman. 2,082,320; June 1.
Voltage compensation. W. H. Howe. 2,082,497; June 1.
Voltage regulation and circuits therefor. W. H. Howe. 2,082,496; June 1.
Voltmeter, Tapered scale. M. S. Mead, Jr. 2,082,646; June 1.
Volume control, Distant. L. D. Strong. 2,082,745; June 1.
Vulcanizer, Electric. E. C. Raney. 2,082,551; June 1.
Wall surfaces, Treatment of masonry. W. F. Wells. 2,082,193; June 1.
Washing machine. J. T. Hume. 2,082,108; June 1.
Water gauge. A. L. Parker. 2,082,716; June 1.
Water purifier and filter. A. H. Brundage. 2,082,322; June 1.
Water softening system. D. B. Gauss. 2,082,623; June 1.
Web control mechanism. R. M. Johnstone. 2,082,635; June 1.
Web splicing apparatus. O. C. Roesen. 2,082,420; June 1.
Web splicing device. H. C. Jordhoy. 2,082,400; June 1.
Web splicing device. O. C. Roesen. 2,082,421; June 1.
Webs, Drying coated flexible. P. J. Massey, W. F. Thiele, and B. F. Raprager. 2,081,945; June 1.
Welding, Process and apparatus for fusion. J. L. Anderson. 2,081,897; June 1.
Well head equipment. J. H. Howard. 2,082,107; June 1.
Wellhead equipment. R. A. Mueller and J. R. Yancey. 2,082,413; June 1.
Well packer. L. A. Layne and L. C. Mundt. 2,082,113; June 1.
Well packer mechanism. L. A. Layne. 2,082,111; June 1.
Wheel; *See*—
Dual wheel. Steering wheel.
Recorder print wheel.
Wheel-suspension for vehicles, Individual. B. Ellefsen. 2,082,620; June 1.
Winding mechanism. J. McArthur. 2,082,562; June 1.
Window baffle. E. J. Mason. 2,082,209; June 1.
Window cleaner. W. H. Kling. 2,082,582; June 1.
Window screen, Roll slide. T. Lloyd and P. W. Sylvander. 2,082,407; June 1.
Window structure for vehicles. R. T. Axe. 2,081,896; June 1.
Window support and guiding means. A. H. Häberstumpf. 2,082,541; June 1.
Windshield. H. Howard, Sr. 2,082,771; June 1.
Windshield mechanism, Double. J. Magidson. 2,082,349; June 1.
Windshield wiping motor. R. B. Evans. 2,082,485; June 1.
Wing assembly, Floating. A. M. Young. 2,082,674; June 1.
Wood joint. E. I. Tripp. 2,082,431; June 1.
Wrapper for confections. E. M. Walker. 2,082,671; June 1.
Wrappers, Apparatus and method for making and delivering. C. Littlefield. 2,082,114; June 1.
Wrench; *See*—
Ratchet wrench.
Wringer. J. L. Perkins. 2,082,217; June 1.
Wringer roll control mechanism. B. E. Getz. 2,082,387; June 1.
Zero-setting device. R. E. Handford. 2,082,749; June 1.

CLASSIFICATION OF PATENTS

ISSUED JUNE 1, 1937

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U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adcaster Service, Inc., Chicago, Ill. Stereopticon machines. Serial No. 388,629; June 8. Class 26.

Adlanco X-Ray Corporation, New York, N. Y. Radiographic X-ray device. Serial No. 389,296; June 8. Class 26.

Aktieselskap John Braadland Ltd., Stavanger, Norway. Canned fish. Serial No. 384,731; June 8. Class 46.

Alian Engineering Company, Incorporated, Dallas, Tex. Heat insulation material for buildings. Serial No. 388,746; June 8. Class 12.

American Maize-Products Company, New York, N. Y. Syrup used in the preparation of malt beverages. Serial No. 391,795; June 8. Class 48.

American Salt Corporation, Chicago, Ill. Stock salt. Serial No. 390,828; June 8. Class 46.

American Stores Company, Philadelphia, Pa. Oleomargarine. Serial No. 381,519; June 8. Class 46.

Armstrong Cork Products Company, Lancaster, Pa. Gaskets and washers. Serial No. 385,128; June 8. Class 35.

Arnold Milling Co., The, Sterling, Kans. Wheat flour, cereal breakfast food, graham flour, etc. Serial No. 387,810; June 8. Class 46.

Artype Dental Company, Harrisburg, Pa. Artificial teeth. Serial No. 390,721; June 8. Class 44.

Ashland Refining Company, Ashland, Ky. Gasoline and lubricating oils. Serial No. 388,475; June 8. Class 15.

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Wines. Serial No. 391,369; June 8. Class 47.

Auto-Gram Manufacturing Co. Inc., New York, N. Y. Fabric emblems. Serial No. 390,258; June 8. Class 40.

Ayerst, McKenna & Harrison (United States) Limited, Rouses Point, N. Y. Sterile solution of anterior hypophyseal factors. Serial No. 391,003; June 8. Class 6.

Bamberger, L., & Co., Newark, N. J. Hats, gym suits, gloves, etc. Serial No. 390,304; June 8. Class 39.

Barrell, William L., Company, Inc., New York, N. Y. Waterproofed cotton fabrics in the piece. Serial No. 386,926; June 8. Class 50.

Baumring & Witkoff, New York, N. Y. Hosiery. Serial No. 391,798; June 8. Class 39.

Beacon Stoker Company, Inc., Beacon, N. Y. Automatic stokers and parts thereof. Serial No. 390,986; June 8. Class 34.

Beautee-Fit Company, Inc., Los Angeles, Calif. Brassières, foundation garments, girdles, etc. Serial No. 390,948; June 8. Class 39.

Bloecher, John, doing business as Nok Nok Manufacturing Co., Baltimore, Md. Preparation for the treatment of fever-blisters and pimples. Serial No. 389,866; June 8. Class 6.

Borgen, C., Packing Co., Aktieselskap, The, Stavanger, Norway. Canned fish. Serial No. 384,734; June 8. Class 46.

Bradley, Milton, Company, Springfield, Mass. Board game. Serial No. 392,079; June 8. Class 22.

Bridgeport Brass Company, Bridgeport, Conn. Periodicals, books, booklets, etc. Serial No. 390,441; June 8. Class 38.

Briggs Lemon Association, Santa Paula, Calif. Fresh citrus fruit. Serial No. 391,458; June 8. Class 46.

Brod, Louis, doing business as Magnet Paint and Shellac Company, Brooklyn, N. Y. Paints and prepared shellac. Serial No. 385,248; June 8. Class 16.

Browne, George C., Elmira, N. Y. Peanut butter. Serial No. 391,201; June 8. Class 46.

Burbank Craft Shop. (See Myer, Mary W.)

Burnett, Charles M., Jr., doing business as Tecol Company, San Francisco, Calif. Specially processed oil. Serial No. 390,582; June 8. Class 6.

Butler Brothers, Chicago, Ill. Gloves, and anklets, night gowns, etc. Serial No. 388,257; June 8. Class 39.

Calavo Growers of California, Los Angeles, Calif. Avocado oil. Serial No. 389,775; June 8. Class 6.

Callis and Hammond, Inc., Baltimore, Md. Whiskey. Serial No. 392,193; June 8. Class 49.

Carr, Lyman W., Fostoria, Ohio. Coating effecting polishes. Serial No. 388,828; June 8. Class 16.

Carter Coal & Dock Corporation, New York, N. Y. Coke and semi-bituminous coal. Serial No. 386,578; June 8. Class 1.

Cavendish Trading Corporation, New York, N. Y. Waxes. Serial No. 391,686; June 8. Class 16.

Central Commercial Company, Chicago, Ill. Crushed slate, slate granules, roofing grit, etc. Serial No. 390,584; June 8. Class 12.

Chemical Industries Corporation, Indianapolis, Ind. Benasprin capsules, calphenasprin, hexaphenyl compound, etc. Serial No. 390,626; June 8. Class 6.

Chem-"X" Laboratories. (See Primost, Isidore.)

Chernin, William H., doing business as Chernin's, Maple Shade, N. J. Hosiery. Serial No. 390,413; June 8. Class 39.

Cleveland Pneumatic Tool Company, The, Cleveland, Ohio. Air springs for vehicles, yielding struts for landing gears of airplanes and hydroplanes. Serial No. 391,376; June 8. Class 19.

Club Aluminum Products Co., Chicago, Ill. Aluminum domestic cooking hollow ware. Serial No. 390,837; June 8. Class 13.

Cochran, Jacqueline, doing business as KomliKit, Roselle, N. J. Kit or package containing cosmetics and beauty preparations. Serial No. 390,309; June 8. Class 6.

Coffee Electrost Corporation, Chicago, Ill. Coffee containers. Serial No. 387,496; June 8. Class 2.

Cohn & Rosenberger, Inc., New York, N. Y. Necklaces and bracelets, finger rings, etc. Serial No. 390,161; June 8. Class 28.

Cole Chemical Company, Wilmington, Del., and St. Louis, Mo. Pharmaceutical preparation. Serial No. 391,052; June 8. Class 6.

Cole Chemical Company, Wilmington, Del., and St. Louis, Mo. Pharmaceutical preparation. Serial Nos. 391,055–7; June 8. Class 6.

Comolite Corporation, Long Island City, N. Y. Pipes. Serial No. 390,991; June 8. Class 8.

Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies Etablissements Kuhlmann, Paris, France. Chemical dyestuffs. Serial Nos. 382,349–51; June 8. Class 6.

Continental Briar Pipe Co. Inc., Brooklyn, N. Y. Pipes. Serial No. 391,310; June 8. Class 8.

Cook, Lucius P., doing business as L. P. Cook, Memphis, Tenn. Seed oats. Serial No. 390,265; June 8. Class 1.

Cooke, Robert W., doing business as Cooke Laboratory Products, Sepulveda, Calif. Poultry medicine. Serial No. 390,630; June 8. Class 6.

Copper Range Company, Painesdale, Mich. Copper rivets. Serial No. 390,905; June 8. Class 13.

Cortland Line Company, Inc., Cortland, N. Y. Fish lines and tennis rackets. 387,966; June 8. Class 22.

Corzen Company, The. (See Creevy, Ima C.)

Creevy, Ima C., doing business as The Corzon Company, Chicago, Ill. Medicinal preparation. 387,314; June 8. Class 6.

Crystal Silk Underwear Co., New York, N. Y. Hosiery, underwear, ladies' nightgowns, etc. 390,201; June 8. Class 39.

Dagger Incorporated, Atlanta, Ga. Neckties. 389,977; June 8. Class 39.

Del Monte-Hickey Company, Inc., New York, N. Y. Ladies' coats. 390,724; June 8. Class 39.

De-Raef Corporation, Kansas City, Mo. Mixture which is used primarily as an acid standardizer in processing milk, etc. 383,723; June 8. Class 6.

Dermetics, Inc., Seattle, Wash. Toilet preparations. 390,993–4; June 8. Class 6.

Devalcourt, T. B., Sunset, La. Fresh sweet potatoes. Serial No. 390,841; June 8. Class 46.

Dewey and Almy Chemical Company, Cambridge, Mass. Buckets, pails, and similar containers. Serial No. 378,779; June 8. Class 2.

Diamond Spring Brewery, Inc., Lawrence, Mass. Ale and malt beverages. Serial No. 391,803; June 8. Class 48.

Double A Products Company, Inc., Ann Arbor, Mich. Lathes, face plates, power hack saws, etc. Serial No. 386,986; June 8. Class 23.

Drycor Felt Company, Belleville, N. J. Felts. Serial No. 390,995; June 8. Class 50.

Dube Undergarment Company, New York, N. Y. Slips and night gowns. Serial No. 381,801; June 8. Class 39.

Dutchess Underwear Co., New York, N. Y. Chemises, negligees, slips, etc. Serial No. 390,055; June 8. Class 39.

E. A. Laboratories, Inc., Brooklyn, N. Y. Vehicle heaters and parts thereof. Serial No. 386,153; June 8. Class 19.

Edwards, David J., Hollywood, Calif. Board game. Serial No. 392,093; June 8. Class 22.

Elkay Manufacturing Corporation, New York, N. Y. Non-shooting guns. Serial No. 391,020; June 8. Class 9.

Ellicott, C. Ellis, Jr., Baltimore, Md. Speed indicating logs. Serial No. 389,603; June 8. Class 26.

Engel, E. G., Danzig, Free City of Danzig. Cordials and liqueurs. Serial No. 385,112; June 8. Class 49.

Enrey Publishing Corporation, New York, N. Y. Magazine. Serial No. 390,546; June 8. Class 38.

Ex-Cell-O Aircraft & Tool Corporation, Detroit, Mich. Internal grinding spindles, diamond boring machines, Diesel fuel pump parts, etc. Serial No. 390,057; June 8. Class 23.

Fairbanks, Morse & Co., Chicago, Ill. Radio speaker attachments. Serial No. 381,066; June 8. Class 21.

Fairbanks, Morse & Co., Chicago, Ill. Radio receivers. Serial No. 381,067; June 8. Class 21.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Famous Distributing Corporation, New York, N. Y. Rye whiskey, bourbon whiskey, gin, etc. Serial No. 390,163; June 8. Class 49.

Fear, Ralph G., Los Angeles, Calif. Medical compound. Serial No. 390,616; June 8. Class 6.

Flintkote Company, The, New York, N. Y. Bituminous emulsion compounds. Serial No. 390,513; June 8. Class 12.

Fortune Company, The, Chicago, Ill. Spaghetti and macaroni. Serial No. 369,349; June 8. Class 46.

Gardoni, Ernest G., doing business as Vitalic Manufacturing Co., New York, N. Y. Hair waving preparation. Serial No. 378,196; June 8. Class 6.

General Chemical Company. (See Mechling Brothers Chemical Company, assignor.)

General Mills, Inc., Minneapolis, Minn. Flour. Serial No. 390,785; June 8. Class 46.

Glidden Company, The, Cleveland, Ohio. Varnish enamel. Serial No. 392,027; June 8. Class 16.

Graham, Harold, New York, N. Y. Sanitary belts. Serial No. 390,021; June 8. Class 44.

Greenberg & Tarnoff, Inc., New York, N. Y. Fur skins. Serial No. 391,180; June 8. Class 1.

Gruen Watch Company, The, Cincinnati and Time Hill, Cincinnati, Ohio. Watch cases, watches, and watch movements. Serial No. 386,648; June 8. Class 27.

Gulf States Steel Company, Birmingham, Ala., assignor to Republic Steel Corporation, Cleveland, Ohio. Metallic shingles. Serial No. 383,736; June 8. Class 12.

Hammond Clock Company, The, Chicago, Ill. Electric clocks. Serial No. 391,529; June 8. Class 27.

Hammond Paint & Chemical Co., Beacon, N. Y. Insecticides. Serial No. 390,916; June 8. Class 6.

Hay, R. M., Company, The, Stamford, Conn. Pharmaceutical product for hardening the skin. Serial No. 388,060; June 8. Class 6.

Hearst Publications, Incorporated, Los Angeles, Calif. Title or news column caption. Serial No. 391,199; June 8. Class 38.

Hills, McLean & Haskins, Inc., Binghamton, N. Y. Suits, overcoats, shirts, etc. Serial No. 390,066; June 8. Class 39.

Hoff, Edward J., Co., The, Cincinnati, Ohio. Adjusters for Venetian blinds. Serial No. 390,367; June 8. Class 32.

Hoffman Brothers Company, The, Baltimore, Md. Pamphlets, guide books, folders, etc. Serial No. 381,987; June 8. Class 38.

Hoover Company, The, North Canton, Ohio. Electric suction cleaners. Serial No. 385,380; June 8. Class 21.

Horwitz Bag Co., Chicago, Ill. Burlap bags with handles sewed therein. Serial No. 385,552; June 8. Class 2.

Hudnut, Richard, New York, N. Y. Perfume, eau de cologne, and toilet water. Serial No. 390,788; June 8. Class 6.

Illinois Farm Supply Company, Chicago, Ill. House paint primers. Serial No. 391,866; June 8. Class 16.

Insul-Wool Insulation Corporation, Wichita, Kans. Thermal insulating material. Serial No. 388,984; June 8. Class 12.

International Cellucotton Products Company, Chicago, Ill. Sanitary baby diapers. Serial No. 391,069; June 8. Class 44.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. Serial No. 391,182; June 8. Class 34.

Isaac Wed Ling Wwe & Eydam Direk Hekker Branntwein & Liqueur-Fabr., genannt der Lachs Gegründet Anno 1598, Danzig, Free City of Danzig. Cordials and liqueurs. Serial No. 385,100; June 8. Class 49.

Izzard Company, The, Seattle, Wash. Dehydrated fruit product. Serial Nos. 388,777–8; June 8. Class 46.

Johanson, Eric W., St. Charles, Ill. Golf practicing devices. Serial No. 391,326; June 8. Class 22.

Kasko Distillers Products Corp., Philadelphia, Pa. Whiskey. Serial Nos. 392,151–2; June 8. Class 49.

Kavakos, John K., Brooklyn, N. Y. Electrical push buttons, bells, signals, etc. Serial No. 390,521; June 8. Class 21.

King Features Syndicate, Inc., New York, N. Y. Newspaper section. Serial No. 390,791; June 8. Class 38.

KomliKit. (See Cochran, Jacqueline.)

La Mode Garment Co., Chicago, Ill. Bloomers, pajamas, slips, etc. Serial No. 391,007; June 8. Class 39.

Layton & Company Inc., Dover, Del. Canned vegetables. Serial No. 389,361; June 8. Class 46.

Legof Mfg. Co., Dallas, Tex. Boys' suits and pants. Serial No. 390,458; June 8. Class 43.

Lennon Wall Paper Company, Joliet, Ill. Wallpapers. Serial No. 389,212; June 8. Class 37.

Lentheric, Incorporated, New York, N. Y. Preparations for protecting and conditioning the skin. Serial No. 390,701; June 8. Class 6.

Lilienthal, Felix, & Co., Inc., New York, N. Y. Electric irons. Serial No. 389,833; June 8. Class 21.

Limpert Bros. Inc., Vineland, N. J. Chocolate flavored syrup for making soft drinks. Serial No. 384,295; June 8. Class 45.

Lock, John E., Milwaukee, Wis. Leather shoes. Serial No. 391,079; June 8. Class 39.

Loewus, G., & Co., Inc., Newark, N. J. Wines. Serial No. 391,235; June 8. Class 47.

Magnet Paint and Shellac Company. (See Brod, Louis.)

Mayers, David, doing business as L. Mayers & Son, Baltimore, Md. Belts, suspenders, and neckties. Serial No. 389,336; June 8. Class 39.

McLaurin-Jones Co., Brookfield, Mass. Label stock. Serial No. 388,328; June 8. Class 37.

Mechling Brothers Chemical Company, assignor to General Chemical Company, Camden, N. J. Spray compound. Serial No. 389,523; June 8. Class 6.

Meiman, Charles, Brooklyn, N. Y. Animal medicinal preparations. Serial No. 375,553; June 8. Class 6.

Milgrim Manufacturing Co., Philadelphia, Pa. Women's pajamas and night gowns. Serial No. 390,859; June 8. Class 39.

Minneapolis Knitting Works, Minneapolis, Minn. Pajamas and children's underwear. Serial No. 388,953; June 8. Class 39.

Monpeurt, Georges, Paris, France. Glass tubes and rods. Serial No. 372,647; June 8. Class 33.

Morgan, John, Inc., Brooklyn, N. Y. Whisky, gin, alcoholic cordials, etc. Serial No. 376,858; June 8. Class 49.

Mutch, Charles M., Toronto, Canada. Dentifrice. Serial No. 389,615; June 8. Class 6.

Myer, Mary W., doing business as Burbank Craft Shop, Burbank, Calif. Hand and face creams and pastes. Serial No. 388,954; June 8. Class 6.

Newman, L., & Sons, Inc., New Haven, Conn., and New York, N. Y. Corsets, brassières, and other foundation garments. Serial No. 390,230; June 8. Class 39.

Nok Nok Manufacturing Co. (See Bloecher, John.)

O & F. Co., Burlington, N. C. Medicinal preparation for colds. Serial No. 387,482; June 8. Class 6.

Omaha Cold Storage Co., Omaha, Nebr. Dressed poultry. Serial No. 387,676; June 8. Class 46.

Ostrin, S. & H., Co., Incorporated, New York, N. Y. Watch cases, watches and parts thereof. Serial No. 392,047; June 8. Class 27.

Overell, R. E., doing business as Take-X Treatment Co., Los Angeles, Calif. Combination of vitamin and laxative tablets. Serial No. 390,936; June 8. Class 6.

Paparelli, Alberto J., San Antonio, Tex. General medicinal tonic. Serial No. 384,814; June 8. Class 6.

Park Laboratory Company, Inc., San Antonio, Tex. Medicinal preparation. Serial No. 391,011; June 8. Class 6.

Paul, Hiram, Clothing Co., Inc., Oklahoma City, Okla. Coats, vests, pants, etc. Serial No. 390,183; June 8. Class 39.

Peerless Co. Inc. (Pawtucket), The, Pawtucket, R. I. Women's and misses' coats and suits. Serial No. 391,394; June 8. Class 39.

Peerless Paint & Chemical Corporation, Pittsburgh, Pa. Paint, paint enamel and varnishes. Serial No. 390,024; June 8. Class 16.

Peerless Sporting Goods Co. (See Silverman, Abraham J.)

Pennsylvania Refining Company, Butler, Pa. Deodorized kerosene. Serial No. 388,279; June 8. Class 15.

Petratone, Incorporated, Atlantic Highlands, N. J. Stone for construction material. Serial No. 390,467; June 8. Class 12.

Polish National Union of America, Scranton, Pa. Newspaper printed weekly. Serial No. 391,259; June 8. Class 38.

Popcorn Growers and Distributors, Inc., Wall Lake, Iowa. Pop corn in its natural state. Serial No. 383,940; June 8. Class 46.

Primost, Isidore, doing business as Chem-"X" Research Laboratories, Elmhurst, N. Y. Soot destroyers, boiler scale removers, water cleaning compounds, etc. Serial No. 389,966; June 8. Class 6.

Prophylactic Brush Company, Northampton, Mass. Tooth brushes. Serial No. 391,926; June 8. Class 29.

Publicité Franco-Américaine, Paris, France. Product in the form of pills. Serial No. 388,070; June 8. Class 6.

Quillen Bros. Refrigerator Co., Indianapolis, Ind. Vegetable display refrigerated cabinet. Serial No. 391,825; June 8. Class 31.

Quisenberry Feed Products Co., Kansas City, Mo. Dog food. Serial No. 390,864; June 8. Class 46.

Republic Steel Corporation. (See Gulf States Steel Company, assignor.)

Rinehart, Harvey E., doing business as Utility Electric and Machine Works, Wheeler, Oreg. Rod reels for fishing and fishing reels. Serial No. 391,711; June 8. Class 22.

Roush, S. M., doing business as Western Olive Company, Corning, Calif. Canned olives. Serial No. 389,887; June 8. Class 46.

Royalknit Glove Corporation, Johnstown, N. Y. Gloves, glove linings. Serial No. 385,645; June 8. Class 39.

Rubinstein, Helena, Inc., New York, N. Y. Lipsticks, rouges, and nail polish. Serial No. 389,642; June 8. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Ryerson Importers, Detroit, Mich. Booklet or pamphlet covering instructions for knitting. Serial No. 388,516; June 8. Class 38.

Samstag, Louis A., New York, N. Y. Jewelry. Serial No. 390,241; June 8. Class 28.

Schaefer, F. & M., Brewing Co., The, Brooklyn, N. Y. Beer. Serial No. 391,662; June 8. Class 48.

Schutter Candy Company, Chicago, Ill. Candy. Serial No. 390,672; June 8. Class 46.

Schwarzenbach Huber Co., The, New York, N. Y. Piece goods. Serial No. 391,349; June 8. Class 42.

Schweitzer, Louis, Baltimore, Md. Safety-razor blades. Serial No. 390,026; June 8. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Children's wagons. Serial No. 390,028; June 8. Class 22.

Sears, Roebuck and Co., Chicago, Ill. Overalls. Serial No. 391,350; June 8. Class 39.

Silverman, Abraham J., doing business as Peerless Sporting Goods Co., New York, N. Y. Golf clubs, baseball bats, hockey sticks, and tennis rackets. Serial No. 381,584; June 8. Class 22.

Sioux City Seed Company, Sioux City, Iowa. Corn seeds. Serial Nos. 383,955–6; June 8. Class 1.

Sioux City Seed Company, Sioux City, Iowa. Garden, field and grass seeds. Serial No. 383,957; June 8. Class 1.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wicks. Serial No. 388,466; June 8. Class 34.

Sparks-Withington Company, The, Jackson, Mich. Refrigerator units. Serial No. 391,493; June 8. Class 31.

Squibb, E. R., & Sons, New York, N. Y. Analgesic and alkalizing preparations. Serial No. 390,186; June 8. Class 6.

Standard Bottling Co., The, Denver, Colo. Beverages, and syrups, extracts, and flavors used in making the same. Serial No. 391,355; June 8. Class 45.

Standard Distillers Products, Inc., Baltimore, Md. Whiskey, gin, rum, etc. Serial Nos. 391,593–5; June 8. Class 49.

Standard Oil Company of New Jersey, Wilmington, Del. Paraffin wax. Serial No. 390,566; June 8. Class 15.

Standard Oil Company of New Jersey, Wilmington, Del. Hydrocarbon gases. Serial No. 390,872; June 8. Class 6.

Standard Toykraft Products, Inc., Brooklyn, N. Y. Toy weaving outfits for children's use. Serial No. 390,715; June 8. Class 22.

Stove Mounters' International Union, St. Louis, Mo. Printed books, pamphlets, magazines, etc. Serial No. 387,094; June 8. Class 38.

Strouss-Hirshberg Company, The, Youngstown, Ohio. Shoes. Serial No. 390,717; June 8. Class 39.

Superplast Corporation, New Brunswick, N. J. Non-metallic clips or slides for slide fasteners. Serial No. 391,097; June 8. Class 13.

Sweatercraft, Inc., New York, N. Y. Sweaters, dresses and knitted two-piece suits. Serial No. 390,535; June 8. Class 39.

Take-X Treatment Co. (See Overell, R. E.)

Taylor, Madeleine B., Brooklyn, N. Y. Deodorants. Serial No. 388,485; June 8. Class 6.

Tecol Company. (See Burnett, Charles M., Jr.)

Tepper Bros., Plainfield, N. J. Shirts, pajamas, hats, etc. Serial No. 389,945; June 8. Class 39.

Thomas, C., Stores Sales System, Inc., Minneapolis, Minn. Flour. Serial No. 390,823; June 8. Class 46.

Thomas & Marcus Inc., New York, N. Y. Slips. Serial No. 389,576; June 8. Class 39.

Timken Roller Bearing Company, The, Canton, Ohio. Steel in all forms. Serial Nos. 389,890–1; June 8. Class 14.

Tower, A. J., Company, Boston, Mass. Waterproof piece goods. Serial No. 390,334; June 8. Class 50.

Tulitikku Oy., Helsinki, Finland. Safety matches. Serial No. 390,942; June 8. Class 9.

Turner & Newall Limited, Roachdale, England. Magnesium carbonates and calcined magnesium oxides. Serial No. 378,533; June 8. Class 6.

Ullstein Aktiengesellschaft, Berlin, Germany. Card games and games played on a board, toys, dolls. Serial No. 384,057; June 8. Class 22.

Ullstein Aktiengesellschaft, Berlin, Germany. Card games and games played on a board, toys such as dolls and all kinds of mechanical toys. Serial No. 384,059; June 8. Class 22.

Universal Fountain Brush Co. (See Wright, Milton B.)

Utility Electric and Machine Works. (See Rinehart, Harvey E.)

Varady, Armin, Incorporated, Chicago, Ill. Lip stick and rouge. Serial No. 390,886; June 8. Class 6.

Vaughn, Sewall B., Boston, Mass. Golf balls. Serial No. 391,930; June 8. Class 22.

Vitalic Manufacturing Co. (See Gardoni, Ernest G.)

Walker, Edith, Los Angeles, Calif. Handkerchiefs. Serial No. 390,102; June 8. Class 39.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. Serial Nos. 392,115–7; June 8. Class 49.

Walla Walla Canning Company, Walla Walla, Wash. Canned vegetables. Serial No. 391,098; June 8. Class 46.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Glassware. Serial No. 391,407; June 8. Class 33.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Chinaware. Serial No. 391,408; June 8. Class 30.

Weber & Heilbroner, Inc., New York, N. Y. Hats, caps, overcoats, etc. Serial No. 389,108; June 8. Class 39.

Welded Products Co., Inc., Bell, Calif. Pressed steel fabricated parts and equipment. Serial No. 381,505; June 8. Class 14.

Weller, J., Company, The, Oak Harbor, Ohio. Catsup, tomato puree, pickles, etc. Serial No. 381,596; June 8. Class 46.

Western Grain Company, Birmingham, Ala. Horse and mule feed, cow feed, laying mash, etc. Serial No. 389,955; June 8. Class 46.

Western Olive Company. (See Roush, S. M.)

White, J. J., Manfg. Co., Providence, R. I. Jewelry. Serial No. 390,720; June 8. Class 28.

Wilkins Gloves, Inc., Mayfield, N. Y. Gloves. Serial No. 389,954; June 8. Class 39.

Woodford County Distillery Co., St. Louis, Mo., and Midway, Ky. Whiskey. Serial No. 392,176; June 8. Class 49.

Wright, Milton B., doing business as Universal Fountain Brush Co., St. Petersburg, Fla. Free hand fountain marking brushes. Serial No. 386,229; June 8. Class 29.

Wyeth, John, and Brother, Incorporated, Philadelphia, Pa. Medicinal products. Serial No. 390,681; June 8. Class 6.

Zeese-Wilkinson Co., Inc., Long Island City, N. Y. Gravure prints made from plates. Serial No. 372,450; June 8. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Syrup for use as a sedative and expectorant in coughs due to colds. 346,822; June 8; Serial No. 387,649; published Mar. 16, 1937. Class 6.

Admiration Products Co. (See Levine, Louis.)

Affiliated Enterprises, Inc., Denver, Colo. Watermarked printing paper. 346,780; June 8; Serial No. 386,923; published Mar. 30, 1937. Class 37.

Agfa Ansco Corporation, Binghamton, N. Y. Photographic cameras. 346,775; June 8; Serial No. 386,838; published Mar. 30, 1937. Class 26.

American Aniline Products, Inc., New York, N. Y. Dyestuffs. 346,724; June 8; Serial No. 382,416; published Oct. 27, 1936. Class 6.

American Foundry Equipment Company, The, Mishawaka, Ind. Machinery and equipment for ventilating and dust collecting and controlling units. 346,886; June 8. Class 34.

American-National Company, The, Toledo, Ohio. Sleds. 346,739; June 8; Serial No. 384,780; published Mar. 30, 1937. Class 22.

Anchor Manufacturing Co., Boston, Mass. Electrical wiring devices. 346,823; June 8; Serial No. 387,650; published Mar. 30, 1937. Class 21.

Anderman-Bob Burns, Inc., New York, N. Y. Dresses. 346,869; June 8; Serial No. 388,427; published Mar. 30, 1937. Class 39.

Antoine de Paris, Inc., New York, N. Y. Skin cream, lipstick, and lipstick refills. 346,748; June 8; Serial No. 385,719; published Mar. 23, 1937. Class 6.

Armitage, George, Limited. (See Illingworth, Thomas, assignor.)

Atlas Brewing Company, Chicago, Ill. Beer. 346,720; June 8; Serial No. 381,749; published Mar. 2, 1937. Class 48.

Atlas Powder Company, Wilmington, Del. Explosives. 346,880; June 8; Serial No. 388,750; published Mar. 30, 1937. Class 9.

Atlas Supply Company, Newark, N. J. Hydraulic brake fluid. 346,800; June 8; Serial No. 387,449; published Mar. 16, 1937. Class 6.

Atwater, Karl W., Pittsburgh, Pa. Non-metallic machinery bearings. 346,754; June 8; Serial No. 386,008; published Mar. 30, 1937. Class 23.

Barber, Cecil, Peters, Fla. Fresh vegetables. 346,902; June 8. Class 46.

Barrell, William L., Company, Inc., New York, N. Y. Cotton fabrics dyed and waterproofed for sport and outdoor clothing purposes. 346,781; June 8; Serial No. 386,928; published Mar. 30, 1937. Class 50.

Beacon Looms, Inc., New York, N. Y. Window curtains. 346,838; June 8; Serial No. 387,814; published Mar. 30, 1937. Class 42.

Beaumont Laboratories. (See Grove Laboratories, Inc., The.)
Benaco Products Company, Chicago, Ill. Razor blades. 346,792; June 8; Serial No. 387,264; published Mar. 30, 1937. Class 23.
Benaris. (See Bernardi, Giacomo.)
Bernardi, Giacomo, doing business as Benaris, Cleveland, Ohio. Drugs, medicines, and pharmaceutical preparations. 346,765; June 8; Serial No. 386,477; published Mar. 16, 1937. Class 6.
Bilhuber, E., Inc., Jersey City, N. J. Medicinal compound. 346,729; June 8; Serial No. 383,383; published Mar. 16, 1937. Class 6.
Blockson Chemical Co., Joliet, Ill. Mono calcium phosphate. 346,762; June 8; Serial No. 386,303; published Mar. 16, 1937. Class 6.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Mohair and pile fabrics. 346,712; June 8; Serial No. 379,181; published Mar. 30, 1937. Class 42.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 346,719; June 8; Serial No. 381,353; published Mar. 30, 1937. Class 42.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 346,858; June 8; Serial No. 388,303; published Mar. 30, 1937. Class 42.
Bonat, Samuel, & Bro., New York, N. Y. Hair waving solution, hair rinse, hair tonic, and hair shampoo. 346,836; June 8; Serial No. 387,776; published Mar. 16, 1937. Class 6.
Bon-Pier Company, Canton, Ohio. Dog and animal repellent. 346,711; June 8; Serial No. 378,689; published Mar. 16, 1937. Class 6.
Bonzene Manufacturing Co., Bessemer, Mich. Ointment. 346,793; June 8; Serial No. 387,311; published Mar. 30, 1937. Class 6.
Borden Company, The, New York, N. Y., and Chicago, Ill. Frozen cholocate fudge. 346,803; June 8; Serial No. 387,491; published Mar. 30, 1937. Class 46.
Borgfeldt, George, & Co., New York, N. Y., assignor, by mesne assignments, to P. P. Mülhens, doing business as Eau de Cologne- Pärfumerie-Fabrik "Glockengasse No. 4711" gegenüber Pferdepost von Ferd. Mülhens, Cologne, Germany. Chemical and pharmaceutical preparations. 117,288; renewed July 3, 1937.
Boricua Medicine Company. (See Caligas, Antonio.)
Botany Worsted Mills, Passaic, N. J. Woolen piece goods. 346,900; June 8. Class 42.
Bourjois, Inc., New York, N. Y. Perfume. 346,804; June 8; Serial No. 387,492; published Mar. 16, 1937. Class 6.
Boyd, Harry W., Slippery Rock, Pa. Medicinal preparation. 346,756; June 8; Serial No. 386,096; published Mar. 16, 1937. Class 6.
Brooks Brothers, New York, N. Y. Collars. 346,896; June 8. Class 39.
Bullock's, Inc., Los Angeles, Calif. Upholstered sofas, chairs, and love seats. 346,829; June 8; Serial No. 387,734; published Mar. 30, 1937. Class 32.
Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Medicinal preparation. 346,786; June 8; Serial No. 387,022; published Mar. 23, 1937. Class 6.
Caligas, Antonio, doing business as Boricua Medicine Company, New York, N. Y. Bay rum. 346,818; June 8; Serial No. 387,619; published Mar. 16, 1937. Class 6.
Calcinite Chemicals, Inc., Yonkers and New York, N. Y. Chemicals or chemical preparations for the elimination of rust and scale. 346,766; June 8; Serial No. 386,563; published Mar. 23, 1937. Class 6.
Capewell Manufacturing Company, The, Hartford, Conn. Horse nails. 346,830; June 8; Serial No. 387,739; published Mar. 30, 1937. Class 13.
Carson Pirie Scott & Company, Chicago, Ill. Rayon piece goods. 346,862; June 8; Serial No. 388,344; published Mar. 30, 1937. Class 42.
Carter Drug Company, Carlisle, Pa. Ointment. 346,801; June 8; Serial No. 387,451; published Mar. 23, 1937. Class 6.
Celanese Corporation of America, New York, N. Y. Dyestuffs. 346,723; June 8; Serial No. 382,339; published Oct. 27, 1936. Class 6.
Centennial Flouring Mills Co. (See Wenatchee Milling Co., assignor.)
Chamberlain, Thomas D., doing business as T. D. Chamberlain Chemical Co., Scranton, Pa. Varnish, paint remover, wood filler, etc. 346,725; June 8; Serial No. 382,862; published Mar. 30, 1937. Class 16.
Chamberlaine, Joseph E. M., St. Michaels, Md. Artificial bait, trolling bait, casting bait. 346,898; June 8. Class 22.
Chappel Bros., Inc., Rockford, Ill. Medicinal compound. 346,808; June 8; Serial No. 387,538; published Mar. 16, 1937. Class 6.
Chase, L. C., & Company, Boston, Mass., assignor to Sanford Mills, Sanford, Maine. Blankets, sheets, dusters, etc., for horses, cows, and other animals. 119,041; renewed Oct. 23, 1937.
Cheney Chemical Company, The, Cleveland, Ohio. Nontobacco, cigarette substitutes and cellulosic casings for non-tobacco fillings. 346,745; June 8; Serial No. 385,249; published Mar. 30, 1937. Class 8.
Chesterton, A. W., Company, Boston, Mass. Boiler-tube cleaners or scrapers. 346,859; June 8; Serial No. 388,307; published Mar. 30, 1937. Class 23.
Chicago Pharmacal Co., Chicago, Ill. Liquid preparation for the treatment of earache. 346,824; June 8; Serial No. 387,656; published Mar. 30, 1937. Class 6.
Chilean Nitrate Sales Corporation, New York, N. Y. Nitrate of soda. 346,839; June 8; Serial No. 387,818; published Mar. 16, 1937. Class 6.
Chinard Cosmetics, Los Angeles, Calif. Face powder, lipstick, nourishing cream, etc. 346,704; June 8; Serial No. 373,998; published Mar. 31, 1936. Class 6.
Chopak Textile Co. Inc., New York, N. Y. Plain and printed rayon and acetate cloth. 346,863; June 8; Serial No. 388,346; published Mar. 30, 1937. Class 42.
Congoleum-Nairn Inc., Kearny, N. J. Linoleum. 346,860; June 8; Serial No. 388,312; published Mar. 30, 1937. Class 20.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 346,850; June 8; Serial No. 388,048; published Mar. 30, 1937. Class 49.
Continental Machine Specialties, Inc., Minneapolis, Minn. Combination band sawing and filing machine. 346,825; June 8; Serial No. 387,660; published Mar. 30, 1937. Class 23.
Corcoran, Walter P., doing business as Madra Yvonne Co., Cincinnati, Ohio. Hand lotion, cleansing cream, facial pack, etc. 346,708; June 8; Serial No. 377,304; published Mar. 16, 1937. Class 6.
Cramer, Aaron, Inc., New York, N. Y. Ladies' coats. 346,874; June 8; Serial No. 388,488; published Mar. 30, 1937. Class 39.
Crampton-Farley Brass Co., assignor to Crampton-Farley Mfg. Co., Kansas City, Mo. Floor-drains. 116,604; renewed May 15, 1937.
Cuban Health Products, Inc., Lansing, Mich. Cuban honey. 346,743; June 8; Serial No. 385,133; published Dec. 15, 1936. Class 46.
Curtice Brothers Co., Rochester, N. Y. Canned fruits, tomato juice, and vegetables. 346,890; June 8. Class 46.
Derris, Inc., New York, N. Y. Insecticides and drain pipe cleaner. 346,866; June 8; Serial No. 388,389; published Mar. 30, 1937. Class 6.
Ditto, Incorporated, Chicago, Ill. Chemical cleansing cream preparation, a preparation for blocking out ink writing or spots and a preparation for dilnting said blocking out preparation, etc. 346,757; June 8; Serial No. 386,102; published Mar. 30, 1937. Class 6.
Ditto, Incorporated, Chicago, Ill. Drawing kits, lead pencils, leads for pencils, etc. 346,774; June 8; Serial No. 386,793; published Mar. 30, 1937. Class 37.
Dorothy Gray Salons, Bloomfield, N. J. Perfume and face powder. 346,841; June 8; Serial No. 387,865; published Mar. 23, 1937. Class 6.
Downey, Ellen C., doing business as Ellen Clarice Co., Detroit, Mich., Hollywood, Calif., and New York, N. Y. Beauty creams, cleansing creams, liquefying creams, etc. 346,826; June 8; Serial No. 387,664; published Mar. 16, 1937. Class 6.
Dumari Textile Co., Inc., New York, N. Y. Fabrics in the piece. 346,840; June 8; Serial No. 387,819; published Mar. 30, 1937. Class 42.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Rubber impregnated fiber sheet material. 346,734; June 8; Serial No. 384,410; published Mar. 30, 1937. Class 1.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Thermo-plastic molding powder. 346,847; June 8; Serial No. 387,990; published Mar. 30, 1937. Class 1.
E. A. Laboratories, Inc., Brooklyn, N. Y. Vehicle heaters and parts thereof. 346,758; June 8; Serial No. 386,152; published Mar. 30, 1937. Class 19.
East Tennessee Packing Company, Knoxville, Tenn. Dry salt fancy square cut pork bellies, and eggs. 346,744; June 8; Serial No. 385,138; published Mar. 30, 1937. Class 46.
Eau de Cologne- Pärfumerie-Fabrik "Glockengasse No. 4711" gegenüber Pferdepost von Ferd. Millhens. (See Borgfeldt, George, & Co.)
Electro-Best Manufacturing Co., Detroit and Highland Park, Mich. Electro-steam vaporizers for scalp treatment. 346,714; June 8; Serial No. 380,472; published Mar. 30, 1937. Class 44.
Ellen Clarice Co. (See Downey, Ellen C.)
Erie Resistor Corporation, Erie, Pa. Resistors and condensers. 346,828; June 8; Serial No. 387,682; published Mar. 30, 1937. Class 21.
Evans-Walton Company, Detroit, Mich. Protective siccative coating for metal surfaces. 346,809; June 8; Serial No. 387,547; published Mar. 30, 1937. Class 16.
Famous Barr Company. (See May Department Stores Company, The.)
Fisher, J. M., Company, Attleboro, Mass. Jewelry and precious-metal ware. 118,965; renewed Oct. 16, 1937.
Fleming & Company, Limited, Gore, New Zealand. Breakfast cereals. 114,736; renewed Jan. 2, 1937.
Fluid Meters, Inc., New York, N. Y. Fuel oil meters. 346,827; June 8; Serial No. 387,667; published Mar. 30, 1937. Class 26.
Foot Filter, Inc., Jersey City, N. J. Medicated pads for insertion into shoes. 346,699; June 8; Serial No. 370,762; published Mar. 16, 1937. Class 6.
Frederick Bros., Inc., Chicago, Ill. Malt beverages and beer. 346,848; June 8; Serial No. 387,998; published Mar. 30, 1937. Class 48.

Freidenrich-Van Cott, Inc., by change of name to Van Cott Bros., Incorporated, New York, N. Y. Athletic goods. 114,348; renewed Dec. 12, 1936.
Frost, Owen D., doing business as Willow Spring Farm, Millington, N. J. Composition for use in plucking birds. 346,782; June 8; Serial No. 386,938; published Mar. 23, 1937. Class 6.
Fuller, Marcus A., Springfield, Mass. Dentifrices. 346,759–60; June 8; Serial Nos. 386,208–9; published Mar. 16, 1937. Class 6.
Gabilla, Incorporated, New York, N. Y. Perfumes. 346,802; June 8; Serial No. 387,464; published Mar. 30, 1937. Class 6.
General Chemical Company. (See Mechling Brothers Chemical Company, assignor.)
Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burners. 346,837; June 8; Serial No. 387,783; published Mar. 30, 1937. Class 34.
Goldsmit Black, Incorporated, Pittsburgh, Pa. Razor blades. 346,750; June 8; Serial No. 385,841; published Mar. 30, 1937. Class 23.
Goldwaters Mercantile Co., Phoenix, Ariz. Dresses, sweaters, coats, etc. 346,747; June 8; Serial No. 385,463; published Mar. 30, 1937. Class 39.
Goodwill Cigar Company, Atlantic City, N. J. Cigars. 346,877; June 8; Serial No. 388,573; published Mar. 30, 1937. Class 17.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Anti-freeze solution. 346,776; June 8; Serial No. 386,859; published Mar. 23, 1937. Class 6.
Gould Company, Philadelphia, Pa. Coal and hardwood charcoal. 346,873; June 8; Serial No. 388,487; published Mar. 30, 1937. Class 1.
Graham, M. L., Seattle, Wash. Ice cream, sherbets, and ice cream bars, etc. 346,722; June 8; Serial No. 382,154; published Mar. 30, 1937. Class 46.
Grant, W. T., Company, New York, N. Y. Women's silk hose. 346,889; June 8. Class 39.
Grove Laboratories, Inc., The, also doing business as Beaumont Laboratories, Wilmington, Del., and St. Louis, Mo. Medicated ointment. 346,819; June 8; Serial No. 387,621; published Mar. 16, 1937. Class 6.
Hallicrafters, Inc., The, Chicago, Ill. Radio receiving sets. 346,842; June 8; Serial No. 387,901; published Mar. 30, 1937. Class 21.
Hallicrafters, Inc., The, Chicago, Ill. Radio receiving sets. 346,843; June 8; Serial No. 387,904; published Mar. 30, 1937. Class 21.
Hammer, Clarence A., New Orleans, La. Wine. 346,709; June 8; Serial No. 377,686; published Aug. 25, 1936. Class 47.
Hammond Paint & Chemical Co., Beacon, N. Y. Insecticides and fungicides. 346,778; June 8; Serial No. 386,895; published Mar. 30, 1937. Class 6.
Harmonsburg Creamery Co., Inc., Harmonsburg, Pa. Cream cheese. 346,698; June 8; Serial No. 340,713; published Oct. 9, 1934. Class 46.
Helms Bakeries, Los Angeles, Calif. Bread. 346,730; June 8; Serial No. 383,504; published Mar. 30, 1937. Class 46.
Hogan Milling Company, Junction City, Kans. Wheat flour. 346,893; June 8. Class 46.
House of Westmore, Inc., The, Los Angeles, Calif. Cosmetics and toilet preparations. 346,787; June 8; Serial No. 387,068; published Mar. 30, 1937. Class 6.
Ideal Novelty & Toy Company, Long Island City, N. Y. Dolls, costumes for dolls, parts of costumes for dolls, etc. 346,884; June 8; Serial No. 388,983; published Mar. 30, 1937. Class 22.
Illingworth, Thomas, assignor, by mesne assignments, to George Armitage, Limited, Bradford, England. Fabrics. 14,584; re-renewed July 12, 1937.
Independent Milwaukee Brewery, Milwaukee, Wis. Malt beverage. 346,789; June 8; Serial No. 387,187; published Mar. 30, 1937. Class 48.
Indiana Motors Corporation, Cleveland, Ohio. Motor trucks. 346,733; June 8; Serial No. 384,256; published Feb. 2, 1937. Class 19.
Inland Steel Company, Chicago, Ill. Alloy steel. 346,705; June 8; Serial No. 374,412; published Mar. 30, 1937. Class 14.
International Printing Ink Corporation, The, New York, N. Y. Printing inks. 346,861; June 8; Serial No. 388,320; published Mar. 30, 1937. Class 11.
Ironhard Paint & Color Works Ltd., Los Angeles, Calif. Ready mixed, paste, and powder form paints, varnishes, and paint enamels. 346,882–3; June 8; Serial Nos. 388,938–9; published Mar. 30, 1937. Class 16.
Jill, Frank, Inc., New York, N. Y. Fresh deciduous fruits. 346,742; June 8; Serial No. 385,043; published Mar. 30, 1937. Class 46.
Jung, L. E., & Wulff Company, Inc., New Orleans, La. Whiskey, gin, and liqueurs. 346,751; June 8; Serial No. 385,843; published Mar. 30, 1937. Class 49.
Kahlenberg Bros. Co., Two Rivers, Wis. Internal combustion engines, compressors, and pumps. 346,820; June 8; Serial No. 387,624; published Mar. 30, 1937. Class 23.
Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. 346,700; June 8; Serial No. 371,596; published Feb. 11, 1936. Class 46.
Kent Remedies, Inc., Brooklyn, N. Y. Stomach preparation. 346,831; June 8; Serial No. 387,747; published Mar. 16, 1937. Class 6.
Kent Remedies, Inc., Brooklyn, N. Y. Cough medicine. 346,832; June–8; Serial No. 387,748; published Mar. 16, 1937. Class 6.
Kimble Glass Co., Chicago, Ill., to Kimble Glass Company, Vineland, N. J. Beakers, flasks, etc. 117,764; renewed July 31, 1937.
Koppers Company, Pittsburgh, Pa., and Baltimore, Md. Apparatus for expanding pistons. 346,746; June 8; Serial No. 385,413; published Mar. 30, 1937. Class 23.
Kowalski, Mary, doing business as New Life Herb Company, Chicago, Ill. Roots and herbs for heartburn, etc. 346,728; June 8; Serial No. 383,115; published Mar. 23, 1937. Class 6.
Krasnow, Ben B., doing business as Ben B. Krasnow Co., Sacramento, Calif. Fresh fruits. 346,770; June 8; Serial No. 386,733; published Mar. 30, 1937. Class 46.
Kreamer, A., Inc., Brooklyn, N. Y. Receptacles. 118,301; renewed Aug. 28, 1937.
Kresge, S. S., Company, Detroit, Mich. Hosiery. 346,856; June 8; Serial No. 388,268; published Mar. 30, 1937. Class 39.
Lanphear, Hiram, & Company, Chicago, Ill. Canned food made from toasted wheat embryo. 346,738; June 8; Serial No. 384,728; published Mar. 30, 1937. Class 46.
Lanter, Eugene, doing business as Pathe Watch Company, New York, N. Y. Watches. 346,901; June 8. Class 27.
La Resista Corset Company, The, Bridgeport, Conn. Ladies' corsets, corselets, girdles, etc. 346,895; June 8. Class 39.
Laurel Biscuit Company, The, Dayton, Ohio. Wafers flavored with cheese and celery. 346,853; June 8; Serial No. 388,139; published Mar. 30, 1937. Class 46.
Leek, T. Gostage, assignor to West Virginia Pulp & Paper Company, New York, N. Y. Face powder. 346,707; June 8; Serial No. 377,120; published Mar. 23, 1937. Class 6.
Levine, Louis, doing business as Admiration Products Co., New York, N. Y. Electrically operated apparatus used in the squeezing of fruits. 346,737; June 8; Serial No. 384,663; published Mar. 30, 1937. Class 21.
Lietz, A., Co., The, San Francisco, Calif. Engineering and drafting instruments. 346,718; June 8; Serial No. 381,274; published Mar. 30, 1937. Class 26.
Loblaw Groceterias, Inc., Buffalo, N. Y. Coffee. 346,713; June 8; Serial No. 379,479; published Mar. 30, 1937. Class 46.
Lofthouse, Dave O., Bemidji, Minn. Breath neutralizer in tablet form. 346,777; June 8; Serial No. 386,864; published Mar. 16, 1937. Class 6.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Crackers, biscuits, and cakes. 346,794–5; June 8; Serial Nos. 387,333–4; published Mar. 30, 1937. Class 46.
Luxuray, Inc., New York, N. Y. Bloomers, undershorts, and panties. 346,904; June 8. Class 39.
MacQuithy, Norman C., doing business as Rid Products, Terre Haute, Ind. Mange salve or ointment. 346,768; June 8; Serial No. 386,683; published Mar. 23, 1937. Class 6.
Macy, R. H., & Co., Inc., New York, N. Y. Beds, secretaries, chests, etc. 346,740; June 8; Serial No. 384,805; published Mar. 30, 1937. Class 32.
Madra Yvonne Co. (See Corcoran, Walter P.)
Magnavox Company, The, Fort Wayne, Ind. Illuminated instrument dials. 346,769; June 8; Serial No. 386,684; published Mar. 30, 1937. Class 26.
Mallory, Molla, New York, N. Y. Dresses. 346,851; June 8; Serial No. 388,067; published Mar. 30, 1937. Class 39.
Manucol Products Limited, London, England. Alginic acid and salts of alginic acid. 346,753; June 8; Serial No. 385,932; published Mar. 16, 1937. Class 6.
Mark Cross Company, New York, N. Y. Perfumes and toilet waters. 346,702; June 8; Serial No. 373,202; published Mar. 16, 1937. Class 6.
Martin Dyeing & Finishing Company, Bridgeton, N. J. Water resistant cotton duck. 346,783; June 8; Serial No. 386,956; published Mar. 30, 1937. Class 50.
May Department Stores Company, The, New York, N. Y., doing business as Famous Barr Company, St. Louis, Mo. Household staple table linens made only of linen. 346,905; June 8. Class 42.
McKinlay, Jane, doing business as Rejuvo Sales Co., Los Angeles, Calif. Face lifting appliances. 346,771; June 8; Serial No. 386,736; published Mar. 30, 1937. Class 44.
Mechling Brothers Chemical Company, assignor to General Chemical Company, Camden, N. J. Calcium chloride. 346,814; June 8; Serial No. 387,586; published Mar. 16, 1937. Class 6.
Mechling Brothers Chemical Company, assignor to General Chemical Company, Camden, N. J. Insecticides. 346,844; June 8; Serial No. 387,913; published Mar. 23, 1937. Class 6.
Medicated Fabrics Limited, London, England. Fabric gloves and mittens, socks, stockings, etc. 346,735; June 8; Serial No. 384,622; published Mar. 30, 1937. Class 39.
Miller Medicals Inc., Indianapolis, Ind. Tablets, for cold, etc. 346,732; June 8; Serial No. 384,185; published Mar. 23, 1937. Class 6.

Missoula Brewing Co., Missoula, Mont. Beer. 346,864; June 8; Serial No. 388,361; published Mar. 30, 1937. Class 48.
Mist-O-Mint Co. (See Universal Match Corporation, The.)
Mitchell & Weber, Inc., New York, N. Y. Blouses. 346,815; June 8; Serial No. 387,588; published Mar. 30, 1937. Class 39.
Moody, Josephus, doing business as Joe Moody, Detroit, Mich. Liniment for external use. 346,752; June 8; Serial No. 385,896; published Mar. 30, 1937. Class 6.
Mülhens, Peter Paul. (See Borgfeldt, George, & Co., assignor.)
Myco-Lac Mineral Yeast Company, The, Atchison, Kans. Medicated mineral feed for live stock and poultry. 346,791; June 8; Serial No. 387,250; published Mar. 23, 1937. Class 6.
Naamlooze Vennootschap Pharmaceutische Fabriek A Mijnhardt, Zeist, Netherlands. Creams, oils, powders, rouge, etc. 346,726; June 8; Serial No. 383,104; published Jan. 26, 1937. Class 6.
National Engineering Company, Chicago, Ill. Mulling machines. 346,903; June 8. Class 23.
National Minerals Corporation, New York, N. Y. Zircon, rutile, and ilmenite. 346,878; June 8; Serial No. 388,589; published Mar. 30, 1937. Class 1.
Natural Set Up Sales Corporation, St. Louis, Mo. Carbonated soft drinks with lemon flavor and extracts and concentrated fruit syrups used in preparation. 346,867; June 8; Serial No. 388,405; published Mar. 30, 1937. Class 45.
New Life Herb Company. (See Kowalski, Mary.)
Nox Laboratories. (See Scobell, Sidney B.)
Nutty Nut Stores, Pittsburgh, Pa. Nuts. 346,897; June 8. Class 46.
Old Ben Coal Corporation, Chicago, Ill. Coal. 346,875; June 8; Serial No. 388,509; published Mar. 30, 1937. Class 1.
Old Collins Company, Inc., Distillers, New York, N. Y. Gin, whiskey, rum, etc. 346,885; June 8; Serial No. 389,147; published Mar. 30, 1937. Class 49.
Old Colony Envelope Company, Westfield, Mass. Correspondence and mailing envelopes. 346,888; June 8. Class 37.
Osborne, Florence, Cleveland Heights, Ohio. Perfume. 346,870; June 8; Serial No. 388,461; published Mar. 30, 1937. Class 6.
Owens-Illinois Glass Company, Toledo, Ohio. Salt and pepper shakers. 346,810; June 8; Serial No. 387,554; published Mar. 30, 1937. Class 2.
Ozone Co., Inc., New Orleans, La. Spring water and beverages and sirups and extracts for making the same. 346,857; June 8; Serial No. 388,276; published Mar. 30, 1937. Class 45.
Patent Tube Corp., New York, N. Y. Containers. 346,741; June 8; Serial No. 384,863; published Mar. 30, 1937. Class 2.
Pathe Watch Company. (See Lanter, Eugene.)
Pharmaceutische Gesellschaft "Vadag" Aktiengesellschaft, Vaduz, Liechtenstein. Compound for syphilis and similar diseases. 346,710; June 8; Serial No. 377,997; published Mar. 16, 1937. Class 6.
Pharma-Clinical Laboratories. (See Weiner, Louis I.)
Phillips Corporation, The, Portland, Oreg. Valves for supplying water to drain traps. 346,846; June 8; Serial No. 387,953; published Mar. 30, 1937. Class 13.
Picot Laboratories, Inc., Wilmington, Del. Medicinal preparation. 346,816; June 8; Serial No. 387,595; published Mar. 16, 1937. Class 6.
Plumb, Charles C., doing business as C. C. Plumb Company, Providence, R. I. Asphalt paint. 346,697; June 8; Serial No. 383,891; published Mar. 30, 1937. Class 16.
Po-Ho-Co A. G. Basel Gesellschaft für Po-Ho-Verbreitung, Basel, Switzerland. Medicinal preparation. 346,731; June 8; Serial No. 383,544; published Mar. 16, 1937. Class 6.
Prentice, G. E., Manufacturing Company, The, Berlin, Conn. Slide operated fasteners. 346,854; June 8; Serial No. 388,143; published Mar. 30, 1937. Class 13.
Pro-phy-lac-tic Brush Company, Northampton, Mass. Toorh brushes. 346,706; June 8; Serial No. 376,916; published Mar. 30, 1937. Class 29.
Puritan Soap Company, Rochester, N. Y. Fluid mixture for use in hydraulic brake systems and a liquefied mixture for stopping leaks in automobile radiators and similar uses. 346,845; June 8; Serial No. 387,920; published Mar. 23, 1937. Class 6.
Reed, C. A., Company, Williamsport, Pa. Cardboard boxes of paper napkins. 346,887; June 8. Class 37.
Rejuvo Sales Co. (See McKinlay, Jane.)
Reo Motor Car Company, Lansing, Mich. Automobiles and structural parts thereof. 346,784; June 8; Serial No. 386,961; published Mar. 30, 1937. Class 19.
Reynolds Mfg. Co., Holyoke, Mass. Stenographers' books, notebooks, composition and writing books. 346,855; June 8; Serial No. 388,243; published Mar. 30, 1937. Class 37.
Rid Products. (See MacQuitty, Norman C.)
Rifa-New York, Inc., New York, N. Y. Natural and synthetic essential oils. 346,821; June 8; Serial No. 387,630; published Mar. 16, 1937. Class 6.
Rival Manufacturing Company. (See Talge, Foster L.)
Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin controlled amusement apparatus. 346,881; June 8; Serial No. 388,800; published Mar. 30, 1937. Class 22.
Saks & Company, New York, N. Y. After shaving lotion and after shaving powder. 346,764; June 8; Serial No. 386,453; published Mar. 23, 1937. Class 6.
Samstag, Henry F., New York, N. Y. Single and/or double edge safety razor blades. 346,833; June 8; Serial No. 387,755; published Mar. 30, 1937. Class 23.
Sanford Mills. (See Chase, L. C., & Company, assignor.)
San-Nap-Pak Mfg. Co. Inc., New York, N. Y. Sanitary napkins. 346,894; June 8. Class 44.
Saputo, Salvatore, West New York, N. J. Olive oil. 346,703; June 8; Serial No. 373,704; published Mar. 30, 1937. Class 46.
Sazerac Company, Inc., New Orleans, La. Gin. 346,779; June 8; Serial No. 386,912; published Mar. 30, 1937. Class 49.
Schaffran & Landa, Inc., New York, N. Y. Piece goods. 346,811; June 8; Serial No. 387,563; published Mar. 30, 1937. Class 42.
Schatz-Pollack Woolen Company, Inc., Chicago, Ill. Men's woolens. 346,788; June 8; Serial No. 387,159; published Mar. 30, 1937. Class 42.
Schering Corporation, Bloomfield, N. J. Medicinal preparation. 346,796; June 8; Serial No. 387,399; published Mar. 16, 1937. Class 6.
Schieffelin & Co., New York, N. Y. Rum. 346,812; June 8; Serial No. 387,564; published Mar. 30, 1937. Class 49.
Schleisner Company, Inc., Baltimore, Md. Cotton dresses, tailored and silk dresses, sweaters, etc. 346,892; June 8. Class 39.
Schwartz, Tillie L., doing business as Tee-El-Ess Company, Brooklyn, N. Y. Slenderizing drink. 346,805; June 8; Serial No. 387,517; published Mar. 23, 1937. Class 6.
Scobell, Sidney B., doing business as Nox Laboratories, Toronto, Ontario, Canada. Powder for the relief of hyperacidity and sour stomach. 346,715; June 8; Serial No. 380,719; published Mar. 23, 1937. Class 6.
Shotwell Manufacturing Co., The, Chicago, Ill. Candy. 346,891; June 8. Class 46.
Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. 346,834; June 8; Serial No. 387,757; published Mar. 16, 1937. Class 6.
Société des Parfums Weil, Société Anonyme, Paris, France. Perfumes, toilet waters, rouge, etc. 346,749; June 8; Serial No. 385,809; published Mar. 16, 1937. Class 6.
Squibb, E. R., & Sons, New York, N. Y. Pregnancy-test preparation. 346,817; June 8; Serial No. 387,601; published Mar. 16, 1937. Class 6.
Standard Safety Equipment Co., Chicago, Ill. Sodium chloride tablets. 346,721; June 8; Serial No. 382,140; published Mar. 30, 1937. Class 46.
Swanson, Nels H., Chicago, Ill. Key cases. 346,767; June 8; Serial No. 386,669; published Mar. 30, 1937. Class 3.
Taber, Franklin L., Winslow, Ariz. Medicinal preparation. 346,790; June 8; Serial No. 387,228; published Mar. 9, 1937. Class 6.
Talge, Foster L., doing business as Rival Manufacturing Company, Kansas City, Mo. Fruit juice extractors. 346,876; June 8; Serial No. 388,552; published Mar. 30, 1937. Class 23.
Tee-El-Ess Company. (See Schwartz, Tillie L.)
Triple-A-Specialty Company, Chicago, Ill. Battery testers. 346,701; June 8; Serial No. 372,695; published Mar. 30, 1937. Class 26.
Tru-Lyte Laboratories, Oakland, Calif. Hair tint, hair shampoo, and hair tint developer. 346,785; June 8; Serial No. 387,010; published Mar. 23, 1937. Class 6.
Turner Company, Cedar Rapids, Iowa. Amplified telephonic communication system adapted for inter-office use. 346,736; June 8; Serial No. 384,633; published Mar. 30, 1937. Class 21.
Ueeker Equipment Company, Wauwatosa, Wis. Ladders and scaffold equipment. 346,868; June 8; Serial No. 388,422; published Mar. 30, 1937. Class 50.
Union Oil Company of California, Los Angeles, Calif. Sprayers. 346,763; June 8; Serial No. 386,385; published Mar. 30, 1937. Class 23.
United Asbestos Pad Corp., Chicago, Ill. Table pads. 346,772; June 8; Serial No. 386,751; published Mar. 30, 1937. Class 32.
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 346,865; June 8; Serial No. 388,379; published Mar. 23, 1937. Class 22.
United States Rubber Products, Inc., New York, N. Y. Rubber lined tanks. 346,727; June 8; Serial No. 383,111; published Mar. 30, 1937. Class 2.
Universal Match Corporation, The, doing business as Mist-O-Mint Co., St. Louis, Mo., and Decatur, Ill. Breath deodorizer. 346,807; June 8; Serial No. 387,526; published Mar. 30, 1937. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Preparation for use in checking micro-organisms. 346,813; June 8; Serial No. 387,569; published Mar. 16, 1937. Class 6.
Van Cott Bros., Incorporated. (See Freidenrich-Van Cott, Inc.)

Vidnelle Permanent Wave Co., San Francisco, Calif. Electrical apparatus for permanently waving hair. 346,871; June 8; Serial No. 388,473; published Mar. 30, 1937. Class 44.
Virginia-Carolina Chemical Corporation, Richmond, Va. Monocalcium phosphate. 346,799; June 8; Serial No. 387,447; published Mar. 16, 1937. Class 6.
Vitamint Corporation, Boston, Mass. Facial and body cosmetic creams and oils. 346,761; June 8; Serial No. 386,228; published Mar. 23, 1937. Class 6.
Vuccino, Albert A., New York, N. Y. Ash trays. 346,806; June 8; Serial No. 387,525; published Mar. 30, 1937. Class 8.
Wald, Solomon A., New York, N. Y. Beverage. 346,852; June 8; Serial No. 388,077; published Mar. 23, 1937. Class 45.
Waverly Cocoa & Chocolate Co., Inc., Brooklyn, N. Y. Candy. 346,835; June 8; Serial No. 387,761; published Mar. 30, 1937. Class 46.
Weiner, Louis I., doing business as Pharma-Clinical Laboratories, New York, N. Y. Suppositories. 346,773; June 8; Serial No. 386,783; published Mar. 23, 1937. Class 6.
Wenatchee Milling Co., Wenatchee, assignor to Centennial Flouring Mills Co., Seattle, Wash. Wheat-flour. 117,622; renewed July 17, 1937.
Wendel, Peter, & Sons, Inc., Irvington, N. J. Automobile truck bodies. 346,899; June 8. Class 19.
West Virginia Pulp & Paper Company. (See Leek, T. Gostage, assignor.)
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Flexible shafting. 346,797; June 8; Serial No. 387,416; published Mar. 30, 1937. Class 23.
Wile, M., & Company, Inc., Buffalo, N. Y. Suits, coats, trousers, etc. 346,755; June 8; Serial No. 386,059; published Mar. 30, 1937. Class 39.
Williams Gold Refining Co., Inc., The, Buffalo, N. Y. Casting metals used in dentistry. 346,849; June 8; Serial No. 388,041; published Mar. 30, 1937. Class 44.
Willow Spring Farm. (See Frost, Owen D.)
Wincharger Corporation, Sioux City, Iowa. Prime-mover driven electric generator combinations. 346,716; June 8; Serial No. 381,243; published Mar. 30, 1937. Class 21.
Woodford County Distillery Co., Midway, Ky. Whiskey. 346,872; June 8; Serial No. 388,474; published Mar. 30, 1937. Class 49.
World's Dispensary Medical Association, Buffalo, N. Y. Proprietary medicines and remedies for treatment of diseases and ailments. 119,157; renewed Oct. 23, 1937.
X-Ray Panoramascope, Inc., Jamaica, N. Y. Device for viewing dental X-ray films and the like. 346,879; June 8; Serial No. 388,625; published Mar. 30, 1937. Class 44.
Zenith Radio Corporation, Chicago, Ill. Thermo electric generators. 346,717; June 8; Serial No. 381,245; published Mar. 30, 1937. Class 21.
Zepp, Francis E., Miami, Fla. Pile ointment. 346,708; June 8; Serial No. 387,417; published Mar. 16, 1937. Class 6.

LIST OF REGISTRANTS OF LABELS

Hutson, Harry G., Atlanta, Ga. Fish-Dust. For a Preparation for Exterminating Silver Fish. 49,394; June 8.
Klean-It Company. (See Potts, Orion A.)
Levine & Yagolnitzer, New York, N. Y. Kenmore Certified Five Year Sheets and Cases. For Sheets and Pillow Cases. 49,395; June 8.
Linda Corporation, Chicago, Ill. Aurea Linda Wash. For Washing Fluid. 49,396; June 8.
Lucky Tiger Manufacturing Company, Kansas City, Mo. Oxy-Quin. For Medicated Cream. 49,397; June 8.
Magical Chemical Co., Brooklyn, N. Y. Magic Spray. For a Spray for Killing Insects. 49,398; June 8.
Marco Products Company, Mountville, Pa. Victor Vapor Rub. For a Medicinal Preparation. 49,399; June 8.
Markwell Manufacturing Company, Inc., New York, N. Y. Markwell Plier Type Fastener for Office, Warehouse, and Factory. For Fasteners. 49,400; June 8.
Markwell Manufacturing Company, Inc., New York, N. Y. Markwell RX46 Plier Type Fastener. For Fasteners. 49,401; June 8.
Pennsylvania Bottling & Supply Co., Philadelphia, Pa. Pennsylvania Beverages. For Pale Dry Ginger Ale. 49,402; June 8.
Potts, Orion A., doing business as Klean-It Company, Youngstown, Ohio. Klean-It. For a Cleaner. 49,403; June 8.
Sun Oil Company, Philadelphia, Pa. Sunoco Motor Oil. For Motor Oil. 49,404; June 8.
Wizard, Inc., Chicago, Ill. Wizard Mop. For Polish Mops. 49,405; June 8.

LIST OF REGISTRANTS OF PRINTS

Fritsch, Lewis A., Cincinnati, Ohio. Auto-Wear. For Belts for the Back and Stomach. 16,215; June 8.

Hershberger, Ralph A., Cleveland, Ohio. Circle System of Drawing. For Printed Instructions in Drawing and Cartooning. 16,216; June 8.

Laucks, I. F., Inc., Seattle, Wash. Good for Wood. For Under or Priming Coat for Wood, Cement, Plaster or Brick and for a Filler, Sealer, and Grain Raiser Inhibitor for Lumber and Ply-wood. 16,217; June 8.

Louangel Corporation, New York, N. Y. Clipper Original Brushlesstik-Clipper The Original 1 Aspirin Brushless Shaving Stick and Cream. For Shaving Sticks and Cream. 16,218; June 8.
Stearns, Frederick & Company, Detroit, Mich. Stearns Eye-Mo. For Eye Lotion. 16,219; June 8.
Stearns, Frederick, & Company, Detroit, Mich. Scientific Achievements. For Medicines and Prescriptions. 16,220; June 8.
Tasty Baking Company, Philadelphia, Pa. Krimpets. For Cake. 16,221; June 8.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal, Old Ben Coal Corporation. 346,875; June 8; Serial No. 388,509; published Mar. 30, 1937.
Coal and hardwood charcoal, Gould Company. 346,873; June 8; Serial No. 388,487; published Mar. 30, 1937.
Powder, Thermo-plastic molding, E. I. du Pont de Nemours and Company. 346,847; June 8; Serial No. 387,990; published Mar. 30, 1937.
Sheet material, Rubber impregnated fiber. E. I. du Pont de Nemours and Company. 346,734; June 8; Serial No. 384,410; published Mar. 30, 1937.
Zircon, rutile, and ilmenite, National Minerals Corporation. 346,878; June 8; Serial No. 388,589; published Mar. 30, 1937.

CLASS 2

Containers, Patent Tube Corp. 346,741; June 8; Serial No. 384,863; published Mar. 30, 1937.
Receptacles. A. Kreamer, Inc. 118,301; renewed Aug. 28, 1937.
Shakers, Salt and pepper. Owens-Illinois Glass Company. 346,810; June 8; Serial No. 387,554; published Mar. 30, 1937.
Tanks, Rubber lined. United States Rubber Products, Inc. 346,727; June 8; Serial No. 383,111; published Mar. 30, 1937.

CLASS 3

Blankets, sheets, dusters, etc. for horses, cows, and other animals. L. C. Chase & Company. 119,041; renewed Oct. 23, 1937.
Cases, Key. N. H. Swanson. 346,767; June 8; Serial No. 386,669; published Mar. 30, 1937.

CLASS 6

Acid and salts of alginic acid, Alginic. Manucol Products Limited. 346,753; June 8; Serial No. 385,932; published Mar. 16, 1937.
Anti-freeze solution. Goodyear Tire & Rubber Company. 346,776; June 8; Serial No. 386,859; published Mar. 23, 1937.
Bay rum. A. Cajagas. 346,818; June 8; Serial No. 387,619; published Mar. 16, 1937.
Brake fluid, Hydraulic. Atlas Supply Company. 346,800; June 8; Serial No. 387,449; published Mar. 16, 1937.
Breath neutralizer in tablet form. D. O. Lofthouse. 346,777; June 8; Serial No. 386,864; published Mar. 16, 1937.
Calcium chloride. Mechling Brothers Chemical Company. 346,814; June 8; Serial No. 387,586; published Mar. 16, 1937.

Calcium phosphate, Mono. Blockson Chemical Co. 346,762; June 8; Serial No. 386,303; published Mar. 16, 1937.
Chemical and pharmaceutical preparations. George Borgfeldt & Co. 117,288; renewed July 3, 1937.
Chemical cleansing cream preparation, a preparation for blocking out ink writing or spots and a preparation for diluting said blocking out preparation, etc. Ditto, Incorporated. 346,757; June 8; Serial No. 386,102; published Mar. 30, 1937.
Chemicals or chemical preparations for the elimination of rust and scale. Calcinite Chemicals, Inc. 346,766; June 8; Serial No. 386,563; published Mar. 23, 1937.
Composition for use in plucking birds. O. D. Frost. 346,782; June 8; Serial No. 386,938; published Mar. 23, 1937.
Compound for syphilis and similar diseases. Pharmaceutische Gesellschaft "Vadag" Aktiengesellschaft. 346,710; June 8; Serial No. 377,997; published Mar. 16, 1937.
Cosmetics and toilet preparations. House of Westmore, Inc. 346,787; June 8; Serial No. 387,068; published Mar. 30, 1937.
Cream, lipstick, and lipstick refills, Skin. Antoine de Paris, Inc. 346,748; June 8; Serial No. 385,719; published Mar. 23, 1937.
Creams and oils, Facial and body cosmetic. Vitamint Corporation. 346,761; June 8; Serial No. 386,228; published Mar. 23, 1937.
Creams, cleansing creams, liquefying creams, etc., Beauty. E. C. Downey. 346,826; June 8; Serial No. 387,664; published Mar. 16, 1937.
Creams, oils, powders, rouge, etc. Naamlooze Vennootschap Pharmaceutische Fabriek A Mijnhardt. 346,726; June 8; Serial No. 383,104; published Jan. 26, 1937.
Dentifrices. M. A. Fuller. 386,759–60; June 8; Serial Nos. 386,208–9; published Mar. 16, 1937.
Deodorizer, Breath. Universal Match Corporation. 346,807; June 8; Serial No. 387,526; published Mar. 30, 1937.
Drink, Slenderizing. T. L. Schwartz. 346,805; June 8; Serial No. 387,517; published Mar. 23, 1937.
Drugs, medicines, and pharmaceutical preparations. G. Bernardi. 346,765; June 8; Serial No. 386,477; published Mar. 16, 1937.
Dyestuffs. American Aniline Products, Inc. 346,724; June 8; Serial No. 382,416; published Oct. 27, 1936.
Dyestuffs. Celanese Corporation of America. 346,723; June 8; Serial No. 382,339; published Oct. 27, 1936.
Fluid mixture for use in hydraulic brake systems and a liquefied mixture for stopping leaks in automobile radiators and similar uses. Puritan Soap Company. 346,845; June 8; Serial No. 387,920; published Mar. 23, 1937.
Hair tint, hair shampoo, and hair tint developer. Tru-Lyte Laboratories. 346,785; June 8; Serial No. 387,010; published Mar. 23, 1937.
Hair waving solution, hair rinse, hair tonic, and hair shampoo. Samuel Bonat & Bro. 346,836; June 8; Serial No. 387,776; published Mar. 16, 1937.
Insecticides. Mechling Brothers Chemical Company. 346,844; June 8; Serial No. 387,913; published Mar. 23, 1937.
Insecticides and drain pipe cleaner. Derris, Inc. 346,866; June 8; Serial No. 388,389; published Mar. 30, 1937.
Insecticides and fungicides. Hammond Paint & Chemical Co. 346,778; June 8; Serial No. 386,895; published Mar. 30, 1937.
Liniment for external use. J. Moody. 346,752; June 8; Serial No. 385,896; published Mar. 30, 1937.
Lotion and after shaving powder, After shaving. Saks & Company. 346,764; June 8; Serial No. 386,453; published Mar. 23, 1937.
Lotion, cleansing cream, facial pack, etc., Hand. W. P. Corcoran. 346,708; June 8; Serial No. 377,304; published Mar. 16, 1937.
Medicated mineral feed for live stock and poultry. Myco-Lac Mineral-Yeast Company. 346,791; June 8; Serial No. 387,250; published Mar. 23, 1937.
Medicated pads for insertion into shoes. Foot Filter, Inc. 346,699; June 8; Serial No. 370,762; published Mar. 16, 1937.
Medicinal compound. E. Bilhuber, Inc. 346,729; June 8; Serial No. 383,383; published Mar. 16, 1937.
Medicinal compound. Chappel Bros., Inc. 346,808; June 8; Serial No. 387,538; published Mar. 16, 1937.
Medicinal preparation. H. W. Boyd. 346,756; June 8; Serial No. 386,096; published Mar. 16, 1937.
Medicinal preparation. Burroughs Wellcome & Co. (U. S. A.) Inc. 346,786; June 8; Serial No. 387,022; published Mar. 23, 1937.
Medicinal preparation. Picot Laboratories, Inc. 346,816; June 8; Serial No. 387,595; published Mar. 16, 1937.
Medicinal preparation. Po-Ho-Co. A. G. Basel Gesellschaft für Po-Ho-Verbreitung. 346,731; June 8; Serial No. 383,544; published Mar. 16, 1937.
Medicinal preparation. Schering Corporation. 346,796; June 8; Serial No. 387,399; published Mar. 16, 1937.
Medicinal preparation. Smith, Kline & French Laboratories. 346,834; June 8; Serial No. 387,757; published Mar. 16, 1937.
Medicinal preparation. F. L. Taber. 346,790; June 8; Serial No. 387,228; published Mar. 9, 1937.
Medicine, Cough. Kent Remedies, Inc. 346,832; June 8; Serial No. 387,748; published Mar. 16, 1937.
Medicines and remedies for treatment of diseases and ailments, Proprietary. World's Dispensary Medical Association. 119,157; renewed Oct. 23, 1937.
Monocalcium phosphate. Virginia-Carolina Chemical Corporation. 346,799; June 8; Serial No. 387,447; published Mar. 16, 1937.
Nitrate of soda. Chilean Nitrate Sales Corporation. 346,839; June 8; Serial No. 387,818; published Mar. 16, 1937.
Oils, Natural and synthetic essential. Rifa-New York, Inc. 346,821; June 8; Serial No. 387,630; published Mar. 16, 1937.
Ointment. Benzene Manufacturing Co. 346,793; June 8; Serial No. 387,311; published Mar. 30, 1937.
Ointment. Carter Drug Company. 346,801; June 8; Serial No. 387,451; published Mar. 23, 1937.
Ointment, Medicated. Grove Laboratories, Inc. 346,819; June 8; Serial No. 387,621; published Mar. 16, 1937.
Ointment, Pile. F. E. Zepp. 346,798; June 8; Serial No. 387,417; published Mar. 16, 1937.
Perfume. Bourjois, Inc. 346,804; June 8; Serial No. 387,492; published Mar. 16, 1937.
Perfume. F. Osborne. 346,870; June 8; Serial No. 388,461; published Mar. 30, 1937.
Perfume and face powder. Dorothy Gray Salons. 346,841; June 8; Serial No. 387,865; published Mar. 23, 1937.
Perfumes. Gabilla, Incorporated. 346,802; June 8; Serial No. 387,464; published Mar. 30, 1937.
Perfumes and toilet waters. Mark Cross Company. 346,702; June 8; Serial No. 373,202; published Mar. 16, 1937.
Perfumes, toilet waters, rouge, etc. Société des Parfums Weil, Société Anonyme. 346,749; June 8; Serial No. 385,809; published Mar. 16, 1937.
Powder, Face. T. G. Lee. 346,707; June 8; Serial No. 377,120; published Mar. 23, 1937.
Powder for the relief of hyperacidity and sour stomach. S. B. Seobell. 346,715; June 8; Serial No. 380,719; published Mar. 23, 1937.
Powder, lipstick, nourishing cream, etc., Face. Chinard Cosmetics. 346,704; June 8; Serial No. 373,998; published Mar. 31, 1936.
Pregnancy-test preparation. E. R. Squibb & Sons. 346,817; June 8; Serial No. 387,601; published Mar. 16, 1937.
Preparation for the treatment of earache, Liquid. Chicago Pharmacal Co. 346,824; June 8; Serial No. 387,656; published Mar. 30, 1937.
Preparation for use in checking micro-organisms. Upjohn Company. 346,813; June 8; Serial No. 387,569; published Mar. 16, 1937.
Repellent, Dog and animal. Bon-Pier Company. 346,711; June 8; Serial No. 378,689; published Mar. 16, 1937.
Roots and herbs for heartburn, etc. M. Kowalski. 346,728; June 8; Serial No. 383,115; published Mar. 23, 1937.
Salve or ointment, Mange. N. C. MacQuithy. 346,768; June 8; Serial No. 386,683; published Mar. 23, 1937.
Stomach preparation. Kent Remedies, Inc. 346,831; June 8; Serial No. 387,747; published Mar. 16, 1937.
Suppositories. L. I. Weiner. 346,773; June 8; Serial No. 386,783; published Mar. 23, 1937.
Syrup for use as a sedative and expectorant in coughs due to colds. Abbott Laboratories. 346,822; June 8; Serial No. 387,649; published Mar. 16, 1937.
Tablets for cold, etc. Miller Medicals Inc. 346,732; June 8; Serial No. 384,185; published Mar. 23, 1937.

CLASS 8

Ash trays. A. A. Vuccino. 346,806; June 8; Serial No. 387,525; published Mar. 30, 1937.
Cigarette substitutes and cellulosic casings for non-tobacco fillings, Non-tobacco. Cheney Chemical Company. 346,745; June 8; Serial No. 385,249; published Mar. 30, 1937.

CLASS 9

Explosives. Atlas Powder Company. 346,880; June 8; Serial No. 388,750; published Mar. 30, 1937.

CLASS 11

Inks, Printing. International Printing Ink Corporation. 346,861; June 8; Serial No. 388,320; published Mar. 30, 1937.

CLASS 13

Drains, Floor. Crampton-Farley Brass Co. 116,604; renewed May 15, 1937.
Fasteners, Slide operated. G. E. Prentice Manufacturing Company. 346,854; June 8; Serial No. 388,143; published Mar. 30, 1937.
Nails, Horse. Capewell Manufacturing Company. 346,830; June 8; Serial No. 387,739; published Mar. 30, 1937.
Valves for supplying water to drain traps. Phillips Corporation. 346,846; June 8; Serial No. 387,953; published Mar. 30, 1937.

CLASS 14

Steel, Alloy. Inland Steel Company. 346,705; June 8; Serial No. 374,412; published Mar. 30, 1937.

CLASS 16

Paint, Asphalt. C. C. Plumb. 346,697; June 8; Serial No. 333,891; published Mar. 30, 1937.

Paints, varnishes, and paint enamels, Ready mixed, paste, and powder form. Ironhard Paint & Color Works Ltd. 346,882–3; June 8; Serial Nos. 388,938–9; published Mar. 30, 1937.
Siccative coating for metal surfaces, Protective. Evans-Walton Company. 346,809; June 8; Serial No. 387,547; published Mar. 30, 1937.
Varnish, paint remover, wood filler, etc. T. D. Chamberlain. 346,725; June 8; Serial No. 382,862; published Mar. 30, 1937.

CLASS 17

Cigars. Goodwill Cigar Company. 346,877; June 8; Serial No. 388,573; published Mar. 30, 1937.

CLASS 19

Automobiles and structural parts thereof. Reo Motor Car Company. 346,784; June 8; Serial No. 386,961; published Mar. 30, 1937.
Heaters and parts thereof, Vehicle. E. A. Laboratories, Inc. 346,758; June 8; Serial No. 386,152; published Mar. 30, 1937.
Truck bodies, Automobile. Peter Wendel & Sons, Inc. 346,809; June 8.
Trucks, Motor. Indiana Motors Corporation. 346,733; June 8; Serial No. 384,256; published Feb. 2, 1937.

CLASS 20

Linoleum. Congoleum-Nairn Inc. 346,860; June 8; Serial No. 388,312; published Mar. 30, 1937.

CLASS 21

Electrical wiring devices. Anchor Manufacturing Co. 346,823; June 8; Serial No. 387,650; published Mar. 30, 1937.
Electrically operated apparatus used in the squeezing of fruits. L. Levine. 346,737; June 8; Serial No. 384,663; published Mar. 30, 1937.
Generator combinations, Prime mover-driven. Wincharger Corporation. 346,716; June 8; Serial No. 381,243; published Mar. 30, 1937.
Generators, Thermo electric. Zenith Radio Corporation. 346,717; June 8; Serial No. 381,245; published Mar. 30, 1937.
Radio receiving sets. Hallicrafters, Inc. 346,842; June 8; Serial No. 387,901; published Mar. 30, 1937.
Radio receiving sets. Hallicrafters, Inc. 346,843; June 8; Serial No. 387,904; published Mar. 30, 1937.
Resistors and condensers. Erie Resistor Corporation. 346,828; June 8; Serial No. 387,682; published Mar. 30, 1937.
Telephonic communication system adapted for inter-office use, Amplified. Turner Company. 346,736; June 8; Serial No. 384,633; published Mar. 30, 1937.

CLASS 22

Amusement apparatus, Coin controlled. Rock-Ola Manufacturing Corporation. 346,881; June 8; Serial No. 388,800; published Mar. 30, 1937.
Bait, trolling bait, casting bait, Artificial. J. E. M. Chamberlaine. 346,898; June 8.
Cards, Playing. United States Playing Card Company. 346,865; June 8; Serial No. 388,379; published Mar. 23, 1937.
Dolls, costumes for dolls, parts of costumes for dolls, etc. Ideal Novelty & Toy Company. 346,884; June 8; Serial No. 388,983; published Mar. 30, 1937.
Sleds. American-National Company. 346,739; June 8; Serial No. 384,780; published Mar. 30, 1937.

CLASS 23

Apparatus for expanding pistons. Koppers Company. 346,746; June 8; Serial No. 385,413; published Mar. 30, 1937.
Band sawing and filing machine, Combination. Continental Machine Specialties, Inc. 346,825; June 8; Serial No. 387,660; published Mar. 30, 1937.
Bearings, Non-metallic machinery. K. W. Atwater. 346,754; June 8; Serial No. 386,008; published Mar. 30, 1937.
Cleaners or scrapers, Boiler-tube. A. W. Chesterton Company. 346,859; June 8; Serial No. 388,307; published Mar. 30, 1937.
Engines, compressors, and pumps, Internal combustion. Kahlenberg Bros. Co. 346,820; June 8; Serial No. 387,624; published Mar. 30, 1937.
Extractors, Fruit juice. F. L. Talge. 346,876; June 8; Serial No. 388,552; published Mar. 30, 1937.
Milling machines. National Engineering Company. 346,903; June 8.
Razor blades. Benaco Products Company. 346,792; June 8; Serial No. 387,264; published Mar. 30, 1937.
Razor blades, Goldsmit Black, Incorporated. 346,750; June 8; Serial No. 385,841; published Mar. 30, 1937.
Razor blades, Single and/or double edge safety. H. F. Samstag. 346,833; June 8; Serial No. 387,755; published Mar. 30, 1937.
Shafting, Flexible. S. S. White Dental Manufacturing Company. 346,797; June 8; Serial No. 387,416; published Mar. 30, 1937.
Sprayers. Union Oil Company of California. 346,763; June 8; Serial No. 386,385; published Mar. 30, 1937.

CLASS 26

Battery testers. Triple-A-Specialty. 346,701; June 8; Serial No. 372,695; published Mar. 30, 1937.
Cameras, Photographic. Agfa Ansco Corporation. 346,775; June 8; Serial No. 386,838; published Mar. 30, 1937.
Dials, Illuminated instrument. Magnavox Company. 346,769; June 8; Serial No. 386,684; published Mar 30, 1937.
Engineering and drafting instruments. A. Lietz Co. 346,718; June 8; Serial No. 381,274; published Mar. 30, 1937.
Meters, Fuel oil, Fluid Meters, Inc. 346,827; June 8; Serial No. 387,667; published Mar. 30, 1937.

CLASS 27

Watches. E. Lanter. 346,901; June 8.

CLASS 28

Jewelry and precious-metal ware. J. M. Fisher Company. 118,965; renewed Oct. 16, 1937.

CLASS 29

Tooth brushes. Pro-phy-lac-tic Brush Company. 346,766; June 8; Serial No. 376,916; published Mar. 30, 1937.

CLASS 32

Beds, secretaries, chests, etc. R. H. Macy & Co. 346,740; June 8; Serial No. 384,805; published Mar. 30, 1937.
Pads, Table. United Asbestos Pad Corp. 346,772; June 8; Serial No. 386,751; published Mar. 30, 1937.
Sofas, chairs, and love seats, Upholstered. Bullock's Inc. 346,829; June 8; Serial No. 387,734; published Mar. 30, 1937.

CLASS 33

Beakers, flasks, etc. Kimble Glass Co. 117,764; renewed July 31, 1937.

CLASS 34

Burners, Oil. Gilbert & Barker Manufacturing Company. 346,837; June 8; Serial No. 387,783; published Mar. 30, 1937.
Machinery and equipment for ventilating and dust collecting and controlling units. American Foundry Equipment Company. 346,886; June 8.

CLASS 37

Books, notebooks, composition and writing books, Stenographers'. Reynolds Mfg. Co. 346,855; June 8; Serial No. 388,243; published Mar. 30, 1937.
Boxes of paper napkins, Cardboard. C. A. Reed Company. 346,887; June 8.
Drawing kits, lead pencils, lead for pencils, etc. Ditto, Incorporated. 346,774; June 8; Serial No. 386,793; published Mar. 30, 1937.
Envelopes, Correspondence and mailing. Old Colony Envelope Company. 346,888; June 8.
Paper, Watermarked printing. Affiliated Enterprises, Inc. 346,780; June 8; Serial No. 386,923; published Mar. 30, 1937.

CLASS 39

Athletic goods. Freideurich-Van Cott, Inc. 114,348; renewed Dec. 12, 1936.
Bloomers, undershorts, and panties. Luxuray, Inc. 346,904; June 8.
Blouses. Mitchell & Weber, Inc. 346,815; June 8; Serial No. 387,588; published Mar. 30, 1937.
Coats, Ladies'. Aaron Cramer, Inc. 346,874; June 8; Serial No. 388,488; published Mar. 30, 1937.
Collars, Brooks Brothers. 346,896; June 8.
Corsets, corselets, girdles, etc., Ladies'. La Resista Corset Company. 346,895; June 8.
Dresses. Anderman-Bob Burns, Inc. 346,869; June 8; Serial No. 388,427; published Mar. 30, 1937.
Dresses. M. Mallory. 346,851; June 8; Serial No. 388,067; published Mar. 30, 1937.
Dresses, sweaters, coats, etc. Goldwaters Mercantile Co. 346,747; June 8; Serial No. 385,463; published Mar. 30, 1937.
Dresses, tailored and silk dresses, sweaters, etc., Cotton. Schleisner Company. 346,892; June 8.
Gloves and mittens, socks, stockings, etc., Fabric. Medicated Fabrics Limited. 346,735; June 8; Serial No. 384,622; published Mar. 30, 1937.
Hose, Women's silk. W. T. Grant Company. 346,889; June 8.
Hosiery. S. S. Kresge Company. 346,856; June 8; Serial No. 388,268; published Mar. 30, 1937.
Suits, coats, trousers, etc. M. Wile & Company. 346,755; June 8; Serial No. 386,059; published Mar. 30, 1937.

CLASS 42

Curtains, Window. Beacon Looms, Inc. 346,838; June 8; Serial No. 387,814; published Mar. 30, 1937.
Fabrics. T. Illingworth. 14,584; re-renewed July 12, 1937.
Fabrics in the piece. Dumari Textile Co. 346,840; June 8; Serial No. 387,819; published Mar. 30, 1937.
Linens, Household staple table. May Department Stores Company. 346,905; June 8.
Mohair and cotton pile fabrics. Sidney Blumenthal & Co. Inc. 346,712; June 8; Serial No. 379,181; published Mar. 30, 1937.
Piece goods. Schaffran & Landa, Inc. 346,811; June 8; Serial No. 387,563; published Mar. 30, 1937.
Pile fabrics. Sidney Blumenthal & Co. Inc. 346,719; June 8; Serial No. 381,353; published Mar. 30, 1937.
Pile fabrics. Sidney Blumenthal & Co. Inc. 346,858; June 8; Serial No. 388,303; published Mar. 30, 1937.

Rayon and acetate cloth, Plain and printed. Chopak Textile Co. Inc. 346,863; June 8; Serial No. 388,346; published Mar. 30, 1937.
Rayon piece goods. Carson Pirie Scott & Company. 346,862; June 8; Serial No. 388,344; published Mar. 30, 1937.
Woolen piece goods. Botany Worsted Mills. 346,900; June 8.
Woolens, Men's. Schatz-Pollack Woolen Company. 346,788; June 8; Serial No. 387,159; published Mar. 30, 1937.

CLASS 44

Device for viewing dental X-ray films and the like. X-Ray Panoramscope, Inc. 346,879; June 8; Serial No. 388,625; published Mar. 30, 1937.
Electrical apparatus for permanently waving hair. Vidnelle Permanent Wave Co. 346,871; June 8; Serial No. 388,473; published Mar. 30, 1937.
Face lifting appliances. J. McKinlay. 346,771; June 8; Serial No. 386,736; published Mar. 30, 1937.
Metals used in dentistry, Casting. Williams Gold Refining Co. 346,849; June 8; Serial No. 388,041; published Mar. 30, 1937.
Sanitary napkins. San-Nap-Pak Mfg. Co, Inc. 346,894; June 8.
Vaporizers for scalp treatment. Electro-steam. Electro-Rest Manufacturing Co. 346,714; June 8; Serial No. 380,472; published Mar. 30, 1937.

CLASS 45

Beverage. S. A. Wald. 346,852; June 8; Serial No. 388,077; published Mar. 23, 1937.
Drinks with lemon flavor and extracts and concentrated fruit syrup used in preparation, Carbonated soft. Natural Set Up Sales Corporation. 346,867; June 8; Serial No. 388,405; published Mar. 30, 1937.
Water and beverages and syrups and extracts for making the same, Spring. Ozone Co. 346,857; June 8; Serial No. 388,276; published Mar. 30, 1937.

CLASS 46

Bread. Helms Bakeries. 346,730; June 8; Serial No. 383,504; published Mar. 30, 1937.
Candy. Shotwell Manufacturing Co. 346,891; June 8.
Candy. Waverly Cocoa & Chocolate Co. 346,835; June 8; Serial No. 387,761; published Mar. 30, 1937.
Canned food made from toasted wheat embryo. Hiram Lamphear & Company. 346,738; June 8; Serial No. 384,728; published Mar. 30, 1937.
Canned fruits, tomato juice, and vegetables. Curtice Brothers Co. 346,890; June 8.
Cereals, Breakfast. Fleming & Company. 114,736; renewed Jan. 2, 1937.
Cheese, Cream. Harmonsburg Creamery Co. 346,698; June 8; Serial No. 340,713; published Oct. 9, 1934.
Chocolate fudge, Frozen. Borden Company. 346,803; June 8; Serial No. 387,491; published Mar. 30, 1937.
Coffee. Loblaw Groceterias, Inc. 346,713; June 8; Serial No. 379,479; published Mar. 30, 1937.
Crackers, biscuits, and cakes. Loose-Wiles Biscuit Company. 346,794–5; June 8; Serial Nos. 387,333–4; published Mar. 30, 1937.
Flour, Wheat. Hogan Milling Company. 346,893; June 8.
Flour, Wheat. Wenatchee Milling Co. 117,622; renewed July 17, 1937.
Foods, Cereal breakfast. Kellogg Company. 346,700; June 8; Serial No. 371,596; published Feb. 11, 1936.
Fruits, Fresh. B. B. Krasnow. 346,770; June 8; Serial No. 386,733; published Mar. 30, 1937.
Fruits, Fresh deciduous. Frank Jill, Inc. 346,742; June 8; Serial No. 385,043; published Mar. 30, 1937.
Honey, Cuban. Cuban Health Products, Inc. 346,743; June 8; Serial No. 385,133; published Dec. 15, 1936.
Ice cream, sherbets, and ice cream bars, etc. M. L. Graham. 346,722; June 8; Serial No. 382,154; published Mar. 30, 1937.
Nuts, Nutty Nut Stores. 346,897; June 8.
Olive oil. S. Saputo. 346,703; June 8; Serial No. 373,701; published Mar. 30, 1937.
Pork bellies and eggs, Dry salt fancy square cut. East Tennessee Packing Company. 346,744; June 8; Serial No. 385,138; published Mar. 30, 1937.
Sodium chloride tablets. Standard Safety Equipment Co. 346,721; June 8; Serial No. 382,140; published Mar. 30, 1937.
Vegetables, Fresh. C. Barber. 346,902; June 8.
Wafers flavored with cheese and celery. Laurel Biscuit Company. 346,853; June 8; Serial No. 388,139; published Mar. 30, 1937.

CLASS 47

Wine. C. A. Hammer. 346,709; June 8; Serial No. 377,686; published Aug. 25, 1936.

CLASS 48

Beer. Atlas Brewing Company. 346,720; June 8; Serial No. 381,749; published Mar. 2, 1937.
Beer. Missoula Brewing Co. 346,864; June 8; Serial No. 388,361; published Mar. 30, 1937.
Beverage, Malt. Independent Milwaukee Brewery. 346,789; June 8; Serial No. 387,187; published Mar. 30, 1937.
Beverages and beer, Malt. Frederick Bros., Inc. 346,848; June 8; Serial No. 387,998; published Mar. 30, 1937.

CLASS 49

Gin. Sazerac Company. 346,779; June 8; Serial No. 386,912; published Mar. 30, 1937.
Gin, whiskey, rum, etc. Old Collins Company, Inc., Distillers. 346,885; June 8; Serial No. 389,147; published Mar. 30, 1937.
Rum. Schieffelin & Co. 346,812; June 8; Serial No. 387,564; published Mar. 30, 1937.
Whiskey. Woodford County Distillery Co. 346,872; June 8; Serial No. 388,474; published Mar. 30, 1937.
Whiskey, gin, and liqueurs. L. E. Jung & Wulff Company. 346,751; June 8; Serial No. 385,843; published Mar. 30, 1937.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 346,850; June 8; Serial No. 388,048; published Mar. 30, 1937.

CLASS 50

Cotton duck, Water resistant. Martin Dyeing & Finishing Company. 346,783; June 8; Serial No. 386,956; published Mar. 30, 1937.
Cotton fabrics dyed and waterproofed for sport and outdoor clothing purposes. William L. Barrell Company. 346,781; June 8; Serial No. 386,928; published Mar. 30, 1937.
Ladders and scaffold equipment. Uecker Equipment Company. 346,868; June 8; Serial No. 388,422; published Mar. 30, 1937.

LIST OF LABELS

Aurea Linda Wash. For Washing Fluid. Linda Corporation. 49,396; June 8.
Fish-Dust. For a Preparation for Exterminating Silver Fish. H. G. Hutson. 49,394; June 8.
Kenmore Certified Five Year Sheets and Cases. For Sheets and Pillow Cases. Levine & Yagolnitzer. 49,395; June 8.
Klean-It. For a Cleaner. O. A. Potts. 49,403; June 8.
Magic Spray. For a Spray for Killing Insects. Magical Chemical Co. 49,398; June 8.
Markwell Plier Type Fastener for Office, Warehouse, and Factory. For Fasteners. Markwell Manufacturing Company. 49,400; June 8.
Markwell RX46 Plier Type Fastener. For Fasteners. Markwell Manufacturing Company. 49,401; June 8.
Oxy-Quin. For Medicated Cream. Lucky Tiger Manufacturing Company. 49,397; June 8.
Pennsylvania Beverages. For Pale Dry Ginger Ale. Pennsylvania Bottling & Supply Co. 49,402; June 8.
Sunoco Motor Oil. For Motor Oil. Sun Oil Company. 49,404; June 8.
Victor Vapor Rub. For a Medicinal Preparation. Marco Products Company. 49,399; June 8.
Wizard Mop. For Polish Mops. Wizard, Inc. 49,405; June 8.

LIST OF PRINTS

Auto-Wear. For Belts for the Back and Stomach. L. A. Fritsch. 16,215; June 8.
Circle System of Drawing. For Printed Instructions in Drawing and Cartooning. R. A. Hershberger. 16,216; June 8.
Clipper Original Brushlesstik-Clipper The Original. 1 Aspirin Brushless Shaving Stick and Cream. For Shaving Sticks and Cream. Louangel Corporation. 16,218; June 8.
Good for Wood. For Under or Priming Coat for Wood, Cement, Plaster or Brick, and for a Filler, Sealer and Grain Raiser Inhibitor for Lumber and Ply-Wood. I. F. Laucks, Inc. 16,217; June 8.
Krimpets. For Cake. Tasty Baking Company. 16,221; June 8.
Scientific Achievements. For Medicines and Prescriptions. Frederick Stearns & Company. 16,220; June 8.
Stearns Eye-Mo. For Eye Lotion. Frederick Stearns & Company. 16,219; June 8.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adler, Charles, Jr., Baltimore, Md., assignor, by mesne assignments, to J. Q. Sherman, Dayton, Ohio. Air cooling attachment for electric fans. 20,393; June 8.
American Blower Corporation. (See Anderson, Edward L., assignor.)
Anderson, Edward L., Grosse Ile, Mich., assignor to American Blower Corporation, Detroit, Mich. Fan. 20,394; June 8.
Bowley, Raymond E., San Anselmo, Calif. Method and apparatus for tone compensation in sound reproducing apparatus. 20,395; June 8.
Ericson, Franklin R., and A. D. Somes, Marblehead, Mass., assignors to General Electric Company. Parallel flow turbine arrangement. 20,396; June 8.
General Electric Company. (See Ericson, F. R., and Somes, assignors.)
Germonprez, John A., Grosse Pointe Park, Mich., assignor to Uni-Flo Corporation. Register and grille. 20,397; June 8.
Globe Oil Tools Company. (See Stroud, Voet E., assignor.)
Hazeltine Corporation. (See Lewis, Harold M., assignor.)
Keever, William R., Sulphur Mine, La., assignor to The Union Sulphur Company. Removable straightening tool. 20,398; June 8.
Kelvinator Corporation. (See Misner, Edgar D., assignor.)
Leighton, John W., Port Huron, Mich. Link connection for automotive vehicles. 20,399; June 8.
Lewis, Harold M., Great Neck, N. Y., assignor to Hazeltine Corporation. Short wave converter. 20,400; June 8.
Miller, William J., Swissvale, Pa. Feeding and forming plastic material in the manufacture of pottery. 20,401; June 8.
Misner, Edgar D., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 20,402; June 8.
Sherman, John Q. (See Adler, Charles, Jr., assignor.)
Somes, Arthur D. (See Ericson, F. R., and Somes.)
Stroud, Voet E., Long Beach, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif. Straight hole drilling device. 20,405; June 8.
Ungerer, Fritz, Pforzheim-Protzinger, Germany. Adjustable supporting mechanism for straightening rolls of plate straightening machines. 20,403; June 8.
Ungerer, Fritz, Pforzheim-Protzinger, Germany. Plate straightening machine. 20,404; June 8.
Uni-Flo Corporation. (See Germonprez, John A., assignor.)
Union Sulphur Company, The. (See Keever, William R., assignor.)

LIST OF PLANT PATENTEES

Dreer, Henry A., Incorporated. (See Verschuren, Hendrikus A., assignor.)
Verschuren, Hendrikus A., near Uden, Netherlands, assignor to Henry A. Dreer, Incorporated, Philadelphia, Pa. Rose. 249; June 8.

LIST OF DESIGN PATENTEES

Alcoulombre, Vitalis, et al. (See Rogow, Louis, assignor.)
American Can Company. (See Shuttleworth, Vernis K., assignor.)
Andres, Lloyd J., Chicago, Ill., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich. Phonograph cabinet. 104,828; June 8.
Aro Equipment Corporation, The. (See Van Doren, H., and Little, assignors.)
Automatic Musical Instrument Company. (See Andres, Lloyd J., assignor.)
Beck, Mary, Minneapolis, Minn. Pad holder. 104,829; June 8.
Beverly, Brenton F., New York, N. Y. Glove. 104,830; June 8.
Bradley, Ralph A., Minneapolis, Minn., assignor to Butler Manufacturing Company, Kansas City, Mo. Trailer tank. 104,897; June 8.
Butler Manufacturing Company. (See Bradley, Ralph A., assignor.)
Campbell, Charles W., New York, N. Y. Stocking. 104,831; June 8.
Chaney, John L., and R. C. Wappner, Springfield, Ohio. Thermometer. 104,832; June 8.
Conklin Pen Company, The. (See Vavrik, Louis, assignor.)
Das, Elsie J., assignor to Watumull Brothers, doing business as East India Store, Honolulu, Hawaii. Wrapping paper or similar article. 104,833; June 8.
Decker, Christian F., 4th, Philadelphia, Pa. Bootjack. 104,834; June 8.
Dritz-Traum Co. (See Traum, Aaron, assignor.)
Dunnock, John L., assignor to Swindell Brothers, Incorporated, Baltimore, Md. Bottle. 104,835; June 8.
Duro Metal Products Company. (See McNaught, Norris F., assignor.)
East India Store. (See Das, Elsie J.)
Ebeling, Henry O., assignor to Ebeling & Reuss, Inc., Philadelphia, Pa. Plate or similar article. 104,836; June 8.
Ebeling, Henry O., assignor to Ebeling & Reuss, Inc., Philadelphia, Pa. Platter or similar article. 104,837; June 8.
Ebeling & Reuss, Inc. (See Ebeling, Henry O., assignor.)
Euromerica Medical Products, Inc. (See Rosengart, Sylvain, assignor.)
Felch, Carmen S., assignor to Ernest E. Weller, Providence, R. I. Buckle. 104,843; June 8.
Feldman, Abraham G., Chicago, Ill. Bed. 104,838; June 8.
Feldman, Abraham G., Chicago, Ill. Chiffarobe. 104,839; June 8.
Feldman, Abraham G., Chicago, Ill. Chest of drawers. 104,840; June 8.
Feldman, Abraham G., Chicago, Ill. Crib. 104,841; June 8.
Fischer, William H. (See Newnham, E., and Fischer.)
Fleitas, Juan F., Key West, Fla. Badge or similar article. 104,842; June 8.
Fuerst, Edwin W., assignor to Libbey Glass Company, Toledo, Ohio. Goblet. 104,844; June 8.
General Fireproofing Company, The. (See McKinley, W. H., and Johnson, assignors.)
Gibson Art Company, The. (See Heed, Samuel D., assignor.)
Goodman, Edwin R., Shaker Heights, assignor to Railley Corporation, Cleveland, Ohio. Wall bracket lamp. 104,845; June 8.
Goodman, Edwin R., Shaker Heights, assignor to Railley Corporation, Cleveland, Ohio. Wall bracket lamp. 104,846; June 8.
Goodman, Edwin R., Shaker Heights, assignor to Railley Corporation, Cleveland, Ohio. Wall bracket lamp. 104,847; June 8.
Goodman, Edwin R., Shaker Heights, assignor to Railley Corporation, Cleveland, Ohio. Wall bracket lamp. 104,848; June 8.
Gruen, John J., South Orange, assignor to Moore & Son, Inc., Newark, N. J. Finger ring. 104,849; June 8.
Gruen Watch Company, The. (See Katz, Benjamin S., assignor.)
Gulbransen Company. (See Zack, Samuel E., assignor.)
Hadley, Donald L., Mansfield, and C. A. Sipe, Shelby, Ohio, assignors to Westinghouse Electric & Manufacturing Company. Range or similar article. 104,850; June 8.
Hammer, Hyman C., assignor to Price Brothers, Inc., Chicago, Ill. Sign. 104,851; June 8.

Heed, Samuel D., assignor to The Gibson Art Company, Cincinnati, Ohio. Combination merchandise display rack and cabinet. 104,852; June 8.
Heim, Jacques, Paris, France. Textile fabric. 104,853; June 8.
Heim, Jacques, Paris, France. Textile fabric. 104,854; June 8.
Heim, Jacques, Paris, France. Textile fabric. 104,855; June 8.
Heim, Jacques, Paris, France. Textile fabric. 104,905; June 8.
Heim, Jacques, Paris, France. Textile fabric. 104,906; June 8.
Heim, Jacques, Paris, France. Textile fabric. 104,907; June 8.
Hensel, Charles, New York, N. Y. Alphabet and numeral cut-out sheet. 104,856; June 8.
Huelat, John H., New York, N. Y. Textile fabric. 104,909; June 8.
Imperial Brass Manufacturing Company, The. (See McIntosh, Robert D., assignor.)
Johnson, Eric M. (See McKinley, W. H. and Johnson.)
Kaplan, Walter F., San Francisco, Calif. Textile fabric. 104,857; June 8.
Kaplan, Walter F., San Francisco, Calif. Textile fabric. 104,858; June 8.
Kaplan, Walter F., San Francisco, Calif. Textile fabric. 104,859; June 8.
Kaplan, Walter F., San Francisco, Calif. Textile fabric. 104,860; June 8.
Katz, Benjamin S., assignor to The Gruen Watch Company, Cincinnati, Ohio. Display box. 104,861; June 8.
Knapp-Monarch Company. (See Newnham, E., and Fischer, assignors.)
Korengold, John A., Chicago, Ill. Bracket for an illuminating device. 104,862; June 8.
Lemmon, John E., St. Albans, N. Y., assignor to J. R. Wood & Sons, Inc., Brooklyn, N. Y. Mounting for rings. 104,863; June 8.
Lemmon, John E., St. Albans, N. Y., assignor to J. R. Wood & Sons, Inc., Brooklyn, N. Y. Mounting for rings. 104,864; June 8.
Levy, Albert E., New York, N. Y. Dress. 104,865; June 8.
Libbey Glass Company. (See Fuerst, Edwin W., assignor.)
Little, John McLeod. (See Van Doren, H., and Little.)
Lucas, Martin, Far Rockaway, N. Y. Condiment set. 104,898; June 8.
Mackelfresh, William E., Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Ashtray. 104,866; June 8.
Majewski, Joseph M., Jr., assignor to F. L. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Combined standard and hopper for a food shredder. 104,899; June 8.
Manaster, Ben B., Chicago, Ill. Fruit juicer. 104,900; June 8.
McIntosh, Robert D., River Forest, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Gauge. 104,867; June 8.
McKinley, William H., and E. M. Johnson, assignors to The General Fireproofing Company, Youngstown, Ohio. Lounge chair. 104,868; June 8.
McNaught, Norris F., assignor to Duro Metal Products Company, Chicago, Ill. Wrench. 104,869; June 8.
Michelson, Margaret, New York, N. Y. Dress ensemble. 104,870; June 8.
Minoff, Jack. Knitted fabric. 104,871; June 8.
Mitler, Morris, New York, N. Y. Tufted candlestick textile fabric. 104,901; June 8.
Mitler, Morris, New York, N. Y. Tufted candlewick textile fabric. 104,902; June 8.
Mitrani, Maurice, et al. (See Rogow, Louis, assignor.)
Moore & Son, Inc. (See Gruen, John J., assignor.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Heater. 104,872; June 8.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Heater. 104,873; June 8.
Morrell, Louis D., New York, N. Y. Shoe. 104,874; June 8.
Newnham, Eugene and W. H. Fischer, assignors to Knapp-Monarch Company, St. Louis, Mo. Food mixer. 104,875; June 8.
New York Progressive Wood Heel Corporation. (See Schwartz, Walter, assignor.)
Owens-Illinois Glass Company. (See Mackelfresh, William E., Jr., assignor.)
Perkins, Julian L., West Springfield, Mass. Drain board for wringers. 104,876; June 8.
Perugia, André, Paris, France. Shoe or similar article. 104,877; June 8.
Price Brothers, Inc. (See Hammer, Hyman C., assignor.)
Pro-phy-lac-tic Brush Company. (See Rabusen, Joseph, assignor.)
Rabusen, Joseph, New York, N. Y., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Brush back. 104,878; June 8.
Radeck, Gertrude, New York, N. Y. Dress. 104,903; June 8.
Railley Corporation. (See Goodman, Edwin R., assignor.)
Rival Manufacturing Company. (See Majewski, Joseph M., Jr., assignor.)
Rogow, Louis, assignor of one-half to Maurice Mitrani and Vitalis Alcouloumre, New York, N. Y. Apron. 104,879; June 8.
Rosenfield, Lewis L., Mattapan, Mass. Galter or similar article. 104,880; June 8.
Rosengart, Sylvain, Paris, France, assignor to Euromerica Medical Products, Inc., New York, N. Y. Combined bottle and eyecup. 104,881; June 8.
Ross, Ray, St. Louis, Mo. Necktie. 104,882; June 8.
Ryan, Benjamin J., Newark, N. J. Bath brush. 104,904; June 8.
Sands, Garry, Cleveland Heights, assignor to The Sands Manufacturing Company, Cleveland, Ohio. Water heating apparatus. 104,910; June 8.
Sands Manufacturing Company, The. (See Sands, Garry, assignor.)
Schwartz, Walter, New York, assignor to New York Progressive Wood Heel Corporation, Brooklyn, N. Y. Heel. 104,883; June 8.
Scurlock, Lewis H., Chicago, Ill. Multiple compartment refrigerator container unit. 104,884; June 8.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Selje, Frederick A., Grosse Pointe, Mich. Air conditioning control panel. 104,885; June 8.
Shuttleworth, Vernis K., Scarsdale, assignor to American Can Company, New York, N. Y. Lunch basket or analogous article. 104,886; June 8.
Sipe, Clifford A. (See Hadley, D. L., and Sipe.)
Sipe, Clifford A., Shelby, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Range or similar article. 104,887; June 8.
Stoddard, Ray F., Dayton, Ohio. Automotive signal lens. 104,888; June 8.
Straus, Sylvan M., Gloversville, N. Y. Glove. 104,908; June 8.
Swindell Brothers, Incorporated. (See Dunnock, John L., assignor.)
Talge, Foster L. (See Majewski, Joseph M., Jr., assignor.)
Traum, Aaron, Bronx, assignor to Dritz-Traum Co., Inc., New York, N. Y. Table scarf. 104,911; June 8.
Tucker, Irvin L., Cedar Rapids, Iowa. Combined gas dispenser and canopy. 104,889; June 8.
Van Doren, Harold, and J. McL. Little, Toledo, assignors to The Aro Equipment Corporation, Bryan, Ohio. Lubrican dispensing apparatus or similar article. 104,890; June 8.
Van Doren, Harold, and J. McL. Little, Toledo, assignors to The Aro Equipment Corporation, Bryan, Ohio. Lubricant apparatus cabinet or similar article. 104,891; June 8.
Van Doren, Harold, and J. McL. Little, Toledo, assignors to The Aro Equipment Corporation, Bryan, Ohio. Lubricant dispensing apparatus or similar article. 104,892; June 8.
Vavrik, Louis, assignor to The Conklin Pen Company, Toledo, Ohio. Fountain pen holder desk unit. 104,893; June 8.
Villas, John D., Minneapolis, Minn. Steering wheel. 104,894; June 8.
Wappner, Ralph C. (See Chaney, J. L., and Wappner.)
Watumull Brothers. (See Das, Elsie J., assignor.)
Weller, Ernest E. (See Felch, Carmen S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hadley, D. L., and Sipe, assignors.)
Westinghouse Electric & Manufacturing Company. (See Sipe, Clifford A., assignor.)
Wood, J. R., & Sons, Inc. (See Lemmon, John E., assignor.)
Zack, Samuel E., assignor to Gulbransen Company, Chicago, Ill. Piano case. 104,895; June 8.
Zack, Samuel E., assignor to Gulbransen Company, Chicago, Ill. Piano case. 104,896; June 8.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrams, Cecil P., Anoka, assignor to C. L. Horn, Minneapolis, Minn. Heating-cooling device for automobiles. 2,082,998; June 8.
Acheson Colloids Corporation. (See Willson, George F., assignor.)
Acken, Marshall F., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of diaryl amines. 2,082,815; June 8.
Ackshand Knitting Co. (See Buchholz, William C., assignor.)
Adams, Gilbert E., and E. C. Marshall, Gary, Ind. Control system for electric motors. 2,082,816; June 8.
Adams, Hector D., Brisbane, Queensland, Australia. Tennis racket. 2,082,772; June 8.
Adams, Renard P., Buffalo, N. Y. Filtering apparatus. 2,083,183; June 8.
Adams, William G., Richmond, Va. Method and apparatus for building subaqueous foundations. 2,082,773; June 8.
Addressograph-Multigraph Corporation. (See Gollwitzer, Walter T., assignor.)
Agerell, William C., and H. Asher, Chicago, Ill. Dispensing container. 2,083,135; June 8.
Aiken, Charles B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio direction finding system. 2,083,416; June 8.
Air Reduction Company. (See McKiernan, James D., assignor.)
Akron Standard Mold Company, The. (See Bostwick, Henry C., assignor.)
Alco Products, Incorporated. (See Petty, Earl, assignor.)
Alder, William F., Altadena, assignor of one-half to R. P. Merritt, individually, and one-half to said Merritt as trustee, Fresno, Calif. Method, apparatus, and motion picture for simulating relative distances of objects in picturization on a plane surface. 2,082,781; June 8.
Alderfer, Sterling W., assignor of one-half to E. D. Andrews, Akron, Ohio. Apparatus for the manufacture of articles direct from latex solution. 2,083,211; June 8.
Alexander, Joseph F., assignor of forty-nine per cent to C. L. George, Wichita, Kans. Radiator water filter. 2,082,866; June 8.
Alink, Roelof J. H., assignor to N. V. Philips, Gloeilampenfabrieken, Eindhoven, Netherlands. Carrier comprising a diazonium compound and obtaining contrasts. 2,083,285; June 8.
Allen, Alfred G., Deadwood, S. Dak. Vacuum tenaculum. 2,082,782; June 8.
Allen, George E. (See Thomas, J. A., and Allen.)
Allentown Bobbin Works, Inc., The. (See Mack, Harry C., assignor.)
Allis-Chalmers Manufacturing Company. (See Dortort, Isadore K., assignor.)
Allis-Chalmers Manufacturing Company. (See Winograd, Harold, assignor.)
Alther, Joseph G., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,083,212; June 8.
American Bemberg Corporation. (See Bauriedel, G., and Heger, assignors.)
American Blower Corporation. (See Anderson, Edward L., assignor.)
American Gypsum Co., The. (See Haydon, Osborne, assignor.)
American Hoist and Derrick Company. (See Ljungkull, Rolf E., assignor.)
American Laundry Machinery Company, The. (See Singiser, John P., assignor.)
American Laundry Machine Company, The. (See Vetorino, Frank, assignor.)
American Machine & Foundry Company. (See Ferencl, Lester, assignor.)
American Optical Company. (See Splaine, Edward M., assignor.)
American Sales Book Company. (See Conklin, De Witt L., assignor.)
American Sheet and Tin Plate Company. (See Croft, G. M., and Hunter, assignors.)
American Sheet and Tin Plate Company. (See Lorig, Edwin T., assignor.)
American Sheet and Tin Plate Company. (See Romig, Orlando E., assignor.)
American Steel and Wire Company of New Jersey, The. (See Greene, Guy G., assignor.)
American Steel Foundries. (See Hedgcock, W. C., and Cottrell, assignors.)
American Telephone and Telegraph Company. (See Durand, Samuel R., assignor.)
American Telephone and Telegraph Company. (See Schneckloth, Harry H., assignor.)
American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)
American Type Founders, Inc. (See Seybold, Frederick W., assignor.)
Andersen, Jorgen C., assignor of three-fourths to T. Christie, Rochester, N. Y. Cutting device. 2,082,867; June 8.
Anderson, Charles A., New Rochelle, and M. Tobin, assignors to The Gotham Pressed Steel Company, New York, N. Y. Game board. 2,083,108; June 8.
Anderson, Edward L., assignor to American Blower Corporation, Detroit, Mich. Fan. 2,083,184; June 8.
Anderson, Edward L., assignor to American Blower Corporation, Detroit, Mich. Fan. 2,083,185; June 8.
Anderson, Edward L., assignor to American Blower Corporation, Detroit, Mich. Fan. 2,083,186; June 8.
Anderson, Edward L., assignor to American Blower Corporation, Detroit, Mich. Fan. 2,083,187; June 8.
Anderson, Fred B. (See Armstrong, T. N. Jr., and Anderson.)
Anderson, Helmer, assignor to General Mills, Inc., Minneapolis, Minn. Bag closing and sealing machine. 2,083,417; June 8.
Anderson, John P., Koppel, assignor, by mesne assignments, to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Dump car. 2,083,136; June 8.
Anderson, Leslie J., Westmont, N. J., assignor to Radio Corporation of America. Combined picture and sound recording apparatus. 2,083,355; June 8.
Anderson, Samuel M. (See Hamilton, F. J., and Anderson.)
Anderson, William T., Jr., Newark, and C. J. Larsen, East Orange, assignors to Hanovia Chemical and Manufacturing Company, Newark, N. J. Ultraviolet ray apparatus. 2,082,934; June 8.
Andrews, Arthur B., Auburn, Maine. Sampling tool for pulp or the like. 2,083,418; June 8.
Andrews, Cyril M., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Clamping mechanism. 2,083,419; June 8.
Andrews, Edward D. (See Alderfer, Sterling W., assignor.)
Angel, Jay C., East Cleveland, Ohio. Refinishing device for faucet valve seats. 2,082,999; June 8.
Apablasa, Cayetano J., Los Angeles, Calif. Precious metal trap. 2,083,485; June 8.
Applegate, Robert R., Shaker Heights, Ohio. Method and apparatus for welding. 2,083,309; June 8.
Armstrong, Edwin H., New York, N. Y. Radio signaling system. 2,082,935; June 8.
Armstrong, Thomas N., Jr., and F. B. Anderson, Portsmouth, Va. Making alloy steels. 2,082,783; June 8.
Arnold, Gustav, Wadenswil, assignor, by mesne assignments, to E. von Orelli, Zurich, Switzerland. Producing a concentrate of chrome ores. 2,082,817; June 8.
Aro Equipment Corporation, The. (See Ginter, Charles W., assignor.)
Artistic Foundations, Inc., et al. (See Butow, Abe M., assignor.)
Asher, Harold. (See Agerell, W. C., and Asher.)
Asch, Werner. (See Hess, F., Hager, and Asch.)
Atchisson, Charles H., St. Louis, Mo., assignor to Electrical Research Products, Inc., New York, N. Y. Coupling means for piezoelectric crystal elements. 2,083,420; June 8.
Atlantic Refining Company, The. (See Birch, Arthur E., assignor.)
Atwell, Henry G., Lake Villa, Ill. Ball catching and pitching machine. 2,082,818; June 8.
Auto Hublight Company, The. (See Brown, Elvers H., assignor.)
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Badger Meter Manufacturing Company. (See Krueger, Emil M., assignor.)
Baehr, Hans, and K. Braus, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Recovery of hydrogen sulphide from gases. 2,083,213; June 8.
Bailey, Jesse J., Houston, Tex. Railway tie. 2,083,109; June 8.
Bailey, William B., Olympia, Wash. Threshold weather strip. 2,083,421; June 8.
Baird, William, C. R. Mavin, and A. G. Murray, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Preparing 4,4'-dialkoxy diphenylamines. 2,083,214; June 8.

Bakelite Corporation. (See Hanson, Norman D., assignor.)
Bakelite Corporation. (See Shuey, Ralph C., assignor.)
Baker, Chester L., Berkeley, Calif., assignor to Philadelphia Quartz Company, Philadelphia, Pa. Detergents and making the same. 2,082,936; June 8.
Balaban, Alexander, New York, N. Y. Photographic diffusing device for enlarging and projection printing. 2,083,215; June 8.
Baldwin, Francis J., Ravenna, Ohio. Wheel hub unit. 2,083,188; June 8.
Ball Brothers Company. (See Milner, Edwin E., assignor.)
Balle, Gerhard. (See Steindorff, A., Balle, Heimke, and Horst.)
Ballou, Holden P., assignor of fifty per cent to N. G. Hynes, Hartford, Conn. Flush valve. 2,083,486; June 8.
Bambeneck, Joseph B., assignor to Peerless Chain Company, Winona, Minn. Emergency chain unit. 2,082,937; June 8.
Banning, Thomas A., Jr., Wilmette, assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Vehicle air conditioning system. 2,083,286; June 8.
Barber, Edward. Palatka, Fla. Lineman's boot. 2,083,310; June 8.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Web perfecting rotary printing press. 2,083,110; June 8.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Web perfecting rotary printing press. 2,083,112; June 8.
Barco Manufacturing Co. (See Gray, Thomas C., assignor.)
Barnes Drill Company. (See Johnson, Albert M., assignor.)
Barnes Drill Co. (See Johnson, A. M., and Fairbairn, assignors.)
Barrett Company, The. (See Sutherland, Leslie T., assignor.)
Barton, Loy E., Collingswood, N. J., and C. C. Chambers, Lansdowne, Pa., assignors to Radio Corporation of America. Mutual conductance meter. 2,083,357; June 8.
Bartunek, Richard. (See Stoeckley, J. J., and Bartunek.)
Basile, Anthony and V. L., Far Rockaway, N. Y. Garage door. 2,082,774; June 8.
Basile, Victor L. (See Basile, Anthony and V. L.)
Bassett, Preston R., Rockville Centre, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Binaural system of blind landing. 2,083,491; June 8.
Bassick Company, The. (See Herold, Walter F., assignor.)
Bastable, Edward H., Jamaica Plains, Mass. Manufacture of shoes. 2,083,137; June 8.
Baston, Sidney C., Eggertsville, N. Y. Lily of the valley plant. 250; June 8.
Batdorf, Seymour, Lancaster, Pa., assignor to Liberty Can and Sign Company. Box. 2,083,356; June 8.
Baumgartner, Aloysius C. (See Grosse, A. F., and Baumgartner.)
Bauriedel, Gotthard, Wuppertal-Barmen, and F. Heger, Wuppertal-Oberbarmen, Germany, assignors to the firm American Bemberg Corporation, New York, N. Y. Apparatus for supplying spinning solution to artificial silk spinning machines. 2,083,512; June 8.
Bazeley, Arthur J., Shaker Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 2,083,422; June 8.
Beccard, Emil B., St. Louis, Mo., assignor to The International Printing Ink Corporation, New York, N. Y. Roller mill. 2,082,819; June 8.
Bechik, Michael. (See Bronstien, Edward L., assignor.)
Becker, Hazen K. (See Jurgens, E. G., and Becker.)
Becker, Otto F., Corona, N. Y. Reenforced bucket. 2,083,138; June 8.
Becker, Rudolph, North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Straw-braid sewing machine. 2,082,784; June 8.
Bell, Dillwyn M., River Forest, assignor to Dudley Lock Corporation, Chicago, Ill. Key and permutation operated door lock. 2,083,358; June 8.
Bell, John F., Cape May Court House, N. J. Sanitary toothbrush container with antiseptic vial. 2,083,487; June 8.
Bell Telephone Laboratories, Incorporated. (See Aiken, Charles B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Black, H. S., and Edson, assignors.)
Bell Telephone Laboratories, Incorporated. (See Harley, John B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hardesty, J. M., and Lawson, assignors.)
Bell Telephone Laboratories, Incorporated. (See Holdaway, Vivian L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Jutsen, R. P., and Trucksess, assignors.)
Bell Telephone Laboratories, Incorporated. (See Kuch, Frederick C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Moore, Charles R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Newhouse, R. C., and Tinus, assignors.)
Bell Telephone Laboratories, Incorporated. (See Ronci, Victor L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Saul, George N., assignor.)
Belloch, Morris, Brooklyn, N. Y. Clasp or the like. 2,082,938; June 8.
Benade, Walther, Dessau in Anhalt, E. Fischer, Bad Soden in Taunus, and M. Raeck, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Monoazo dyes. 2,083,216; June 8.
Benedict, Frank, Rutherford, N. J., assignor to General Railway Signal Company, Rochester, N. Y. Train describer system. 2,083,488; June 8.
Bennard, Joseph, Portland, Oreg. Boxlike container. 2,083,000; June 8.
Bennett, Albert L. (See Malinovszky, A., and Bennett.)
Bennett, Frank I., Jr., Highland Park, N. J., assignor to The Revolite Corporation, New Brunswick, N. J. Heat hardening synthetic resins. 2,083,423; June 8.
Benscheidt, Karl, Jr., Alfeld-on-the-Leine, Germany. Dowel for lasts. 2,083,111; June 8.
Benson, Jesse M., assignor of one-half to J. A. Gheen, Concord, Tenn. Winch. 2,083,489; June 8.
Benson, John H., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Evaporator unit. 2,083,424; June 8.
Bentley, Wilton. (See Cardoza, John B. N., assignor.)
Bergaud, Felicie E. A. W., Paris, France. Carton for shipping and storing boxes, bottles, etc. 2,083,113; June 8.
Bergstrom, Carl P. (See Herard, A. J., Jr., and Bergstrom.)
Bersted, Martin, Oak Park, Ill. Pencil sharpener. 2,082,785; June 8.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,082,775; June 8.
Beusch, Willi, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Motor operated switch. 2,083,425; June 8.
Bichowsky, Francis R. (See Branche, N. T., and Bichowsky.)
Bierer, John M., Newton, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Pressure band for vulcanizing machines. 2,083,527; June 8.
Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Central lubricating system. 2,082,786; June 8.
Birch, Arthur E., Lansdowne, assignor to The Atlantic Refining Company, Philadelphia, Pa. Removing dispersed residual blackstrap. 2,082,787; June 8.
Bird, Lester F., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Starting circuit for vapor electric devices. 2,082,939; June 8.
Birkenstein, Ferdinand, Frankfort-on-the-Main, Germany. Frames of spectacles and the like. 2,083,287; June 8.
Bischoff, Robert. (See Brisbane, E. C., and Bischoff.)
Black, Harold S., Elmhurst, and J. O. Edson, Great Kills, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical indicating or measuring system. 2,083,495; June 8.
Black, Warren G., Cleveland, Ohio. Treatment of lubricants. 2,083,139; June 8.
Blake, Dennis E. D., assignor of one-half to D. E. Willard, Danville, Ill. Brake control apparatus. 2,082,776; June 8.
Blechman, Irving, Bronx, assignor to Odera Company, Inc., New York, N. Y. Sectional container. 2,083,114; June 8.
Blitzer, Jacob H., assignor to Lightoller Company, New York, N. Y. Lighting unit. 2,083,426; June 8.
Bloomer Bros. Company. (See Inman, William H., assignor.)
Board, William S., Middleport, Ohio. Pipe coupling. 2,082,868; June 8.
Bockmühl, Max, G. Ehrhart, and L. Stein, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Amino alcohols. 2,083,001; June 8.
Bohn Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)
Boker, Vitus A., Minneapolis, Minn. Laying-out device. 2,083,490; June 8.
Bone, Herbert L. (See Young, H. S., and Bone.)
Bone, Herbert L., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Track rail contactor. 2,083,288; June 8.
Bone, Hugh M. (See Williams, R. C., and Bone.)
Bonhôte, Géraid, and A. Wirz, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Diazonium salts. 2,083,311; June 8.
Booth, Clement, Cincinnati, Ohio, assignor to Cincinnati Grinders, Incorporated. Grinding machine. 2,083,115; June 8.
Boston Woven Hose & Rubber Company. (See Bierer, John M., assignor.)
Boston Woven Hose & Rubber Company. (See Knowland, Thomas M., assignor.)
Bostwick, Henry C., Coventry Township, Summit County, assignor to The Akron Standard Mold Company, Akron, Ohio. Tire building form. 2,083,289; June 8.
Bostwick Steel Lath Company, The. (See Hurlbert, William G., Jr., assignor.)
Bouvier, Paul, and R. Villen, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Antenna arrangement. 2,082,820; June 8.

Bradshaw, William H., Buffalo, and G. P. Hoff, Kenmore, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Rotating guide. 2,083,251; June 8.
Bradshaw, William H., Buffalo, and G. P. Hoff, Kenmore, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing artificial thread. 2,083,252; June 8.
Bragg, Russell L., Chicago, Ill. Window cleaner. 2,082,821; June 8.
Brake Equipment & Supply Co. (See Pratt, B., and Weinreich, assignors.)
Branch, Samuel G., assignor of one-third to C. F. Peterson, Middletown, Conn. Hair clipper. 2,083,359; June 8.
Branch, Nelson T., Toledo, and F. R. Bichowsky, Ottawa Hills, assignors to Surface Combustion Corporation, Toledo, Ohio. Air conditioning system. 2,083,002; June 8.
Brantingson, Sigurd, Palisades Park, N. J., assignor to Francis Keil & Son, Inc. Hinge construction. 2,083,140; June 8.
Braus, Karl. (See Baehr, H., and Braus.)
Brayer Brothers Construction Corporation. (See Brayer, Edward H., assignor.)
Brayer, Edward H., assignor to Brayer Brothers Construction Corporation, Buffalo, N. Y. Meter. 2,082,788; June 8.
Brent, John T., New York, N. Y. Protective awning. 2,082,777; June 8.
Brinkman, William C., Chicago, Ill. Mixing valve. 2,083,360; June 8.
Brisbane, Eugene C., Denver, Colo., and R. Bischoff, assignors to S. Morgan Smith Company, York, Pa. Fluid control means. 2,082,940; June 8.
Bristol Aeroplane Company, The. (See Fedden, A. H. R., and Owner, assignors.)
Bronstien, Edward L., assignor to M. Bechik, St. Paul, Minn. Mattress handle. 2,083,361; June 8.
Brothers, Abe R. (See Brothers, Edwin I. and A. R.)
Brothers, Edwin I. and A. R., Brooklyn, N. Y. Prophylactic device for the oral cavity. 2,083,217; June 8.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Thread cutting temple. 2,083,496; June 8.
Brown, Charles S., Syracuse, N. Y. Air-cooled V-type internal combustion engine. 2,082,869; June 8.
Brown, Elvers H., Gauley Bridge, W. Va., assignor to The Auto Hublight Company, Charlottesville, Va. Wheel hub light. 2,083,514; June 8.
Brown, Robert S., New Britain, and W. B. Retz, Plainville, assignors, by mesne assignments, to The New Britain Machine Company, New Britain, Conn. Metal-working machine. 2,083,312; June 8.
Brown, William Y., Charlotte, assignor of one-third to W. C. Honeycutt, Black Mountain, and one-third to R. H. Garland, Charlotte, N. C. Vehicular signal. 2,082,778; June 8.
Bruhn, George J., Great Neck, N. Y., assignor to Nu-Prong Fastener Corporation, Harrison, N. J. Machine for attaching staple fasteners to cards. 2,082,822; June 8.
Brunner, Albert, assignor to Wagner Electric Corporation, St. Louis, Mo. Burring tool. 2,083,427; June 8.
Bryant, Charles E., assignor to Frank Holton and Company, Elkhorn, Wis. Valve action mechanism for wind instruments. 2,083,048; June 8.
Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Recording mechanism. 2,083,362; June 8.
Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Electric time system. 2,083,363; June 8.
Buchholz, William C., assignor to Ackshand Knitting Co., Inc., Ballston Spa., N. Y. Knitted article and producing same. 2,082,779; June 8.
Büchi, Alfred, Winterthur, Switzerland. Internal combustion engine. 2,082,780; June 8.
Buck, Lucien, Manchester, Conn. Apparatus for conditioning sheet material. 2,083,141; June 8.
Buck, Lucien, Manchester, Conn. Apparatus for conditioning sheet material. 2,083,142; June 8.
Budd, Edward G., Manufacturing Company. (See Budd, Edward G., assignor.)
Budd, Edward G., Manufacturing Company. (See Dean, Albert G., assignor.)
Budd, Edward G., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pneumatic tire and reenforcing material therefor. 2,083,003; June 8.
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Budd Wheel Company. (See Farr, Warren H., assignor.)
Budowski, Isaar, Paris, France. Refining hydrocarbons. 2,083,253; June 8.
Bunting Brass & Bronze Company. (See Evans, Robert G. N., assignor.)
Bunting Brass and Bronze Company, The. (See Yager, G. F., Heath, and Wagner, assignors.)
Burge, Floyd O., assignor to South Bend Bait Company, South Bend, Ind. Fishing fly and producing same. 2,083,513; June 8.
Burgel, Joseph, Strasbourg, France. Fancy tile fixing means. 2,083,116; June 8.
Burkart, William J., Greensburg, assignor to Thomas Hahessey, Pittsburgh, Pa. Connecter. 2,083,528; June 8.
Burke, John H. Q., Oklahoma City, Okla. Method of and apparatus for automatically distributing air blast to ore smelting furnaces. 2,083,046; June 8.
Burks, Alberta D. (See Harden, W. A., and Burks.)
Burnside, James H., 2nd, New York, N. Y. Counting apparatus operated by radiant energy. 2,082,941; June 8.
Butow, Abe M., assignor of one-half to Artistic Foundations, Inc., and one-half to A. Seidner, New York, N. Y. Garment closure. 2,083,047; June 8.
Butterworth, H. W., & Sons Company. (See Hetherington, Robert, assignor.)
Byers, Laud S., Glendale, assignor, by mesne assignments, to Halafax Explosive Company, Los Angeles, Calif. Explosives. 2,083,143; June 8.
Byers, Laud S., Glendale, assignor, by mesne assignments, to Halafax Explosives Company, Los Angeles, Calif. Blasting explosive. 2,083,144; June 8.
Byron, Kenneth M., Detroit, Mich. Trailer. 2,083,049; June 8.
Caffrey, James H., Buffalo, N. Y. Garbage incinerator. 2,082,870; June 8.
Caille, Georges, Vaujours, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Automatic signaling system for railways. 2,083,290; June 8.
California Spray-Chemical Corporation. (See Sessions, Alwyn C., assignor.)
Calleo, Joseph, Endicott, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole and sole fitting. 2,082,823; June 8.
Callery, Joseph C., and J. S., Cleveland Heights, Ohio. Boiler water conditioning system. 2,082,871; June 8.
Callery, Joseph S. (See Callery, J. C. and J. S.)
Cameron Iron Works. (See Hampton, Harry D., assignor.)
Campagne Generale de Telegraphie Sans Fil. (See Bouvier, P., and Villem, assignors.)
Campbell, Michael F., Brighton, Colo. Oven insert heater. 2,083,145; June 8.
Camps, Juan P., Barcelona, Spain. Mechanism for the working and regulation of the Healds course. 2,083,291; June 8.
Cardoza, John B. N., assignor of one-half to W. Bentley, New York, N. Y. Stereoscope. 2,083,313; June 8.
Carrick Engineering Company. (See Pugsley, William H., assignor.)
Carson, Andy, Tampa, Fla. Carburetor. 2,083,428; June 8.
Carson, Benjamin R., Collingswood, N. J., assignor to Radio Corporation of America. Automatic stopping device. 2,083,314; June 8.
Carter, William, Lawrence, Kans. Mechanical toy. 2,083,218; June 8.
Case, Arthur F., assignor to The Wellman Engineering Company, Cleveland, Ohio. Car dumper. 2,082,942; June 8.
Casso, Fructuosa, San Antonio, Tex. Pattern drafting instrument. 2,083,315; June 8.
Castriana, Thomas A., Ossining, N. Y. Macaroni guitar. 2,083,429; June 8.
Cate, Malcolm S., assignor to Hood Rubber Company, Inc., Watertown, Mass. Shoe last. 2,083,146; June 8.
Cawley, Aloysius J., Pittston, Pa. Diavision. 2,083,292; June 8.
Celanese Corporation of America. (See Olpin, H. C., and Ellis, assignors.)
Chaffee, Edmund L., Pasadena, Calif. Tank. 2,083,491; June 8.
Chamberlin, Coleman R. and W. S., New York, N. Y. Filing device. 2,083,050; June 8.
Chamberlin, Willis S. (See Chamberlin, Coleman R., and W. S.)
Chambers, Carl C. (See Barton, L. E., and Chambers.)
Chambers, William E., West Chester, Pa. Machine for slicing mushrooms. 2,082,872; June 8.
Champlin, Silas H., San Leandro, assignor to The Nielson Corporation, Ltd., Oakland, Calif. Vegetable steamer. 2,083,293; June 8.
Chapas, Steven J., Boston, Mass. Airship. 2,083,051; June 8.
Chappell, Marvin L. (See Hewes, C. K., and Chappell.)
Charter Drive, Inc. (See Charter, James A., assignor.)
Charter, James A., assignor to Charter Drive, Inc., Chicago, Ill. Engine starter. 2,082,873; June 8.
Charter, James A., assignor to Charter Drive, Inc., Chicago, Ill. Engine starter. 2,082,874; June 8.
Chase, Philip H., Bala-Cynwyd, Pa. Signal. 2,082,789; June 8.
Cherry, Oscar A., Chicago, Ill. Producing esters of phenols. 2,082,790; June 8.
Cheshire, John L., Jhansi City, India. Camera and film pack. 2,083,492; June 8.
Chicago Forging & Manufacturing Co. (See Mears, Norton A., assignor.)
Chicago Telephone Supply Co. (See Schellenger, Newton C., assignor.)
Chott, Edward L., Riverside, Ill. Dental alloy and making same. 2,083,052; June 8.
Christie, Theodore. (See Andersen, Jorgen C., assignor.)
Cincinnati Grinders Incorporated. (See Booth, Clement, assignor.)

Cirves, Francis J., Manistee, Mich. Bleaching pulp. 2,083,294; June 8.
Clark, Charles H., San Francisco, Calif. Propelling a boat by manpower. 2,083,004; June 8.
Clarkson, Octavia E., Santa Clara, Calif. Basting device for roasters. 2,083,147; June 8.
Clements, Arthur L., and N. R. Easter, Evanston, assignors to Dry-Zero Corporation, Chicago, Ill. Machine for producing wet adhesive tape strips. 2,083,219; June 8.
Cline, Earl E., assignor to Mueller Co., Decator, Ill. Fire hydrant. 2,083,054; June 8.
Cluett, Peabody & Co. (See Schreiner, George A., assignor.)
Clutter, Carl J., Normal and G. A. Lohnes, Bloomington, Ill. Brake for autos and trucks. 2,083,430; June 8.
Coal Treating & Equipment Company, The. (See Mau, George A., assignor.)
Coddington, Edwin D., Milwaukee, Wis., assignor to Reynolds Corporation, New York, N. Y. Composite studding. 2,083,055; June 8.
Cole, Homer L., Eldorado, Ill. Donkey's bray. 2,083,431; June 8.
Coleman, Henry H., assignor to Columbian Art Works, Milwaukee, Wis. Refill book. 2,083,432; June 8.
Collins, Charles H., Houston, assignor of one-fourth to H. E. Finger, Harris County, Tex. Chair. 2,083,053; June 8.
Columbian Art Works. (See Coleman, Henry H., assignor.)
Commons, Charles H. (See Kinzie, C. J., Plunkett, and Commons.)
Condit, Edward A., Montclair, N. J., assignor, by mesne assignments, to Poor & Company. Insulated rail joint. 2,083,316; June 8.
Conklin, DeWitt I., Syracuse, N. Y., assignor, by mesne assignments, to American Sales Company, Inc. Composite record assembly. 2,083,295; June 8.
Connelly, H. F., et al. (See Larson, Edward, assignor.)
Continental Can Company. (See Fink, Henry A., assignor.)
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Continental Can Company. (See Punte, William F., assignor.)
Cook, Charles B., Jr., West Hartford, Conn. Shield for anodese. 2,083,364; June 8.
Cook, Roland M. (See Elliott, G. R., and Cook.)
Copeland, Francis C. (See Mayer, Richard, assignor.)
Copeman, Lloyd G., Flint, Mich. Protective coating and applying and removing. 2,082,791; June 8.
Copper Roofs Corporation. (See Doe, Hans H., assignor.)
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Cottrell, Robert B. (See Hedgcock, W. C., and Cottrell.)
Coulombe, Joseph C., Del Mar, Calif. Oil filter. 2,083,148; June 8.
Cowles, Harry D., East Orange, N. J., assignor to Electro-Mechanical Research, Inc., Brooklyn, N. Y. Electrolytic device and electrolyte therefor. 2,083,254; June 8.
Cox, John C. (See Rose, J. R., Cox, and Maas.)
Cox, Leroy M., Anaheim, Calif. Closure for knock-out holes. 2,083,056; June 8.
Cramerton Mills. (See Hinson, Odus C., assignor.)
Crockett, Frank L., East Douglas, assignor to Whitin Machine Works, Whitinsville, Mass. Comber weighting system. 2,083,255; June 8.
Croft, George M., Dormont, and J. A. Hunter, Ben Avon, Pa., assignors to American Sheet and Tin Plate Company. Treating metals. 2,083,433; June 8.
Crompton & Knowles Loom Works. (See Dacey, Edward J., assignor.)
Crompton & Knowles Loom Works. (See Gordon, A. A., and Wattie, assignors.)
Crompton & Knowles Loom Works. (See Herard, A. J., Jr., and Bergstrom, assignors.)
Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
Crompton & Knowles Loom Works. (See Lindegren, C. J., and Olch, assignors.)
Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
Crompton & Knowles Loom Works. (See Robertson, William W., assignor.)
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Crompton & Knowles Loom Works. (See Wattie, William M., assignor.)
Crompton & Knowles Loom Works. (See Whitin, Herbert A., assignor.)
Crooker, Sylvan Jay, Leesburg, Va. Golf club. 2,083,189; June 8.
Cross, Herbert. (See Mancino, P. C., Cross, and Thebaud.)
Crump, Frank H., Los Angeles, Calif. Bookbinding. 2,083,434; June 8.
Cunningham, Leslie B. C., Eastchurch, Sheppey, England, assignor to Reversible Trailers Syndicate, Limited, London, England. Towing of vehicles. 2,083,057; June 8.
Cunningham, Stephen, New York, N. Y. Coin container clip. 2,083,117; June 8.
Curtin, William H., Oceanside, N. Y. Humidifying cabinet radiator. 2,082,824; June 8.
Czarnecki, Walter, assignor, by mesne assignments, to Eddington Metal Specialty Co., Eddington, Pa. Strainer. 2,083,005; June 8.
Dacey, Edward J., Philadelphia, Pa., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom for weaving tufted pile fabric. 2,082,875; June 8.
Dahlin, John, Virginia, Minn. Safety wedge cutter. 2,083,435; June 8.
Dällenbach, Walter, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands. Device controlled by radiated energy. 2,083,317; June 8.
Damrow, Edward C., assignor to Damrow Brothers Company, Fond du Lac, Wis. Cheese hoop. 2,083,318; June 8.
Damrow Brothers Company. (See Damrow, Edward C., assignor.)
Danielson, J. P., Co. (See Sundberg, Carl E., assignor.)
Danielson, J. P., Co. (See Tornebohm, Kenneth A., assignor.)
Davidson, William Ward, Evanston, Ill. Blank conveyer board. 2,083,296; June 8.
Daviet, August H., Hillside, N. J. Fire hydrant. 2,083,319; June 8.
Davis, Louis E., Fort Smith, Ark. Film developing holder. 2,082,876; June 8.
Dawson, John W. (See Gulliksen, F. H., and Dawson.)
Dawson, John W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding apparatus. 2,083,190; June 8.
Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Sheet metal beam. 2,082,792; June 8.
Dearborn Chemical Company. (See Gunderson, Lewis O., assignor.)
De Bothezat, George, New York, N. Y. Cooling system. 2,083,436; June 8.
Decarie Incinerator Corporation. (See Lewers, George R., assignor.)
Deems, Edward M., Forest Hills, N. Y., assignor to Railroad Accessories Corporation, New York, N. Y. Rail bond. 2,083,006; June 8.
De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, assignors to The Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,083,220; June 8.
De Groote, Melvin, St. Louis, assignor to Tret-O-Lite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,083,221; June 8.
De Groote, Melvin, St. Louis, assignor to Tret-O-Lite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,083,222; June 8.
De Groote, Melvin, St. Louis, assignor to Tret-O-Lite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,083,223; June 8.
De Groote, Melvin, St. Louis, assignor to Tret-O-Lite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,083,224; June 8.
De Groote, Melvin, St. Louis, assignor to Tret-O-Lite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,083,225; June 8.
Delaney, Myron E., Summit, N. J., assignor to Halowax Corporation, New York, N. Y. Potting composition. 2,083,007; June 8.
De Long, Darrol F., Charlotte, N. C., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,083,008; June 8.
Delvin, Hart E., Stanley, N. Y. Pump. 2,083,009; June 8.
De Madaler, Arthur, Hampton Bays, N. Y. Outboard motor. 2,083,437; June 8.
Dempster Mill Manufacturing Company. (See Loeber, Herman M., assignor.)
Dennison Manufacturing Company. (See Flood, Carl A., assignor.)
De Ropp, Harald W., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Urea synthesis. 2,083,010; June 8.
Detroit Gasket and Manufacturing Company. (See Tannewitz, Edward F., assignor.)
De Weal, André, Chicago, Ill. Direction indicator for X-ray exposures. 2,082,793; June 8.
De Weal, André, assignor to Leakproof Sprayer Co., Chicago, Ill. Spraying device. 2,083,058; June 8.
Dix, Ralph C., New York, N. Y. Roller attachment for lithographic machines. 2,083,497; June 8.
Dodge Manufacturing Corporation. (See Myers, Bernard L., assignor.)
Dodge, Ronald B., Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,083,365; June 8.
Doe, Hans H., assignor to Copper Roofs Corporation, Milwaukee, Wis. Roof laying scaffold. 2,083,320; June 8.
Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Coin counting machine. 2,083,256; June 8.
Dornier, Claude, assignor of one-half to Dornier-Metallbauten G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Girder for struts or the like. 2,083,226; June 8.

Dornier-Metallbauten G. m. b. H. (See Dornier, Claude, assignor.)
Dortort, Isadore K., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electron discharge device control system. 2,083,149; June 8.
Draper Corporation. (See Brown, Carl D., assignor.)
Draper Corporation. (See Rogers, Leonard M., assignor.)
Dry-Zero Corporation. (See Clements, A. L., and Easter, assignors.)
Dryer, Charles G. (See Lowry, C. D., Jr., and Dryer.)
Drypolcher, William, Valley Stream, assignor to Lou Obstfeld, Brooklyn, and A. I. Obstfeld, Bronx, N. Y. Stapling machine. 2,083,227; June 8.
Dube, John E., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Shaft sealing device. 2,083,438; June 8.
Ducommun, Jesse C., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Test hole device. 2,083,011; June 8.
Dudley Lock Corporation. (See Bell, Dillwyn M., assignor.)
Dunn, John S., F. R. Himsworth, Norton-on-Tees, and V. Lefebure, London, England, assignors to Imperial Chemical Industries Limited. Calcium sulphate plasters. 2,083,321; June 8.
Du Pont, E. I., de Nemours & Company. (See Acken, Marshall F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bradshaw, W. H., and Hoff, assignors.)
Du Pont, E. I., de Nemours & Company. (See de Ropp, Harald W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hahn, Frederick C., assignor.)
Du Pont, E. I., de Nemours & Company. (See McBurney, J. D., and Nollau, assignors.)
Durand, Samuel R., Milwaukee, Wis., assignor to American Telephone and Telegraph Company. Multiplex communication signaling system. 2,082,877; June 8.
Dutcher, Coles O., Utica, N. Y. Puzzle. 2,082,943; June 8.
Duttweiler, Bruno, Vevey, Switzerland, assignor to Raw Products Limited, London, England. Manufacture of processed cheese. 2,083,322; June 8.
Dux, Henry, Jacksonville, Fla. Bleaching and/or dyeing foliage. 2,083,191; June 8.
Dyment, Harry W., Cleveland, Ohio. Carton or package sealing machine. 2,083,257; June 8.
Eagle Pencil Company. (See Meilner, Joseph, assignor.)
Easter, Norman R. (See Clements, A. L., and Easter.)
Eastman Kodak Company. (See Malm, C. J., and Fordyce, assignors.)
Eastwood, Robert A., Weston, near Runcorn, England, assignor to Imperial Chemical Industries Limited. Degreasing apparatus. 2,083,012; June 8.
Easy Washing Machine Corporation. (See Nelson, Jabez C., assignor.)
Easy Washing Machine Corporation. (See Ringer, Luther, assignor.)
Eberhard, Heinrich, Berlin, Germany. Valve connection system. 2,083,192; June 8.
Ebert, Joseph F., Hollis, and E. M. Squire, Brooklyn, assignors to Signal Engineering & Manufacturing Company, New York, N. Y. Contact structure for electrical circuit controllers. 2,082,794; June 8.
Eckersley, Thomas L., Danbury, England, assignor to Radio Corporation of America. Radio communication system. 2,082,825; June 8.
Eddington Metal Specialty Co. (See Czarnecki, Walter, assignor.)
Edson, James O. (See Black, H. S., and Edson.)
Edwards & Company. (See Edwards, Robert S., assignor.)
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,083,323; June 8.
Edwards, Robert S., New Rochelle, N. Y., assignor to Edwards and Company, Inc. Alarm signal station. 2,083,324; June 8.
Ehrhart, Gustav. (See Bockmühl, M., Ehrhart, and Stein.)
Eickemeyer, Rudolf. (See Scholler, H., and Eickemeyer.)
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 2,083,326; June 8.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Tubular vehicle wheel. 2,083,327; June 8.
Electrical Research Products, Inc. (See Atchisson, Charles H., assignor.)
Electrical Research Products, Inc. (See Maxfield, Joseph P., assignor.)
Electro-Mechanical Research, Inc. (See Cowles, Harry D., assignor.)
Elevator Guide Corporation. (See Matthews, Arthur A., assignor.)
Elliott, Anna L., et al., executors. (See Keebler, P. T., and Elliott.)
Elliott Company. (See Keebler, P. T., and Elliott, assignors.)
Elliott, George F., et al., executors. (See Keebler, P. T., and Elliott.)
Elliott, George R., Worcester, and R. M. Cook, Shrewsbury, Mass. Powder container. 2,082,878; June 8.
Elliott, William S. (See Keebler, P. T., and Elliott.)
Ellis, George H. (See Olpin, H. C., and Ellis.)
Evans, Robert G. N., assignor to The Bunting Brass & Bronze Company, Toledo, Ohio. Bearing lock. 2,082,944; June 8.
Faber, Hermann. (See Zetzsche, W., and Faber.)
Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Motor vehicle and vehicle power and drive mechanism. 2,083,059; June 8.
Fairbairn, Walter M. (See Johnson, A. M., and Fairbairn.)
Farr, Warren H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 2,083,325; June 8.
Fassnacht, Karl, assignor to Speidel Corporation, Providence, R. I. Ornamental jewelry structure. 2,082,879; June 8.
Faulhaber, Roland W., assignor to The Troxel Mfg. Company, Elyria, Ohio. Saddle and method of making same. 2,083,060; June 8.
Fedden, Alfred H. R., and F. M. Owner, assignors to The Bristol Aeroplane Company, Limited, Bristol, England. Airscrew. 2,083,439; June 8.
Fehrle, Alfred, Bad Soden-in-Taunus, K. Streitwolf, deceased, Frankfort-on-the-Main, by F. Streitwolf, administratrix, and P. Fritzsche, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Sulphoxylate-amino-arseno benzenes. 2,082,880; June 8.
Ferenci, Lester, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Bread slicing and wrapping machine. 2,082,945; June 8.
Fetter, Ralph S., Buffalo, N. Y. Barrel closure. 2,082,881; June 8.
Finch, William G. H., New York, N. Y. Telegraph printer system. 2,083,160; June 8.
Finck, August H., St. Charles, Mo. Harrow tripper. 2,082,795; June 8.
Finger, Hyman E. (See Collins, Charles H., assignor.)
Fink, Henry A., Pelham Manor, assignor to Continental Can Company, Inc., New York, N. Y. Side seam for sheet metal can bodies. 2,083,440; June 8.
Fischer, Erich. (See Benade, W., Fischer, and Raeck.)
Fisher, Carl G., Miami Beach, Fla. Sign. 2,083,258; June 8.
Flandera, Vaclav F., Cleveland, Ohio. Earth digging tool. 2,083,328; June 8.
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Pin ticket machine. 2,083,150; June 8.
Fluchaire, Maurice, Tarare, and S. Javorski, Lyon, assignors to Societe des Usines Chimiques Rhone, Poulenc, Paris, France. Preparing beta-bromethyl benzene. 2,082,946; June 8.
Food Machinery Corporation. (See Jones, Thomas M., assignor.)
Food Machinery Corporation. (See Thompson, Albert R., assignor.)
Fordyce, Charles R. (See Malm, C. J., and Fordyce.)
Fotsch, William G., assignor to Reliable Electric Co., Chicago, Ill. Terminal connecter. 2,082,947; June 8.
Fouiks, Samuel, Brooklyn, N. Y. Self-photo attachment for cameras. 2,083,366; June 8.
Freeman, Michael W., Detroit, Mich. Metal cleaner. 2,083,013; June 8.
Freeman, Michael W., Detroit, Mich. Metal treatment. 2,083,014; June 8.
Frisby, Frank D., St. Louis, Mo. Chassis for power operated vehicles. 2,082,826; June 8.
Fritzsche, Paul. (See Fehrle, A., Streitwolf, and Fritzsche.)
Frost, Frederick H., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Lacquer coated sheet material and making the same. 2,083,441; June 8.
Fuller, Harry H., Madison, Wis. Spring traction wheel. 2,083,367; June 8.
Fulton Sylphon Company, The. (See Dube, John E., assignor.)
Fulton Sylphon Company, The. (See Giesler, J. V., and Mackintosh, assignors.)
Gaber, Samuel J., New York, N. Y. Drain pipe system. 2,082,827; June 8.
Gaertner, Moritz, New York, N. Y. Agitator. 2,082,796; June 8.
Gambino, Amedeo, New York, N. Y. Fruit peeler. 2,083,368; June 8.
Gardner, Levi C., Miami, Fla. Humidifying display cabinet. 2,083,442; June 8.
Garland, Robert H., et al. (See Brown, William Y., assignor.)
Garnero, Anthony A., Woodburn, Oreg. Automatic stop mechanism for canning apparatus. 2,082,882; June 8.
Garris, Joseph McC., Avalon, Pa., assignor to Macwhyte Company, Kenosha, Wis. Sling. 2,082,828; June 8.
Geigy, J. R., A. G. (See Senn, Emil, assignor.)
General Aniline Works. (See Benade, W., Fischer, and Raeck, assignors.)
General Aniline Works, Inc. (See Hess, F., Hager, and Asch, assignors.)
General Aniline Works, Inc. (See Hess, F., and Pense, assignors.)
General Electric Company. (See Hehlgans, Friedrich, assignor.)
General Electric Company. (See Hill, Charles H., assignor.)

General Electric Company. (See Hoffmann, Bruno, assignor.)
General Electric Company. (See Jones, Benjamin W., assignor.)
General Electric Company. (See Leeds, Reginald E., assignor.)
General Electric Company. (See Merrill, Frank W., assignor.)
General Electric Company. (See Nefcim, Roy O., assignor.)
General Electric Company. (See Pfalzgraff, Ross M., assignor.)
General Electric Company. (See Renner, Alfred, assignor.)
General Electric Company. (See Robinson, Ernest Y., assignor.)
General Electric Company. (See Rowe, Hobart E., assignor.)
General Industries Company, The. (See Schmittgen, William A., assignor.)
General Mills, Inc. (See Anderson, Helmer, assignor.)
General Mills, Inc. (See James, Thomas R., assignor.)
General Motors Corporation. (See McCann, Charles S., assignor.)
General Motors Corporation. (See Smith, Harry F., assignor.)
General Railway Signal Company. (See Benedict, Frank, assignor.)
General Railway Signal Company. (See De Long, Darroll F., assignor.)
General Railway Signal Company. (See Powell, Winfred T., assignor.)
General Railway Signal Company. (See Ross, Oscar A., assignor.)
Geneva Processes, Inc. (See Nester, Samuel K., assignor.)
George, Clarence L. (See Alexander, Joseph F., assignor.)
Gerdin, Olof B., assignor of one-third to W. E. Stafford, and one-third to G. W. Gustafson, Seattle, Wash. Lawn mower sharpener. 2,082,948; June 8.
Gerlofson, Carl H., Chicago, Ill. Exercise apparatus. 2,082,829; June 8.
Geyer, William O., Bloomfield, N. J. Chemical apparatus. 2,083,228; June 8.
Gheen, Joseph A. (See Benson, Jesse M., assignor.)
Giesler, Jean V., Knoxville, Tenn., and W. B. Mackintosh, Youngwood, Pa., assignors to The Fulton Sylphon Company, Knoxville, Tenn. Temperature control mechanism for heating systems. 2,082,883; June 8.
Gilpin Autolock Corporation. (See Gilpin, Victor L., assignor.)
Gilpin, Victor L., Baltimore, Md., assignor to Gilpin Autolock Corporation. Auto lock. 2,083,161; June 8.
Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Lubricant servicing apparatus. 2,083,259; June 8.
Girard, Pierre M., Courbevoie, France, assignor to Jaeger Watch Company, Inc., New York, N. Y. Tachometer. 2,082,949; June 8.
Globe American Corporation. (See Tolley, D. B., and Hill, assignors.)
Globe-Union Inc. (See Megow, George E., assignor.)
Godley, Paul F., and E. A. Laport, Montclair, N. J. Radiating system for electromagnetic waves. 2,083,260; June 8.
Goldstone, Benjamin, Long Beach, N. Y. Burglar alarm apparatus. 2,083,118; June 8.
Gollwitzer, Walter T., assignor, by mesne assignments, to Addressograph Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,083,061; June 8.
Goodrich, B. F., Company, The. (See Legallion, Charles W., assignor.)
Gordon, Albert A., and W. M. Wattie, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing drop box loom. 2,082,884; June 8.
Gotham Pressed Steel Company, The. (See Anderson, C. A., and Tobin, assignors.)
Gottschalk, John W., and S. W. Grater, Philadelphia, Pa., said Grater assignor to said Gottschalk; Annie Gottschalk, executrix of said J. W. Gottschalk, deceased. Abradant and holder therefor. 2,083,151; June 8.
Gottschalk, Annie, executrix. (See Gottschalk, J. W., and Grater.)
Graenacher, Charles. (See Zweifel, H., Graenacher, Grether, and Straub.)
Grant, Clarence S., Belfast, Maine. Dispenser. 2,083,162; June 8.
Grassiani, Bruder. (See Grassiani, Joseph S., assignor.)
Grassiani, Joseph S., assignor to Bruder Grassiani, Sofia, Bulgaria. Device for preparing dyestuff solutions. 2,083,193; June 8.
Grassle, Carlton D., Rochester, Minn. Fish holder. 2,083,329; June 8.
Grater, Sylvester W. (See Gottschalk, J. W., and Grater.)
Gravell, James H. (See Hall, Albert, assignor.)
Gray, Thomas C., Evanston, assignor to Barco Manufacturing Co., Chicago, Ill. Gas hammer. 2,083,261; June 8.
Gray, Walter, Columbus, Ga. Lug hanger. 2,083,443; June 8.
Green, Guy G., San Francisco, Calif., assignor to The American Steel and Wire Company of New Jersey. Stone-sawing strand. 2,083,369; June 8.
Green, Matthew, assignor to Parker Rust-Proof Company, Detroit, Mich. Coating zinc and the coated article. 2,082,950; June 8.
Greene, Edgeworth, Upper Montclair, N. J. Bottle closure. 2,083,529; June 8.
Greenlee, Charles O., Casper, Wyo., assignor to Standard Oil Company, Chicago, Ill. Grease manufacture. 2,083,015; June 8.
Grether, Fritz. (See Zweifel, H., Graenacher, Grether, and Straub.)
Greulich, Gerald G., Mount Lebanon, Pa. Automatic rotary punch. 2,083,370; June 8.
Greulich, Gerald G., Mount Lebanon, Pa. Metallic lath construction. 2,083,371; June 8.
Grosse, Adolph E., and A. C. Baumgartner, Duluth, Minn. Bookbinder. 2,083,262; June 8.
Grover, Albert W., Merrick, N. Y. Adjustable bridge for stringed musical instruments. 2,082,951; June 8.
Gruwell, Charles E., and F. H. E. Preene, New York, N. Y., assignors to Research Agency Corporation, Oradel, N. J. Antidiabetic substance. 2,082,952; June 8.
Guilfoil, Oscar D. (See Muench, T. J., and Guilfoil.)
Gulliksen, Finn H., and J. W. Dawson, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 2,083,297; June 8.
Gunderson, Lewis O., assignor to Dearborn Chemical Company, Chicago, Ill. Blow-off apparatus for locomotive boilers. 2,082,953; June 8.
Gustafson, G. W., et al. (See Gerdin, Olof B., assignor.)
Gustin, Daniel S., East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Prefocused lamp base. 2,082,954; June 8.
Guthmann, Walter S., Chicago, Ill. Sympathetic ink. 2,083,372; June 8.
Haberstump, Alfred H., Detroit, Mich., assignor to The Murray Corporation of America. Vehicle body. 2,082,830; June 8.
Hagen, Harold F., Dedham, assignor to B. F. Sturtevant Company, Boston, Mass. Fan. 2,082,955; June 8.
Hager, Karl. (See Hess, F., Hager, and Asch.)
Habessey, Thomas. (See Barkart, William J., assignor.)
Hahn, Frederick C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose ethers. 2,082,797; June 8.
Halafax Explosives Company. (See Byers, Land S., assignor.)
Hall, Albert, Narberth, assignor to J. H. Gravell, Elkins Park, Pa. Safety nut. 2,082,956; June 8.
Hallowax Corporation. (See Delaney, Myron E., assignor.)
Halvorson, John J., Winona, Minn. Check line anchor. 2,083,163; June 8.
Hamilton, Frank J., Chicago, Ill., and S. M. Anderson, Sharon, assignors to B. F. Sturtevant Company, Inc., Boston, Mass. Air conditioning system utilizing refrigeration. 2,082,957; June 8.
Hammerling, Emanuel, New York, N. Y. Powder compact. 2,083,016; June 8.
Hampton, Harry D., assignor to Cameron Iron Works, Houston, Tex. Core catcher. 2,083,062; June 8.
Hanna, Charles G., Syracuse, N. Y. Sound producing device or signal. 2,083,164; June 8.
Hanovia Chemical and Manufacturing Company. (See Anderson, W. T., Jr., and Larsen, assignors.)
Hanovia Chemical and Manufacturing Company. (See Bird, Lester F., assignor.)
Hansen, Christian, Woodcliff, N. J. Desk set. 2,082,831; June 8.
Hansen, John, Bettendorf, Iowa. Machine for producing and re-sharpening cutter blades. 2,082,832; June 8.
Hanson, Norman D., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Resinous compositions. 2,083,063; June 8.
Harden, William A., Friendship, and A. D. Burks, Dyersburg, Tenn. Seed saving device. 2,083,444; June 8.
Hardesty, James M., East Orange, and C. C. Lawson, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Measuring tool. 2,083,373; June 8.
Hardy, James H., assignor to Precision Air Gauge Company, Columbus, Miss. Air delivery device. 2,082,886; June 8.
Harley, John B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording and reproducing system. 2,083,374; June 8.
Harrap, Eric R., Chorlton-cum-Hardy, Manchester, England. Composite slab, block, or tile. 2,083,165; June 8.
Harvey, Jacquelin E., Jr., Cogdell, assignor of one-half to Southern Wood Preserving Company, Atlanta, Ga. Producing a wood preservative or the like. 2,082,885; June 8.
Haub, George R., Crafton, Pa., assignor to Shawkee Manufacturing Company, Pittsburgh, Pa. Glass feeder. 2,083,152; June 8.
Haupt, Albertus H., Somerset West, Union of South Africa, assignor to Imperial Chemical Industries Limited. Method and apparatus for cutting cords of plastic material into predetermined lengths. 2,082,833; June 8.

Hawthorne, Charles W., assignor to Morgan Construction Company, Worcester, Mass. Cobble handler. 2,083,263; June 8.
Haydon, Osborne, assignor to The American Gypsum Co., Port Clinton, Ohio. Making gypsum wall plaster. 2,082,887; June 8.
Hayes, Alfred W., Kidderminster, England. Cooking vessel and like article. 2,083,017; June 8.
Heath, Oliver J. (See Yager, G. F., Heath, and Wagner.)
Hedgcock, William C., Wilmette, and R. B. Cottrell, Chicago, assignors to American Steel Foundries, Chicago, Ill. Rail joint bar. 2,083,298; June 8.
Heger, Fritz. (See Bauriedel, G., and Heger.)
Hehlgans, Friedrich, Berlin-Hermsdorf, Germany, assignor to General Electric Company. Apparatus for printing time marks on a moving strip. 2,083,375; June 8.
Heilbecker, Eugene C., assignor to M. C. Smith, Jr., Bristol, R. I. Shoe sole. 2,083,376; June 8.
Heimke, Paul. (See Steindorff, A., Balle, Heimke, and Horst.)
Helnitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Auxiliary presser for flat knitting machines. 2,083,377; June 8.
Heltman, Edward, assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,083,378; June 8.
Hellborg, Otto R., and G. A. Nyberg, Stockholm, Sweden. Device for treating wood and the like. 2,083,445; June 8.
Hemphill Company. (See Lawson, Robert H., assignor.)
Hennig, Otto. (See Modes, E., Honz, and Hennig.)
Hense, Theodore C., Montreal, Quebec, Canada. Game apparatus. 2,083,119; June 8.
Herard, Archibald J., Jr., Worcester, and C. P. Bergstrom, Millbury, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Loom for weaving terry. 2,082,888; June 8.
Herbert, Joseph F., Audubon, N. J. Air heater. 2,083,493; June 8.
Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Compensating wheeled structure. 2,082,798; June 8.
Hess, Fritz, and K. Hager, Frankfort-on-the-Main-Hochst, and W. Asch, Frankfort-on-the-Main-Sindlingen, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Quinone azo-dyestuffs soluble in water and preparing them. 2,083,018; June 8.
Hess, Fritz, and W. Pense, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Polyazo-dyestuffs soluble in water and preparing them. 2,083,019; June 8.
Hess, John E., Jr., New Westminster, British Columbia, Canada. Helicopter. 2,083,064; June 8.
Hetherington, Robert, Sharon Hill, assignor to H. W. Butterworth & Sons Company, Philadelphia, Pa. Cloth gulder. 2,082,799; June 8.
Hewes, Charles K., Los Angeles, and M. L. Chappell, Watson, assignors, by mesne assignments, to Richfield Oil Corporation, Los Angeles, Calif. Aqueous bituminous emulsion and producing the same. 2,083,408; June 8.
Hewes, Charles K., Los Angeles, and M. L. Chappell, Watson, assignors, by mesne assignments, to Richfield Oil Corporation, Los Angeles, Calif. Producing aqueous bituminous emulsions. 2,083,499; June 8.
Heyl, George E., Mill Hill, England. Treating seeds, bulbs, tubers, and roots. 2,083,065; June 8.
High, Carl F., Flint, Mich. Fuel pump. 2,083,020; June 8.
High, Carl F., Flint, Mich. Fuel feeding system. 2,083,021; June 8.
Hight, Everett T., Oklahoma City, Okla. Counter-balancing means for hoisting apparatus. 2,082,889; June 8.
Hill, Charles H., Drexel Hill, Pa., assignor to General Electric Company. Electrical switchgear. 2,083,379; June 8.
Hill, Dewey H. (See Tolley, D. B., and Hill.)
Hill, Edward G., South Bend, Ind., assignor to Hill Engineering Corporation, Richmond, Va. Clutch control mechanism. 2,083,530; June 8.
Hill Engineering Corporation. (See Hill, Edward G., assignor.)
Himsworth, Francis R. (See Dunn, J. S., Himsworth, and Lefebure.)
Hinson, Odus C., assignor to Cramerton Mills, Cramerton, N. C. Bunch winding attachment for builder mechanism. 2,082,958; June 8.
Hochman, Julius C., New York, N. Y. Typewriter ribbon attachment. 2,083,446; June 8.
Hoff, George P. (See Bradshaw, W. H., and Hoff.)
Hoffmann, Bruno, Berlin, Germany, assignor to General Electric Company. Centrifugal compressor. 2,083,447; June 8.
Hofmann, Frank J., New York, N. Y. Toilet set. 2,082,834; June 8.
Hoke, Walter W., Forrest Hills, assignor to Westcott Electric Casting Corporation, New York, N. Y. Casting metals by electromagnetic forces and apparatus therefor. 2,083,022; June 8.
Holdaway, Vivian L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic discharge device. 2,083,330; June 8.
Holliday, Theodore B., Dayton, Ohio. Shielding device for ignition or similar circuits. 2,082,800; June 8.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom for weaving double tapes. 2,082,890; June 8.
Holmes Electric Protective Company. (See Loudon, Clifford L., assignor.)
Holton, Frank, and Company. (See Bryant, Charles E., assignor.)
Honeycutt, William C., et al. (See Brown, William Y., assignor.)
Honz, Richard. (See Modes, E., Honz, and Hennig.)
Hood Rubber Company. (See Cate, Malcolm, S., assignor.)
Hood Rubber Company. (See Nelson, John H., assignor.)
Hookless Fastener Company. (See Quisling, Sverre, assignor.)
Hookless Fastener Company. (See Sipe, Harry E., assignor.)
Horn, C. L. (See Abrams, Cecil P., assignor.)
Horn, Harry J., and J. H. Hunt, assignors to Motor Wheel Corporation, Lansing, Mich. Making one-piece spoke spiders. 2,083,229; June 8.
Horst, Karl. (See Steindorff, A., Balle, Heimke, and Horst.)
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Muffler. 2,083,515; June 8.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Muffler. 2,083,516; June 8.
Houdry, Eugene J., Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del. Production of high octane gasoline. 2,082,801; June 8.
Houdry Process Corporation. (See Houdry, Eugene J., assignor.)
Hubbard, Walter H., Beverly, Mass. Adjustable arch support. 2,082,891; June 8.
Hubbert, Leslie S. (See MacMillin, H. F., and Hubbert.)
Hudson, Dwight C., assignor to The Wm. Meyer Company, Chicago, Ill. Device for shaping eyebrows and the like. 2,083,380; June 8.
Hummel, John G., Warren Point, N. J. Shoe polisher and container. 2,083,448; June 8.
Hunt, J Harold. (See Horn, H. J., and Hunt.)
Hunt, J Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,083,066; June 8.
Hunter, Alfred H., London, England. Device for holding utensils on tables or similar surfaces. 2,083,299; June 8.
Hunter, John A. (See Croft, G. M., and Hunter.)
Hurlbert, William G., Jr., assignor to The Bostwick Steel Lath Company, Niles, Ohio. Rib attachment for metal lath. 2,083,300; June 8.
Hurt, Anton C., Akron, Ohio. Stop indicator for vehicles. 2,083,230; June 8.
Hutchison, Miller R., Jr., Madison, N. J., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,083,381; June 8.
Hydraulic Press Corporation, The. (See MacMillin, H. F., and Hubbert, assignors.)
Hygrade Sylvania Corporation. (See Lane, William C., Jr., assignor.)
Hygrade Sylvania Corporation. (See Rogan, John J., assignor.)
Hymans, Edgar M., Cincinnati, Ohio. Bus registering system. 2,083,264; June 8.
Hynes, Nan G. (See Ballou, Holden P., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Bacher, H., and Braus, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schenble, Rudolf, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Steindorff, A., Balle, Heimke, and Horst, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Zetzche, W., and Faber, assignors.)
Ilsche, Arthur, Rye, N. Y. Men's suspenders. 2,083,331; June 8.
Imperial Chemical Industries Limited. (See Baird, W., Mavin, and Murray, assignors.)
Imperial Chemical Industries Limited. (See Dunn, J. S., Himsworth, and Lefebure, assignors.)
Imperial Chemical Industries Limited. (See Eastwood, Robert A., assignor.)
Imperial Chemical Industries Limited. (See Haupt, Albertus H., assignor.)
Ince, Mark H., Cambridge, Mass. Toy building. 2,083,500; June 8.
Ingersoll-Rand Company. (See Kirgan, John, assignor.)
Inman, William H., assignor to Bloomer Bros. Company, Newark, N. Y. Pail. 2,083,449; June 8.
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Business Machines Corporation. (See Dodge, Ronald D., assignor.)
International Business Machines Corporation. (See Rose, Ernest, assignor.)
International Printing Ink Corporation, The. (See Reccard, Emil B., assignor.)

Irish, Charles F., Bratenahl, Ohio. Apparatus for the treatment of soil. 2,083,153; June 8.

Isom, Edward W., Searsdale, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 2,083,120; June 8.

Jaeger Watch Company. (See Girard, Pierre M., assignor.)

James, Thomas R., assignor to General Mills, Inc., Minneapolis, Minn. Packaging machine. 2,083,067; June 8.

Jamison Cold Storage Door Company. (See Leonard, David C. E., assignor.)

Jasper Chair Company. (See Lewis, Thomas W., assignor.)

Javorski, Serge. (See Fluchaire, M., and Javorski.)

Jennings, Irving C., South Norwalk, Conn. Apparatus for heating by steam. 2,083,068; June 8.

Jensen, John O., Chicago, Ill. Gas burner. 2,082,892; June 8.

Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. 2,083,265; June 8.

Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. 2,083,266; June 8.

Johnson, Albert M., assignor to Barnes Drill Company, Rockford, Ill. Honing machine. 2,083,194; June 8.

Johnson, Albert M., and W. M. Fairbairn, assignors to Barnes Drill Co., Rockford, Ill. Machine tool. 2,083,023; June 8.

Johnston, Alexander O., Pittsburgh, Pa. Adjustable clothesline support. 2,083,332; June 8.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Control means. 2,083,531; June 8.

Jones, Horry M., Chicago, Ill. Recording device. 2,082,893; June 8.

Jones, Mary, et al. (See Nash, William C., assignor.)

Jones, Thomas H., Woodthorpe, England. Knitted fabric. 2,083,301; June 8.

Jones, Thomas M., Manchester, England, assignor, by mesne assignments, to Food Machinery Corporation, San Jose, Calif. Can transfer valve. 2,082,894; June 8.

Jones, Wallace E., and J. D. Taylor, assignors to Taylor-Colquitt Co., Spartanburg, S. C. Knife grinder. 2,083,069; June 8.

Jonkhoff, Henri W., Dusseldorf, Germany. Bogie vehicle steering mechanism. 2,083,166; June 8.

Jordan, Guy W., Rockmart, Ga. Cement and making the same. 2,083,267; June 8.

Jurgens, Emil G., and H. K. Becker, assignors to Peters Machinery Company, Chicago, Ill. Depositing machine. 2,083,268; June 8.

Jutson, Robert P., North Tarrytown, and D. E. Trucksess, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulated rectifier circuits. 2,083,382; June 8.

Karnes, James C., Buffalo, N. Y. Plotting board. 2,082,802; June 8.

Kauffman, Charles H. (See Kauffman, Chauncey B. and C. H.)

Kauffman, Chauncey B. and C. H., Hellam, Pa. Automatic window closer. 2,083,450; June 8.

Keebler, Paul T., Jeanette, and W. S. Elliott, deceased, by A. L. Elliott, Pittsburgh, G. F. Elliott, Ridgway, and H. R. Leyden, Buck Hill Falls, executors, assignors to Elliott Company, Pittsburgh, Pa. Motor. 2,082,959; June 8.

Kehr, Wilhelm. (See Lesjak, M., and Kehr.)

Keil, Francis, & Son, Inc. (See Brantingson, Sigurd, assignor.)

Keiser, Bernhard. (See DeGroote, H., and Keiser.)

Kelly, Richard D., The Dalles, Oreg. Circuit closer. 2,082,835; June 8.

Kelvinator Corporation. (See Heitman, Edward, assignor.)

Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

Kennedy, Edmond T., Norwalk, Conn. Production of felt and felt fabrics. 2,083,383; June 8.

Kimmick, Albert R. (See Walker, Chauncey M., assignor.)

Kimura, Kintaro, Tokyo-Shi, Japan. Manufacture of canned refreshing food. 2,083,302; June 8.

Kinninger, Arthur M. and C. A., Dayton, Ohio. Column reenforcement girdle. 2,082,960; June 8.

Kinninger, Carl A. (See Kinninger, Arthur M. and C. A.)

Kinzle, Charles J., J. A. Plunkett, and C. H. Commons, Jr., Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Zirconium opacifying pigment and making. 2,083,024; June 8.

Kinzle, Phillip A., J. L. Savage, and T. S. Martin, assignors to Universal Hydraulic Corporation, Denver, Colo. Valve sealing device. 2,083,154; June 8.

Kirby, James W. (See Wigness, C. R., and Kirby.)

Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Refrigerating system. 2,083,231; June 8.

Kjekstad, Johannes, Hillside, N. J. Welded construction. 2,082,836; June 8.

Knapp, Dewey R., Plattsburg, N. Y. Animal trap. 2,083,451; June 8.

Knowland, Thomas M., Belmont, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Method of and apparatus for tensioning strip material. 2,082,895; June 8.

Knox, William J., Owego, N. Y. Marking device for shoe parts and the like. 2,083,270; June 8.

Koch, Winfield R., Camden, N. J., assignor to Radio Corporation of America. Automatic gain control circuit. 2,082,961; June 8.

Koch, Winfield R., Camden, N. J., assignor to Radio Corporation of America. Automatic selectivity control system. 2,083,232; June 8.

Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Automatic gain control circuit. 2,083,025; June 8.

Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Automatic gain control circuit. 2,083,026; June 8.

Koppers Company. (See Totzek, Friedrich, assignor.)

Krczil, Franz, Aussig on the Elbe, Czechoslovakia. Production of activated carbon. 2,083,303; June 8.

Kron Co., The. (See Welst, Glenn E., assignor.)

Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrically operated snap action modulating valve. 2,083,532; June 8.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Sheet metal can body. 2,083,452; June 8.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Sheet metal can body and making the same. 2,083,453; June 8.

Krueger, Emil M., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Liquid registering device. 2,083,070; June 8.

Kuch, Frederick C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay structure. 2,083,384; June 8.

Kuenzli, Walter A., and C. B. Leeson, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Compression type refrigerating system. 2,083,454; June 8.

L. C. L. Corporation, The. (See Woodruff, Graham C., assignor.)

La Franca, Salvatore, New York, N. Y. Smoking pipe. 2,083,455; June 8.

Lamère, André, assignor to Société de Moteurs à Gaz et d'Industrie Mecanique, Paris, France. Turbo-pump unit for extinguishing fires. 2,083,167; June 8.

Landenberger, Ralph, Evanston, Ill. Securing device. 2,083,233; June 8.

Landis & Gyr, A.-G. (See Beusch, Willi, assignor.)

Lane, Harold, and J. W. Pratt, Leicester, England, assignors to United States Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,082,837; June 8.

Lane, William C., Jr., Clifton, N. J., assignor to Hygrade Sylvania Corporation, Salem, Mass. Automatic gain-control system. 2,083,501; June 8.

Langos, Otto A., Chicago, Ill. Toy. 2,083,535; June 8.

Laport, Edmund A. (See Godley, P. F., and Laport.)

Larmloc Corporation. (See Michel, Edmond, assignor.)

Larsen, Carl J. (See Anderson, W. T., Jr., and Larsen.)

Larson, Edward, assignor of one-fourth to H. F. Connelly, one-fourth to W. Rast, and one-fourth to J. R. Sibbald, Austin, Nev. Electric forging hammer. 2,083,168; June 8.

Larson, Louis J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Welding. 2,083,234; June 8.

Laukandt, Bernhard F., Red Wing, Minn. Piano class teaching keyboard. 2,083,235; June 8.

Lawson, Clement C. (See Hardesty, J. M., and Lawson.)

Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine. 2,083,027; June 8.

Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine. 2,083,333; June 8.

Leakproof Sprayer Co. (See de Weal, André, assignor.)

Ledwinka, Hans, Koprivnice, Czechoslovakia. Road vehicle. 2,083,457; June 8.

Leeds & Northrup Company. (See Stein, Irving M., assignor.)

Leeds, Reginald E., Middlesex, England, assignor to General Electric Company. Manufacture of coiled-coil filaments for electric incandescent lamps and similar devices. 2,083,456; June 8.

Leeson, Charles B. (See Kuenzli, W. A., and Leeson.)

Lefebure, Victor. (See Dunn, J. S. Himsworth, and Lefebure.)

Le Goff, Lucien J. A., assignor to Société d' Electricité Mors, Clichy, France. System for the transmission of signals to railroad vehicles. 2,083,195; June 8.

Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making a golf ball. 2,083,155; June 8.

Leonard, David C. E., assignor to Jamison Cold Storage Door Company, Hagerstown, Md. Refrigerator door fastener. 2,083,458; June 8.

Lesjak, Michael, and W. Kehr, Augsburg, Germany. Developing tank for roll films. 2,082,962; June 8.

Levi, Julius, assignor to S. Pass, Chicago, Ill. Furniture slip cover. 2,083,236; June 8.

Leviton Manufacturing Company. (See Wallbillich, Anthony F., assignor.)

Lewers, George R., assignor to Decarie Incinerator Corporation, New York, N. Y. Reactivation of mineral absorbents. 2,083,269; June 8.

Lewis, Thomas W., Burlington, Iowa, assignor to Jasper Chair Company, Jasper, Ind. Chair hinge construction. 2,083,071; June 8.

Leyden, Harry R., et al, executors. (See Keebler, P. T., and Elliott.)

Liberty Can and Sign Company. (See Batdorf, Seymour, assignor.)

Liebmann, Gerhard, Berlin, Germany. Heating element for high-voltage cathodes. 2,083,196; June 8.

Lightolier Company. (See Blitzer, Jacob H., assignor.)

Lindegren, Carl J., Providence, R. I., and J. B. Olch, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Picking motion for looms. 2,082,896; June 8.

Lindell, Bertil T., Detroit, Mich., assignor to The Murray Corporation of America. Container. 2,082,838; June 8.

Lindenbaum, Jack, assignor to Los Angeles Wrecking Company, Los Angeles, Calif. Adjustable hanger support for basins and the like. 2,083,271; June 8.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Filament structure for electron discharge devices. 2,082,839; June 8.

Lindsey, Ernest E., San Francisco, Calif. Apparatus for making ice cream and other edible ices. 2,083,072; June 8.

Lindstrom, Ture, Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,083,304; June 8.

Lingal, Harry J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,083,305; June 8.

Link-Belt Company. (See Tark, Marcus B., assignor.)

Livar, Allen P., Montclair, N. J., assignor of one-half to Richmond Radiator Company, New York, N. Y., and one-half to Sears, Roebuck and Co., Chicago, Ill. Radiator. 2,083,028; June 8.

Ljungkull, Rolf E., assignor to American Hoist and Derrick Company, St. Paul, Minn. Car body for excavating machines. 2,083,459; June 8.

Ljungkull, Rolf E., assignor to American Hoist and Derrick Company, St. Paul, Minn. Excavating machine. 2,083,460; June 8.

Lockwood Manufacturing Company, The. (See Prabell, Albert, assignor.)

Loeber, Herman M., Beatrice, Nebr., assignor to Dempster Mill Manufacturing Company. Diaphragm pump for automatic water systems. 2,083,073; June 8.

Loeser, John, Philadelphia, Pa. Tire. 2,083,461; June 8.

Loewe, Siegmund, Berlin, Germany. Braun tube. 2,083,198; June 8.

Lohnes, George A. (See Clutter, C. J., and Lohnes.)

Lohrke, James L., Thornbury Township, Delaware County, Pa. Producing yarn. 2,082,840; June 8.

Long, Elmer C., Grosse Pointe Park, Mich. Piston for internal combustion motors. 2,083,533; June 8.

Long, Thomas A., and W. W. Potts, Sheffield, England. Disintegrating machinery. 2,083,462; June 8.

Lorentzen, Hans K., Montclair, N. J. Mounting for venetian blinds. 2,083,334; June 8.

Lorenz, Charles F., East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Ultraviolet lamp. 2,082,963; June 8.

Lorig, Edwin T., Gary, Ind., assignor to American Sheet and Tin Plate Company. Treating coiled material. 2,083,517; June 8.

Lorig, Edwin T., Gary, Ind., assignor to American Sheet and Tin Plate Company. Preparing metal strip. 2,083,518; June 8.

Los Angeles Wrecking Company. (See Lindenbaum, Jack, assignor.)

London, Clifford L., assignor to Holmes Electric Protective Company, New York, N. Y. Electric protective system. 2,083,335; June 8.

Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,082,964; June 8.

Lowry, Charles D., Jr., and C. G. Dryer, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of motor fuel. 2,083,197; June 8.

Lowy, Edward, Brighton Beach, Brooklyn, N. Y. Handbag. 2,083,029; June 8.

Lundquist, Stanley E., Jackson Heights, N. Y., assignor to Westinghouse X-Ray Company, Inc. Fluoroscopic shutter control mechanism. 2,082,965; June 8.

Lunnon, Frederick C., and H. J. H. Wassell, Chelmsford, England, assignors to Radio Corporation of America. Modulator. 2,083,336; June 8.

Lyon, George A., Allenhurst, N. J. Bead for ornamental wheel disks. 2,082,803; June 8.

Maas, Frank H. (See Rose, J. R., Cox, and Maas.)

Maass, Otto, Montreal, Quebec, Canada. Method and apparatus for determining the consistency of pulp suspensions. 2,083,074; June 8.

Mack, Harry C., assignor to The Allentown Bobbin Works, Inc., Allentown, Pa. Bobbin. 2,083,337; June 8.

Mackay, John H., Detroit, Mich. Automobile headlining. 2,083,030; June 8.

Mackensen, William, New York, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting boots and shoes. 2,082,841; June 8.

Mackintosh, William B. (See Giesler, J. V., and Mackintosh.)

MacLean-Fogg Lock Nut Company. (See Rowe, Lawrence A., assignor.)

Maclennan, Francis W., assignor to Miami Copper Company, Miami, Ariz. Precipitating metals. 2,083,031; June 8.

MacMillin, Howard F., Mount Gilead, and L. S. Hubbert, Edison, Ohio, assignors, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del. Fluid pressure operated curb press. 2,083,032; June 8.

Macwhyte Company. (See Garris, Joseph McC., assignor.)

Madaras, Julius D., assignor to Madaras Rotor Power Corporation, Detroit, Mich. Wind motor. 2,082,966; June 8.

Magidson, Frank, Pittsburgh, Pa., assignor to Pittsburgh Tag Company. Pin feeding apparatus. 2,083,534; June 8.

Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)

Malinite Corporation. (See Malinovszky, A., and Bennett, assignors.)

Malinovszky, Andrew, South Gate, and A. L. Bennett, Glendale, assignors to Malinite Corporation, Los Angeles, Calif. Red and yellow glaze compositions. 2,083,033; June 8.

Malm, Carl J., and C. R. Fordyce, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Preparation of metallic salts of dicarboxylic acid esters of cellulose. 2,082,804; June 8.

Mancino, Peter C., Philadelphia, H. Cross, Cynwyd, Pa., and J. E. Thebaud, North Merchantville, N. J., said Thebaud assignor to said Cross and said Mancino. Universal joint. 2,083,338; June 8.

Marland, Joseph A., La Grange, Ill. One-way clutch. 2,082,842; June 8.

Marshall, Edward C. (See Adams, G. E., and Marshall.)

Martin, Timothy S. (See Kinzie, P. A., Savage, and Martin.)

Martois, Arthur E., Torrance, Calif. Gas burner. 2,083,169; June 8.

Massey, Alexander J., Los Angeles, Calif. Traffic signal control and switching means. 2,083,075; June 8.

Master Separator and Valve Company. (See Weisgerber, Edwin C., assignor.)

Mataras Rotor Power Corporation. (See Madaras, Julius D., assignor.)

Mathez, Samuel, New York, N. Y. Wrist watch case and setting system for watches. 2,082,843; June 8.

Matthews, Arthur A., Brooklyn, N. Y., assignor to Elevator Guide Corporation. Elevator rail guide. 2,083,502; June 8.

Man, George A., Lakewood, assignor to The Coal Treating & Equipment Company, Cleveland, Ohio. Dissolving deliquescent material. 2,083,076; June 8.

Mavin, Cecil R. (See Baird, W., Mavin, and Murray.)

Maxfield, Joseph P., Maplewood, N. J., assignor to Electrical Research Products, Inc., New York, N. Y. Sound recording system. 2,083,385; June 8.

May, Sam, assignor to R. T. Moloney, Chicago, Ill. Control apparatus for check dispensers. 2,083,463; June 8.

Mayer, Edward J., Portland, Oreg. Clamp. 2,083,077; June 8.

Mayer, Richard, New Rochelle, N. Y., assignor to F. C. Copeland, San Francisco, Calif. Cigarette dispenser and lighter. 2,083,464; June 8.

Mayer, Richard, New Rochelle, N. Y., assignor to F. C. Copeland, Beverly Hills, Calif. Cigarette dispenser. 2,083,465; June 8.

Mayo, Frank V., Stockton, Calif. Automatic shut-off for gasoline dispensing nozzles. 2,083,078; June 8.

McBurney, John D., Newburgh, N. Y., and E. H. Nollau, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Thermoplastic product and making the same. 2,083,199; June 8.

McCabe, George J., Fargo, N. Dak. Dispensing bottle cap. 2,083,156; June 8.

McCann, Charles S., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,083,272; June 8.

McClain, Ross S. (See Overman, Ivan J., assignor.)

McClave-Brooks Company. (See Warg, Charles A., assignor.)

McKiernan, James D., Brooklyn, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for cutting swinging bevels. 2,082,967; June 8.

McKnight, William C., Glasgow, Scotland. Luminous number plate and other luminous signs. 2,083,079; June 8.

McLaughlin, Harold J. (See Thoroughgood, C., and McLaughlin.)

McLay, Gavin S., assignor to Wellman Seaver Rolling Mill Company Limited, London, England. Manufacture of tubes. 2,083,466; June 8.

McNally-Pittsburg Mfg. Corp., The. (See Norton, Bertram, assignor.)

McNamara, T. Edward (administrator). (See Wamelink, Eugene C.)

Mears, Norton A., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 2,083,386; June 8.

Megow, George E., South Milwaukee, assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis. Electrical resistance unit. 2,083,339; June 8.
Meilner, Joseph, West Orange, N. J., assignor to Eagle Pencil Company. Mechanical pencil. 2,082,844; June 8.
Merker, Herman, Milwaukee, assignor to Pressed Steel Tank Company, West Allis, Wis. Metal barrel. 2,083,340; June 8.
Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Temperature compensation. 2,083,387; June 8.
Merritt, Ralph P. (See Alder, William F., assignor.)
Merritt, Ralph P. (as trustee). (See Alder, William F., assignor.)
Methven, Clyde L., St. Paul, Minn. Expansion joint construction. 2,082,805; June 8.
Meyer, Wm., Company, The. (See Hudson, Dwight C., assignor.)
Miami Copper Company. (See Maclennan, Francis W., assignor.)
Michel, Edmond, assignor to Larmloc Corporation, New Orleans, La. Electric control lock. 2,082,806; June 8.
Miller, Arthur O., Youngstown, Ohio, assignor to The Petroleum Iron Works Company of Ohio, Sharon, Pa. Head seams for steel barrels and drums and method thereof. 2,083,519; June 8.
Miller, Benjamin, Richmond Hill, N. Y., assignor to Power Patents Company, Jersey City, N. J. Gas analyzing process and apparatus. 2,083,520; June 8.
Miller, Benjamin, Richmond Hill, N. Y., assignor to Power Patents Company, Jersey City, N. J. Analysis of fluid mixtures. 2,083,521; June 8.
Miller, John R., United States Navy. Bulkhead internal safety relief salvage valve. 2,082,807; June 8.
Miller, Max B., & Co. (See Tuttle, Malcolm H., assignor.)
Milner, Edwin E., Muncie, Ind., assignor to Ball Brothers Company. Method and apparatus for rolling zinc and similar metals. 2,083,080; June 8.
Miner, W. H., Inc. (See Lounsbury, Harvey J., assignor.)
Minneapolis-Honeywell Regulator Company. (See Kronmiller, Carl G., assignor.)
Mishler, Earnest W., assignors to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Apparatus for welding. 2,083,034; June 8.
Mitterer, Albert R. (See Rorrer, C. E., and Mitterer.)
Modes, Ernest, Leipzig, R. Honz, Leipzig-Entritzsch, and O. Hennig, Leipzig-Neustadt, assignors to the firm Trimuphator-Werk m. b. H., Leipzig-Molkau, Germany. Calculating machine. 2,083,200; June 8.
Moll, Harry H., Denver, Colo. Freezing mold. 2,083,081; June 8.
Moloney, Raymond T. (See May, Sam, assignor.)
Moore, Charles R., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tool for turning cable reels. 2,083,388; June 8.
Moore, Thomas F., Morris Plains, N. J. Well point. 2,083,389; June 8.
Moran, John A., Brashear, Mo. Doughnut machine. 2,083,082; June 8.
Morgan Construction Company. (See Hawthorne, Charles W., assignor.)
Morgan Construction Company. (See Sheperdson, J. W., Morgan, and O'Malley, assignors.)
Morgan, John D., South Orange, assignor to Power Patents Company, Jersey City, N. J. Gas analyzing apparatus. 2,083,522; June 8.
Morgan, Myles. (See Sheperdson, J. W., Morgan, and O'Malley.)
Morris, Howard L., Lakewood, Ohio, assignor, by mesne assignments, to Overhead Door Corporation, Hartford City, Ind. Door construction. 2,083,467; June 8.
Morris, Le Roy C., Cedar Falls, Iowa. Torsion balance scale. 2,082,968; June 8.
Motion Pictures Electric Products. (See Rose, Jess C., assignor.)
Motor Wheel Corporation. (See Horn, H. J., and Hunt, assignors.)
Motor Wheel Corporation. (See Hunt, J Harold, assignor.)
Mueller Co. (See Cline, Earl E., assignor.)
Muench-Kruzer Candle Company. (See Muench, T. J., and Guilfoil, assignors.)
Muench, Thomas J., and O. D. Guilfoil, assignors to Muench-Kruzer Candle Company, Inc., Syracuse, N. Y. Sanctuary candle lamp. 2,082,897; June 8.
Mullins Manufacturing Corporation. (See Benson, John H., assignor.)
Murena, Joseph A., Jersey City, N. J. Shoe. 2,083,390; June 8.
Murphy Diesel Company Limited. (See Murphy, Moyes J., assignor.)
Murphy, Moyes J., assignor to Murphy Diesel Company Limited, Milwaukee, Wis. Fuel injection apparatus. 2,082,808; June 8.
Murray, Arthur G. (See Baird, W., Mavin, and Murray.)
Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)
Murray Corporation of America, The. (See Lindell, Bertil T., assignor.)
Murray Corporation of America, The. (See Podany, Edward J., assignor.)
Murray, Stanley G., Passaic, N. J. Automatic feeding and weighing machine. 2,083,391; June 8.
Myers, Bernard L., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Clutch. 2,082,969; June 8.
N. V. Machinerieen-en Apparaten Fabrieken "Meaf". (See Dillenbach, Walter, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Alink, Roelof J. H., assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Oosterhuis, Ekko, assignor.)
Nahigyan, Kevork K., assignor to Riley Stoker Corporation, Worcester, Mass. Gas scrubber. 2,083,468; June 8.
Nash, Marie Duvall, et al. (See Nash, William C., assignor.)
Nash, Roy A., et al. (See Nash, William C., assignor.)
Nash, William C., assignor of one-fifth to Mary Jones, Neenah, Wis., one-fifth to W. M. Nash, Chicago, Ill., one-fifth to R. A. Nash, New Rochelle, N. Y., and one-fifth to M. D. Nash, Neenah, Wis. Tube roll mechanism for paper making machine. 2,083,341; June 8.
Nash, William C., assignor of one-fifth to Mary Jones, Neenah, Wis., one-fifth to W. M. Nash, Chicago, Ill., one-fifth to R. A. Nash, New Rochelle, N. Y., and one-fifth to M. D. Nash, Neenah, Wis. Translating paper machine tube roll. 2,083,342; June 8.
Nash, William M., et al. (See Nash, William C., assignor.)
Nashua Gummed and Coated Paper Company. (See O'Neil, Charles H., assignor.)
National Malleable and Steel Castings Company. (See Bazeley, Arthur J., assignor.)
National-Standard Company. (See Shook, Florain, J., assignor.)
Naul, James M., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Cut-out switch for electric motors. 2,083,343; June 8.
Needham, Virgil, Osceola, Ark. Radio receiving set. 2,083,170; June 8.
Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 2,082,898; June 8.
Nelson, Jabez C., assignor to Easy Washington Machine Corporation, Syracuse, N. Y. Washing machine construction. 2,083,503; June 8.
Nelson, John H., Belmont, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass. Cutting die. 2,083,157; June 8.
Neredin, Roy O., Highland Park, Ill., assignor to General Electric Company. Receptacle. 2,083,392; June 8.
Ness, Edward F., Toledo, Ohio, assignor to Unitpak Corporation, Rochester, N. Y. Packaging machine. 2,083,084; June 8.
Nester, Samuel K., assignor to Geneva Processes, Inc., Geneva, N. Y. Adjustable colloid mill stator. 2,083,171; June 8.
Neuhaus, Richard, assignor to Nukem Products Corporation, Buffalo, N. Y. Acidproof tank. 2,083,469; June 8.
New Britain Machine Company, The. (See Brown, R. S., and Retz, assignors.)
Newhouse, Russell C., and W. C. Tinus, Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. System and determining distances. 2,083,344; June 8.
Nielsen, Andrew, Brighton, Colo. Ditcher. 2,083,083; June 8.
Nielsen Corporation, Ltd., The. (See Champlin, Silas H., assignor.)
Nisenson, Julius, Brooklyn, N. Y. Venetian blind. 2,083,523; June 8.
Nitralloy Corporation. (See Tofaute, Walter, assignor.)
Nolhan, Edgar H. (See McBurney, J. D., and Nolhan.)
Norris, William A., Alhambra, Calif. Radiator. 2,082,899; June 8.
North American Rayon Corporation. (See Stoeckly, J. J., and Bartunek, assignors.)
Norton, Bertram, Claverley, England, assignor to The McNally-Pittsburg Mfg. Corp., Pittsburg, Kans. Washer box for coal and the like. 2,083,393; June 8.
Norton, Ernest C., Moline, Ill. Piston ring. 2,083,237; June 8.
Nukem Products Corporation. (See Neuhaus, Richard, assignor.)
Nu-Prong Fastener Corporation. (See Bruhn, George J., assignor.)
Nyberg, Gunnar A. (See Hellborg, O. R., and Nyberg.)
Oberrender, Graaf R., Du Bois, Pa. Waterproof vest for hunters. 2,083,121; June 8.
O'Brien, James J., Chicago, Ill. Gold tee package. 2,083,238; June 8.
Obstfeld, Abraham I., et al. (See Drypolcher, William, assignor.)
Obstfeld, Lou, et al. (See Drypolcher, William, assignor.)
Odora Company. (See Blechman, Irving, assignor.)
Ohio Oil Company, The. (See Slough, Ralph M., assignor.)
Ohio Rubber Company. (See Wilhelmy, Helen M., assignor.)
Olch, Jacob B. (See Lindegrén, C. J., and Olch.)
Olpin, Henry C., and G. H. Ellis, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of artificial filaments, threads, films, and the like. 2,083,122; June 8.

O'Malley, Joseph M. (See Sheperdson, J. W., Morgan, and O'Malley.)
O'Neil, Charles H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Production of waxed paper. 2,083,273; June 8.
Oosterhuis, Ekko, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Tuning control. 2,083,239; June 8.
Osborne, William E., Los Angeles, Calif. Cream remover for milk bottles. 2,082,845; June 8.
Oswego Falls Corporation. (See Wilcox, Isaac L., assignor.)
Otis, Russell M., Alhambra, Calif. Process of and apparatus for photographically recording sounds. 2,082,846; June 8.
Otis, Russell M., Alhambra, Calif. Sound recording system. 2,082,900; June 8.
Overhead Door Corporation. (See Morris, Howard L., assignor.)
Overman, Ivan J., assignor of one-half to R. S. McClain, Marion, Ind. Rotary aggregate drier. 2,082,970; June 8.
Owen-Illinois Glass Company. (See Williams, R. C., and Bone, assignors.)
Owner, Frank M. (See Fedden, A. H. R., and Owner.)
Packard Motor Car Company. (See Best, Frank C., assignor.)
Packard Motor Car Company. (See Edwards, Herbert C., assignor.)
Packard Motor Car Company. (See Hutchison, Miller R., Jr., assignor.)
Page, Albert E., Brooklyn, and H. Swinglehurst, Jr., Floral Park, assignors to Scott & Williams, Incorporated, New York, N. Y. Circular knitting machine and operating same. 2,083,394; June 8.
Paige, Richard E., Flushing, N. Y. Display container. 2,083,345; June 8.
Palmer, Gerald M., Northwood, England. Vehicle axle. 2,083,085; June 8.
Palmu, Carl, Maple, Wis. Nail puller. 2,082,901; June 8.
Parker Rust-Proof Company. (See Green, Matthew, assignor.)
Pas, Sam. (See Levi, Julius, assignor.)
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for automatic looms. 2,082,902; June 8.
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Intermittent thread holder. 2,082,903; June 8.
Payson, Peter, New York, N. Y. Corrosion resistant alloy. 2,083,524; June 8.
Peerless Chain Company. (See Bambenek, Joseph B., assignor.)
Pelikan, John M., Crafton, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 2,083,274; June 8.
Pelikan, John M., Greentree Borough, and H. S. Young, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,082,971; June 8.
Pennell, Robert E., Anderson, S. C. Production of potassium sulphate fertilizer material. 2,082,809; June 8.
Pense, Walter. (See Hess, F., and Pense.)
Permadlex Mold and Model Corporation. (See Zampol, Peter, assignor.)
Perrott, Frank L., assignor of one-half to L. C. Pettler, Beaver Falls, Pa. Directional signal switch. 2,083,470; June 8.
Perry, Ira D., Muskegon, Mich. Valve and the like. 2,082,972; June 8.
Peters Machinery Company. (See Jurgens, E. G., and Becker, assignors.)
Peterson, Carl F. (See Branch, Samuel G., assignor.)
Petroleum Iron Works Company of Ohio, The. (See Miller, Arthur O., assignor.)
Pettler, L. C. (See Perrott, Frank L., assignor.)
Petty, Earl, assignor to Alco Products, Incorporated, New York, N. Y. Method of and apparatus for filtering high viscosity liquids. 2,082,847; June 8.
Pfalzgraff, Ross M., Lynn, Mass., assignor to General Electric Company. Making cores for electrical apparatus. 2,083,395; June 8.
Philadelphia Quartz Company. (See Baker, Chester L., assignor.)
Phillipp, Lawrence A., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,083,396; June 8.
Pittsburgh Tag Company. (See Magidson, Frank, assignor.)
Plunkett, John A. (See Kinzie, C. J., Plunkett and Commons.)
Podany, Edward J., Detroit, Mich., assignor to The Murray Corporation of America. Electric welding apparatus. 2,082,904; June 8.
Pollock, Leopold, New York, N. Y. Decorative illuminated article. 2,083,240; June 8.
Poor & Company. (See Condit, Edward A., assignor.)
Poppe, Wilhelm, Giessen, Germany. Production of patterned rubber slabs for covering floors, walls, and ceilings. 2,083,201; June 8.
Potts, William Wallace. (See Long, T. A., and Potts.)
Powell, Winfred T., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 2,083,525; June 8.
Power Patents Company. (See Miller, Benjamin, assignor.)
Power Patents Company. (See Morgan, John D., assignor.)
Prabell, Albert, Bellevue, Ky., assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio. Bakepan unit. 2,082,973; June 8.
Pratt, Best, and G. F. Weinreich, assignors to Brake Equipment & Supply Co., Chicago, Ill. Valve structure. 2,083,086; June 8.
Pratt, Best, and G. F. Weinreich, assignors to Brake Equipment & Supply Co., Chicago, Ill. Valve structure. 2,083,087; June 8.
Pratt, Best, and G. F. Weinreich, assignors to Brake Equipment & Supply Co., Chicago, Ill. Valve structure and valve assembly. 2,083,088; June 8.
Pratt, John W. (See Lane, H., and Pratt.)
Precision Air Gauge Company. (See Hardy, James H., assignor.)
Preene, Frank H. E. (See Gruwell, C. E., and Preene.)
Pressed Steel Car Company. (See Anderson, John P., assignor.)
Pressed Steel Tank Company. (See Merker, Herman, assignor.)
Pugsley, William H., assignor to Carrick Engineering Company, Michigan City, Ind. Combustion control apparatus. 2,083,504; June 8.
Pullman-Standard Car Manufacturing Company. (See Banning, Thomas A., Jr., assignor.)
Punte, William E., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Container with rotatable spout. 2,083,471; June 8.
Quick, Augustus B., East Norwich, N. Y. Combination planing and glazing tool. 2,083,123; June 8.
Quisling, Sverre, Madison, Wis., assignor to Hookless Fastener Company, Meadville, Pa. Sliding fastener. 2,083,279; June 8.
R. C. Can Company. (See Rutkowski, Walter L., assignor.)
Radio Corporation of America. (See Anderson, Leslie J., assignor.)
Radio Corporation of America. (See Barton, L. E., and Chambers, assignors.)
Radio Corporation of America. (See Carson, Benjamin R., assignor.)
Radio Corporation of America. (See Eckersley, Thomas L., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Lunnon, F. C., and Wassell, assignors.)
Radio Corporation of America. (See Rose, George M., Jr., assignor.)
Radio Corporation of America. (See Schade, O. H., and Shepard, Jr., assignors.)
Radio Corporation of America. (See Shore, H., and Whitaker, assignors.)
Radio Corporation of America. (See Smith, Newell R., assignor.)
Radio Corporation of America. (See Wright, G. M., and Rust, assignors.)
Radio Corporation of America. (See Yerzley, Felix L., assignor.)
Raeck, Max. (See Benade, W., Fischer, and Raeck.)
Railroad Accessories Corporation. (See Beems, Edward M., assignor.)
Rambold, Adolf, Dresden, Germany. Machine for making, filling, closing, and wrapping bags. 2,083,124; June 8.
Ramsey, Webster K., Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass. Envelope. 2,083,158; June 8.
Rast, William, et al. (See Larson, Edward, assignor.)
Raw Products Limited. (See Duttweiler, Bruno, assignor.)
Rector, Laurence L., Fort Worth, Tex. Tubing head. 2,083,089; June 8.
Rector, Laurence L., Fort Worth, Tex. Casing head. 2,083,090; June 8.
Rector, Laurence L., Fort Worth, Tex. Joint seal. 2,083,091; June 8.
Reed, Lawrence E., Washington, D. C. Projection device. 2,083,472; June 8.
Reliable Electric Co. (See Fotsch, William G., assignor.)
Renner, Alfred, Berlin-Tegel, Germany, assignor to General Electric Company. Internal combustion engine. 2,083,397; June 8.
Research Agency Corporation. (See Gruwell, C. E., and Preene, assignors.)
Retz, William B. (See Brown, R. S., and Retz.)
Reversible Trailers Syndicate, Limited. (See Cunningham, Leslie B. C., assignor.)
Revolite Corporation, The. (See Bennett, Frank J., Jr., assignor.)
Reynolds Corporation. (See Coddington, Edwin D., assignor.)
Reynolds, Frederick D., St. Louis, Mo. Heel support. 2,082,974; June 8.
Rich, G. Willard. (See Smiley, Gilbert, assignor.)
Richer, Joseph R., Detroit, Mich. Screw. 2,083,092; June 8.

Richfield Oil Corporation. (See Hewes, C. K., and Chappell, assignors.)
Richmond Radiator Company, et al. (See Livar, Allen P., assignor.)
Riesgo, Ralph A., New York, N. Y. Beverage serving apparatus. 2,082,975; June 8.
Riester, Hubert, Collingswood, N. J. Screw thread cutter attachment. 2,083,473; June 8.
Riggs, Amalia de Murguiondo, Cooksville, Md. Vehicle direction indicator. 2,082,905; June 8.
Riley Stoker Corporation. (See Nahigyan, Kevork K., assignor.)
Ringer, Luther, Union Springs, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Domestic ironer. 2,083,505; June 8.
Rinker, George P., Brooklyn, Ind. Plant support. 2,083,526; June 8.
Risinger, Willie E., Minneapolis, Minn. Coiling machine. 2,082,906; June 8.
Robertson, Robert R., assignor to The Translode Joint Company, Chicago, Ill. Road joint former. 2,082,976; June 8.
Robertson, Robert R., assignor to The Translode Joint Company, Chicago, Ill. Expansion joint core. 2,082,977; June 8.
Robertson, Robert R., assignor to The Translode Joint Company, Chicago, Ill. Joint holder and edging unit. 2,082,978; June 8.
Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Support for tube frames in Axminster looms. 2,082,907; June 8.
Robertson, William W., Northboro, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Intermediate support for Axminster tube frames. 2,082,908; June 8.
Robertson, William W., Northboro, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Wire motion for looms. 2,082,909; June 8.
Robinson, Ernest Y., Enfield, England, assignor to General Electric Company. High frequency receiving apparatus. 2,083,474; June 8.
Roe, Ralph C., Englewood, N. J. Combined heating and cooling device. 2,083,159; June 8.
Rogan, John J., Brooklyn, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass. Oscillator tube. 2,083,241; June 8.
Rogers, Gerald S., Pittsburgh, Pa. Lubricating device. 2,083,035; June 8.
Rogers, Leonard M., Mendon, Mass., assignor to Draper Corporation, Hopedale, Mass. Parallel motion for looms. 2,083,276; June 8.
Rohland, Curt J., Seekonk, Mass. Package. 2,083,398; June 8.
Romig, Orlando E., Gary, Ind., assignor to American Sheet and Tin Plate Company. Manufacture of silicon steel sheets. 2,083,275; June 8.
Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic discharge device. 2,083,346; June 8.
Rooke, James B., Richmond, Va. Sunken ship marker and relief buoy. 2,083,306; June 8.
Rorrer, Charles E., and A. R. Mitterer, assignors to Stadium Stores, Inc., Denver, Colo. Show case. 2,083,093; June 8.
Rose, Alfred G. (See Wood, D., and Rose.)
Rose, Ernest, Washington, D. C., assignor to International Business Machines Corporation, New York, N. Y. Filing drawer. 2,083,399; June 8.
Rose, George M., Jr., Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America. Stem for electron discharge devices. 2,082,848; June 8.
Rose, Jess E., assignor to Motion Picture Electric Products, Los Angeles, Calif. Focusing means for incandescent studio spotlights. 2,083,306; June 8.
Rose, John R., University City, J. C. Cox, and F. H. Maas, assignors to Wagner Electric Corporation, St. Louis, Mo. Honing tool. 2,083,400; June 8.
Rose, Lawrence J., St. Louis, Mo. Dispensing device with regulated measuring means. 2,083,094; June 8.
Rosenman, Herman, Newark, N. J. Skipping or slipping of stitches with a sewing machine. 2,083,095; June 8.
Ross, Hugh M., Woodhaven, N. Y. Seaming machine. 2,083,401; June 8.
Ross, Malcolm R., Macon, Ga. Garment hanger. 2,082,910; June 8.
Ross, Oscar A., New York, assignor to General Railway Signal Company, Rochester, N. Y. Automatic ballast compensating means for railway track circuits. 2,083,475; June 8.
Rossin, Donald F., Goodwin, S. Dak. Pocket paper punch. 2,083,476; June 8.
Rowe, Hobart E., Schenectady, N. Y., assignor to General Electric Company. Electrode mounting for pool-type discharge devices. 2,083,402; June 8.
Rowe, Lawrence A., Oak Park, assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Record card box for railway equipment. 2,083,403; June 8.
Ruau, Felix F., Deptford, London, England. Apparatus for controlling tobacco feeding mechanism. 2,083,173; June 8.
Rudmann, Demeter, Fiume, Italy. Depth-regulator for submarine mines in tidal waters. 2,082,849; June 8.
Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Direction finding. 2,083,242; June 8.
Rust, Noël M. (See Wright, G. M., and Rust.)
Rutkowski, Walter L., Normandy, assignor to R. C. Can Company, St. Louis, Mo. Spool. 2,083,096; June 8.
Sandt, Julius, Pirmasens, Germany. Cutting press. 2,083,097; June 8.
Saul, George N., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,083,404; June 8.
Savage, John L. (See Kinzie, P. A., Savage, and Martin.)
Schade, Otto H., West Caldwell, and F. H. Shepard, Jr., Rutherford, N. J., assignors to Radio Corporation of America. Automatic gain control and noise suppression circuits. 2,083,243; June 8.
Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Variable resistance device. 2,082,979; June 8.
Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Variable resistance. 2,082,980; June 8.
Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Resistance element. 2,083,507; June 8.
Scheuble, Rudolf, Vienna, Austria, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Purification of synthetic methanol. 2,083,125; June 8.
Schick, Jacob, Stamford, Conn. Electric motor. 2,083,405; June 8.
Schlemper, Paul, Ohligs, Germany. Tool for cutting the loops of velvet and like pile fabrics. 2,083,406; June 8.
Schlesinger, Kurt, Berlin, Germany. Arrangement for generating tilting oscillations. 2,083,202; June 8.
Schlesinger, Kurt, Berlin, Germany. Braun tube. 2,083,203; June 8.
Schlesinger, Kurt, Berlin, Germany. Braun tube. 2,083,204; June 8.
Schlesinger, Kurt, Berlin, Germany. Safety means for television tubes. 2,083,205; June 8.
Schlumbohm, Peter, New York, N. Y. Refrigerating system. 2,082,850; June 8.
Schmidt, Henry G., Modesto, Calif. Folding box. 2,083,036; June 8.
Schmidt, Lambert, Leeds, N. Y. Circuit breaker. 2,083,508; June 8.
Schmidt, Lambert, Leeds, N. Y. Circuit breaker. 2,083,509; June 8.
Schmittgen, William A., assignor to The General Industries Company, Elyria, Ohio. Phonograph turntable drive. 2,083,037; June 8.
Schneckloth, Harry H., Forest Hills, N. Y., assignor to American Telephone and Telegraph Company. Switch. 2,082,911; June 8.
Schoeller, Walther, Duren/Rhineland, Germany. Safety paper. 2,083,206; June 8.
Scholler, Heinrich, Solln, near Munich, and R. Eickemeyer, Tornesch/Holstein, Germany. Method of fermenting solutions and producing yeast. 2,083,347; June 8.
Scholler, Heinrich, Solln, near Munich, and R. Eickemeyer, Munich, Germany. Apparatus for the production of micro-organisms and for the fermentation of solutions. 2,083,348; June 8.
Schreiber, Harry, Detroit, Mich. Shock absorbing bumper. 2,083,038; June 8.
Schreiner, George A., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Cloth finishing. 2,082,981; June 8.
Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Heinitz, Woldemar, assignor.)
Schultz, Jesse E., Albany, Wis. Grading machine. 2,083,307; June 8.
Schumacher, Madeleine, Seattle, Wash. Kitchen tool. 2,082,982; June 8.
Schwartz, Russell P., Rochester, N. Y. Foot measuring device. 2,082,912; June 8.
Scott, Arthur L., Holicong, Pa. Motor mounting. 2,083,277; June 8.
Scott & Williams, Incorporated. (See Page, A. E., and Swinglehurst, assignors.)
Scranton, De Hart G., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for removing coatings. 2,083,407; June 8.
Searls, Edward M., Madison, Wis. Spraying apparatus. 2,083,039; June 8.
Sears Roebuck and Co., et al. (See Livar, Allen P., assignor.)
Seidner, Aladar, et al. (See Butow, Abe M., assignor.)
Semans, George G., Pittsburgh, Pa. Valve. 2,083,244; June 8.
Senn, Emil, Reihen, near Basel, assignor to the firm of J. R. Geigy A. G., Basel, Switzerland. Monoazo-dyestuffs and their manufacture. 2,083,308; June 8.
Servel, Inc. (See Kuenzli, W. A., and Leeson, assignors.)
Sessions, Alwyn C., New Brunswick, N. J., assignor to California Spray-Chemical Corporation, Berkeley, Calif. Parasiticidal composition. 2,083,098; June 8.
Seybold, Frederick W., Westfield, assignor, by mesne assignments, to American Type Founders, Inc., Elizabeth, N. J. Printing press. 2,083,099; June 8.
Seyl, Joseph C., Evanston, Ill. Filing cabinet. 2,083,349; June 8.
Shaffer, Cleve F., San Francisco, Calif. Game. 2,082,983; June 8.
Shawkee Manufacturing Company. (See Haub, George R., assignor.)

Shepard, Francis H., Jr. (See Schade, O. H., and Shepard, Jr.)
Sheperdson, John W., M. Morgan, and J. M. O'Malley, assignors to Morgan Construction Company, Worcester, Mass. Rolling mill. 2,083,100; June 8.
Shoemaker, Bernard H. (See Taylor, K., and Shoemaker.)
Shook, Florain J., Akron, Ohio, assignor to National-Standard Company, Niles, Mich. Apparatus for winding tire beads. 2,083,350; June 8.
Shore, Henry, Elizabeth, N. J., and J. N. Whitaker, Tuckahoe, N. Y., assignors to Radio Corporation of America. Picture reproducing apparatus. 2,083,245; June 8.
Shuey, Ralph C., Mountain Lakes, N. J., assignor to Bakelite Corporation, New York, N. Y. Coated leather. 2,083,040; June 8.
Shuman, Laurence, Philadelphia, Pa. Pulverized coal burner. 2,083,126; June 8.
Sibbald, J. R., et al. (See Larson, Edward, assignor.)
Sidebotham, Melvin H., West Newton, assignor to Specialty Automatic Machine Company, Medford, Mass. Manufacture of corrugated paper cartons. 2,083,351; June 8.
Signal Engineering & Manufacturing Company. (See Ebert, J. F., and Squire, assignors.)
Simard, Rodolphe J., Lynn, Mass. Cooling system and apparatus for beverage dispensers. 2,083,477; June 8.
Simons, Julius, Philadelphia, Pa. Static eliminator. 2,083,478; June 8.
Simpson, Napoleon B., San Francisco, Calif. Valve. 2,083,101; June 8.
Sinclair Refining Company. (See Isom, Edward W., assignor.)
Singer Manufacturing Company, The. (See Becker, Rudolph, assignor.)
Singer Manufacturing Company, The. (See Naul, James M., assignor.)
Singiser, John P., Chicago, Ill., assignor to The American Laundry Machinery Company, Norwood, Ohio. Operating and control mechanism for pressing machines. 2,082,913; June 8.
Sipe, Harry E., New York, N. Y., assignor to Hookless Fastener Company. Separable interlocking fastener. 2,083,278; June 8.
Skluth, Gladys. (See Spear, M., and Skluth.)
Slough, Ralph M., assignor to The Ohio Oil Company, Findlay, Ohio. Safety sign. 2,083,102; June 8.
Smiley, Gilbert, Brighton, Mass., assignor, by mesne assignments, to G. Willard Rich. Electronic musical instrument. 2,083,246; June 8.
Smith, A. O., Corporation. (See Larson, Louis J., assignor.)
Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,083,127; June 8.
Smith, Maurice C., Jr. (See Heilhecker, Eugene C., assignor.)
Smith, Newell R., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,082,851; June 8.
Smith, Raymond D., Pleasantville, N. Y. Heating appliance with timer. 2,082,985; June 8.
Smith, Roland L., Belmont, Mass. Razor handle. 2,083,172; June 8.
Smith, S., Irma, Springfield, Mo. Cattle guard. 2,082,984; June 8.
Smith, S. Morgan Company. (See Brisbane, E. C., and Bischoff, assignors.)
Smithe, Ferdinand L., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Embossing means for envelope making machines. 2,083,352; June 8.
Smithe, F. L., Machine Co. Inc. (See Smithe, Ferdinand L., assignor.)
Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company. Cordeau and manufacturing same. 2,083,174; June 8.
Societe de Boulonnerie et de Matricage de Precision. (See Vaurs, Baptiste, assignor.)
Société d' Electricité Mors. (See Le Goff, Lucien J. A., assignor.)
Société de Moteurs à Gaz et d' Industrie Mecanique. (See Lamère, André, assignor.)
Societe des Usines Chimiques Rhone, Poulenc. (See Fluchaire, M., and Javorski, assignors.)
Society of Chemical Industry in Basle. (See Bonhôte, G., and Wirz, assignors.)
Society of Chemical Industry in Basle. (See Zweifel, H., Graenacher, Grether, and Straub, assignors.)
Soderberg, Carl R., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine blade lashing. 2,082,914; June 8.
Solomon, Nathan L., Brooklyn, N. Y. Hair waver. 2,082,993; June 8.
Sontag, Oskar, Lichte, Germany. Ampul of the multiple compartment type. 2,082,915; June 8.
South Bend Bait Company. (See Burge, Floyd O., assignor.)
Southern Wood Preserving Company. (See Harvey, Jacquelin E., Jr., assignor.)
Sparks, Henry O., Denver, Colo. Beet harvester. 2,083,128; June 8.
Spayd, Fred M., Van Wert, Ohio. Beer tap fitting. 2,083,281; June 8.
Spear, May, Jackson Heights, and G. Skluth, Woodside, N. Y. Fastening device. 2,083,129; June 8.
Speare, Albert R., Weston, Mass. Pack for dispensing lubricating oils. 2,083,479; June 8.
Specialty Automatic Machine Company. (See Sidebotham, Melvin H., assignor.)
Speidel Corporation. (See Fassnacht, Karl, assignor.)
Spence, William D., Temple, Ga. Sinker and liquid level determining device for vessels. 2,083,480; June 8.
Spencer, Philip L. (See Watson, C. E., and Spencer.)
Spencer, Philip L., assignor to Watson-Williams Manufacturing Company, Millbury, Mass. Bobbin clamping device. 2,083,481; June 8.
Sperry Gyroscope Company. (See Bassett, Preston R., assignor.)
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,082,810; June 8.
Squire, Edmund M. (See Ebert, J. F., and Squire.)
Stadium Stores, Inc. (See Rorrer, C. E., and Mitterer, assignors.)
Stafford, W. E., et al. (See Gerdin, Olof B., assignor.)
Staley, Joseph H., Columbus, Ind. Protected terminal. 2,082,986; June 8.
Standard-Johnson Company. (See Donnellan, Edward P., assignor.)
Standard Mailing Machines Company. (See Storck, Frederick W., assignor.)
Standard Oil Company. (See Ducommun, Jesse C., assignor.)
Standard Oil Company. (See Greenlee, Charles O., assignor.)
Standard Oil Company. (See Taylor, K., and Shoemaker, assignors.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail-transferring device. 2,082,852; June 8.
Stein, Irving M., assignor to Leeds & Northrup, Company, Philadelphia, Pa. Potentiometer. 2,083,408; June 8.
Stein, Leonhard. (See Bockmühl, M., Ehrhart, and Stein.)
Steindorff, Adolf, G. Balle, and P. Heimke, Frankfort-on-the-Main, and K. Horst, Hofheim-on-the-Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Carbocyclic compounds containing acid salt-forming groups. 2,083,482; June 8.
Steiner, Joseph C., St. Louis, Mo. Weed cutting device. 2,083,103; June 8.
Steinhilper, Andrew P., Williamsport, Pa. Electric razor. 2,082,987; June 8.
Stevens, William H. N., Columbus, Ohio. Reenforced construction for art glass windows. 2,083,409; June 8.
Stigers, Melburne, Tucson, Ariz. Cam engine. 2,083,510; June 8.
Stiver, Charles W., Saginaw, Mich. Boat construction. 2,083,410; June 8.
Stoeckly, Johann J., and R. Bartunek, Teltow, near Berlin, Germany, assignors to North American Rayon Corporation. Manufacture of artificial filaments. 2,083,041; June 8.
Stoikowitz, Alexander, Hammond, Ind. Internal combustion engine. 2,082,853; June 8.
Stone, Abraham, Brooklyn, N. Y. Collapsible wardrobe. 2,083,207; June 8.
Storck, Frederick W., Arlington, assignor to Standard Mailing Machines Company, Everett, Mass. Sheet moistening device for duplicators. 2,083,042; June 8.
Storck, Frederick W., Arlington, assignors to Standard Mailing Machines Company, Everett, Mass. Reverse motion stop for duplicators. 2,083,043; June 8.
Storck, Frederick W., Arlington, assignor to Standard Mailing Machines Company, Everett, Mass. Combined clamp release and motion stop for duplicators. 2,083,044; June 8.
Stratford, Herbert R., Cleveland, Ohio, assignor to The Stratmore Company, Wilmington, Del. Surfacing apparatus. 2,082,916; June 8.
Stratmore Company, The. (See Stratford, Herbert R., assignor.)
Straub, Fritz. (See Zweifel, H., Graenacher, Grether, and Straub.)
Streitwolf, Frieda, Administratrix. (See Fehrle, A., Streitwolf, and Fritsche.)
Streitwolf, Karl. (See Fehrle, A., Strietwolf, and Fritzsche.)
Strezoff, Bogola, Minneapolis, Minn. Separable scissor construction. 2,083,483; June 8.
Sturtevant, B. F., Company. (See Hagen, Harold F., assignor.)
Sturtevant, B. F., Company. (See Hamilton, F. J., and Anderson, assignors.)
Sundberg, Carl E., assignor to J. P. Danielson Co., Inc., Jamestown, N. Y. Wrench set holder. 2,083,130; June 8.
Sundstrand Machine Tool Co. (See Swanson, Fred R., assignor.)
Sunesson, Erik B. F., Skoghall, Sweden. High quality products from cellulose. 2,083,280; June 8.

Surface Combustion Corporation. (See Branche, N. T., and Bichowsky, assignors.)
Sutherland, Leslie T., Yonkers, assignor to The Barrett Company, New York, N. Y. Laminated products and making. 2,082,854; June 8.
Swanson, Fred R., Rockford, assignor to Sundstrand Machine Tool Co., Rockford, Ill. Controller. 2,083,411; June 8.
Swinglehurst, Harry, Jr. (See Page, A. E., and Swinglehurst.)
Tannewitz, Edward F., assignor to Detroit Gasket and Manufacturing Company, Detroit, Mich. Glass run for slidable windows. 2,083,353; June 8.
Tark, Marcus B., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Mixing and coagulating device. 2,082,855; June 8.
Taskila, Aulis E., Negaunee, Mich. Multiple fastener. 2,082,988; June 8.
Taylor Colquitt Co. (See Jones, W. E., and Taylor, assignors.)
Taylor, James D. (See Jones, W. E., and Taylor.)
Taylor, Kenneth, Chicago, Ill., and B. H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricating oil. 2,083,247; June 8.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Runge, Wilhelm, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Walter, Ludwig, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Weber, Rudolf, assignor.)
Teres, William, New York, N. Y. Ornamental woven fabric and making the same. 2,083,248; June 8.
Thau, Francis A., Jersey City, N. J. Brake shoe. 2,082,856; June 8.
Thelen, John E. (See Macino, P. C., Cross, and Thebaud.)
Thomas, James A., Los Angeles, Calif., and G. E. Allen, New York, N. Y. Fireproofing of buildings. 2,083,104; June 8.
Thompson, Albert R., assignor to Food Machinery Corporation, San Jose, Calif. Syrup valve. 2,082,917; June 8.
Thompson Manufacturing Company. (See Thompson, Walter Van E., assignor.)
Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Sprinkler having adjustable port openings. 2,083,282; June 8.
Thomsen, Alfred M., San Francisco, Calif. Extraction of magnesium and bromine from sea water. 2,082,989; June 8.
Thomson, Joseph B., Brooklyn, N. Y. Photographic method and product resulting therefrom. 2,083,249; June 8.
Thoroughgood, Charles, and H. J. McLaughlin, New York, N. Y. Reflector attachment for flashlights. 2,082,857; June 8.
Thorup, Sidney E., West Roxbury, Mass. Golf tee. 2,082,811; June 8.
Tinus, William C. (See Newhouse, R. C., and Tinus.)
Titanium Alloy Manufacturing Company, The. (See Kinzie, C. J., Plunkett, and Commons, assignors.)
Tobin, Max. (See Anderson, C. A., and Tobin.)
Tofaute, Walter, Essen, Germany, assignor to The Nitralloy Corporation. Structural parts having high permanent strength. 2,083,208; June 8.
Tolley, Donald B., and D. H. Hill, assignors to Globe American Corporation, Kokomo, Ind. Brooder for chicks. 2,082,990; June 8.
Tornebohm, Kenneth A., assignor to J. P. Danielson Co., Inc., Jamestown, N. Y. Wrench set holder. 2,083,131; June 8.
Totzek, Friedrich, Essen Stoppenberg, Germany, assignor, by mesne assignments, to Koppers Company. Coke oven. 2,082,858; June 8.
Translode Joint Company, The. (See Robertson, Robert R., assignor.)
Tret O Lite Company, The. (See De Groote, Melvin, assignor.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Triumphator Werk m. b. H. (See Modes, E., Honz, and Hennig, assignors.)
Trojan Powder Company. (See Snelling, Walter O., assignor.)
Troxel Mfg. Company, The. (See Faulhaber, Roland W., assignor.)
Trucksoss, David E. (See Jutson, R. P., and Trucksoss.)
Turco, Generoso, Brooklyn, N. Y. Device for cleansing and sterilizing combs. 2,082,991; June 8.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Means to prevent vibration of shuttle box forming elements. 2,082,918; June 8.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Magazine for shuttle changing looms. 2,082,919; June 8.
Tuttle, Malcolm H., New Rochelle, assignor to Max B. Miller & Co., Inc., New York, N. Y. Refining mineral oil. 2,083,511; June 8.
Twin Coach Company. (See Fageol, William B., assignor.)
Tye, Aulmont W., Spokane, Wash. Trailer. 2,082,920; June 8.
Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)
Union Switch & Signal Company, The. (See Caille, Georges, assignor.)
Union Switch & Signal Company, The. (See Pelikan, John M., assignor.)
Union Switch & Signal Company, The. (See Pelikan, J. M., and Young, assignors.)
Union Switch & Signal Company, The. (See Young, H. S., and Bone, assignors.)
United Autographic Register Co. (See Jensen, Louis, assignor.)
United Shoe Machinery Corporation. (See Calleo, Joseph, assignor.)
United Shoe Machinery Corporation. (See Lane, H., and Pratt, assignors.)
United Shoe Machinery Corporation. (See Mackensen, William, assignor.)
United Shoe Machinery Corporation. (See Standish, John F., assignor.)
United Shoe Machinery Corporation. (See Warren, Harold, assignor.)
United Shoe Machinery Corporation. (See Weber, Lewis F., assignor.)
United States Envelope Company. (See Ramsey, Webster K., assignor.)
Unitpak Corporation. (See Ness, Edward F., assignor.)
Universal Hydraulic Corporation. (See Kinzie, P. A., Savage, and Martin, assignors.)
Universal Oil Products Company. (See Alther, Joseph G., assignor.)
Universal Oil Products Company. (See Lowry, C. D., Jr., and Dryer, assignors.)
Vaurs, Baptiste, assignor to Societe de Boulonnerie et de Metricage de Precision, Paris, France. Locking device for nuts. 2,083,045; June 8.
Vetorino, Frank, Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Cylinder door fastening means. 2,082,921; June 8.
Villem, Raymond. (See Bouvier, P., and Villem.)
Vltek, Charles, Omaha, Nebr. Can opener and dispenser. 2,082,922; June 8.
Voke, Carl E., Columbus, Ohio. Closure. 2,082,923; June 8.
Von Ardenne, Manfred, Berlin, Germany. Braun tube. 2,083,209; June 8.
Von Orelli, Edward. (See Arnold, Gustav, assignor.)
Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Solvent extraction. 2,083,250; June 8.
Wagner Electric Corporation. (See Andrews, Cyrll M., assignor.)
Wagner Electric Corporation. (See Brunner, Albert, assignor.)
Wagner Electric Corporation. (See Rose, J. R., Cox, and Maas, assignors.)
Wagner, Harold A. (See Yager, G. F., Heath, and Wagner.)
Walker, Chauncey M., assignor to A. R. Kimmick, Detroit, Mich. Display sign holder. 2,082,859; June 8.
Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Company, Inc., Belleville, N. J. Method and apparatus for supplying gas. 2,083,112; June 8.
Wallace & Tiernan Company. (See Wallace, Charles F., assignor.)
Wallace, Wilford B., Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Molded base with contacts. 2,082,992; June 8.
Wallbillich, Anthony F., Hollis, assignor to Leviton Manufacturing Company, Brooklyn, N. Y. Receptacle. 2,082,994; June 8.
Walter, Ludwig, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. High frequency cable. 2,082,860; June 8.
Wamelink, Eugene C., Cleveland, Ohio, T. E. McNamara administrator for E. C. Wamelink, deceased. Spark plug. 2,083,283; June 8.
Warg, Charles A., assignor to McClave-Brooks Company, Scranton, Pa. Grate bar. 2,083,284; June 8.
Warren, Harold, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoe parts. 2,082,861; June 8.
Warren, S. D., Company. (See Frost, Frederick H., assignor.)
Wassell, Harold J. H. (See Lunnon, F. C., and Wassell.)
Watson, Clifton E., Worcester, and P. L. Spencer, assignors to Watson-Williams Manufacturing Company, Millbury, Mass. Heddle frame. 2,082,925; June 8.
Watson, Edward F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Printing telegraph system. 2,082,924; June 8.
Watson-Williams Manufacturing Company. (See Spencer, Philip L., assignor.)
Watson-Williams Manufacturing Company. (See Watson, C. E., and Spencer, assignors.)
Wattie, William M. (See Gordon, A. A., and Wattie.)
Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle box control for shuttle changing looms. 2,082,926; June 8.
Weber, Lewis F., New Rochelle, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Locating device. 2,082,862; June 8.

Weber, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Remote control of radio apparatus. 2,083,105; June 8.
Weinreich, George F. (See Pratt, B., and Weinreich.)
Weisgerber, Edwin C., Los Angeles, Calif., assignor to Master Separator and Valve Company. Oil and gas separator. 2,082,863; June 8.
Weist, Glenn E., assignor to The Kron Co., Bridgeport, Conn. Weighing scale. 2,083,413; June 8.
Wellman Engineering Company, The. (See Case, Arthur F., assignor.)
Wellman Seaver Rolling Mill Company Limited. (See McLay, Gavin S., assignor.)
Werner, Le Roy O., Wheeling, W. Va. Golf club. 2,083,175; June 8.
Westcott Electric Casting Corporation. (See Hoke, Walter W., assignor.)
Western Electric Company. (See Scranton, De Hart G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, F. H., and Dawson, assignors.)
Westinghouse Electric & Manufacturing Company. (See Gustin, Daniel S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lindstrom, Ture, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lingal, Harry J., assignor.)
Westinghouse Electric and Manufacturing Company. (See Lorenz, Charles F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Soderberg, Carl R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wallace, Wilford B., assignor.)
Westinghouse X-Ray Company. (See Lundquist, Stanley E., assignor.)
Wettig, Theodore A., Cincinnati, Ohio. Rail chuck for machine tools. 2,083,414; June 8.
Whitaker, James N. (See Shore, H., and Whitaker.)
White, William M., Milwaukee, Wis. Hydraulic turbine. 2,082,927; June 8.
Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stop motion for looms. 2,082,864; June 8.
Whitin Machine Works. (See Crockett, Frank L., assignor.)
Whittier, John G., Maplewood, N. J. Joint. 2,083,354; June 8.
Wigness, Cornelius R., and J. W. Kirby, Harlan, Iowa. Well drilling mechanism. 2,082,865; June 8.
Wilcox, Isaac L., assignor to Oswego Falls Corporation, Fulton, N. Y. Container. 2,082,995; June 8.
Wilhelmy, Helen M., Shaker Heights, assignor to The Ohio Rubber Company, Willoughby, Ohio. Vehicle floor mat. 2,082,928; June 8.
Willard, Donald E. (See Blake, Dennis B. D., assignor.)
Williams, Robert C., and H. M. Bone, Columbus, assignors, by mesne assignments, to Owen-Illinois Glass Company, Toledo, Ohio. Method and product for treating glass wool. 2,083,132; June 8.
Willson, George F., Cleveland Heights, Ohio, assignor to Acheson Colloids Corporation, New York, N. Y. Lubrication of rubber. 2,083,176; June 8.
Wimmenauer, Paul E., Washington, Ind. Baseball player's shoe cleat. 2,083,177; June 8.
Winograd, Harold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric valve system. 2,083,133; June 8.
Winthrop Chemical Company. (See Bockmühl, M., Ehrhart, and Stein, assignors.)
Winthrop Chemical Company. (See Fehrle, A., Strietwolf, and Fritsche, assignors.)
Wintroath, John A., Los Angeles, Calif., assignor to Wintroath Pumps, Ltd., Alhambra, Calif. Valve device for submersible well pumps. 2,082,996; June 8.
Wintroath Pumps, Ltd. (See Wintroath, John A., assignor.)
Wirz, Adolf. (See Bonhôte, G., and Wirz.)
Wolfson, Isadore D., Woodmere, N. Y. Adjustable necktie. 2,083,106; June 8.
Wood, Dennis, Manchester, and A. G. Rose, Gainsborough, England. Apparatus for making truncated conical tubes. 2,083,210; June 8.
Wood, Merrill A., Rochester, N. Y. Mounting means for electrical switch boxes and the like. 2,083,415; June 8.
Wood, Ronald E., Chicago, Ill. Brush. 2,083,134; June 8.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Loading and unloading container cars. 2,083,178; June 8.
Work, Lincoln T., New York, N. Y. Making cement. 2,083,179; June 8.
Work, Lincoln T., New York, N. Y. Clinker brick refractories. 2,083,180; June 8.
Worrall, Robert H., Washington, D. C. Selective antennae. 2,082,812; June 8.
Wright, George M., and N. M. Rust, Chelmsford, England, assignors to Radio Corporation of America. Oscillation generator comprising electron discharge devices. 2,082,813; June 8.
Yager, George F., O. J. Heath, and H. E. Wagner, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio. Metal working machine. 2,082,929; June 8.
Yerzley, Felix L., Ithaca, assignor to Radio Corporation of America, New York, N. Y. Thermionic tube. 2,083,107; June 8.
Young, Henry S. (See Pelikan, J. M., and Young.)
Young, Henry S., Wilkinsburg, and H. L. Bone, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling railway switches. 2,082,930; June 8.
Young, Henry S., Wilkinsburg, and H. L. Bone, Forest Hills, assignors to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling railway switches. 2,082,931; June 8.
Young, Henry S., Wilkinsburg, and H. L. Bone, Forest Hills, assignors to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling railway switches. 2,082,932; June 8.
Young, Henry S., Wilkinsburg, and H. L. Bone, Forest Hills, assignors to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling railway switches. 2,082,933; June 8.
Youngstown Sheet & Tube Company, The. (See Mishler, Earnest W., assignor.)
Zampol, Peter, assignor to Permaflex Mold and Model Corporation, Detroit, Mich. Flexible mold. 2,083,184; June 8.
Zetzsche, Walther, and H. Faber, Premnitz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Making a substitute for wool from viscose. 2,082,814; June 8.
Zuschlag, Theodor, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Electrical analysis apparatus. 2,082,997; June 8.
Zweifel, Henri, Benningen, near Basel, and C. Graenacher, E. Grether, and F. Straub, assignors to "Society of Chemical Industry in Basle," Basel, Switzerland. Composition of matter for dyeing animal fibers. 2,083,181; June 8.
Zweifel, Henri, Binningen, near Basel, and C. Graenacher, E. Grether, and F. Straub, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Composition of matter for dyeing animal fibers. 2,083,182; June 8.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Air cooling attachment for electric fans. C. Adler, Jr. 20,393; June 8.
Fan. E. L. Anderson. 20,394; June 8.
Hole drilling device, Straight. V. E. Stroud. 20,405; June 8.
Link connection for automotive vehicles. J. W. Leighton. 20,399; June 8.
Plastic material in the manufacture of pottery, Feeding and forming. W. J. Miller. 20,401; June 8.
Plate straightening machine. F. Ungerer. 20,404; June 8.
Refrigerating apparatus. E. D. Misner. 20,402; June 8.
Register and grille. J. A. Germonprez. 20,397; June 8.
Short wave converter. H. M. Lewis. 20,400; June 8.
Supporting mechanism for straightening rolls of plate straightening machines, Adjustable. F. Ungerer. 20,403; June 8.
Tone compensation in sound reproducing apparatus, Method and apparatus for. R. E. Bowley. 20,395; June 8.
Tool, Removable straightening. W. R. Keever. 20,398; June 8.
Turbine arrangement, Parallel flow. F. R. Ericson and A. D. Somes. 20,396; June 8.

LIST OF PLANT INVENTIONS

Lily of the Valley plant. S. C. Baston. 250; June 8.
Rose. H. A. Verschuren. 249; June 8.

LIST OF DESIGN INVENTIONS

Alphabet and numeral cut-out sheet. C. Hensel. 104,856; June 8.
Apron. L. Rogow. 104,879; June 8.
Ashtray. W. E. Mackelfresh, Jr. 104,866; June 8.
Badge or similar article. J. F. Fleitas. 104,842; June 8.
Basket or analogous article, Lunch. V. K. Shuttleworth. 104,886; June 8.
Bed. A. G. Feldman. 104,838; June 8.
Board for wringers, Drain. J. L. Perkins. 104,876; June 8.
Bootjack. C. F. Decker, 4th. 104,834; June 8.
Bottle. J. L. Dunnock. 104,835; June 8.
Bottle and eyecup, Combined. S. Rosengart. 104,881; June 8.
Box, Display. B. S. Katz. 104,861; June 8.
Bracket for an illuminating device. J. A. Korengold. 104,862; June 8.
Brush back. J. Rabusen. 104,878; June 8.
Brush, Bath. B. J. Ryan, Jr. 104,904; June 8.
Buckle. C. S. Felch. 104,843; June 8.
Cabinet or similar article, Lubricant apparatus. H. Van Doren and J. McL. Little. 104,891; June 8.
Cabinet, Phonograph. L. J. Andres. 104,828; June 8.
Case, Piano. S. E. Zack. 104,895–6; June 8.
Chair, Lounge. W. H. McKinley and E. M. Johnson. 104,868; June 8.
Chest of drawers. A. G. Feldman. 104,840; June 8.
Chifforobe. A. G. Feldman. 104,839; June 8.
Condiment set. M. Lucas. 104,898; June 8.
Crib. A. G. Feldman. 104,841; June 8.
Desk unit, Fountain pen holder. L. Vavrik. 104,893; June 8.
Dispenser and canopy, Combined gas. I. L. Tucker. 104,889; June 8.
Dress. A. E. Levy. 104,865; June 8.
Dress. G. Radeck. 104,903; June 8.
Dress ensemble. M. Michelson. 104,870; June 8.
Fabric, Knitted. J. Minoff. 104,871; June 8.
Fabric, Textile. J. Heim. 104,853–5; June 8.
Fabric, Textile. J. Heim. 104,905–7; June 8.
Fabric, Textile. J. H. Huelat. 104,909; June 8.
Fabric, Textile. W. F. Kaplan. 104,857–60; June 8.
Fabric, Tufted candlewick textile. M. Mitler. 104,901–2; June 8.
Fruit juicer. B. B. Manaster. 104,900; June 8.
Gaiter or similar article. L. L. Rosenfield. 104,880; June 8.
Gauge. R. D. McIntosh. 104,867; June 8.
Glove. B. F. Beverly. 104,830; June 8.
Glove. S. M. Straus. 104,908; June 8.
Goblet. E. W. Fuerst. 104,844; June 8.
Heater. J. R. Morgan. 104,872–3; June 8.
Heel. W. Schwartz. 104,883; June 8.
Holder, Pad. M. Beck. 104,829; June 8.
Lamp, Wall bracket. E. R. Goodman. 104,845–8; June 8.
Lens, Automobile signal. R. F. Stoddard. 104,888; June 8.
Lubricant dispensing apparatus or similar article. H. Van Doren and J. McL. Little. 104,890; June 8.
Lubricant dispensing apparatus or similar article. H. Van Doren and J. McL. Little. 104,892; June 8.
Mixer, Food. E. Newnham and W. H. Fischer. 104,875; June 8.
Mounting for rings. J. E. Lemmon. 104,863–4; June 8.
Necktie. R. Ross. 104,882; June 8.
Panel, Air conditioning control. F. A. Selje. 104,885; June 8.
Paper or similar article, Wrapping. E. J. Das. 104,833; June 8.
Plate or similar article. H. O. Ebeling. 104,836; June 8.
Platter or similar article. H. O. Ebeling. 104,837; June 8.
Rack and cabinet, Combination merchandise display. S. D. Heed. 104,852; June 8.
Range or similar article. D. L. Hadley and C. A. Sipe. 104,850; June 8.
Range or similar article. C. A. Sipe. 104,887; June 8.
Refrigerator container unit, Multiple compartment. L. H. Scurlock. 104,884; June 8.
Ring, Finger. J. J. Gruen. 104,849; June 8.
Scarf, Table. A. Traum. 104,911; June 8.
Shoe. L. D. Morrell. 104,874; June 8.
Shoe or similar article. A. Perugia. 104,877; June 8.
Sign. H. C. Hammer. 104,851; June 8.
Standard and hopper for a food shredder, Combined. J. M. Majewski, Jr. 104,899; June 8.
Stocking. C. W. Campbell. 104,831; June 8.
Tank, Trailer. R. A. Bradley. 104,897; June 8.
Thermometer. J. L. Chaney and R. C. Wappner. 104,832; June 8.
Water heating apparatus. G. Sands. 104,910; June 8.
Wheel, Steering. J. D. Villas. 104,894; June 8.
Wrench. N. F. McNaught. 104,869; June 8.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abradant and holder therefor. J. W. Gottschalk and S. W. Grater. 2,083,151; June 8.
Acidproof tank. R. Neuhaus. 2,083,469; June 8.
Agitator. M. Gaertner. 2,082,796; June 8.
Air blast to ore smelting furnaces, Method of and apparatus for automatically distributing. J. H. Q. Burke. 2,083,046; June 8.
Air conditioning system. N. T. Branche and F. R. Bichowsky. 2,083,002; June 8.
Air conditioning system, Vehicle. T. A. Banning, Jr. 2,083,286; June 8.
Air conditioning system utilizing refrigeration. F. J. Hamilton and S. M. Anderson. 2,082,957; June 8.
Air delivery device. J. H. Hardy. 2,082,886; June 8.
Air heater. J. F. Herbert. 2,083,493; June 8.
Airscrew. A. H. R. Fedden and F. M. Owner. 2,083,439; June 8.
Airship. S. J. Chapas. 2,083,051; June 8.
Alarm apparatus, Burglar. B. Goldstone. 2,083,118; June 8.
Alarm signal station. R. S. Edwards. 2,083,324; June 8.
Alcohols, Amino. M. Bockmühl, G. Ehrhart, and L. Stein. 2,083,001; June 8.
Alloy, Corrosion resistant. P. Payson. 2,083,524; June 8.
Amines, Preparation of diaryl. M. F. Acken. 2,082,815; June 8.
Ampul of the multiple compartment type. O. Sontag. 2,082,915; June 8.
Anchor, Check line. J. J. Halvorson. 2,083,163; June 8.
Animal trap. D. R. Knapp. 2,083,451; June 8.
Antenna arrangement. P. Bouvier and R. Villen. 2,082,820; June 8.
Antenna, Selective. R. H. Worrall. 2,082,812; June 8.
Antidiabetic substance. C. E. Gruwell and F. H. E. Preene. 2,082,952; June 8.
Apparatus for removing coatings. De H. G. Scrantom. 2,083,407; June 8.
Arch support, Adjustable. W. H. Hubbard. 2,082,891; June 8.
Articles direct from latex solution, Apparatus for the manufacture of. S. W. Alderfer. 2,083,211; June 8.
Auto lock. V. L. Gilpin. 2,083,161; June 8.
Automobile headlining. J. H. Mackay. 2,083,030; June 8.
Awning, Protective. J. T. Brent. 2,082,777; June 8.
Axle, Vehicle. G. M. Palmer. 2,083,085; June 8.
Bag closing and sealing machine. H. Anderson. 2,083,417; June 8.
Bakepan unit. A. Prabell. 2,082,973; June 8.
Ball catching and pitching machine. H. G. Atwell. 2,082,818; June 8.
Ballast compensating means for railway track circuits, Automatic. O. A. Ross. 2,083,475; June 8.
Band for vulcanizing machines, Pressure. J. M. Bierer. 2,083,527; June 8.
Bar: *See*—
Grate bar. Rail joint bar.
Barrel, Metal. H. Merker. 2,083,340; June 8.
Base with contacts, Molded. W. B. Wallace. 2,082,992; June 8.
Basting device for roasters. O. E. Clarkson. 2,083,147; June 8.
Bead for ornamental wheel disks. G. A. Lyon. 2,082,803; June 8.
Beam, Sheet metal. A. G. Dean. 2,082,792; June 8.
Bearing lock. R. G. N. Evans. 2,082,944; June 8.
Beta-bromethyl benzene, Preparing. M. Fluchaire and S. Javorski. 2,082,946; June 8.
Bevels, Apparatus for cutting swinging. J. D. McKiernan. 2,082,967; June 8.
Beverage serving apparatus. R. A. Riesgo. 2,082,975; June 8.
Binaural system of blind landing. P. R. Bassett. 2,083,494; June 8.
Bituminous emulsion and producing the same, Aqueous. C. K. Hewes and M. L. Chappell. 2,083,498; June 8.
Bituminous emulsions, Producing aqueous. C. K. Hewes and M. L. Chappell. 2,083,499; June 8.
Blackstrap, Removing dispersed. A. E. Birch. 2,082,787; June 8.
Blank conveyer board. W. W. Davidson. 2,083,296; June 8.
Blind, Venetian. J. Nisenson. 2,083,523; June 8.
Blow-off apparatus for locomotive boilers. L. O. Gunderson 2,082,953; June 8.
Board: *See*—
Blank conveyer board. Plotting board.
Game board.
Boat by manpower, Propelling a. C. H. Clark. 2,083,004; June 8.
Boat construction. C. W. Stiver. 2,083,410; June 8.
Bobbin. H. C. Mack. 2,083,337; June 8.
Bobbin clamping device. P. L. Spencer. 2,083,481; June 8.
Bookbinder. A. F. Grosse and A. C. Baumgartner. 2,083,262; June 8.
Bookbinding. F. H. Crump. 2,083,434; June 8.
Book, Refill. H. H. Coleman. 2,083,432; June 8.
Boot, Lineman's. E. Barber. 2,083,310; June 8.
Boots and shoes, Method of and means for use in lasting. W. Mackensen. 2,082,841; June 8.
Box: *See*—
Folding box.
Box. S. Batdorf. 2,083,356; June 8.
Box for coal and the like, Washer. B. Norton. 2,083,393; June 8.
Box for railway equipment, Record card. L. A. Rowe. 2,083,403; June 8.
Boxlike container. J. Bennard. 2,083,000; June 8.
Brake: *See*—
Hand brake.
Brake control apparatus. D. B. D. Blake. 2,082,776; June 8.
Brake for autos and trucks. C. J. Clutter and G. A. Lohnes. 2,083,430; June 8.
Brake shoe. F. A. Thau. 2,082,856; June 8.
Braun tube. S. Loewe. 2,083,198; June 8.
Braun tube. K. Schlesinger. 2,083,203–4; June 8.
Braun tube. M. von Ardenne. 2,083,209; June 8.
Bread slicing and wrapping machine. L. Ferencl. 2,082,945; June 8.
Brick refractories, Clinker. L. T. Work. 2,083,180; June 8.
Bridge for stringed musical instruments, Adjustable. A. W. Grover. 2,082,951; June 8.
Brooder for chicks. D. B. Tolley and D. H. Hill. 2,082,990; June 8.
Brush. R. E. Wood. 2,083,134; June 8.
Bucket, Reenforced. O. F. Becker. 2,083,138; June 8.
Buildings, Fireproofing of. J. A. Thomas and G. E. Allen. 2,083,104; June 8.
Bumper, Shock absorbing. H. Schreiber. 2,083,038; June 8.
Bunch winding attachment for builder mechanism. O. C. Hinson. 2,082,958; June 8.
Burner: *See*—
Coal burner. Gas burner.
Burring tool. A. Brunner. 2,083,427; June 8.
Bus registering system. E. M. Hymans. 2,083,264; June 8.
Cabinet, Filing. J. C. Seyl. 2,083,349; June 8.
Cabinet, Humidifying display. L. C. Gardner. 2,083,442; June 8.
Cable, High frequency. L. Walter. 2,082,860; June 8.
Calculating machine. E. Modes, R. Honz, and O. Hennig. 2,083,200; June 8.
Cam engine. M. Stigers. 2,083,510; June 8.
Camera and film pack. J. L. Cheshire. 2,083,492; June 8.
Cameras, Self-photo attachment for. S. Foulks. 2,083,366; June 8.
Can body and making the same, Sheet metal. A. L. Kronquest. 2,083,453; June 8.
Can body, Sheet metal. A. L. Kronquest. 2,083,452; June 8.
Can transfer valve. T. M. Jones. 2,082,894; June 8.
Cap, Dispensing bottle. G. J. McCabe. 2,083,156; June 8.
Car body for excavating machines. R. E. Ljungkull. 2,083,459; June 8.
Car, Dump. J. P. Anderson. 2,083,136; June 8.
Car dumper. A. F. Case. 2,082,942; June 8.
Cars, Means for use in loading and unloading container. G. C. Woodruff. 2,083,178; June 8.
Carbocyclic compounds containing acid salt-forming groups. A. Steindorff, G. Balle, P. Heimke, and K. Horst. 2,083,482; June 8.
Carbon, Production of activated. F. Krczil. 2,083,303; June 8.
Carburetor. A. Carson. 2,083,428; June 8.
Carrier comprising a diazonium compound and method of obtaining contrasts. R. J. H. Alink. 2,083,285; June 8.
Carton for shipping and storing boxes, bottles, etc. F. E. A. W. Bergand. 2,083,113; June 8.
Cartons, Manufacture of corrugated paper. M. H. Sidebotham. 2,083,351; June 8.
Case and setting system for watches, Wrist watch. S. Mathez. 2,082,843; June 8.
Casing head. L. L. Rector. 2,083,090; June 8.
Cellulose ethers. F. C. Hahn. 2,082,797; June 8.
Cement and making the same. G. W. Jordan. 2,083,267; June 8.
Cement, Making. L. T. Work. 2,083,179; June 8.

Chain unit, Emergency. J. B. Bambenek. 2,082,937; June 8.
Chair. C. H. Collins. 2,083,053; June 8.
Chassis for power operated vehicles. F. D. Frisby. 2,082,826; June 8.
Cheese hoop. E. G. Damrow. 2,083,318; June 8.
Cheese, Manufacture of processed. B. Duttweiler. 2,083,322; June 8.
Chemical apparatus. W. O. Beyer. 2,083,228; June 8.
Cigarette dispenser. R. Mayer. 2,083,105; June 8.
Circuit, Automatic gain control. W. R. Koch. 2,082,961; June 8.
Circuit, Automatic gain control. W. R. Koch. 2,083,025-6; June 8.
Circuit breaker. T. Lindstrom. 2,083,304; June 8.
Circuit breaker. L. Schmidt. 2,083,508-9; June 8.
Circuit closer. R. D. Kelly. 2,082,835; June 8.
Circuit for vapor electric devices, Starting. L. F. Bird. 2,082,939; June 8.
Circuit interrupter. H. J. Livgal. 2,083,305; June 8.
Circuits, Automatic gain control and noise suppression. O. H. Schade and F. H. Shepard, Jr. 2,083,245; June 8.
Circuits, Regulated rectifier. R. P. Jutson and D. E. Trucksess. 2,083,382; June 8.
Clamp. E. J. Mayer. 2,083,077; June 8.
Clamp release and motion stop for duplicators, Combined. F. W. Storck. 2,083,041; June 8.
Clamping mechanism. C. M. Andrews. 2,083,419; June 8.
Clasp or the like. M. Bellorb. 2,082,938; June 8.
Cleaner; *See*
Metal cleaner. Window cleaner.
Cleat, Baseball player's shoe. P. E. Wimmenauer. 2,083,177; June 8.
Clip; *See*
Coin container clip.
Clipper, Hair. S. G. Branch. 2,083,359; June 8.
Closure. C. E. Yoke. 2,082,923; June 8.
Closure, Barrel. R. S. Fetter. 2,082,881; June 8.
Closure, Bottle. E. Greene. 2,083,529; June 8.
Closure for knock-out holes. L. M. Cox. 2,083,056; June 8.
Closure, Garment. A. M. Barlow. 2,083,047; June 8.
Cloth finishing. G. A. Schreiner. 2,082,981; June 8.
Cloth guider. R. Hetherington. 2,082,799; June 8.
Clothesline support, Adjustable. A. O. Johnston. 2,083,332; June 8.
Clutch; *See*
One-way clutch.
Clutch. B. L. Myers. 2,082,969; June 8.
Clutch control mechanism. P. G. Hill. 2,083,530; June 8.
Coal burner, Pulverized. L. Shuman. 2,083,126; June 8.
Coating and process of applying and removing, Protective. L. G. Copeman. 2,082,791; June 8.
Cobble bundler. C. W. Hawthorne. 2,083,263; June 8.
Coiled material, Treating. E. T. Lorig. 2,083,517; June 8.
Coiling machine. W. E. Risinger. 2,082,906; June 8.
Coin container clip. S. Cunningham. 2,083,117; June 8.
Coin counting machine. E. P. Donnellan. 2,083,256; June 8.
Comber weighting system. F. L. Crockett. 2,083,255; June 8.
Combs, Device for cleansing and sterilizing. G. Turco. 2,082,991; June 8.
Combustion control apparatus. W. H. Pugsley. 2,083,504; June 8.
Compact, Powder. E. Hamperling. 2,083,016; June 8.
Composition of matter for dyeing animal fibers. H. Zweifel, C. Graenacher, F. Grether, and F. Straub. 2,083,181-2; June 8.
Compressor. Centrifugal. B. Hoffmann. 2,083,447; June 8.
Concentrate of chrome ores, Producing a. G. Arnold. 2,082,817; June 8.
Connecter; *See*
Terminal connecter.
Connecter. W. J. Burkart. 2,083,528; June 8.
Contact structure for electrical circuit controllers. J. F. Ebert and E. M. Squire. 2,082,794; June 8.
Container; *See*
Boxlike container. Powder container.
Dispensing container. Sectional container.
Display container.
Container. B. T. Lindell. 2,082,838; June 8.
Container. I. L. Wilcox. 2,082,995; June 8.
Container with antiseptic vial. Sanitary toothbrush. J. F. Bell. 2,083,187; June 8.
Container with rotatable spout. W. F. Pintle. 2,083,171; June 8.
Control apparatus for check dispensers. S. May. 2,083,163; June 8.
Control means. B. W. Jones. 2,083,531; June 8.
Control system, Automatic selectivity. W. R. Koch. 2,083,232; June 8.
Control system for electric motors. G. E. Adams and E. C. Marshall. 2,082,816; June 8.
Controller. F. R. Swanson. 2,083,111; June 8.
Cooling system. G. de Bothezat. 2,083,436; June 8.
Cooling system and apparatus for beverage dispensers. R. J. Sinard. 2,083,177; June 8.
Cordeau and manufacturing same. W. O. Snelling. 2,083,174; June 8.
Cords of plastic material into predetermined lengths, Method and apparatus for cutting. A. H. Haupt. 2,082,833; June 8.
Core catcher. H. D. Hampton. 2,083,062; June 8.
Cores for electrical apparatus, Making. R. M. Pfalzgraff. 2,083,395; June 8.
Counterbalancing means for hoisting apparatus. E. T. Hight. 2,082,889; June 8.
Counting apparatus operated by radiant energy. J. H. Burnside, 2nd. 2,082,941; June 8.
Coupler, Car. A. J. Bazeley. 2,083,422; June 8.
Coupling; *See*
Pipe coupling.
Coupling means for piezoelectric crystal elements. C. H. Atchisson. 2,083,420; June 8.
Cover; *See*—
Furniture slip cover.
Cream remover for milk bottles. W. E. Osborne. 2,082,845; June 8.
Curb press, Fluid pressure operated. H. F. MacMillin and L. S. Hubbert. 2,083,032; June 8.
Cutter; *See*
Safety wedge cutter.
Cutting device. J. C. Anderson. 2,082,867; June 8.
Cutting die. J. H. Nelson. 2,083,157; June 8.
Cutting press. J. Sandt. 2,083,097; June 8.
Degreasing apparatus. R. A. Eastwood. 2,083,012; June 8.
Deliquescent material, Dissolving. G. A. Mau. 2,083,076; June 8.
Dental alloy and making same. E. L. Chott. 2,083,052; June 8.
Depositing machine. E. G. Jurgens and H. K. Becker. 2,083,268; June 8.
Depth regulator for submarine mines in tidal waters. D. Rudmann. 2,082,849; June 8.
Desk set. C. Hansen. 2,082,831; June 8.
Detergents and making the same. C. L. Baker. 2,082,936; June 8.
Device controlled by radiated energy. W. Dällenbach. 2,083,317; June 8.
Diavision. A. J. Cawley. 2,083,292; June 8.
Die; *See*—
Cutting die.
Direction finding. W. Runge. 2,083,242; June 8.
Direction indicator for X-ray exposures. A. de Weal. 2,082,793; June 8.
Discharge device, Electronic. V. L. Holdaway. 2,083,330; June 8.
Disintegrating machinery. T. A. Long and W. W. Potts. 2,083,462; June 8.
Dispenser; *See*—
Cigarette dispenser.
Dispenser. C. S. Grant. 2,083,162; June 8.
Dispenser and lighter, Cigarette. R. Mayer. 2,083,464; June 8.
Dispensing container. W. C. Agerell and H. Asher. 2,083,135; June 8.
Dispensing device with regulated measuring means. L. J. Rose. 2,083,094; June 8.
Display container. R. E. Paige. 2,083,345; June 8.
Display sign holder. C. M. Walker. 2,082,859; June 8.
Distances of objects in picturization on a plane surface, Method, apparatus, and motion picture for simulating relative. W. F. Adler. 2,082,781; June 8.
Distances, System and method of determining. R. C. Newhouse and W. C. Tinus. 2,083,344; June 8.
Ditcher. A. Nielsen. 2,083,083; June 8.
Donkey's bray. H. L. Cole. 2,083,431; June 8.
Door construction. H. I. Morris. 2,083,467; June 8.
Door fastening means, Cylinder. F. Vetorino. 2,082,921; June 8.
Door, Garage. A. Basile and V. L. Basile. 2,082,774; June 8.
Doughnut machine. J. A. Moran. 2,083,082; June 8.
Dowel for lasts. K. Benscheidt, Jr. 2,083,111; June 8.
Drain pipe system. S. J. Gaber. 2,082,827; June 8.
Drawer, Filing. E. Rose. 2,083,399; June 8.
Drier; *See*
Rotary aggregate drier.
Drop box loom, Weft replenishing. A. A. Gordon and W. M. Wattie. 2,082,884; June 8.
Dyes, Monoazo. W. Benade, E. Fischer, and M. Raeck. 2,083,216; June 8.
Dyestuff solutions, Device for preparing. J. S. Grassiani. 2,083,193; June 8.
Earth digging tool. V. F. Flandera. 2,083,328; June 8.
Electric control lock. E. Michel. 2,082,806; June 8.
Electric motor. J. Schick. 2,083,405; June 8.
Electrical analysis apparatus. T. Zuschlag. 2,082,997; June 8.
Electrical indicating or measuring system. H. S. Black and J. O. Edson. 2,083,495; June 8.
Electrical resistance unit. G. E. Megow. 2,083,339; June 8.
Electrolytic device and electrolyte therefor. H. D. Cowles. 2,083,254; June 8.
Electron discharge device. N. R. Smith. 2,082,851; June 8.
Electron discharge device control system. I. K. Dortort. 2,083,149; June 8.
Electronic discharge device. V. L. Ronci. 2,083,346; June 8.
Elevator rail guide. A. A. Matthews. 2,083,502; June 8.

Embossing means for envelope making machines. F. L. Smithe. 2,083,352; June 8.
Engine; *See*—
Cam engine.
Internal combustion engine.
Envelope. W. K. Ramsey. 2,083,158; June 8.
Esters of phenols, Producing. O. A. Cherry. 2,082,790; June 8.
Evaporator unit. J. H. Benson. 2,083,424; June 8.
Excavating machine. R. E. Ljungkull. 2,083,460; June 8.
Exercise apparatus. C. H. Gerlofson. 2,082,829; June 8.
Explosive, Blasting. L. S. Byers. 2,083,144; June 8.
Explosives. L. S. Byers. 2,083,143; June 8.
Eyebrows and the like, Device for shaping. D. C. Hudson. 2,083,380; June 8.
Fabric; *See*—
Knitted fabric.
Fabric and making the same, Ornamental woven. W. Teres. 2,083,248; June 8.
Fan. E. L. Anderson. 2,083,184-7; June 8.
Fan. H. F. Hagen. 2,082,955; June 8.
Fastener; *See*
Multiple fastener. Sliding fastener.
Refrigerator door fastener.
Separable interlocking fastener.
Fastening device. M. Spear and G. Skluth. 2,083,129; June 8.
Feeder; *See*—
Glass feeder.
Feeding and weighing machine, Automatic. S. G. Murray. 2,083,391; June 8.
Felt and felt fabrics, Production of. E. T. Kennedy. 2,083,383; June 8.
Filament structure for electron discharge devices. N. E. Lindenblad. 2,082,839; June 8.
Filaments for electric incandescent lamps and similar devices, Manufacture of coiled-coil. R. E. Leeds. 2,083,456; June 8.
Filaments, Manufacture of artificial. J. J. Stoeckly and R. Bartunek. 2,083,041; June 8.
Filaments, threads, films, and the like, Manufacture of artificial. H. C. Olpin and G. H. Ellis. 2,083,122; June 8.
Filing device. C. R. Chamberlin and W. S. Chamberlin. 2,083,050; June 8.
Film developing holder. L. E. Davis. 2,082,876; June 8.
Filter; *See*—
Oil filter. Radiator water filter.
Filtering apparatus. R. P. Adams. 2,083,183; June 8.
Fish holder. C. D. Grassle. 2,083,329; June 8.
Fishing fly and producing same. F. O. Burge. 2,083,513; June 8.
Flexible mold. P. Zampol. 2,083,484; June 8.
Fluid control means. E. C. Brisbane and R. Bischoff. 2,082,940; June 8.
Fluid mixtures, Analysis of. B. Miller. 2,083,521; June 8.
Fluoroscopic shutter control mechanism. S. E. Lundquist. 2,082,965; June 8.
Flush valve. H. P. Ballou. 2,083,486; June 8.
Focusing means for incandescent studio spotlights. J. C. Rose. 2,083,506; June 8.
Folding box. H. G. Schmidt. 2,083,036; June 8.
Foliage, Bleaching and/or dyeing. H. Dux. 2,083,191; June 8.
Food, Manufacture of canned refreshing. K. Kimura. 2,083,302; June 8.
Foot measuring device. R. P. Schwartz. 2,082,912; June 8.
Form, Tire building. H. C. Bostwick. 2,083,289; June 8.
Foundations, Method and apparatus for building subaqueous. W. G. Adams. 2,082,773; June 8.
4,4'-dialkoxy diphenylamines, Preparing. W. Baird, C. R. Navin, and A. G. Murray. 2,083,214; June 8.
Frame; *See*
Heddle frame.
Frames of spectacles and the like. F. Birkenstein. 2,083,287; June 8.
Freezing mold. H. H. Moll. 2,083,081; June 8.
Fuel feeding system. C. F. High. 2,083,021; June 8.
Fuel injection apparatus. M. J. Murphy. 2,082,808; June 8.
Fuel pump. C. F. High. 2,083,020; June 8.
Fuel, Treatment of motor. C. D. Lowry, Jr., and C. G. Dryer. 2,083,197; June 8.
Furniture slip cover. J. Levi. 2,083,236; June 8.
Gain-control system, Automatic. W. C. Lane, Jr. 2,083,501; June 8.
Game. C. F. Shaffer. 2,082,983; June 8.
Game apparatus. T. C. Hense. 2,083,119; June 8.
Game board. C. A. Anderson and M. Tobin. 2,083,108; June 8.
Garment hanger. M. R. Ross. 2,082,910; June 8.
Gas analyzing apparatus. J. D. Morgan. 2,083,522; June 8.
Gas analyzing process and apparatus. B. Miller. 2,083,520; June 8.
Gas burner. J. O. Jensen. 2,082,892; June 8.
Gas burner. A. E. Martois. 2,083,169; June 8.
Gas, Method and apparatus for supplying. C. F. Wallace. 2,083,412; June 8.
Gas scrubber. K. K. Nahigyan. 2,083,468; June 8.
Gasoline, Production of high octane. E. G. Houdry. 2,082,801; June 8.
Girder for struts or the like. C. Dornier. 2,083,226; June 8.
Girdle, Column reenforcement. A. M. and C. A. Kinninger. 2,082,960; June 8.
Glass feeder. G. R. Haub. 2,083,152; June 8.
Glass wool, Method and product for treating. R. C. Williams and H. M. Bone. 2,083,132; June 8.
Glaze compositions, Red and yellow. A. Malinovszky and A. L. Bennett. 2,083,033; June 8.
Golf ball, Making a. C. W. Leguillon. 2,083,155; June 8.
Golf club. S. J. Crooker. 2,083,189; June 8.
Golf club. Le R. O. Werner. 2,083,175; June 8.
Golf tee. S. E. Thorup. 2,082,811; June 8.
Golf tee package. J. J. O'Brien. 2,083,238; June 8.
Grading machine. J. E. Schultz. 2,083,307; June 8.
Grate bar. C. A. Warg. 2,083,284; June 8.
Grease manufacture. C. O. Greenlee. 2,083,015; June 8.
Grinder, Knife. W. E. Jones and J. D. Taylor. 2,083,069; June 8.
Grinding machine. C. Booth. 2,083,115; June 8.
Guard, Cattle. S. I. Smith. 2,082,984; June 8.
Guide, Rotating. W. H. Bradshaw and G. P. Hoff. 2,083,251; June 8.
Guitar, Macaroni. T. A. Castriana. 2,083,429; June 8.
Hair waver. N. L. Solomon. 2,082,993; June 8.
Hammer, Electric forging. E. Larson. 2,083,168; June 8.
Hammer, Gas. T. C. Gray. 2,083,261; June 8.
Handbag. E. Lowy. 2,083,029; June 8.
Hand brake. H. J. Lounsbury. 2,082,964; June 8.
Handle; *See*—
Mattress handle. Razor handle.
Hanger; *See*—
Garment hanger. Lug hanger.
Hanger support for basins and the like, Adjustable. J. Lindenbaum. 2,083,271; June 8.
Harrow tripper. A. H. Finck. 2,082,795; June 8.
Harvester, Beet. H. O. Sparks. 2,083,128; June 8.
Heater; *See*—
Air heater. Oven insert heater.
Heating and cooling device, Combined. R. C. Roe. 2,083,159; June 8.
Heating appliance with timer. R. D. Smith. 2,082,985; June 8.
Heating by steam, Apparatus for. I. C. Jennings. 2,083,068; June 8.
Heating-cooling device for automobiles. C. P. Abrams. 2,082,998; June 8.
Heating element for high voltage cathodes. G. Liebmann. 2,083,496; June 8.
Heddle frame. C. E. Watson and P. L. Spencer. 2,082,925; June 8.
Heel support. F. D. Reynolds. 2,082,974; June 8.
Helicopter. J. E. Hess, Jr. 2,083,064; June 8.
High frequency receiving apparatus. E. Y. Robinson. 2,083,474; June 8.
Hinge construction. S. Brantingson. 2,083,140; June 8.
Hinge construction, Chair. T. W. Lewis. 2,083,071; June 8.
Holder; *See*—
Display sign holder. Thread holder.
Film developing holder. Wrench set holder.
Fish holder.
Honing machine. A. M. Johnson. 2,083,191; June 8.
Honing tool. J. R. Rose, J. C. Cox, and F. H. Maas. 2,083,100; June 8.
Hood latch. N. A. Mears. 2,083,386; June 8.
Hydrant, Fire. E. E. Cline. 2,083,054; June 8.
Hydrant, Fire. A. H. Daviet. 2,083,319; June 8.
Hydrocarbons, Cracking. E. W. Isom. 2,083,120; June 8.
Hydrocarbons, Refining. I. Budowski. 2,083,253; June 8.
Hydrogen sulphide from gases, Recovery of. H. Baehr and K. Braus. 2,083,213; June 8.
Ice cream and other edible ices, Apparatus for making. E. E. Lindsey. 2,083,072; June 8.
Illuminated article, Decorative. L. Pollock. 2,083,240; June 8.
Incinerator, Garbage. J. H. Caffrey. 2,082,870; June 8.
Indicator; *See*—
Vehicle direction indicator.
Ink, Synthetic. W. S. Guthmann. 2,083,372; June 8.
Insulated rail joint. E. A. Condit. 2,083,316; June 8.
Internal combustion engine. A. Büchi. 2,082,780; June 8.
Internal combustion engine. H. C. Edwards. 2,083,323; June 8.
Internal combustion engine. A. Remer. 2,083,397; June 8.
Internal combustion engine. A. Stokowitz. 2,082,853; June 8.
Internal combustion engine, Air-cooled V type. C. S. Brown. 2,082,869; June 8.
Ironer, Domestic. L. Ringer. 2,083,505; June 8.
Jewelry structure, Ornamental. K. Fassnacht. 2,082,879; June 8.
Joint; *See*
Insulated rail joint. Universal joint.
Joint. J. G. Whittler. 2,083,354; June 8.
Joint construction, Expansion. C. L. Methven. 2,082,805; June 8.

Joint core, Expansion. R. R. Robertson. 2,082,977; June 8.
Joint former, Road. R. R. Robertson. 2,082,976; June 8.
Joint holding and edging unit. R. R. Robertson. 2,082,978; June 8.
Key and permutation operated door lock. D. M. Bell. 2,083,358; June 8.
Kitchen tool. M. Schumacher. 2,082,982; June 8.
Knitted article and producing same. W. C. Buchholz. 2,082,779; June 8.
Knitted fabric. T. H. Jones. 2,083,301; June 8.
Knitting machine. R. H. Lawson. 2,083,027; June 8.
Knitting machine. R. H. Lawson. 2,083,333; June 8.
Knitting machine and operating same, Circular. A. E. Page and H. Swinglehurst, Jr. 2,083,394; June 8.
Laminated products and method of making. L. T. Sutherland. 2,082,854; June 8.
Lamp: *See*—
Sanctuary candle lamp. Ultra violet lamp.
Lamp base, Prefocused. D. S. Gustin. 2,082,954; June 8.
Lasting machine. H. Lane and J. W. Pratt. 2,082,837; June 8.
Latch: *See*—
Hood latch.
Lath construction, Metallic. G. G. Greulich. 2,083,371; June 8.
Laying-out device. V. A. Boker. 2,083,490; June 8.
Leather, Coated. R. C. Shuey. 2,083,040; June 8.
Light: *See*—
Wheel hub light.
Lighting unit. J. H. Blitzer. 2,083,426; June 8.
Liquid registering device. E. M. Krueger. 2,083,070; June 8.
Liquids, Method of and apparatus for filtering high viscosity. E. Petty. 2,082,847; June 8.
Locating device. L. F. Weber. 2,082,862; June 8.
Lock: *See*—
Auto lock. Key and permutation operated door lock.
Bearing lock.
Electric control lock.
Locking device for nuts. B. Vaurs. 2,083,045; June 8.
Loom: *See*—
Drop box loom.
Loom for weaving double tapes. E. R. Holmes. 2,082,890; June 8.
Loom for weaving terry. A. J. Herard, Jr., and C. P. Bergstrom. 2,082,888; June 8.
Loom for weaving tufted pile fabric. E. J. Dacey. 2,082,875; June 8.
Looms, Parallel motion for. L. M. Rogers. 2,083,276; June 8.
Lubricant servicing apparatus. C. W. Ginter. 2,083,259; June 8.
Lubricants, Treatment of. W. G. Black. 2,083,139; June 8.
Lubricating device. G. S. Rogers. 2,083,035; June 8.
Lubricating system, Central. J. Bijur. 2,082,786; June 8.
Lug hanger. W. Gray. 2,083,443; June 8.
Machine for attaching staple fasteners to cards. G. J. Bruhn. 2,082,822; June 8.
Machine for making, filling, closing, and wrapping bags. A. Rumbold. 2,083,124; June 8.
Machine for operating upon shoe parts. H. Warren. 2,082,861; June 8.
Machine for producing and resharpening cutter blades. J. Hansen. 2,082,832; June 8.
Machine for producing wet adhesive tape strips. A. L. Clements and N. R. Easter. 2,083,219; June 8.
Machine for slicing mushrooms. W. E. Chambers. 2,082,872; June 8.
Machine tool. A. M. Johnson and W. M. Fairbairn. 2,083,023; June 8.
Magazine for shuttle changing looms. R. G. Turner. 2,082,919; June 8.
Magnesium and bromine from sea water, Extraction of. A. M. Thomsen. 2,082,989; June 8.
Marker and relief buoy, Sunken ship. J. B. Rooke. 2,083,306; June 8.
Marking device for shoe parts and the like. W. J. Knox. 2,083,270; June 8.
Mat, Vehicle floor. H. M. Wilhelmy. 2,082,928; June 8.
Material, Method of and apparatus for tensioning strip. T. M. Knowland. 2,082,895; June 8.
Mattress handle. E. L. Bronstien. 2,083,361; June 8.
Measuring tool. J. M. Hardesty and C. C. Lawson. 2,083,373; June 8.
Mechanism for the working and regulation of the Healds course. J. P. Camps. 2,083,291; June 8.
Metal cleaner. M. W. Freeman. 2,083,013; June 8.
Metal strip, Preparing. E. T. Lorig. 2,083,518; June 8.
Metal trap, Precious. C. J. Apablasa. 2,083,485; June 8.
Metal treatment. M. W. Freeman. 2,083,014; June 8.
Metalworking machine. R. S. Brown and W. B. Retz. 2,083,312; June 8.
Metal working machine. G. F. Yager, O. J. Heath, and H. E. Wagner. 2,082,929; June 8.
Metals by electromagnetic forces and apparatus therefor, Casting. W. W. Hoke. 2,083,022; June 8.
Metals, Precipitating. F. W. Maclennan. 2,083,031; June 8.
Metals, Treating. G. M. Croft and J. A. Hunter. 2,083,433; June 8.
Meter: *See*—
Mutual conductance meter.
Meter. E. H. Brayer. 2,082,788; June 8.
Methanol, Purification of synthetic. R. Scheuble. 2,083,125; June 8.
Micro-organisms and for the fermentation of solutions, Apparatus for the production. H. Scholler and R. Eickemeyer. 2,083,348; June 8.
Mill: *See*—
Roller mill. Rolling mill.
Mill stator, Adjustable colloid. S. K. Nester. 2,083,171; June 8.
Mineral absorbents, Reactivation of. G. R. Lewers. 2,083,269; June 8.
Mixing and coagulating device. M. B. Tark. 2,082,855; June 8.
Mixing valve. W. C. Brinkman. 2,083,360; June 8.
Modulator. F. C. Lunnon and H. J. H. Wassell. 2,083,336; June 8.
Mold: *See*—
Flexible mold. Freezing mold.
Monoazo-dyestuffs and their manufacture. E. Senn. 2,083,308; June 8.
Motor: *See*—
Electric motor. Wind motor.
Outboard motor.
Motor. P. T. Keebler and W. S. Elliott. 2,082,959; June 8.
Motor operated switch. W. Beusch. 2,083,425; June 8.
Mounting for pool-type discharge devices, Electrode. R. E. Rowe. 2,083,402; June 8.
Mounting for Venetian blinds. H. K. Lorentzen. 2,083,334; June 8.
Mounting means for electrical switch boxes and the like. M. A. Wood. 2,083,415; June 8.
Mounting, Motor. A. L. Scott. 2,083,277; June 8.
Mounting, Ophthalmic. E. M. Splaine. 2,082,810; June 8.
Muffler. E. C. Horton. 2,083,515–6; June 8.
Multiple fastener. A. E. Taskila. 2,082,988; June 8.
Musical instrument, Electronic. G. Smiley. 2,083,246; June 8.
Mutual conductance meter. L. E. Barton and C. C. Chambers. 2,083,357; June 8.
Nail puller. C. Palmu. 2,082,901; June 8.
Nail-transferring device. J. F. Standish. 2,082,852; June 8.
Necktie, Adjustable. I. D. Wolfson. 2,083,106; June 8.
Number plate and other luminous signs, Luminous. W. C. McKnight. 2,083,079; June 8.
Nut, Safety. A. Hall. 2,082,956; June 8.
Oil and gas separator. E. C. Weisgerber. 2,082,863; June 8.
Oil filter. J. C. Coulombe. 2,083,148; June 8.
Oil, Lubricating. K. Taylor and B. H. Shoemaker. 2,083,247; June 8.
Oils, Refining mineral. M. H. Tuttle. 2,083,511; June 8.
Oils, Treatment of hydrocarbon. J. G. Alther. 2,083,212; June 8.
One-way clutch. J. A. Marland. 2,082,842; June 8.
Opener and dispenser, Can. C. Vitek. 2,082,922; June 8.
Operating and control mechanism for pressing machines. J. P. Singiser. 2,082,913; June 8.
Oscillation generator comprising electron discharge devices. G. M. Wright and N. M. Rust. 2,082,813; June 8.
Oscillations, Arrangement for generating tilting. K. Schlesinger. 2,083,202; June 8.
Oscillator tube. J. J. Rogan. 2,083,241; June 8.
Outboard motor. A. De Madaler. 2,083,437; June 8.
Oven, Coke. F. Totzek. 2,082,858; June 8.
Oven insert heater. M. F. Campbell. 2,083,145; June 8.
Pack for dispensing lubricating oils. A. R. Speare. 2,083,479; June 8.
Package. C. J. Rohland. 2,083,398; June 8.
Packaging machine. T. R. James. 2,083,067; June 8.
Packaging machine. E. F. Ness. 2,083,084; June 8.
Pail. W. H. Inman. 2,083,449; June 8.
Paper, Production of waxed. C. H. O'Neil. 2,083,273; June 8.
Paper, Safety. W. Schoeller. 2,083,206; June 8.
Parasiticidal composition. A. C. Sessions. 2,083,098; June 8.
Pattern drafting instrument. F. Casso. 2,083,315; June 8.
Peeler, Fruit. A. Gambino. 2,083,368; June 8.
Pencil, Mechanical. J. Meilner. 2,082,844; June 8.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,083,220; June 8.
Petroleum emulsions, Breaking. M. De Groote. 2,083,221–5; June 8.
Phonograph turntable drive. W. A. Schmittgen. 2,083,037; June 8.
Photographic diffusing device for enlarging and projection printing. A. Balaban. 2,083,215; June 8.
Photographic method and product resulting therefrom. J. B. Thomson. 2,083,249; June 8.
Piano class teaching keyboard. B. F. Laukandt. 2,083,235; June 8.
Picking motion for looms. C. J. Lindegren and J. B. Olch. 2,082,896; June 8.

Picture and sound recording apparatus, Combined. L. J. Anderson. 2,083,355; June 8.
Picture reproducing apparatus. H. Shore and J. N. Whitaker. 2,083,245; June 8.
Pin feeding apparatus. F. Magidson. 2,083,534; June 8.
Pin ticket machine. C. A. Flood. 2,083,150; June 8.
Pipe: *See*—
Smoking pipe.
Pipe coupling. W. S. Board. 2,082,868; June 8.
Piston. A. L. Nelson. 2,082,898; June 8.
Piston for internal combustion motors. E. C. Long. 2,083,533; June 8.
Piston ring. E. C. Norton. 2,083,237; June 8.
Planing and glazing tool, Combination. A. B. Quick. 2,083,123; June 8.
Plant support. G. P. Rinker. 2,083,526; June 8.
Plaster, Calcium sulphate. J. S. Dunn, F. R. Hinisworth, and V. Lefebure. 2,083,321; June 8.
Plaster, Making gypsum wall. O. Haydon. 2,082,887; June 8.
Plotting board. J. C. Karnes. 2,082,802; June 8.
Plug: *See*—
Spark plug.
Polisher and container, Shoe. J. G. Hummel. 2,083,448; June 8.
Polyazo-dyestuffs soluble in water and preparing them. F. Hess and W. Pense. 2,083,019; June 8.
Potassium sulphate fertilizer material, Production of. R. E. Pennell. 2,082,809; June 8.
Potentiometer. I. M. Stein. 2,083,408; June 8.
Potting composition. M. E. Delaney. 2,083,007; June 8.
Powder container. G. R. Elliott and R. M. Cook. 2,082,878; June 8.
Press: *See*—
Curb press. Printing press.
Cutting press.
Presser for flat knitting machines, Auxiliary. W. Heinltz. 2,083,377; June 8.
Printing machine. W. T. Gollwitzer. 2,083,061; June 8.
Printing press. F. W. Seybold. 2,083,099; June 8.
Printing press, Web perfecting rotary. H. M. Barber. 2,083,110; June 8.
Printing press, Web perfecting rotary. H. M. Barber. 2,083,112; June 8.
Printing telegraph system. E. F. Watson. 2,082,924; June 8.
Products from cellulose, High quality. E. B. F. Sunesson. 2,083,280; June 8.
Projection device. L. E. Reed. 2,083,472; June 8.
Prophylactic device for the oral cavity. E. I. and A. R. Brothers. 2,083,217; June 8.
Protective system, Electric. C. L. Loudon. 2,083,335; June 8.
Puller: *See*—
Nail puller.
Pulp, Bleaching. F. J. Cirves. 2,083,294; June 8.
Pulp suspensions, Method and apparatus for determining the consistency of. O. Maass. 2,083,074; June 8.
Pump: *See*—
Fuel pump.
Pump. H. E. Delvin. 2,083,009; June 8.
Pump for automatic water systems, Diaphragm. H. M. Loeber. 2,083,073; June 8.
Punch, Automatic rotary. G. G. Greulich. 2,083,370; June 8.
Punch, Pocket paper. D. F. Rossin. 2,083,476; June 8.
Puzzle. C. O. Dutcher. 2,082,943; June 8.
Quinone azo-dyestuffs soluble in water and preparing them. F. Hess, K. Hager, and W. Asch. 2,083,018; June 8.
Radiating system for electromagnetic waves. P. F. Godley and E. A. Laport. 2,083,260; June 8.
Radiator. A. P. Livar. 2,083,028; June 8.
Radiator. W. A. Norris. 2,082,899; June 8.
Radiator, Humidifying cabinet. W. H. Curtin. 2,082,824; June 8.
Radiator water filter. J. F. Alexander. 2,082,866; June 8.
Radio communication system. T. L. Eckersley. 2,082,825; June 8.
Radio direction finding system. C. B. Aiken. 2,083,416; June 8.
Radio receiving set. V. Needham. 2,083,170; June 8.
Radio signaling system. E. H. Armstrong. 2,082,935; June 8.
Rail bond. E. M. Deems. 2,083,006; June 8.
Rail chuck for machine tools. T. A. Wettig. 2,083,414; June 8.
Rail joint bar. W. C. Hedgcock and R. B. Cottrell. 2,083,299; June 8.
Razor, Electric. A. P. Steinhilper. 2,082,987; June 8.
Razor handle. R. L. Smith. 2,083,172; June 8.
Receptacle. R. O. Nereim. 2,083,392; June 8.
Receptacle. A. F. Wallbillich. 2,082,994; June 8.
Record assembly, Composite. DeW. I. Conklin. 2,083,295; June 8.
Recording and reproducing system. J. B. Harley. 2,083,374; June 8.
Recording device. H. M. Jones. 2,082,893; June 8.
Recording mechanism. J. W. Bryce. 2,083,362; June 8.
Refinishing device for faucet valve seats. J. C. Angel. 2,082,999; June 8.
Reflector attachment for flashlights. C. Thoroughgood and H. J. McLaughlin. 2,082,857; June 8.
Refrigerating apparatus. E. Heitmann. 2,083,378; June 8.
Refrigerating apparatus. L. A. Philipp. 2,083,396; June 8.
Refrigerating apparatus. H. F. Smith. 2,083,127; June 8.
Refrigerating system. J. Kirgan. 2,083,231; June 8.
Refrigerating system. P. Schlumbohm. 2,082,850; June 8.
Refrigerating system, Compression type. W. A. Kuenzli and C. B. Leeson. 2,083,454; June 8.
Refrigerator door fastener. D. C. E. Leonard. 2,083,458; June 8.
Register, Autographic. L. Jensen. 2,083,265–6; June 8.
Regulating system. F. H. Gulliksen and J. W. Dawson. 2,083,297; June 8.
Relay structure. F. C. Kuch. 2,083,384; June 8.
Remote control of radio apparatus. R. Weber. 2,083,105; June 8.
Resinous composition. N. D. Hanson. 2,083,063; June 8.
Resins, Heat hardening synthetic. F. I. Bennett, Jr. 2,083,423; June 8.
Resistance element. N. C. Schellenger. 2,083,507; June 8.
Rib attachment for metal lath. W. G. Hurlbert, Jr. 2,083,300; June 8.
Ring: *See*—
Piston ring.
Roller attachment for lithographic machines. R. C. Dix. 2,083,497; June 8.
Roller mill. E. B. Reccard. 2,082,819; June 8.
Rolling mill. J. W. Sheperdson, M. Morgan, and J. M. O'Malley. 2,083,100; June 8.
Rotary aggregate drier. I. J. Overman. 2,082,970; June 8.
Rubber lubrication. G. F. Willson. 2,083,176; June 8.
Rubber slabs for covering floors, walls, and ceilings, Production of patterned. W. Poppe. 2,083,201; June 8.
Run for slidable windows, Glass. E. F. Tannewitz. 2,083,353; June 8.
Saddle and making same. R. W. Faulhaber. 2,083,060; June 8.
Safety means for television tubes. K. Schlesinger. 2,083,205; June 8.
Safety sign. R. M. Slough. 2,083,102; June 8.
Safety wedge cutter. J. Dahlin. 2,083,435; June 8.
Salts, Diazonium. G. Bonhôte and A. Wirz. 2,083,311; June 8.
Salts of dicarboxylic acid esters of cellulose, Preparation of metallic. C. J. Malm and C. R. Fordyce. 2,082,804; June 8.
Salvage valve, Bulkhead internal safety relief. J. R. Miller. 2,082,807; June 8.
Sanctuary candle lamp. T. J. Muench and O. D. Guilfoil. 2,082,897; June 8.
Scaffold, Roof laying. H. B. Doe. 2,083,320; June 8.
Scale, Torsion balance. LeR. C. Morris. 2,082,968; June 8.
Scale, Weighing. G. E. Weist. 2,083,413; June 8.
Scissor construction, Separable. B. Strezoff. 2,083,483; June 8.
Screw. J. R. Richer. 2,083,092; June 8.
Screw thread cutter attachment. H. Riester. 2,083,473; June 8.
Seal, Joint. L. L. Rector. 2,083,091; June 8.
Sealing machine, Carton or package. H. W. Dyment. 2,083,257; June 8.
Seam for sheet metal can bodies, Side. H. A. Fink. 2,083,440; June 8.
Seams for steel barrels and drums and method thereof, Head. A. O. Miller. 2,083,519; June 8.
Seaming machine. H. M. Ross. 2,083,401; June 8.
Sectional container. I. Blechman. 2,083,114; June 8.
Securing device. R. Landenberger. 2,083,233; June 8.
Seed saving device. W. A. Harden and A. D. Burks. 2,083,444; June 8.
Seeds, bulbs, tubers, and roots, Treating. G. E. Heyl. 2,083,065; June 8.
Separable interlocking fastener. H. E. Sipe. 2,083,278; June 8.
Separator: *See*—
Oil and gas separator.
Sewing machine, Straw-braid. R. Becker. 2,082,784; June 8.
Shaft sealing device. J. E. Dube. 2,083,438; June 8.
Sharpener, Lawn mower. O. B. Gerdin. 2,082,948; June 8.
Sharpener, Pencil. M. Bersted. 2,082,785; June 8.
Sheet material and making the same, Lacquer coated. F. H. Frost. 2,083,441; June 8.
Sheet material, Apparatus for conditioning. L. Buck. 2,083,141–2; June 8.
Sheet moistening device for duplicators. F. W. Storck. 2,083,042; June 8.
Shield for anodes. C. B. Cook, Jr. 2,083,364; June 8.
Shielding device for ignition or similar circuits. T. B. Holliday. 2,082,800; June 8.
Shock absorber. C. S. McCann. 2,083,272; June 8.
Shoe. J. A. Murena. 2,083,390; June 8.
Shoe last. M. S. Cate. 2,083,146; June 8.
Shoe sole. E. C. Heilbecker. 2,083,376; June 8.
Shoes, Manufacture of. E. H. Bastable. 2,083,137; June 8.
Showcase. C. E. Rorrer and A. R. Mitterer. 2,083,093; June 8.
Shut off for gasoline dispensing nozzles, Automatic. F. V. Mayo. 2,083,078; June 8.

Shuttle box control for shuttle changing looms. W. M. Wattie. 2,082,926; June 8.
Sign; *See*—
Safety sign.
Sign. C. G. Fisher. 2,083,258; June 8.
Signal; *See*—
Vehicular signal.
Signal. P. H. Chase. 2,082,789; June 8.
Signal switch, Directional. F. L. Perrott. 2,083,470; June 8.
Signals, Apparatus for the control of highway crossing. J. M. Pelikan and H. S. Young. 2,082,971; June 8.
Signals to railroad vehicles, System for the transmission of. L. J. A. Le Goff. 2,083,195; June 8.
Signaling, Railway. J. M. Pelikan. 2,083,274; June 8.
Signaling system for railways, Automatic. G. Caille. 2,083,290; June 8.
Signaling system, Multiplex communication. S. R. Durand. 2,082,877; June 8.
Sinker and liquid level determining device for vessels. W. D. Spence. 2,083,480; June 8.
Slab, block, or tile, Composite. R. R. Harrap. 2,083,165; June 8.
Sliding fastener. S. Qnisling. 2,083,279; June 8.
Sling. J. M. Garris. 2,082,828; June 8.
Smoking pipe. S. La France. 2,083,455; June 8.
Snap action modulating valve, Electrically operated. C. G. Kronmiller. 2,083,532; June 8.
Soil, Apparatus for the treatment of. C. F. Irish. 2,083,153; June 8.
Sole and sole fitting. J. Calleo. 2,082,823; June 8.
Solutions and producing yeast, Method of fermenting. H. Scholler and R. Eickemeyer. 2,083,347; June 8.
Solvent extraction. V. Voorhees. 2,083,250; June 8.
Sound producing device or signal. C. G. Hanna. 2,083,164; June 8.
Sound recording system. J. P. Maxfield. 2,083,385; June 8.
Sound recording system. R. M. Otis. 2,082,900; June 8.
Sounds, Process of and apparatus for photographically recording. R. M. Otis. 2,082,846; June 8.
Spark plug. E. C. Wamelink. 2,083,283; June 8.
Spinning solution to artificial silk spinning machines, Apparatus for supplying. G. Baurriedel and F. Heger. 2,083,512; June 8.
Spoke spiders, Making one-piece. H. J. Horn and J. H. Hunt. 2,083,229; June 8.
Spool. W. L. Rutkowski. 2,083,096; June 8.
Spraying apparatus. E. M. Sears. 2,083,039; June 8.
Spraying device. A. de Weal. 2,083,058; June 8.
Spring traction wheel. H. H. Fuller. 2,083,367; June 8.
Sprinkler having adjustable port openings. W. Van E. Thompson. 2,083,282; June 8.
Stapling machine. W. Drypolcher. 2,083,227; June 8.
Starter, Engine. J. A. Charter. 2,082,873-4; June 8.
Static eliminator. J. Simons. 2,083,478; June 8.
Steamer, Vegetable. S. H. Champlin. 2,083,293; June 8.
Steel sheets, Manufacture of silicon. O. E. Romig. 2,083,275; June 8.
Steels, Making alloy. T. N. Armstrong, Jr., and F. B. Anderson. 2,082,783; June 8.
Stem for electron discharge devices. G. M. Rose, Jr. 2,082,848; June 8.
Stereoscope. J. B. N. Cardoza. 2,083,313; June 8.
Stitches with a sewing machine, Skipping or slipping of. H. Rosenman. 2,083,095; June 8.
Stone sawing strand. G. G. Green. 2,083,369; June 8.
Stop for duplicators, Reverse motion. F. W. Storck. 2,083,043; June 8.
Stop indicator for vehicles. A. C. Hurt. 2,083,230; June 8.
Stop mechanism for canning apparatus, Automatic. A. A. Garnero. 2,082,882; June 8.
Stop motion for looms. H. A. Whitin. 2,082,864; June 8.
Stopping device, Automatic. B. R. Carson. 2,083,314; June 8.
Strainer. W. Czarnecki. 2,083,005; June 8.
Structural parts having high permanent strength. W. Tofaute. 2,083,208; June 8.
Studding, Composite. E. D. Coddington. 2,083,055; June 8.
Substitute for wool from viscose, Making a. W. Zetzsche and H. Faber. 2,082,811; June 8.
Sulphoxylate-amino-arseno benzenes. A. Fehrle, K. Streitwolf, and P. Fritzsche. 2,082,880; June 8.
Support; *See*—
Arch support.
Heel support.
Clothesline support.
Plant support.
Support for Axminster tube frames, Intermediate. W. W. Robertson. 2,082,908; June 8.
Support for tube frames in Axminster looms. W. W. Robertson. 2,082,907; June 8.
Surfacing apparatus. H. R. Strafford. 2,082,916; June 8.
Suspenders, Men's. A. Ilsche. 2,083,331; June 8.
Switch; *See*—
Motor operated switch.
Signal switch.
Switch. H. H. Schneckloth. 2,082,911; June 8.
Switch for electric motors, Cut-out. J. M. Naul. 2,083,343; June 8.
Switches, Apparatus for controlling railway. H. S. Young and H. L. Bone. 2,082,930-3; June 8.
Switchgear, Electrical. C. H. Hill. 2,083,379; June 8.
Syrup valve. A. R. Thompson. 2,082,917; June 8.
Tachometer. P. M. Girard. 2,082,949; June 8.
Tank; *See*—
Acidproof tank.
Tank. E. L. Chaffee. 2,083,491; June 8.
Tank for roll films, Developing. M. Lesjak and W. Kehr. 2,082,962; June 8.
Tap fitting, Beer. F. M. Spayd. 2,083,281; June 8.
Telegraph printer system. W. G. H. Finch. 2,083,160; June 8.
Telephone system. G. N. Saul. 2,083,404; June 8.
Temperature compensation. F. W. Merrill. 2,083,387; June 8.
Temperature control mechanism for heating systems. J. V. Giesler and W. B. Mackintosh. 2,082,883; June 8.
Tennis racket. H. D. Adams. 2,082,772; June 8.
Terminal connecter. W. G. Fotsch. 2,082,947; June 8.
Terminal, Protected. J. H. Staley. 2,082,986; June 8.
Test hole device. J. C. Ducommun. 2,083,011; June 8.
Thermionic tube. F. L. Yerzley. 2,083,107; June 8.
Thermoplastic product and making the same. J. D. McBurney and E. H. Nollau. 2,083,199; June 8.
Thread cutting temple. C. D. Brown. 2,083,496; June 8.
Thread holder for automatic looms. O. V. Payne. 2,082,902; June 8.
Thread holder, Intermittent. O. V. Payne. 2,082,903; June 8.
Thread, Producing artificial. W. H. Bradshaw and G. P. Hoff. 2,083,252; June 8.
Tie, Railway. J. J. Bailey. 2,083,109; June 8.
Tile fixing means, Fancy. J. Burgel. 2,083,116; June 8.
Time marks on a moving strip, Apparatus for printing. F. Hehlgans. 2,083,375; June 8.
Time system, Electric. J. W. Bryce. 2,083,363; June 8.
Tire. J. Loeser. 2,083,461; June 8.
Tire and reenforcing material therefor, Pneumatic. E. G. Budd. 2,083,003; June 8.
Tire beads, Apparatus for winding. F. J. Shook. 2,083,350; June 8.
Tobacco feeding mechanism, Apparatus for controlling. F. F. Ruau. 2,083,173; June 8.
Toilet set. F. J. Hofmann. 2,082,834; June 8.
Tool; *See*—
Burring tool.
Machine tool.
Earth digging tool.
Measuring tool.
Honing tool.
Planing and glazing tool.
Kitchen tool.
Tool for cutting the loops of velvet and like pile fabrics. P. Schlemper. 2,083,406; June 8.
Tool for pulp or the like, Sampling. A. B. Andrews. 2,083,418; June 8.
Tool for turning cable reels. C. R. Moore. 2,083,388; June 8.
Toy. O. A. Langos. 2,083,535; June 8.
Toy building. M. H. Ince. 2,083,500; June 8.
Toy, Mechanical. W. Carter. 2,083,218; June 8.
Track rail contactor. H. L. Bone. 2,083,288; June 8.
Traffic controlling system for railroads, Centralized. D. E. De Long. 2,083,008; June 8.
Traffic controlling system, Railway. W. T. Powell. 2,083,525; June 8.
Traffic signal control and switching means. A. J. Massey. 2,083,075; June 8.
Trailer. K. M. Byron. 2,083,049; June 8.
Trailer. A. W. Tye. 2,082,920; June 8.
Train describer system. F. Benedict. 2,083,488; June 8.
Trap; *See*—
Animal trap.
Metal trap.
Tube; *See*—
Braun tube.
Thermionic tube.
Oscillator tube.
Tube roll mechanism for paper making machines. W. C. Nash. 2,083,341; June 8.
Tube roll, Translating paper machine. W. C. Nash. 2,083,342; June 8.
Tubes, Apparatus for making truncated conical. D. Wood and A. G. Rose. 2,083,210; June 8.
Tubes, Manufacture of. G. S. McLay. 2,083,466; June 8.
Tubing head. L. L. Rector. 2,083,089; June 8.
Tuning control. E. Oosterhuis. 2,083,239; June 8.
Turbine blade lashing. C. R. Soderberg. 2,082,914; June 8.
Turbine, Hydraulic. W. M. White. 2,082,927; June 8.
Turbo-pump unit for extinguishing fires. A. Lamere. 2,083,167; June 8.
Typewriter ribbon attachment. J. C. Hochman. 2,083,446; June 8.
Typewriting machine. R. B. Dodge. 2,083,365; June 8.
Ultraviolet lamp. C. F. Lorenz. 2,082,963; June 8.
Ultraviolet ray apparatus. W. T. Anderson, Jr., and C. J. Larsen. 2,082,934; June 8.
Universal joint. P. C. Mancino, H. Cross, and J. E. Thebaud. 2,083,338; June 8.
Urea synthesis. H. W. de Ropp. 2,083,010; June 8.
Utensils on tables or similar surfaces, Device for holding. A. H. Hunter. 2,083,299; June 8.
Vacuum tenaculum. A. G. Allen. 2,082,782; June 8.
Valve; *See*—
Can transfer valve.
Snap action modulating valve.
Flush valve.
Mixing valve.
Syrup valve.
Salvage valve.
Valve. G. C. Semans. 2,083,244; June 8.

Valve. N. B. Simpson. 2,083,101; June 8.
Valve action mechanism for wind instruments. C. E. Bryant. 2,083,048; June 8.
Valve and the like. I. D. Perry. 2,082,972; June 8.
Valve connection system. H. Eberhard. 2,083,192; June 8.
Valve device for submersible well pumps. J. A. Wintroath. 2,082,996; June 8.
Valve sealing device. P. A. Kinzie, J. L. Savage, and T. S. Martin. 2,083,154; June 8.
Valve structure. B. Pratt and G. F. Weinreich. 2,083,086-7; June 8.
Valve structure and valve assembly. B. Pratt and G. F. Weinreich. 2,083,088; June 8.
Valve system, Electric. H. Winograd. 2,083,133; June 8.
Variable resistance. N. C. Schellenger. 2,082,980; June 8.
Variable resistance device. N. C. Schellenger. 2,082,979; June 8.
Vehicle and vehicle power and drive mechanism, Motor. W. B. Fageol. 2,083,059; June 8.
Vehicle body. A. H. Haberstump. 2,082,830; June 8.
Vehicle direction indicator. A. de M. Riggs. 2,082,905; June 8.
Vehicle, Motor. F. C. Best. 2,072,775; June 8.
Vehicle, Motor. M. R. Hutchison, Jr. 2,083,381; June 8.
Vehicle, Road. H. Ledwinka. 2,083,457; June 8.
Vehicle steering mechanism, Bogie. H. W. Jonkhoff. 2,083,166; June 8.
Vehicle wheel. C. L. Eksergian. 2,083,326; June 8.
Vehicle wheel. W. H. Farr. 2,083,325; June 8.
Vehicle wheel. J. H. Hunt. 2,083,066; June 8.
Vehicle wheel, Tubular. C. L. Eksergian. 2,083,327; June 8.
Vehicles, Towing of. L. B. C. Cunningham. 2,083,057; June 8.
Vehicular signal. W. Y. Brown. 2,082,778; June 8.
Vessel and like article, Cooking. A. W. Hayes. 2,083,017; June 8.
Vest for hunters, Waterproof. G. R. Oberrender. 2,083,121; June 8.
Vibration of shuttle box forming elements, Means to prevent. R. G. Turner. 2,082,918; June 8.
Wardrobe, Collapsible. A. Stone. 2,083,207; June 8.
Washing machine construction. J. C. Nelson. 2,083,503; June 8.
Water conditioning system, Boiler. J. C. and J. S. Callery. 2,082,871; June 8.
Weather strip, Threshold. W. B. Bailey. 2,083,421; June 8.
Weed cutting device. J. C. Steiner. 2,083,103; June 8.
Welded construction. J. Kjeksted. 2,082,836; June 8.
Welding. L. J. Larson. 2,083,234; June 8.
Welding apparatus. J. W. Dawson. 2,083,190; June 8.
Welding apparatus, Electric. E. J. Podany. 2,082,904; June 8.
Welding, Apparatus for. E. W. Mishler. 2,083,034; June 8.
Welding, Method and apparatus for. R. R. Applegate. 2,083,309; June 8.
Well drilling mechanism. C. R. Wigness and J. W. Kirby. 2,082,865; June 8.
Well point. T. F. Moore. 2,083,389; June 8.
Wheel; *See*—
Spring traction wheel.
Vehicle wheel.
Wheel hub light. E. H. Brown. 2,083,514; June 8.
Wheel hub unit. F. J. Baldwin. 2,083,188; June 8.
Wheeled structure, Compensating. W. F. Herold. 2,082,798; June 8.
Winch. J. M. Benson. 2,083,489; June 8.
Wind motor. J. D. Madaras. 2,082,966; June 8.
Window cleaner. R. L. Bragg. 2,082,821; June 8.
Window closer, Automatic. C. B. and C. H. Kauffman. 2,083,450; June 8.
Windows, Reenforced construction for art glass. W. H. N. Stevens. 2,083,409; June 8.
Wire motion for looms. W. W. Robertson. 2,082,909; June 8.
Wood and the like, Device for treating. O. R. Hellborg and G. A. Nyberg. 2,083,445; June 8.
Wood preservative or the like, Producing a. J. E. Harvey, Jr. 2,082,885; June 8.
Wrench set holder. C. E. Sundberg. 2,083,130; June 8.
Wrench set holder. K. A. Tornebohm. 2,083,131; June 8.
Yarn, Producing. J. L. Lohrke. 2,082,840; June 8.
Zinc and similar metals, Method and apparatus for rolling. E. E. Milner. 2,083,080; June 8.
Zinc and the coated article, Coating. M. Green. 2,082,950; June 8.
Zirconium opacifying pigment and making. C. J. Kinzie, J. A. Plunkett, and C. H. Commons, Jr. 2,083,024; June 8.

CLASSIFICATION OF PATENTS

ISSUED JUNE 8, 1937

NOTE.—First number=class, second number=subclass, third number=patent number

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2,083,346
2,083,402
33: 2,082,820
2,083,260
34: 2,082,793
2,082,965
36: Re.20,400
2,082,813
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251— 11: 2,083,154
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254— 22: 2,082,901
186: 2,083,489
255— 1: Re.20,398
11: 2,082,865
61: Re.20,405
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U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aaron, Harry, doing business as Aaron's Beauty Supply Company, Brooklyn, N. Y. Lathering oils. Serial No. 391,365; June 15. Class 6.

Aaron, Irving, Brooklyn, N. Y. Brilliantine, petroleum jelly, depilatory wax, etc. Serial No. 391,558; June 15. Class 6.

Abbotts Dairies, Incorporated, Philadelphia, Pa. Candy. Serial No. 375,367; June 15. Class 46.

Abrams & Linden, Inc., New York, N. Y. Furs in the piece. Serial No. 385,767; June 15. Class 1.

Activated Alum Corporation, New York, N. Y. Coagulant. Serial No. 375,112; June 15. Class 6.

Adalet Manufacturing Company, The, Cleveland, Ohio. Electrical conduit fittings. Serial No. 379,940; June 15. Class 21.

Adalet Manufacturing Company, The, Cleveland, Ohio. Electrical conduit fittings. Serial No. 380,490; June 15. Class 21.

Adjuvant Specialties Company, Jersey City, N. J. Preparation for the treatment of vitamin deficiencies. Serial No. 390,494; June 15. Class 6.

Agfa Ansco Corporation, Binghamton, N. Y. Photographic cameras. Serial No. 391,677; June 15. Class 26.

Aktiebolaget Doma, Barkargarde, Domnarvet, Sweden. Soap and cream for shaving, razor strops and hones, and paste for applying on strops. Serial No. 387,163; June 15. Class 4.

Allergy Research Foundation, The. (See Biederman, Gertrude.)

Allied Stores Corporation, doing business as The Bon Marche, Wilmington, Del., and Seattle, Wash. Sheets and pillow cases. Serial No. 391,450; June 15. Class 42.

Alto Products Company, Philadelphia, Pa. Italian style peeled tomatoes, and tomato paste. Serial No. 389,343; June 15. Class 46.

American Automatic Devices Co., Chicago, Ill. Vehicle rearview mirrors. Serial No. 390,946; June 15. Class 19.

Andersen, William K., New York, N. Y. Spark plugs. Serial No. 390,542; June 15. Class 21.

Arizona Citrus Growers, Phoenix, Ariz. Fresh citrus fruit. Serial No. 387,936; June 15. Class 46.

Assurex, le "Roi des Verres de Sécurité", Magnien, Monnier & Cie., Paris, France. Glass. Serial No. 365,282; June 15. Class 33.

Atlas Paper Box Company, Chattanooga, Tenn. School tablets. Serial Nos. 389,300–2; June 15. Class 37.

Augsburg Publishing House, Minneapolis, Minn. Publication. Serial No. 391,512; June 15. Class 38.

Austin Dog Bread & Animal Food Company, Chelsea, Mass. Food for domesticated carnivorous animals. Serial No. 391,797; June 15. Class 46.

Ayerst, McKenna & Harrison (United States) Limited, Rouses Point, N. Y. Bile salt preparation. Serial No. 387,849; June 15. Class 6.

Azmarin Sales Company. (See Colloty, Joseph A.)

Baig, Michael M., Montreal, Quebec, Canada. Rubber, gutta percha, and cellulose. Serial No. 376,372; June 15. Class 1.

Bailey Meter Company, Cleveland, Ohio. Quantity measuring apparatus of flowing fluids. Serial No. 379,866; June 15. Class 26.

Banner Tire Company, Boston, Mass. Automobile tires and tubes. Serial No. 389,815; June 15. Class 35.

Barnett, Joel, Chicago, Ill. Printed hotel forms of stationery. Serial No. 389,165; June 15. Class 37.

Belmet Products, Inc., New York, N. Y. Combination cigar and cigarette ash receiver and portable liquor bar. Serial No. 387,257; June 15. Class 32.

Betzing, P. R., doing business as Marco Products Company, Los Angeles, Calif. Certain pipe cleaning device. Serial No. 387,200; June 15. Class 23.

Biederman, Gertrude, doing business as The Allergy Research Foundation, Cincinnati, Ohio. Medicine. Serial Nos. 390,191–2; June 15. Class 6.

Black Diamond Co. (See Fan Tan Company.)

Black Flag Company, The, Baltimore, Md. Insecticides. Serial No. 390,260; June 15. Class 6.

Blank, Morris, doing business as Great Northern Laboratories, New York, N. Y. Mouth deodorizer. Serial No. 347,610; June 15. Class 6.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. Serial No. 391,515; June 15. Class 42.

Bon Marche, The. (See Allied Stores Corporation.)

Brucks, Arthur C., New York, N. Y. Powder puffs. Serial Nos. 391,739–40; June 15. Class 29.

Buck X-Ograph Company, St. Louis, Mo. Transfer and filing cabinets for cassettes and films, cassettes, film storage chests, etc. Serial No. 390,411; June 15. Class 26.

Bullock's, Inc., Los Angeles, Calif. Rugs and carpets. Serial No. 389,507; June 15. Class 42.

Buster, Sanford D., Jr., San Francisco, Calif. Speed sort systems. Serial No. 389,112; June 15. Class 37.

Butterfield, Fred, & Co., Inc., New York, N. Y. Linen in the piece. Serial No. 384,503; June 15. Class 42.

Butterick Company, Inc., The, New York, N. Y. Column. Serial No. 391,309; June 15. Class 38.

California Newspaper Publishers Association, Inc., Los Angeles, Calif. Periodical. Serial No. 387,889; June 15. Class 38.

California State Nurses Association, San Francisco, Calif. Magazine. Serial No. 391,741; June 15. Class 38.

Callen, R. S., Los Angeles, Calif. Honey, orange marmalade, currant jelly, etc. Serial No. 389,898; June 15. Class 46.

Cambridge Glass Co., The, Cambridge, Ohio. Table glassware and glassware for forming decorative centerpieces for table decoration. Serial No. 390,583; June 15. Class 33.

Carborundum Company, The, Niagara Falls, N. Y. Furnaces, kilns, combustion chambers, etc. Serial No. 387,983; June 15. Class 34.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 375,029; June 15. Class 42.

Centlivre Brewing Corporation, Fort Wayne, Ind. Beer. Serial No. 392,083; June 15. Class 48.

Chemical Products, Savannah, Ga. General cleaning preparation. Serial No. 391,051; June 15. Class 4.

Cherokee Hosiery Mills, Cleveland, Tenn. Hosiery. Serial No. 378,036; June 15. Class 39.

Circle Foods, Inc., New York, N. Y. Chocolate flavored malted milk powder. Serial No. 390,354; June 15. Class 46.

Circle V Gun Club of America. (See Webb, Ohmer W.)

Citrus City Growers Assn., Largo, Fla. Fresh citrus fruits. Serial No. 389,116; June 15. Class 46.

Citrus City Growers Assn., Largo, Fla. Fresh citrus fruits. Serial No. 389,118; June 15. Class 46.

Clair Manufacturing Co., Chicago, Ill. Chemical compound for deodorizing and disinfecting. Serial No. 391,112; June 15. Class 6.

Classic Weaving Corp., North Bergen, N. J. Upholstery and drapery fabrics. Serial No. 390,900; June 15. Class 42.

Cole Chemical Company, Inc., Wilmington, Del., and St. Louis, Mo. Pharmaceutical preparation. Serial No. 391,054; June 15. Class 6.

Colloty, Joseph A., doing business as Azmarin Sales Company, Waterbury, Conn. Preparation for aiding control and elimination of certain contributing causes of colds, etc. Serial No. 389,819; June 15. Class 6.

Consolidated Badger Cooperative, Shawano, Wis. Evaporated milk. Serial No. 388,261; June 15. Class 46.

Consolidated Slipper Corp., Bombay, N. Y. Leather. Serial No. 390,903; June 15. Class 1.

Continental Motors Corporation, Detroit and Muskegon, Mich. Sound reproducers and parts thereof. Serial No. 390,310; June 15. Class 21.

Country Press, Inc., Greenwich, Conn. Magazines. Serial No. 391,267; June 15. Class 38.

Country Press, Inc., New York, N. Y. Magazines. Serial Nos. 391,518–9; June 15. Class 38.

Cucamonga Valley Wine Co. (See Vai, Giovanni.)

Cu-Sol Products Corporation, New York, N. Y. Preparation for mange. Serial No. 391,313; June 15. Class 6.

Darlington Fabrics Corporation, New York, N. Y. Piece goods, elastic webbings, and elastic sheetings. Serial No. 381,023; June 15. Class 42.

Davis, Don V., University City, Mo. Liquid preparation used in the treatment and relief of insect bites, etc. Serial No. 388,741; June 15. Class 6.

Davis, H. B., Co., The, Baltimore, Md. Paints, paint enamels, and varnishes. Serial No. 390,694; June 15. Class 16.

Deering Milliken & Co., Inc., New York, N. Y. Piece goods. Serial No. 390,952; June 15. Class 42.

Delafield Nurseries. (See Marsico, Sisto E.)

Del Monte-Hickey Company, Inc., New York, N. Y. Piece goods. Serial No. 390,725; June 15. Class 42.

Devonshire Mills Company, Inc., New York, N. Y. Wide goods in the piece. Serial No. 391,019; June 15. Class 42.

DeWitt, Marion F., New York, N. Y. Blouses. Serial No. 390,588; June 15. Class 39.

Diebert Bros. & Snyder, Biola and Fresno, Calif. Raisins. Serial Nos. 391,463–4; June 15. Class 46.

Distillerie Stock S. A., Trieste, Italy. Cognac and brandy. Serial No. 391,856; June 15. Class 49.

Doctors Products Company, Lebanon, Pa. Antacid powder. Serial No. 386,415; June 15. Class 6.

Dolese & Shepard Co., Chicago, Ill. Pulverized dolomite. Serial No. 391,465; June 15. Class 1.

Doral Food Products Co., Inc., New York, N. Y. Chocolate flavored malted milk powder. Serial No. 390,780; June 15. Class 46.

Dritz-Traum Company, Inc., New York, N. Y. Wool yarn. Serial No. 391,564; June 15. Class 43.

Dritz-Traum Company, Inc., New York, N. Y. Wool yarn. Serial No. 391,568; June 15. Class 43.

Dunning, Charles H., Phoenix, Ariz. Fresh citrus fruits and fresh dates, and canned fruit juices. Serial No. 390,781; June 15. Class 46.

Duryea, Benjamin L., New York, N. Y. Detergent and cleansing fluid. Serial No. 389,349; June 15. Class 4.

Ehlers, Albert, Inc., Brooklyn, N. Y. Tea. Serial No. 391,569; June 15. Class 46.

Elco Grease and Oil Company, The, Cleveland, Ohio. Lubricating oils and greases. Serial No. 391,523; June 15. Class 15.

Electric Time & Utilities Co., Chicago, Ill. Electric clocks. Serial No. 391,752; June 15. Class 27.

Elk Horn Coal Corporation, The, Cincinnati, Ohio. Bituminous coal. Serial No. 389,824; June 15. Class 1.

Elwell, Rollin M., doing business as Trailer Equipment Co., Breen Bay, Wis. Bottled gas for cooking and heating. Serial No. 386,419; June 15. Class 6.

Ely & Walker Dry Goods Company, St. Louis, Mo. Dresses. Serial No. 391,631; June 15. Class 39.

Emulsion Products Co., Inc., Los Angeles, Calif. Compound for stainproofing wash fabrics and rendering the same water repellent. Serial No. 391,061; June 15. Class 6.

Eraser Company, Inc., The, Syracuse, N. Y. Erasers. Serial No. 376,039; June 15. Class 37.

Ernst, Edward C., doing business as The Handy Mandy Co., Hubbard, Ohio. Hand truck. Serial No. 384,792; June 15. Class 19.

Eureka Woolen Mills, Inc., Eureka, Calif. Fabrics in the piece. Serial No. 391,118; June 15. Class 42.

Everedy Company, The, Frederick, Md. Hollowware. Serial No. 391,119; June 15. Class 13.

Exhibit Supply Company, The, Chicago, Ill. Coin-controlled amusement apparatus. Serial No. 392,206; June 15. Class 22.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Rubber erasers. Serial No. 391,522; June 15. Class 37.

Fabriform Steel Products Co. (See Glick, Fred P.)

Famous Distributing Corporation, New York, N. Y. Whiskey, gin, cordials, etc. Serial No. 392,364; June 15. Class 49.

Fansteel Metallurgical Corporation, North Chicago, Ill. Alloys. Serial No. 391,693; June 15. Class 14.

Fan Tan Company, Inc., doing business as Black Diamond Co., Chicago, Ill. Hair dye. Serial No. 391,179; June 15. Class 6.

Federated Mills, Inc., New York, N. Y. Cleansing tissues. Serial No. 391,380; June 15. Class 37.

Federbush Company, Inc., The, New York, N. Y. Loose leaf binders. Serial No. 389,393; June 15. Class 37.

Felters Company, The, Boston, Mass. Vibration absorbing materials for acoustic, etc. purposes. Serial No. 391,632; June 15. Class 12.

Ferry-Morse Seed Company, Detroit, Mich. Seeds. Serial No. 389,512; June 15. Class 1.

Fleming Manufacturing Co., Inc., Worcester, Mass. Oil filters. Serial No. 390,447; June 15. Class 31.

Fox, Geo. E., & Company, Chicago, Ill. Counter and desk tops, letter trays, and clip boards. Serial No. 384,227; June 15. Class 32.

Fries & Fries, Inc., Cincinnati, Ohio. Perfumes, perfume oils and extracts, etc. Serial No. 384,415; June 15. Class 6.

Frober Faybor Company, Cleveland, Ohio. Photometers. Serial No. 389,515; June 15. Class 26.

Gaire, Paul, Jr., New York, N. Y. Hair preparation. Serial No. 391,274; June 15. Class 6.

Gaire, Paul, Jr., New York, N. Y. Permanent wave device. Serial No. 391,314; June 15. Class 44.

Galef, Jacques L., New York, N. Y. Alarm pistols, alarm revolvers, automatic pistols, etc. Serial No. 390,730; June 15. Class 9.

Galison, Phillip, doing business as Primrose Manufacturing Company, New York, N. Y. Dresses. Serial No. 387,438; June 15. Class 39.

Gargiulo, Pasquale, Los Gatos, Calif. Medicine. Serial No. 389,124; June 15. Class 6.

Gemloid Corporation, New York, N. Y. Cellulosic derivative product. Serial No. 383,164; June 15. Class 1.

General Dyestuff Corporation, New York, N. Y. Pigment dyestuffs. Serial No. 391,004; June 15. Class 6.

Glick, Fred P., doing business as Fabriform Steel Products Co., Bell, Calif. Trailers. Serial No. 388,444; June 15. Class 19.

Globe Roofing Products Co. Inc., Chicago, Ill. Asphalt composition roofing and building papers. Serial Nos. 389,017–18; June 15. Class 12.

Globe Roofing Products Co. Inc., Chicago, Ill. Asphalt composition roofing and building papers. Serial Nos. 389,022–23; June 15. Class 12.

Golding Bros. Company, Inc., New York, N. Y. Mattresses. Serial No. 391,385; June 15. Class 32.

Goldman, Wm. P., & Bros., Inc., New York, N. Y. Men's coats. Serial No. 378,991; June 15. Class 39.

Goldsmith Bros., New York, N. Y. Aromatic spirit of ammonia, rubbing alcohol, aspirin, etc. Serial No. 384,745; June 15. Class 6.

Goldsmith Bros., New York, N. Y. Shorts and undershirts, pajamas, etc. Serial No. 390,516; June 15. Class 39.

Goodman, Albert, doing business as Independent Glass Co., New York, N. Y. Oil burning lamp. Serial No. 391,275; June 15. Class 34.

Goodman & Suss Clothes Corporation, New York, N. Y. Coats, vests, trousers, etc. Serial No. 389,461; June 15. Class 39.

Gordon, Edgar, Los Angeles, Calif. Newspaper. Serial No. 391,474; June 15. Class 38.

Grandpa Brands Company, Cincinnati, Ohio. Carbonated soft drink concentrates. Serial No. 390,647; June 15. Class 45.

Great Northern Laboratories. (See Blank, Morris.)

Green Gypsy Products, Minneapolis, Minn. Bird foods. Serial No. 389,876; June 15. Class 46.

Greenebaum, M. H., Inc., New York, N. Y. Sausages of the frankfurter variety. Serial No. 391,262; June 15. Class 46.

Grey Hosiery Mills, Hendersonville, N. C. Hosiery. Serial No. 391,699; June 15. Class 39.

Guardian Electric Manufacturing Co., Chicago, Ill. Electrical control equipment. Serial No. 388,679; June 15. Class 21.

Haberman and Rosenberg, Los Angeles, Calif. Woolen piece goods. Serial No. 391,528; June 15. Class 42.

Hall, Martin L., Company, Boston, Mass. Coffee. Serial No. 389,859; June 15. Class 46.

Haurit Company, Kansas City, Mo. Coin controlled amusement apparatus. Serial No. 389,315; June 15. Class 22.

Handy Mandy Co., The. (See Ernst, Edward C.)

Harper-Wyman Manufacturing Company, Chicago, Ill. Gas range valves, gas coffee brewer valves, etc. Serial No. 378,141; June 15. Class 13.

Harris Eye Lotion Co. Inc., New York, N. Y. Eye lotions. Serial No. 388,615; June 15. Class 6.

Hat Corporation of America, Norwalk, Conn. Hats for men. Serial No. 391,323; June 15. Class 39.

Hawkshaw, John W., doing business as Pyramid Oil Company, Washington, D. C. Motor lubricating oils and greases, and gasoline. Serial No. 391,423; June 15. Class 15.

Hearst Publications, Incorporated, Los Angeles, Calif. Title or news column caption. Serial No. 391,789; June 15. Class 38.

Heppenstall Company, Pittsburgh, Pa. Rolls made of metal. Serial No. 391,127; June 15. Class 14.

Hepworth & Grandage Limited, Bradford, England. Piston rings. Serial No. 389,735; June 15. Class 35.

Herkimer Fibre Company, The, New York, N. Y. Leatherboard. Serial No. 390,787; June 15. Class 50.

Hershel, Aron, doing business as A. Herschel Canning Company, Stockton, Calif. Tomato paste and concentrated tomatoes. Serial No. 378,076; June 15. Class 46.

Hertz & Greenspan, Inc., New York, N. Y. Dyed fur coats for women. Serial No. 390,954; June 15. Class 39.

Hoffman Specialty Company, Waterbury, Conn. Chemical compositions. Serial No. 383,529; June 15. Class 6.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, skin lotion, etc. Serial No. 387,870; June 15. Class 6.

Hrobak, Frank, Philadelphia, Pa. Lithiated lemon beverage and sirup and extract for making the same. Serial No. 391,531; June 15. Class 45.

Independent Glass Co. (See Goodman, Albert.)

Indiana Steel Products Company, Chicago, Ill. Steels having a tungsten content. Serial No. 391,813; June 15. Class 14.

Italian Cigar and Tobacco Company, Inc., The, Brooklyn, N. Y. Cigars. Serial No. 391,071; June 15. Class 17.

Johnson, S. C., & Son, Inc., Racine, Wis. Liquid wax polish. Serial No. 379,523; June 15. Class 16.

Jones, Veda, Pueblo, Colo. Juvenile clothing. Serial No. 387,483; June 15. Class 39.

Joseph & Feiss Company, The, Cleveland, Ohio. Overcoats. Serial No. 377,549; June 15. Class 39.

Juhl, Curt, Beverly Hills, assignor to Pacific Employers Insurance Co., Los Angeles, Calif. Section of printed publications. Serial No. 390,653; June 15. Class 38.

Kain, Ida J., New York, N. Y. Newspaper section. Serial No. 388,235; June 15. Class 38.

Kensington, Incorporated, New Kensington, Pa. Ornamental bowls, dishes, jars, etc. Serial No. 374,197; June 15. Class 2.

Kerk Guild, Inc., Whitesboro, N. Y. Toilet and bath soaps. Serial Nos. 391,074–5; June 15. Class 4.

Kinsey Distilling Company, Inc., Philadelphia, Pa. Whiskey. Serial No. 392,430; June 15. Class 49.

Kleinert, I. B., Rubber Company, New York, N. Y. Playpen rugs, high chair pads, nursery chair pads, etc. Serial No. 390,417; June 15. Class 50.

Knight-Counihan Company, San Francisco, Calif. House organ and trade magazine. Serial No. 388,397; June 15. Class 38.

Lander Co. Inc., The, New York, N. Y. Face powder, hair pomade, hand cream, etc. Serial No. 390,655; June 15. Class 6.

Larsen, Arthur T., Duluth, Minn. Insulated containers. Serial No. 391,228; June 15. Class 2.

Laucks, I. F., Inc., Seattle, Wash. Under or priming coat for wood cement, etc., and for a filler, sealer, etc. Serial No. 392,221; June 15. Class 16.

Laucks, I. F., Inc., Seattle, Wash. Under or priming coat for wood, cement, etc., and for a filler, sealer, etc. Serial No. 392,223; June 15. Class 16.

Lax-Vita Limited, London, England. Medicated laxative preparations. Serial No. 389,256; June 15. Class 6.

Lesch, Rudolf, Fine Arts, Incorporated, New York, N. Y. Colored etchings. Serial No. 388,989; June 15. Class 38.

Levenson Company, The, Boston, Mass. Women's and misses' coats. Serial No. 389,321; June 15. Class 39.

Levering Coffee Company, The, Baltimore, Md. Tea. Serial No. 390,927; June 15. Class 46.

Levin, Abraham I., doing business as Rawhide Products Co., Kenilworth, N. J. Sofas, chairs, dining room suites, etc. Serial No. 388,011; June 15. Class 32.

Le Vine, Bernie, Dallas, Tex. Acne cream, acne lotion, acne powder, etc. Serial No. 387,166; June 15. Class 6.

Levy, Cornelius A., Baltimore, Md. Base metal plate for serving shell-fish. Serial No. 389,687; June 15. Class 13.

Libby, McNeill & Libby, Chicago, Ill. Nonalcoholic drink. Serial No. 391,705; June 15. Class 45.

Lily Mills Company, Shelby, N. C. Crochet yarn. Serial No. 390,419; June 15. Class 43.

Lindahl, William C., doing business as W. C. Lindahl, Chicago, Ill. Liquid cement. Serial No. 374,005; June 15. Class 5.

Liquor Dealers Supply Co., Chicago, Ill. Whiskey. Serial No. 392,433; June 15. Class 49.

Lloyd, Pansy B., Sioux City, Iowa. Combination top and board game. Serial No. 387,194; June 15. Class 22.

Locomotive Finished Material Company, The, Atchison, Kans. Sectional cylinder packing rings. Serial No. 366,287; June 15. Class 35.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 381,036; June 15. Class 46.

Lubri-Zol Corporation, The, Cleveland and Wickliffe, Ohio. Chemical motor fuel addition agents. Serial No. 388,867; June 15. Class 6.

Lumbermens Merchandising Corporation, Philadelphia, Pa. Lumber and millwork. Serial No. 391,707; June 15. Class 12.

Lupomatic Tumbling Machine Co. Inc., New York, N. Y. Tumbling barrels and machines for abrading, etc. Serial No. 391,579; June 15. Class 23.

Lyo Manufacturing Co. (See Lyons, Maggie.)

Lyons, Maggie, doing business as Lyo Manufacturing Co., Minden, La. Preparation for the treatment of rheumatism, neuritis, lumbago, etc. Serial No. 381,679; June 15. Class 6.

Macy, R. H., & Co., Inc., New York, N. Y. Hair tonic. Serial No. 389,741; June 15. Class 6.

Macy, R. H., & Co., Inc., New York, N. Y. Toothpaste and mouth wash. Serial No. 389,742; June 15. Class 6.

Madeira Linen Importing Company, New York, N. Y. White bleached cotton muslin pillow cases, bed sheets, quilt covers, etc. Serial No. 389,028; June 15. Class 42.

Maintenance Publishing Company. (See Rimbach, Richard.)

Malcolm, W. G., Chetek, Wis. Medicinal preparation. Serial No. 390,929; June 15. Class 6.

Mandelbaum, Henry, & Co., Inc., New York, N. Y. Ladies' and misses' coats and suits. Serial No. 389,836; June 15. Class 39.

Marbon Corporation, Chicago, Ill. Golf balls. Serial No. 392,438; June 15. Class 22.

Marco Products Company. (See Betzing, P. R.)

Marshall, C. & E., Co., Chicago, Ill. Watch cleaning solutions. Serial No. 388,651; June 15. Class 4.

Marsico, Sisto E., doing business as Delafield Nurseries, Aspinwall, Pa. Insecticide. Serial No. 386,435; June 15. Class 6.

Marvlo Mills, Inc., New York, N. Y. Synthetic textile fabrics. Serial No. 390,856; June 15. Class 42.

Marvlo Mills, Inc., New York, N. Y. Piece goods and synthetic textile fabrics. Serial Nos. 390,857–8; June 15. Class 42.

Matson, Charles H., doing business as Chas. H. Matson, New York, N. Y. After shaving lotion, cold cream, cleansing cream, etc. Serial No. 382,194; June 15. Class 6.

Mauk, C. A., Lumber Company, The, Toledo, Ohio. Shingles. Serial No. 390,223; June 15. Class 12.

Meadox Weaving Co., Inc., West New York, N. J. Brocatelle, damask, and brocade fabrics. Serial No. 390,931; June 15. Class 42.

Med-O-Mist Mushroom Company, Drayton Plains, Mich. Fresh mushrooms. Serial No. 390,661; June 15. Class 46.

Mendelsohn, Samuel, New York, N. Y. Photoflash synchronizers for cameras. Serial No. 387,198; June 15. Class 26.

Metropolitan Roofing Supplies Co., Inc., New York, N. Y. Plastic fibrous cement. Serial No. 389,842; June 15. Class 12.

Meyer-Stark Mfg. Co., The, Detroit, Mich. Luggage. Serial No. 389,365; June 15. Class 3.

Midwest Dental Mfg. Co. (See Staunt, Martin.)

Milk Minerals Co. Inc., Chicago, Ill. Wafers containing calcium salts and vitamin D, etc. Serial No. 390,330; June 15. Class 6.

Miller Becker Co., The, Cleveland, Ohio. Beverages, syrups, extracts, and flavors used in making the same. Serial No. 388,587; June 15. Class 45.

Miller-Radeschi, Inc., New York, N. Y. Ladies' and children's shoes. Serial No. 391,190; June 15. Class 39.

Millville Manufacturing Company, The, Philadelphia, Pa. Piece goods. Serial No. 391,426; June 15. Class 42.

Molinard Inc., New York, N. Y. Perfumes. Serial No. 391,429; June 15. Class 6.

Molinard Inc., New York, N. Y. Perfume extracts, toilet water, cologne, etc. Serial No. 391,430; June 15. Class 6.

Monarch Trunk Company, Ltd., Inc., Los Angeles, Calif. Overnight cases, suit cases, wardrobe hand cases, etc. Serial No. 386,551; June 15. Class 3.

Morny Limited, London, England. Toilet soap and bath soap. Serial No. 375,338; June 15. Class 4.

Naamlooze Vennootschap Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Copying apparatus and developing apparatus for technical and "plan" reproduction, etc. Serial No. 388,955; June 15. Class 26.

National Oil Products Co., Harrison, N. J. Animal, vegetable and fish oils. Serial No. 381,465; June 15. Class 6.

National Printing Appliance Corporation, New York, N. Y. Mats, magazines for mats, and cams and accessories therefor. Serial No. 383,367; June 15. Class 23.

National Weeklies, Inc., Winona, Minn. Publication. Serial No. 391,773; June 15. Class 38.

New England Distilling Company, The, Covington, Ky. Rum. Serial No. 390,526; June 15. Class 49.

Newton Falls Paper Company, Inc., New York, N. Y. Wall paper in rolls or sheets. Serial No. 391,036; June 15. Class 37.

Northern Glove & Mitten Company, Green Bay, Wis. Mittens. Serial No. 389,846; June 15. Class 39.

Nutritional Research Associates, Inc., South Whitley, Ind. Solution of carrot extract in vegetable oil. Serial No. 382,100; June 15. Class 46.

Pacific Employers Insurance Co. (See Juhl, Curt.)

Pacific Lumber Company, The, San Francisco, Calif. Finely shredded bark. Serial No. 389,148; June 15. Class 1.

Packard Motor Car Company, Detroit, Mich. Rotary cutting tools. Serial No. 387,591; June 15. Class 23.

Padre Vineyard Co., Los Angeles, Calif. Wines. Serial No. 391,487; June 15. Class 47.

Padre Vineyard Co., Los Angeles, Calif. Brandy. Serial No. 391,488; June 15. Class 49.

Paragon Oil Co., Inc., Brooklyn, N. Y. Lubricating oils and greases. Serial No. 391,300; June 15. Class 15.

Parents' Institute, Inc., The, New York, N. Y. Monthly publication. Serial No. 391,283; June 15. Class 38.

Parfums Charbert, Inc., New York, N. Y. Cosmetics. Serial No. 391,086; June 15. Class 6.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. Serial Nos. 392,448–9; June 15. Class 22.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Card game. Serial No. 392,450; June 15. Class 22.

Parris-Dunn Corporation, Clarinda, Iowa. Wind-driven electric generator apparatus. Serial No. 389,849; June 15. Class 21.

Peff, Peter, doing business as Superior Air Products Co., Newark, N. J. Machinery and apparatus for deriving oxygen and nitrogen from the air, etc. Serial No. 386,442; June 15. Class 23.

Peters, F. C., Inc., Goulds, Fla. Potatoes. Serial No. 376,395; June 15. Class 46.

Piru Citrus Association, Piru, Calif. Fresh citrus fruits—namely, oranges. Serial No. 391,970; June 15. Class 46.

Poehlmann, Otto H., doing business as Poehlmann Laboratory, San Rafael, Calif. Liquid antiseptic. Serial No. 385,467; June 15. Class 6.

Porcelain Enamel and Manufacturing Company of Baltimore, The, Baltimore, Md. Enamel frits, oxides, and opacifiers. Serial No. 389,885; June 15. Class 1.

Porter, H. K., Inc., Everett, Mass. Portable two-hand cutting-off tools, and single-hand cutting-off metal working tools, and parts thereof. Serial No. 391,656; June 15. Class 23.

Previtera, Rosario, doing business as Previtera Cigar Co., New York, N. Y. Cigars. Serial No. 390,863; June 15. Class 17.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Primrose Manufacturing Company. (See Galison, Philip.)
Pyramid Oil Company. (See Hawkshaw, John W.)
Quaker Oats Company, The, Chicago, Ill. Candy. Serial No. 389,035; June 15. Class 46.
RCA Manufacturing Company, Inc., Camden, N. J. Radio tube data finders. Serial No. 391,588; June 15. Class 26.
RCA Manufacturing Company, Inc., Camden and Harrison, N. J. Fluorescent material. Serial Nos. 391,400–01; June 15. Class 6.
Rawhide Products Co. (See Levin, Abraham I.)
Register & Tribune Company, The, Des Moines, Iowa. Magazine. Serial No. 384,867; June 15. Class 38.
Reliance Fertilizer Company, Savannah, Ga. Fertilizer. Serial Nos. 391,589–90; June 15. Class 10.
Rexair, Inc., Detroit, Mich. Moth proof preparation. Serial No. 388,331; June 15. Class 6.
Rhodes, M. H., Inc., New York, N. Y. Time-controlled devices. Serial No. 379,586; June 15. Class 26.
Richards, Boggs and King, Inc., Chicago, Ill. Rain capes. Serial No. 380,970; June 15. Class 39.
Richardson Company, The, Lockland, Ohio. Cell cover for storage batteries. Serial No. 345,143; June 15. Class 21.
Rimbach, Richard, doing business as Maintenance Publishing Company, Pittsburgh, Pa.. Magazines. Serial No. 391,039; June 15. Class 38.
Sani Products Mfg. Co. (See Scolaro, Mary.)
Scholl Mfg. Co., Inc., The, New York, N. Y., and Chicago, Ill. Foot arch supports, metatarsal arch supports, arch pads, etc. Serial No. 366,440; June 15. Class 44.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Medicated corn, callous, and bunion pads. Serial No. 373,394; June 15. Class 6.
Schroeder Bros., Inc., New York, N. Y. Sherry. Serial No. 391,041; June 15. Class 47.
Scolaro, Mary, doing business as Sani Products Mfg. Co., Auburn, N. Y. Culinary apparatus. Serial No. 387,598; June 15. Class 23.
Sea Gull Specialty Company, The, Baltimore, Md. Tea and coffee. Serial No. 389,593; June 15. Class 46.
Selchow & Righter Company, New York, N. Y. Board games played with pieces. Serial No. 392,110; June 15. Class 22.
Shaker Grove Dairy, Inc., Cleveland, Ohio. Ice cream. Serial No. 391,247; June 15. Class 46.
Sherman Paper Products Corporation, Newton, Mass. Paper. Serial No. 391,554; June 15. Class 37.
Sherwin-Williams Co., The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. Serial No. 390,818; June 15. Class 16.
Shulton, Inc., New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. Serial No. 391,012; June 15. Class 6.
Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream and sticks, etc. Serial No. 391,013; June 15. Class 4.
Sil-O-Ette Underwear Corp., New York, N. Y. Underwear. Serial No. 391,364; June 15. Class 39.
Sklenarik, Frank, South Norwalk, Conn. Musical strings. Serial No. 375,816; June 15. Class 36.
Snyder-Faucher Co., Middletown, N. Y. Canned fruits and vegetables, canned apple sauce, etc. Serial No. 388,484; June 15. Class 46.
Solnol Corporation, Providence, R. I. Oils and fatty acids or derivatives thereof. Serial No. 391,256; June 15. Class 6.
Sonotone Corporation, New York, N. Y. Devices for fitting a hearing-aid to the needs of a person of impaired hearing and the elements and accessories thereof. Serial No. 389,944; June 15. Class 44.
Southwest Fruit Growers Inc., Phoenix, Ariz. Fresh citrus fruit and canned citrus fruit juices. Serial No. 390,386; June 15. Class 46.
Standard Mailing Machines Company, Everett, Mass. Duplicating carbon paper. Serial No. 386,968; June 15. Class 11.
Standard Oil Company of New Jersey, Wilmington, Del. Hydrocarbon gases. Serial No. 391,403; June 15. Class 6.
Stange, Wm. J., Co., Chicago, Ill. Spices. Serial No. 391,155; June 15. Class 46.
Staunt, Martin, doing business as Midwest Dental Mfg. Co., Chicago, Ill. Dental supplies—namely, hand pieces for dental drills and dental replacement gears. Serial No. 391,102; June 15. Class 44.
Stein, Hall & Company, Inc., New York, N. Y. Solution of sodium lactate. Serial No. 391,356; June 15. Class 6.
Stitzel Weller Distillery Incorporated, Louisville, Ky. Whiskey. Serial No. 392,507; June 15. Class 49.
Stuhler, George R., Evanston, Ill. Astringents, cleansing creams, tissue creams, etc. Serial No. 388,520; June 15. Class 6.
Sturge, John & E., Limited, Birmingham, England. Powder for use in cosmetics and toilet preparations. Serial No. 385,865; June 15. Class 6.
Superior Air Products Co. (See Peff, Peter.)
Superior Door Catch Company, Superior, Wis. Fishing spoons. Serial No. 392,339; June 15. Class 22.
Tex-Ite Products Corp., Brooklyn, N. Y. Cleaning compounds. Serial No. 390,567; June 15. Class 4.
Tobé Inc., New York, N. Y. Section in a monthly publication. Serial No. 391,596; June 15. Class 38.
Trailer Equipment Co. (See Elwell, Rollin M.)
Ultramar Manufacturing Corporation, Chicago, Ill. Radio receivers. Serial No. 390,678; June 15. Class 21.
Union Food Products Co., The, Greenville, Ohio. Peanut butter, prepared mustard and tomato ketchup. Serial No. 390,292; June 15. Class 46.
United Liquor Package Dealers of Massachusetts, Inc., Cambridge, Mass. Whiskey. Serial No. 391,499; June 15. Class 49.
United States Finishing Company, The, Providence, R. I. Textile fabrics. Serial No. 388,996; June 15. Class 42.
United States Lime Products Corporation, San Francisco, Calif. Hydrated lime and prepared plaster. Serial No. 391,556; June 15. Class 12.
United States Products Corporation, Ltd., San Jose, Calif. Fruit juices for beverage purposes. Serial No. 391,598; June 15. Class 45.
Universal Brassiere & Justrite Corset Co. Inc., New York, N. Y. Corsets, corselets, girdles, etc. Serial No. 391,293; June 15. Class 39.
Vai, Giovanni, doing business as Cucamonga Valley Wine Co., Los Angeles and Ontario, Calif. Wines. Serial Nos. 391,501–2; June 15. Class 47.
Valian, George, Detroit, Mich. Salve. Serial No. 391,406; June 15. Class 6.
Valoris Company, Chicago, Ill. Medicinal preparation for bleeding of the gums and pyorrhea. Serial No. 381,502; June 15. Class 6.
Van Bourgondien Bros., Babylon, N. Y. Bulbs and plants. Serial No. 391,441; June 15. Class 1.
Vance, Alva J., doing business as Vesco Co., Los Angeles, Calif. Apparatus for effecting separation of the parts of dentures. Serial No. 391,360; June 15. Class 44.
Vapodine Co., The, Philadelphia, Pa. Iodine product. Serial No. 391,251; June 15. Class 6.
Vesco Co. (See Vance, A. J.)
Waterman, J. S., & Co. Inc., New Orleans, La. Baking powder, cake flavor, canned shrimp, etc. Serial No. 376,616; June 15. Class 46.
Waterman, L. E., Company, New York, N. Y. Writing ink. Serial No. 391,099; June 15. Class 11.
Watson-Guptill Publications, Inc., New York, N. Y. Periodical published monthly. Serial No. 391,669; June 15. Class 38.
Webb, Obmer W., doing business as Circle V Gun Club of America, Bennings, D. C. Target cards for short range shooting. Serial No. 391,362; June 15. Class 22.
Werner, R. D., Co. Inc., New York, N. Y. Metal mouldings, castings, and forgings. Serial No. 390,428; June 15. Class 14.
West Disinfecting Company, Long Island City, N. Y. Deodorant and antiseptic spray for disagreeable odors. Serial No. 391,198; June 15. Class 6.
Western Condensing Co., San Francisco, Calif. Process reduced milk. Serial No. 383,079; June 15. Class 46.
Western Milling Co., Pendleton, Oreg. Wheat flour. Serial No. 391,717; June 15. Class 46.
Western Milling Co., Pendleton, Oreg. Wheat flour. Serial No. 391,721; June 15. Class 46.
Western Milling Co., Pendleton, Oreg. Wheat flour. Serial No. 391,722; June 15. Class 46.
Western Milling Co., Pendleton, Oreg. Wheat flour. Serial Nos. 391,724–5; June 15. Class 46.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric welders. Serial No. 390,879; June 15. Class 21.
Wilmington Fibre Specialty Company, Wilmington and New Castle, Del. Fibre desk-pedestal corner guards to protect clothing from splinters. Serial No. 391,100; June 15. Class 13.
Wilson, Rose O'N., Saugatuck, Conn. Cartoons. Serial No. 391,506; June 15. Class 38.
Winter-Drittel, Inc., New York, N. Y. Dresses and blouses. Serial No. 391,295; June 15. Class 39.
Young America Dance Frocks, Inc., New York, N. Y. Frocks and dresses, and evening gowns. Serial No. 389,162; June 15. Class 39.
Yu Kau Company, Inc., Detroit, Mich. Hair color restorers and dandruff removers. Serial No. 374,447; June 15. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A/S Einar Hausvik & Co., Bergen, Norway. Canned fish. 346,985; June 15; Serial No. 386,391; published Apr. 6, 1937. Class 46.
Abercrombie & Fitch Company, New York, N. Y. Golf bags, fishing-rod cases, tennis racket cases, etc. 346,982; June 15; Serial No. 386,140; published Apr. 6, 1937. Class 22.
Acme Flour Mills Co., The, Oklahoma City, Okla. Wheat flour. 347,007; June 15; Serial No. 387,426; published Mar. 30, 1937. Class 46.
Acme Glove Corporation, Gloversville, N. Y. Gloves. 346,968; June 15; Serial No. 385,431; published Jan. 19, 1937. Class 39.
Ain, Harry L., New York, N. Y. Prophylactic rubber articles. 346,931; June 15; Serial No. 380,735; published Apr. 6, 1937. Class 44.
Albers Bros. Milling Co., Portland, Oreg.; San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Calif.; and Seattle, Tacoma, and Spokane, Wash. Stock feeds. 346,971; June 15; Serial No. 385,620; published Apr. 6, 1937. Class 46.
Alpert Press, The, Brooklyn, N. Y. Monthly publication. 346,990; June 15; Serial No. 386,712; published Apr. 6, 1937. Class 38.
American Chicle Co., New York, to American Chicle Company, Long Island City, N. Y. Chewing-gum. 117,501; renewed July 17, 1937.
American Chicle Company, Long Island City, N. Y. Chewing gum. 347,048; June 15; Serial No. 388,042; published Apr. 6, 1937. Class 46.
American Optical Company, Southbridge, Mass. Ophthalmic lenses and blanks for ophthalmic lenses. 347,034; June 15; Serial No. 387,850; published Apr. 6, 1937. Class 26.
Annette Island Canning Co., Ketchikan, Alaska, and Seattle, Wash. Canned salmon. 347,004; June 15; Serial No. 387,260; published Mar. 30, 1937. Class 46.
Arizona Citrus Growers, Phoenix, Ariz. Grapefruit. 347,181; June 15. Class 46.
Arizona Citrus Growers, Phoenix, Ariz. Oranges. 347,280; June 15. Class 46.
Armor Bronze Company. (See Collis, George B.)
Arons, Edward, Cleveland, Ohio. Wire springs and spring constructions for seats, davenports, chairs, etc. 346,989; June 15; Serial No. 386,576; published Apr. 6, 1937. Class 32.
Atlas Ago Chemische Fabrik Aktiengesellschaft, Molkau, near Leipzig, Germany. Orthopedic shoes. 347,066; June 15; Serial No. 388,220; published Apr. 6, 1937. Class 39.
Atlas Brewing Company, Chicago, Ill. Beer. 347,105; June 15; Serial No. 388,609; published Apr. 6, 1937. Class 48.
Atlas Supply Company, Newark, N. J. Rubber tires. 347,024; June 15; Serial No. 387,775; published Apr. 6, 1937. Class 35.
Auto City Plating Co., Inc., Detroit, Mich. Cast iron cooking hollowware. 347,052; June 15; Serial No. 388,114; published Apr. 6, 1937. Class 13.
Autoyre Company, The, Oakville, Conn. Snap-fasteners. 118,738; renewed Oct. 2, 1937.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 346,987; June 15; Serial No. 386,470; published Apr. 6, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 346,988; June 15; Serial No. 386,515; published Apr. 6, 1937. Class 17.
Baldwin Belting and Leather Company, Inc., The, New York, N. Y. Leather belting. 347,041; June 15; Serial No. 387,972; published Apr. 6, 1937. Class 35.
Barrell, William L., Company, Inc., New York, N. Y. High count, light weight cotton fabrics dyed and waterproofed. 346,995; June 15; Serial No. 386,925; published Apr. 6, 1937. Class 50.
Barrie, Chester, Inc., New York, N. Y. Men's suits. 346,918; June 15; Serial No. 374,320; published Apr. 6, 1937. Class 39.
Bell Textile Company, New York, N. Y. Blankets. 347,042; June 15; Serial No. 387,973; published Apr. 6, 1937. Class 42.
Bleitz, J. J., Seattle, Wash. Cremation furnaces for cremating human bodies. 346,929; June 15; Serial No. 380,338; published Apr. 6, 1937. Class 34.
Bloomingdale Bros., Inc., New York, N. Y. Hats, slips, neckties, hose, etc. 346,933; June 15; Serial No. 380,942; published Oct. 27, 1936. Class 39.
Blue Anchor Beverage Company, Philadelphia, Pa. Malt-less beverages. 347,198; June 15. Class 45.
Bohack, H. C., Co., Inc., New York, N. Y. Sausages. 346,957; June 15; Serial No. 383,715; published Apr. 6, 1937. Class 46.
Bonat & Bonat, Inc., New York, N. Y. Permanent hair wave pads, spacers, curling rods, etc. 346,937; June 15; Serial No. 381,861; published Apr. 6, 1937. Class 44.
Bonwit Teller, Inc., New York, N. Y. Shoes. 346,916; June 15; Serial No. 373,994; published Apr. 6, 1937. Class 39.
Botany Worsted Mills, Passaic, N. J. Woolen piece goods. 347,116–7; June 15; Serial Nos. 388,755–6; published Apr. 6, 1937. Class 42.
Botany Worsted Mills, Passaic, N. J. Woolen piece goods. 347,118–9; June 15; Serial Nos. 388,758–9; published Apr. 6, 1937. Class 42.
Bowman, Abram S., doing business as A. Smith Bowman Distillery, Sunset Hills, Va. Whiskey. 347,081; June 15; Serial No. 388,341; published Apr. 6, 1937. Class 49.
Brach, E. J., & Sons, Chicago, Ill. Candies. 347,120; June 15; Serial No. 388,760; published Apr. 6, 1937. Class 46.
Brauer Liquor Co., Jersey City, N. J. Whiskey. 347,008; June 15; Serial No. 387,431; published Apr. 6, 1937. Class 49.
Brewers Scientific Laboratories, Inc., Rahway, N. J. Chemical substance of vegetable origin used in the clarification of beer and ales. 347,049; June 15; Serial No. 388,046; published Apr. 6, 1937. Class 48.
Brotherhood of Painters, Decorators and Paperhangers of America, La Fayette, Ind. Periodicals. 347,067; June 15; Serial No. 388,225; published Mar. 30, 1937. Class 38.
Buckingham Corporation, The, New York, N. Y. Whisky. 346,984; June 15; Serial No. 386,359; published Apr. 6, 1937. Class 49.
Buckingham Corporation, The, New York, N. Y. Imported gin. 346,996; June 15; Serial No. 386,933; published Apr. 6, 1937. Class 49.
Buffalo Times, Inc., The, Buffalo, N. Y. Newspaper column. 347,072; June 15; Serial No. 388,252; published Mar. 30, 1937. Class 38.
Bullock's, Inc., Los Angeles, Calif. Rugs and carpets. 347,201–2; June 15. Class 42.
California Redwood Association, San Francisco, Calif. Lumber. 347,080; June 15; Serial No. 388,339; published Mar. 30, 1937. Class 12.
Capitol Wine & Spirit Corporation, New York, N. Y. Whiskey. 347,165; June 15; Serial No. 389,454; published Apr. 6, 1937. Class 49.
Catania, Mary, doing business as Catania Shoe Shop, New York, N. Y. Leather shoes. 347,073; June 15; Serial No. 388,258; published Mar. 30, 1937. Class 39.
Cederoth, Bruce E., Chicago, Ill. Shoe laces. 347,058; June 15; Serial No. 388,182; published Apr. 6, 1937. Class 40.
Celanese Corporation of America, New York, N. Y. Piece goods. 347,125; June 15; Serial No. 388,829; published Apr. 6, 1937. Class 42.
Celluloid Corporation, Newark, N. J. Material in the form of sheets, films or foils for use in the manufacture of ornamental and decorative articles or surfaces. 346,912; June 15; Serial No. 368,398; published Apr. 6, 1937. Class 1.
Certi-Pay Systems, The, St. Louis, Mo. Bank checks, bank depositors' identification certificates, and bank service forms. 347,053; June 15; Serial No. 388,119; Apr. 6. Class 37.
Chadima, William, Cedar Rapids, Iowa. Coal and coke. 347,190; June 15. Class 1.
Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Sheet metal. 347,156; June 15; Serial No. 389,167; published Apr. 6, 1937. Class 14.
Cheesman, Raymond J., Washington, D. C. Paper. 346,976; June 15; Serial No. 385,827; published Mar. 16, 1937. Class 37.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 347,130–1; June 15; Serial Nos. 388,894–5; published Apr. 6, 1937. Class 38.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Newspaper column. 347,132; June 15; Serial No. 388,897; published Apr. 6, 1937. Class 38.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 347,133–4; June 15; Serial Nos. 388,898–9; published Apr. 6, 1937. Class 38.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 347,135; June 15; Serial No. 388,902; published Apr. 6, 1937. Class 38.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 347,136–42; June 15; Serial Nos. 388,904–10; published Apr. 6, 1937. Class 38.
Chicky Candies, Inc., Grand Rapids, Mich. Candy. 347,082; June 15; Serial No. 388,345; published Mar. 30, 1937. Class 46.
Chilton Pen Company, The, Long Island City, N. Y. Fountain pens. 347,170; June 15. Class 37.
Cities Service Oil Company. (See Crew Levick Company, assignor.)
Collis, George B., doing business as Armor Bronze Company, Taunton, Mass. Book ends. 346,961; June 15; Serial No. 384,371; published Apr. 6, 1937. Class 32.

Commonwealth Shoe and Leather Company, Whitman, Mass. Shoes. 347,015; June 15; Serial No. 387,580; published Mar. 23, 1937. Class 39.
Conewango Refining Company, The, Warren, Pa. Mineral wax. 347,128; June 15; Serial No. 388,863; published Apr. 6, 1937. Class 15.
Congoleum-Nairn Inc., Kearny, N. J. Printed periodical. 347,078; June 15; Serial No. 388,311; published Mar. 30, 1937. Class 38.
Consolidated Beverages Limited, Toronto, Ontario, Canada. Beverages. 346,914; June 15; Serial No. 370,869; published Apr. 28, 1936. Class 45.
Consolidated Publishing Company, Seattle, Wash. Section within a monthly publication. 346,963; June 15; Serial No. 384,735; published Mar. 30, 1937. Class 38.
Continental Mills, Inc., Seattle, Wash. Prepared cake-mix. 347,077; June 15; Serial No. 388,294; published Mar. 30, 1937. Class 46.
Cook Chocolate Company, The. (See Siren Mills Corporation.)
Cortland Line Company, Inc., Cortland, N. Y. Fish lines. 347,143; June 15; Serial No. 388,917; published Apr. 6, 1937. Class 22.
Crescent Beverage Co. Inc., Newark, N. J. Whiskey. 347,017; June 15; Serial No. 387,661; published Apr. 6, 1937. Class 49.
Crew Levick Company, Philadelphia, Pa., assignor, by mesne assignments, to Cities Service Oil Company, Chicago, Ill. Oils and greases. 116,404; renewed May 1, 1937.
Crew Levick Company, Philadelphia, Pa., assignor to Cities Service Oil Company, Chicago, Ill. Oils and greases. 116,406; renewed May 1, 1937.
Crowell Publishing Company, The, New York, N. Y. Magazine feature. 347,014; June 15; Serial No. 387,544; published Apr. 6, 1937. Class 38.
Cuba Industrial y Comercial, S. A., Habana, Cuba. Chocolate. 346,911; June 15; Serial No. 363,386; published Apr. 6, 1937. Class 46.
Debway Hats, Inc., New York, N. Y. Ladies' hats. 346,986; June 15; Serial No. 386,413; published Mar. 30, 1937. Class 39.
Detroit Sulphite Pulp & Paper Co., Detroit, Mich. Wrapping paper. 346,969; June 15; Serial No. 385,567; published Apr. 6, 1937. Class 37.
Dia-Tonic Co., Union City, N. J. Bread. 346,949; June 15; Serial No. 382,866; published Apr. 6, 1937. Class 46.
Distillata Company, The, Cleveland, Ohio. Ginger Ale. 347,089; June 15; Serial No. 388,436; published Apr. 6, 1937. Class 45.
Distillers Exchange, Inc., New York, N. Y. Rum. 347,018; June 15; Serial No. 387,663; published Apr. 6, 1937. Class 49.
Duplex Lighting System Incorporated, The, Chicago, Ill., assignor to The Miller Company, Meriden, Conn. Metal reflectors for lighting-fixtures. 117,842; renewed Aug. 7, 1937.
Eisendrath Glove Co., New York, N. Y. Gloves. 346,952; June 15; Serial No. 383,519; published Dec. 1, 1936. Class 39.
Eldridge, Elizabeth, San Antonio, Tex. Hats, dresses, stockings, etc. 347,025; June 15; Serial No. 387,781; published Mar. 30, 1937. Class 39.
Electric Household Utilities Corporation, Chicago, Ill. Ironing machines. 347,157; June 15; Serial No. 389,174; published Apr. 6, 1937. Class 24.
Ellis, Arthur L., & Co., Inc., Boston, Mass. Shower curtain. 347,009; June 15; Serial No. 387,462; published Apr. 6, 1937. Class 13.
Ely & Walker Dry Goods Company, St. Louis, Mo. Shirts and collars. 347,079; June 15; Serial No. 388,315; published Apr. 6, 1937. Class 39.
English Needle & Fishing Tackle Co. Ltd., The, Studley, England. Knitting pins and crochet hooks for hand use. 346,925; June 15; Serial No. 379,087; published Mar. 30, 1937. Class 40.
Enterprise Manufacturing Company, The, Akron, Ohio. Hook holders and rod caps for cane poles and casting rods. 347,121; June 15; Serial No. 388,772; published Apr. 6, 1937. Class 22.
Equipment News, Inc., Chicago, Ill. Publication. 346,960; June 15; Serial No. 384,202; published Dec. 15, 1936. Class 38.
Esquire Features, Inc., Chicago, Ill. Newspaper feature. 347,050; June 15; Serial No. 388,055; published Mar. 30, 1937. Class 38.
Etablissements Tripette & Renaud Fils, Société Anonyme, Paris, France. Bolting cloth. 346,997; June 15; Serial No. 386,937; published Apr. 6, 1937. Class 42.
Evenson, William E., Baraboo, Wis. Liquid toilet cream. 116,832; renewed May 29, 1937.
Faber, A. W., Inc., Newark, N. Y. Pencils, erasers, rubber bands, etc. 347,027; June 15; Serial No. 387,820; published Apr. 6, 1937. Class 37.
Ficks Reed Co., Cincinnati, Ohio. Hammocks. 347,020; June 15; Serial No. 387,701; published Apr. 6, 1937. Class 22.
Fine Arts Association, Chicago, Ill. Frames for framing portraits, paintings, and pictures, etc. 347,035; June 15; Serial No. 387,896; published Apr. 6, 1937. Class 32.
Floriat Dairy Products Corp., New York, N. Y. Cream cheese. 347,039; June 15; Serial No. 387,938; published Apr. 6, 1937. Class 46.
Fischers Kiddie Coat Corp., New York, N. Y. Leggins, and combined leggins and coat sets. 346,965; June 15; Serial No. 384,923; published Mar. 30, 1937. Class 39.
Folkard & Lawrence, Inc., New York, N. Y. Piece goods and steamer and pram rugs of textile fabrics. 347,149; June 15; Serial No. 388,977; published Apr. 6, 1937. Class 42.
Foregger Company, Inc., The, New York, N. Y. Apparatus, appliances, outfits and parts thereof for administering anesthetics, etc. 347,199; June 15. Class 44.
Fortune, Russell, Indianapolis, Ind. Finished and unfinished lumber and wood veneers. 347,182; June 15. Class 12.
Fowler, John, & Co. (Leeds) Ltd., Leeds, England. Internal combustion engines and parts thereof. 347,054; June 15; Serial No. 388,133; published Apr. 6, 1937. Class 23.
Fownes Bros. & Co., Inc., New York, N. Y. Gloves. 347,104; June 15; Serial No. 388,606; published Apr. 6, 1937. Class 39.
Friedman, M., & Son, New York, N. Y. Garment bags, laundry bags, and shoe bags. 347,083; June 15; Serial No. 388,352; published Apr. 6, 1937. Class 2.
Froeschke, R., & Co. (See Hesse, Franz.)
Fruit Products Corporation, Belleville, N. J. Cherries in glass containers. 346,915; June 15; Serial No. 372,471; published Apr. 6, 1937. Class 46.
Gallon Metallic Vault Company, The, doing business as Hercules Steel Products Company, Gallon, Ohio. Split drive power take off. 346,920; June 15; Serial No. 374,659; published Apr. 6, 1937. Class 23.
Gangjee Sajun & Co., Calcutta, India. Rice. 346,966; June 15; Serial No. 385,009; published Apr. 6, 1937. Class 46.
Gards Manufacturing Co., Inc., New York, N. Y. Head and sweat band protectors for hats and caps and headwear. 346,917; June 15; Serial No. 374,239; published Mar. 30, 1937. Class 39.
General Beverage Corp., Springfield, Mass. Non-alcoholic beverages. 347,144; June 15; Serial No. 388,932; published Apr. 6, 1937. Class 45.
General Emergency Lighting Corporation, Philadelphia, Pa. Machine for producing a substitute supply of electric current. 346,967; June 15; Serial No. 385,396; published Apr. 6, 1937. Class 21.
General Fire Truck Corporation, The, St. Louis, Mo. Fire hose couplings. 347,175; June 15. Class 13.
Gentile Bros. Company, Cincinnati, Ohio, and Orlando, Fla. Canned citrus juices. 347,028; June 15; Serial No. 387,825; published Mar. 30, 1937. Class 46.
Giafrancesco, Crescienzo, doing business as Sawdusope, Pittsburgh, Pa. Hand soap. 347,179; June 15. Class 4.
Gillette Safety Razor Company, Boston, Mass. Safety razor blades. 347,029; June 15; Serial No. 387,826; published Apr. 6, 1937. Class 23.
Goldsmith Bros., New York, N. Y. Filing cards, filing guides, folders, etc. 347,197; June 15. Class 37.
Goodrich, B. F., Company, The, New York, N. Y. Liquid for use in wetting rubber sealing elements. 346,951; June 15; Serial No. 383,355; published Mar. 30, 1937. Class 12.
Goshen Manufacturing Company, The, Goshen, Ind. Play and amusement apparatus. 347,129; June 15; Serial No. 388,866; published Apr. 6, 1937. Class 22.
Grassi, Nicola, New York, N. Y. Fuel oil. 347,084; June 15; Serial No. 388,353; published Mar. 30, 1937. Class 15.
Great Northern Wine Company Inc., New York, N. Y. Wines. 347,019; June 15; Serial No. 387,668; published Apr. 6, 1937. Class 47.
Gruen Watch Company, The, Cincinnati, Ohio. Watch cases, watches, and watch movements. 347,164; June 15; Serial No. 389,357; published Apr. 6, 1937. Class 27.
Hall, Don, San Francisco, Calif. Letterheads, noteheads, envelopes, etc. 347,195; June 15. Class 37.
Harris Polk Hat Company, St. Louis, Mo. Men's hats. 346,924; June 15; Serial No. 378,495; published Oct. 6, 1936. Class 39.
Heller, B., & Co., assignor to B. Heller & Company, Chicago, Ill. Ant-destroyer. 118,410; renewed Sept. 4, 1937.
Heller, B., & Co., assignor to B. Heller & Company, Chicago, Ill. Ant-destroyer. 118,527; renewed Sept. 18, 1937.
Henderson, Albert, Pittsburgh, Pa. Metal structural members. 347,043; June 15; Serial No. 388,002; published Apr. 6, 1937. Class 12.
Henriksen, Arthur N., doing business as The Russian Oil Company, Chicago, Ill. Lubricating oils and greases. 347,152; June 15; Serial No. 389,027; published Apr. 6, 1937. Class 15.
Hercules Steel Products Company. (See Gallon Metallic Vault Company, The.)
Herte, E. J., Milwaukee, Wis. Dolls. 347,106; June 15; Serial No. 388,641; published Apr. 6, 1937. Class 22.
Hesse, Franz, doing business as R. Froeschke & Co., Berlin-Neukolln, Germany. Rolls and pellets of cotton wool for dental use, hardening and soldering materials for dental purposes, moulding material for dental purposes, etc. 346,936; June 15; Serial No. 381,805; published Apr. 6, 1937. Class 44.

Hotstream Heater Company, The, Cleveland, Ohio. Gas water heaters. 347,196; June 15. Class 34.
Hotstream Heater Company, The, Cleveland, Ohio. Heating, lighting, and ventilating apparatus. 347,203; June 15. Class 34.
Hudson, Harold L., Westfield, Mass. Cigars. 346,973; June 15; Serial No. 385,732; published Apr. 6, 1937. Class 17.
Indianapolis Glove Company, Indianapolis, Ind. Work gloves and work mittens. 347,176; June 15. Class 39.
Industrial Rayon Corporation, Cleveland, Ohio. Yarn. 347,173; June 15. Class 43.
International Paper Company, New York, N. Y. Lay-out for floricultural purposes. 347,167-9; June 15. Class 50.
International Shoe Co., St. Louis, Mo. Boots and shoes. 346,999; June 15; Serial No. 387,039; published Mar. 23, 1937. Class 39.
Instant Products Manufacturing Company, The. (See Moshier, E. B.)
Jaburg Brothers, Incorporated, New York, N. Y. Alimentary pastes, butter, candies, etc. 346,910; June 15; Serial No. 362,177; published Mar. 30, 1937. Class 46.
James Manufacturing Co., Fort Atkinson, Wis. Adjustable window sash and parts thereof. 347,114; June 15; Serial No. 388,744; published Mar. 30, 1937. Class 12.
James Manufacturing Co., Fort Atkinson, Wis. Metal doors and the like. 347,115; June 15; Serial No. 388,745; published Mar. 30, 1937. Class 12.
Jeffrey, Harry A., New York, N. Y. Watches, watch cases, watch parts, etc. 347,153; June 15; Serial No. 389,067; published Apr. 6, 1937. Class 27.
Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoes. 346,954-5; June 15; Serial Nos. 383,625-6; published Dec. 1, 1936. Class 39.
Josef Knitted Fabrics, Inc., New York, N. Y. Piece goods. 346,953; June 15; Serial No. 383,531; published Mar. 30, 1937. Class 42.
Katz Drug Company, Kansas City, Mo. Grass seed. 347,145; June 15; Serial No. 388,943; published Apr. 6, 1937. Class 1.
Kendall Company, The, Walpole, Mass. Gauze. 346,907; June 15; Serial No. 358,934; published Apr. 6, 1937. Class 42.
Kibbe, E. S., Company, The, Hartford, Conn. Roasted coffee. 117,448; renewed July 10, 1937.
Kibbe, E. S., Company, The, Hartford, Conn. Canned vegetables and canned fruits. 118,541; renewed Sept. 18, 1937.
Kuhne, Ernest J., Santa Ana, Calif. Inner soles for shoes and footwear. 347,003; June 15; Serial No. 387,248; published Mar. 30, 1937. Class 39.
Lafayette Brewery Inc., La Fayette, Ind. Beer. 347,150; June 15; Serial No. 388,988; published Apr. 6, 1937. Class 48.
Leterstone Sales Company, Chicago, Ill. Generator output controls. 346,913; June 15; Serial No. 369,539; published Apr. 6, 1937. Class 21.
Levy, Sam, Douglas, Ariz. Magazines. 347,095; June 15; Serial No. 388,536; published Apr. 6, 1937. Class 38.
Lewis-Martin Company, New York, N. Y. Flavoring used in the preparation of soft drinks. 347,085; June 15; Serial No. 388,356; published Apr. 6, 1937. Class 45.
Lippitt Woolen Company, Woonsocket, R. I., and New York, N. Y. Textile fabrics. 347,122; June 15; Serial No. 388,784; published Apr. 6, 1937. Class 42.
Loose-Wiles Biscuit Company. (See Yours Truly Biscuit Co., Inc., assignor.)
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 347,099; June 15; Serial No. 388,580; published Mar. 30, 1937. Class 46.
Macullar Parker Company, Boston, Mass., assignor to Rogers Peet Company, New York, N. Y. Clothing. 118,895; renewed Oct. 9, 1937.
Marine Products Co., San Diego, Calif. Canned tuna. 347,021; June 15; Serial No. 387,708; published Apr. 6, 1937. Class 46.
Mars Signal Light Company, Chicago, Ill. Electric headlight and signal lamps. 347,111; June 15; Serial No. 388,720; published Apr. 6, 1937. Class 21.
Massasoit Beverage Co., Inc., Springfield, Mass. Beverages. 347,186; June 15. Class 45.
Maza, B. P., & Co., Chicago, Ill., to B. P. Maza & Co., Tefft, Ind. Remedy and ointment. 118,073; renewed Aug. 14, 1937.
McCaw, Henry L. (See Robinson-McCaw Mills.)
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Playing cards. 347,154; June 15; Serial No. 389,087; published Apr. 6, 1937. Class 22.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Playing cards. 347,155; June 15; Serial No. 389,089; published Apr. 6, 1937. Class 22.
Merrimac Hat Corporation, New York, N. Y. Women's and children's hats and hat bodies. 346,919; June 15; Serial No. 374,422; published Mar. 23, 1937. Class 39.
Metal Office Furniture Company, Grand Rapids, Mich. Metal fixtures. 347,200; June 15. Class 32.
Meyer, Joseph H., Brothers, Brooklyn, N. Y. Hat boxes of cellulose acetate and resinol derivatives and paper. 347,059-60; June 15; Serial Nos. 388,199-200; published Apr. 6, 1937. Class 2.
Meyers, Louis, & Son, Inc., New York, N. Y. Leather gloves. 347,069; June 15; Serial No. 388,239; published Mar. 30, 1937. Class 39.
Middlesex Wholesale Grocery Co., New Brunswick, N. J. Canned vegetables. 347,123; June 15; Serial No. 388,790; published Apr. 6, 1937. Class 46.
Mid-West Wholesalers Inc., New York, N. Y. Suits, overcoats, topcoats, etc. 347,086; June 15; Serial No. 388,401; published Mar. 30, 1937. Class 39.
Military Service Publishing Company, The, Harrisburg, Pa. Magazine. 346,979; June 15; Serial No. 385,958; published Mar. 30, 1937. Class 38.
Miller Company, The. (See Duplex Lighting System Incorporated, The, assignor.)
Miller Shoe Company, The, Cincinnati, Ohio. Leather. 347,185; June 15. Class 1.
Milshap Hats, Inc., New York, N. Y. Ladies' hats. 346,964; June 15; Serial No. 384,857; published Mar. 30, 1937. Class 39.
Morris, G. L., Corporation, The, Cleveland, Ohio. Readily removable collapsible and portable floor covering. 347,177; June 15. Class 50.
Morrison, George W., doing business as The Morrison Safety Ladder Foot Suction Grip Company, Lowell, Mass. Ladder feet. 347,191; June 15. Class 13.
Moshier, E. B., doing business as The Instant Products Manufacturing Company, Omaha, Nebr. Concentrated fruit flavors. 346,974; June 15; Serial No. 385,742; published Mar. 30, 1937. Class 46.
Mount Olive Pickle Co., Inc., Mount Olive, N. C. Pickles and pickle relishes. 347,096; June 15; Serial No. 388,541; published Apr. 6, 1937. Class 46.
Mutual Benefit Life Insurance Company, The, Newark, N. J. Charts and questionnaires. 347,093; June 15; Serial No. 388,507; published Apr. 6, 1937. Class 37.
National Bank of Commerce of San Antonio. (See Sanders, Fannie, and National Bank of Commerce of San Antonio.)
National Petroleum Publishing Company, The, Cleveland, Ohio. Periodical. 116,968; renewed June 5, 1937.
National Steel Barrel Company, The, Cleveland, Ohio. Metal pails, drums, and barrels. 346,977; June 15; Serial No. 385,897; published Apr. 6, 1937. Class 2.
National Steel Barrel Company, The, Cleveland, Ohio. Metal pails. 347,036; June 15; Serial No. 387,917; published Apr. 6, 1937. Class 2.
NEA Service, Inc., Cleveland, Ohio. Comic drawings. 347,094; June 15; Serial No. 388,508; published Apr. 6, 1937. Class 38.
NEA Service, Inc., Cleveland, Ohio. Informative topics. 347,100; June 15; Serial No. 388,590; published Apr. 6, 1937. Class 38.
Neptune Meter Company, Jersey City, N. J., and New York, N. Y., to Neptune Meter Company, New York, N. Y. Water and other fluid meters and parts thereof. 117,581; renewed July 17, 1937.
New Orleans Alcohol and Distilling Corporation, New Orleans, La. Ethyl alcohol. 346,962; June 15; Serial No. 384,430; published Apr. 6, 1937. Class 49.
North American Veterinarian, Inc., The, Evanston, Ill. Quarterly periodical. 347,040; June 15; Serial No. 387,949; published Apr. 6, 1937. Class 38.
Nu-Film Products Company, Inc., New York, N. Y. Separable sheet used in the preparation of stencils. 347,184; June 15. Class 37.
Odora Company, Inc., New York, N. Y. Paperboard or corrugated paperboard storage receptacles. 347,068; June 15; Serial No. 388,238; published Apr. 6, 1937. Class 2.
Ohio Crankshaft Company, The, Cleveland, Ohio. Crankshafts for engines. 346,939; June 15; Serial No. 382,136; published Apr. 6, 1937. Class 23.
Old Monk Olive Oil Co., Chicago, Ill. Salad dressing. 346,928; June 15; Serial No. 379,898; published Mar. 30, 1937. Class 46.
Orthopedic Shoes, Inc., Portsmouth, Ohio. Shoes. 346,991; June 15; Serial No. 386,739; published Mar. 30, 1937. Class 39.
Oxnard Citrus Association, Hueneme, Calif. Fresh citrus fruits. 347,211; June 15. Class 46;
Pacific Mills, Lawrence and Boston, Mass. Mixed cotton and woolen piece goods. 347,101; June 15; Serial No. 388,591; published Apr. 6, 1937. Class 42.
Paillard, E., & Cie, Société Anonyme, Yverdon, Switzerland. Typewriting machines and parts of the same. 346,923; June 15; Serial No. 377,229; published Apr. 6, 1937. Class 23.
Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Lubricating oils and greases. 347,108; June 15; Serial No. 388,683; published Mar. 30, 1937. Class 15.
Para-Flex Plate Corporation, New York, N. Y. Printing plates, engraving plates, rubber composition printing plates, etc. 346,998; June 15; Serial No. 387,006; published Apr. 6, 1937. Class 50.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Game. 347,158; June 15; Serial No. 389,263; published Apr. 6, 1937. Class 22.
Pleker-Linz Importers, Inc., New York, N. Y. Cognac brandy. 347,030-1; June 15; Serial Nos. 387,836-7; published Apr. 6, 1937. Class 49.
Pictorial Paper Package Corporation, Aurora, Ill. Trading stamps. 347,087; June 15; Serial No. 388,409; published Apr. 6, 1937. Class 38.

Popper-Morson Co., Inc., Jersey City, assignor to Joseph H. Reinfeld, Inc., Newark, N. J. Whiskey. 347,166; June 15; Serial No. 389,471; published Apr. 6, 1937. Class 49.

Port Huron Sulphite & Paper Co., Port Huron, Mich. Paper used as a basis for wax coating and wax paper. 346,908; June 15; Serial No. 359,052; published Apr. 23, 1935. Class 37.

Powell, R. E., San Marino, Calif. Non-alcoholic beverages. 347,146; June 15; Serial No. 388,958; published Apr. 6, 1937. Class 45.

Price Battery Corporation, Philadelphia, Pa. Storage batteries. 347,124; June 15; Serial No. 388,796; published Apr. 6, 1937. Class 21.

Puritan Soap Company, Rochester, N. Y. Oil for use in shock absorbers for automobiles. 347,037; June 15; Serial No. 387,922; published Mar. 23, 1937. Class 15.

Quigley Publishing Company, Inc., New York, N. Y. Book or magazine. 347,070; June 15; Serial No. 388,242; published Apr. 6, 1937. Class 38.

Ralston Purina Company, St. Louis, Mo. Prepared vegetable product. 346,903; June 15; Serial No. 386,818; published Mar. 30, 1937. Class 46.

RCA Manufacturing Company, Inc., Camden, N. J. Radio receiving sets and accessories and parts thereof. 346,992; June 15; Serial No. 386,777; published Apr. 6, 1937. Class 21.

R. D. S. Photo Print Service, Inc., New York, N. Y. Photo prints. 346,958; June 15; Serial No. 384,106; published Apr. 6, 1937. Class 38.

Red Star Yeast and Products Co., Milwaukee, Wis. Compressed yeast. 347,107; June 15; Serial No. 388,660; published Apr. 6, 1937. Class 46.

Reimann & Bresse, Inc., New York, N. Y. Sofas, settees, club chairs, etc. 346,922; June 15; Serial No. 376,918; published July 7, 1936. Class 32.

Reinfeld, Joseph H., Inc. (See Popper-Morson Co., Inc., assignor.)

Renken & Yates Smith Corporation, The, New York, N. Y. Biscuits. 347,112; June 15; Serial No. 388,729; published Apr. 6, 1937. Class 46.

Richardson, Charles L., & Co., Inc., Boston, Mass. Whiskey. 347,051; June 15; Serial No. 388,106; published Apr. 6, 1937. Class 49.

Robinson-McCaw Mills, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw. Wheat flour. 346,934; June 15; Serial No. 381,096; published Apr. 6, 1937. Class 46.

Robinson-McCaw Mills, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw. Wheat flour. 346,935; June 15; Serial No. 381,098; published Apr. 6, 1937. Class 46.

Robinson-McCaw Mills, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw. Wheat flour. 346,940–43; June 15; Serial Nos. 382,277–80; published Apr. 6, 1937. Class 46.

Rogers Peet Company. (See Macullar Parker Company, assignor.)

Roller Fanciers Corporation, Kansas City, Mo., Chicago, Ill., San Francisco, Calif., London, England, Vancouver, B. C., Canada, and Leipzig, Germany. Monthly magazine. 346,978; June 15; Serial No. 385,904; published Mar. 30, 1937. Class 38.

Rosenberg, Murray M., Inc., New York, N. Y. Shoes, slippers, heels, etc. 346,944; June 15; Serial No. 382,360; published Mar. 30, 1937. Class 39.

Ronssillon, Pierre, Villeurbanne, France. Lace and tulle. 346,956; June 15; Serial No. 383,704; published Apr. 6, 1937. Class 42.

Russian Oil Company, The. (See Henriksen, Arthur N.)

Sanders, Fannie, and National Bank of Commerce of San Antonio (joint executors of the estate of R. L. Sanders, deceased), doing business as Texas Hotel News, San Antonio, Tex. Magazine. 347,011; June 15; Serial No. 387,516; published Mar. 30, 1937. Class 38.

Sanders, Fannie, and National Bank of Commerce of San Antonio (joint executors of the estate of R. L. Sanders, deceased), doing business as Texas Laundry News, San Antonio, Tex. Magazines. 347,038; June 15; Serial No. 387,926; published Mar. 30, 1937. Class 38.

Save-Sum Stores, Incorporated, Houston, Tex. Hats, hosiery, suits, etc. 346,917; June 15; Serial No. 382,770; published Mar. 30, 1937. Class 39.

Sawdusope. (See Giafrancesco, Crescienzo.)

Schechter Brothers Company, Philadelphia, Pa. Roof coating, roof cement, and roofing papers. 346,945; June 15; Serial No. 382,395; published Apr. 6, 1937. Class 12.

Schenley Products Company, New York, N. Y. Whiskey, gin, rum, etc. 347,147–8; June 15; Serial Nos. 388,960–1; published Apr. 6, 1937. Class 49.

Schloss Bros. & Co., Inc., Baltimore, Md. Suits, coats, trousers, etc. 346,948; June 15; Serial No. 382,773; published Apr. 6, 1937. Class 39.

Scholastic Corporation, Pittsburgh, Pa. Feature page or column. 346,926; June 15; Serial No. 379,315; published Mar. 30, 1937. Class 38.

Schroeder Bros., Inc., New York, N. Y. Sherry. 347,210; June 15. Class 47.

Schwab, Jules, doing business as Jules Schwab & Co., New York, N. Y. Brooches, bracelets, necklaces, etc. 347,032; June 15; Serial No. 387,840; published Mar. 30, 1937. Class 28.

Scovill Manufacturing Company, Waterbury, Conn. Snap fasteners. 347,023; June 15; Serial No. 387,756; published Apr. 6, 1937. Class 40.

Seamless Rubber Company, The, to The Seamless Rubber Company, Inc., New Haven, Conn., successor. Water-bottles, fountain-syringes, face-bags, etc. 116,687; renewed May 15, 1937.

Sears, Roebuck and Co., Chicago, Ill. Leather shoes. 116,559; renewed May 8, 1937.

Sears, Roebuck and Co., Chicago, Ill. Wringers and parts thereof. 117,209; renewed June 19, 1937.

Sears, Roebuck and Co., Chicago, Ill. Knockdown houses. 117,210; renewed June 19, 1937.

Siegel Bros. Kiki Maid Koats Inc., New York, N. Y. Piece goods. 347,183; June 15. Class 42.

Silver Springs Water Company, Detroit, Mich. Beverages and soft drinks, including syrups and extracts for making the same. 347,097; June 15; Serial No. 388,548; published Apr. 6, 1937. Class 45.

Siren Mills Corporation, also doing business as The Cook Chocolate Company, Chicago, Ill. Cocoa and baking chocolate. 347,187–9; June 15. Class 46.

Skin Charm Massager, Inc., Memphis, Tenn. Skin massager. 346,950; June 15; Serial No. 383,106; published Apr. 6, 1937. Class 44.

Slote & Klein, Inc., New York, N. Y. Ladies' belts. 347,071; June 15; Serial No. 388,246; published Apr. 6, 1937. Class 39.

Smit, J. K., & Sons, Inc., New York, N. Y. Diamond tools for wheel trueing. 347,174; June 15. Class 23.

Snow Crest Beverages, Inc., Salem, Mass. Syrups or extracts for making beverages. 347,090; June 15; Serial No. 388,465; published Apr. 6, 1937. Class 45.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum engine fuel. 347,044; June 15; Serial No. 388,028; published Mar. 30, 1937. Class 15.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax derived from petroleum. 347,091; June 15; Serial No. 388,467; published Mar. 30, 1937. Class 15.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax derived from petroleum. 347,092; June 15; Serial No. 388,468; published Apr. 6, 1937. Class 15.

Southern Coal Company, Inc., Memphis, Tenn. Coal. 346,972; June 15; Serial No. 385,680; published Apr. 6, 1937. Class 1.

Southern Rice Sales Co., Inc., New York, N. Y. Rice. 347,074; June 15; Serial No. 388,285; published Apr. 6, 1937. Class 46.

Southern Rice Sales Co., Inc., New York, N. Y. Rice. 347,075; June 15; Serial No. 388,286; published Mar. 30, 1937. Class 46.

Southern States Cooperative, Incorporated, Richmond, Va. Fertilizers. 347,012; June 15; Serial No. 387,520; published Apr. 6, 1937. Class 10.

Southern States Cooperative, Incorporated, Richmond, Va. Flower, field, and garden seeds. 347,013; June 15; Serial No. 387,522; published Apr. 6, 1937. Class 1.

Southwestern Milling Company, Inc., The, New York, N. Y., and Kansas City, Mo., assignor to Standard Milling Company, New York, N. Y. Wheat-flour. 118,612; renewed Sept. 18, 1937.

Spencer Turbine Company, The, Hartford, Conn. Rock drilling apparatus. 347,055; June 15; Serial No. 388,147; published Apr. 6, 1937. Class 23.

Stamford Rubber Supply Company, The, Stamford, Conn. Vulcanized vegetable oils, vulcanized fish oils, and vulcanized animal oils. 347,026; June 15; Serial No. 387,803; published Apr. 6, 1937. Class 1.

Standard Mailing Machines Company, Everett, Mass. Duplicating machines and devices and parts thereof. 347,193; June 15. Class 37.

Standard Milling Company. (See Southwestern Milling Company, Inc., The, assignor.)

Standard Oil Company, The, Cleveland, Ohio. Lubricating oils and greases. 347,088; June 15; Serial No. 388,420; published Apr. 6, 1937. Class 15.

Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 346,946; June 15; Serial No. 382,638; published Nov. 24, 1936. Class 39.

Supplee-Biddle Hardware Co., Philadelphia, Pa. Bit braces, soldering irons, pliers, etc. 347,209; June 15. Class 23.

Syracuse Smelting Works, Brooklyn, N. Y. Babbitt metal. 119,134; renewed Oct. 23, 1937.

Tasty Beverages, Inc., Pittsburgh, Pa. Beverage manufactured from pure fruit juices. 347,192; June 15. Class 45.

Technical Porcelain and Tile Company, El Cerrito, Calif. Vitreous porcelain bathroom and kitchen wall fixtures. 346,921; June 15; Serial No. 375,736; published Apr. 6, 1937. Class 13.

Texas Hotel News. (See Sanders, Fannie, and National Bank of Commerce of San Antonio.)

Texas Laundry News. (See Sanders, Fannie, and National Bank of Commerce of San Antonio.)

Thacker, James M., New York, N. Y. Mailing lists in booklet form. 347,076; June 15; Serial No. 388,288; published Apr. 6, 1937. Class 38.

Thomas Publishing Company, New York, N. Y. Periodical. 347,126; June 15; Serial No. 388,859; published Apr. 6, 1937. Class 38.

Three G Distillery Corp., Burbank, Calif. Whiskey. 347,171; June 15. Class 49.

Tide Water Associated Oil Company, Wilmington, Del., and New York, N. Y. Gasoline, lubricating oils, and greases. 347,061; June 15; Serial No. 388,208; published Mar. 23, 1937. Class 15.

Tiedemann & McMorran, San Francisco, Calif. Canned fruits and vegetables. 347,062; June 15; Serial No. 388,211; published Mar. 30, 1937. Class 46.

Tindall, Kolbe & McDowell Co., Milwaukee, Wis. Coffee. 347,002; June 15; Serial No. 387,149; published Mar. 30, 1937. Class 46.

Trends Publishing Company, Chicago, Ill. Monthly publication. 346,970; June 15; Serial No. 385,612; published Mar. 30, 1937. Class 38.

Triangle Electric Co., Chicago, Ill. Radio receiving sets. 346,932; June 15; Serial No. 380,809; published Apr. 6, 1937. Class 21.

Tryon, Ewd. K., Company, Philadelphia, Pa. Clothing. 347,010; June 15; Serial No. 387,479; published Mar. 30, 1937. Class 39.

U. S. Hame Company, Buffalo, N. Y. Hames. 347,113; June 15; Serial No. 388,734; published Apr. 6, 1937. Class 3.

United Farmers Cooperative Creamery Association, Inc., Morristown (Morrisville), Vt. Ice cream, sherbets, and mousses. 346,927; June 15; Serial No. 379,499; published Mar. 30, 1937. Class 46.

United Furnace Engineering Company, Inc., New York, N. Y. Melting, metallurgical, and heating furnaces, and liquid fuel burning devices. 346,906; June 15; Serial No. 336,410; published Sept. 12, 1933. Class 34.

United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. 347,063–5; June 15; Serial Nos. 388,272–4; published Mar. 30, 1937. Class 38.

Valomist Hosiery Company, Inc., New York, N. Y. Scarfs, sweaters, bathing suits, etc. 347,045; June 15; Serial No. 388,035; published Mar. 30, 1937. Class 39.

Valvoline Oil Company, Cincinnati, Ohio, and New York, N. Y. Lubricating oils and greases. 347,000; June 25; Serial No. 387,095; published Mar. 23, 1937. Class 15.

Van Norman Machine Tool Company, Springfield, Mass. Internal and external cylindrical grinding machines, radius grinding machines, piston turning and grinding machines, etc. 347,022; June 15; Serial No. 387,717; published Apr. 6, 1937. Class 23.

Vapo-Efrin Company, Inc., Portland, Oreg. Solution used in the treatment of asthma and hay fever. 346,981; June 15; Serial No. 386,133; published Feb. 9, 1937. Class 6.

Vestal Chemical Company, St. Louis, Mo. Floor sealing, finishing, and preserving preparation. 347,056; June 15; Serial No. 388,160; published Apr. 6, 1937. Class 16.

Victor Safe & Equipment Company, Inc., The, North Tonawanda, N. Y. File cabinets, drawers, and parts thereof. 347,005; June 15; Serial No. 387,414; published Apr. 6, 1937. Class 32.

Victor Safe & Equipment Company, Inc., The, North Tonawanda, N. Y. File cabinets, drawers, and parts thereof. 347,109–10; June 15; Serial Nos. 388,694–5; published Apr. 6, 1937. Class 32.

Visual Sciences. (See Zwart, Gerrit C.)

Vulcan Corporation, Portsmouth, Ohio. Shoe heels. 346,930; June 15; Serial No. 380,468; published Mar. 23, 1937. Class 39.

Wagemaker Co., Grand Rapids, Mich. Typewriter desks. 347,194; June 15. Class 32.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 347,159–61; June 15; Serial Nos. 389,280–2; published Apr. 6, 1937. Class 49.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 347,162–3; June 15; Serial Nos. 389,284–5; published Apr. 6, 1937. Class 49.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 347,178; June 15. Class 49.

Walker, Tom, Inc., Pittsburgh and Glenfield, Pa. Whiskey. 347,046; June 15; Serial No. 388,038; published Apr. 6, 1937. Class 49.

Wander Company, The, Chicago, Ill. Dehydrated vegetable carbohydrate food product. 347,006; June 15; Serial No. 387,415; published Mar. 30, 1937. Class 46.

Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Schonau, Chemnitz, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany. Receptacles. 116,721; renewed May 15, 1937.

Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Schonau, near Chemnitz, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany. Furniture. 116,722–3; renewed May 15, 1937.

Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Schonau, near Chemnitz, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany. Cutlery, machinery, and tools, etc. 116,809; renewed May 22, 1937.

Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Schonau, near Chemnitz, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany. Paper and stationery. 117,009; renewed June 5, 1937.

Washington Dental Company, Washington, D. C. Dental restorations. 346,980; June 15; Serial No. 386,087; published Apr. 6, 1937. Class 44.

Weil Clothing Company, St. Louis, Mo. Suits, coats, pants, etc. 347,057; June 15; Serial No. 388,167; published Apr. 6, 1937. Class 39.

Weiner, Martin, doing business as Martin Weiner Co., New York, N. Y. Textile fabrics. 346,959; June 15; Serial No. 384,174; published Apr. 6, 1937. Class 42.

Weinig, J., Co., New York, N. Y. Fur coats, fur caps, and hats, fur neck scarfs, etc. 347,172; June 15. Class 39.

Werfelman, George H., doing business as The Geo. H. Werfelman Co., Los Angeles, Calif. Mechanical sewer sweep. 347,001; June 15; Serial No. 387,096; published Apr. 6, 1937. Class 23.

West Coast Gouley Burcham Co. Ltd., Los Angeles, Calif. Paper bags, paper plates, and paper cups. 347,016; June 15; Serial No. 387,605; published Apr. 6, 1937. Class 2.

Western States Wholesale Music Corp., Seattle, Wash. Brass, reed and stringed musical instruments. 347,098; June 15; Serial No. 388,556; published Apr. 6, 1937. Class 36.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerators. 346,994; June 15; Serial No. 386,879; published Apr. 6, 1937. Class 31.

West Virginia Tobacco Corp., Beckley, W. Va. Cigarettes. 347,127; June 15; Serial No. 388,861; published Apr. 6, 1937. Class 17.

White, Lester H., Fairfield, Conn. Game apparatus. 347,102; June 15; Serial No. 388,602; published Apr. 6, 1937. Class 22.

Whitman, Ray B., New York, N. Y. Golf ball supports or tees. 346,938; June 15; Serial No. 381,889; published Apr. 6, 1937. Class 22.

Whittinghill, R. C., New York, N. Y. Empy kit for toilet articles. 346,975; June 15; Serial No. 385,765; published Apr. 6, 1937. Class 2.

Willapa Lumber Co. to Willapa Harbor Lumber Mills, Raymond, Wash., successor. Lumber. 118,363; renewed Aug. 28, 1937.

Williams, Daniel G., Los Angeles, Calif. Bread. 347,204–8; June 15. Class 46.

Wisconsin Machinery & Manufacturing Co., West Allis, Wis. Engine cylinder sleeves. 346,909; June 15; Serial No. 359,882; published Apr. 6, 1937. Class 23.

Woodford County Distillery Co., Midway, Ky. Whiskey. 347,151; June 15; Serial No. 389,003; published Apr. 6, 1937. Class 49.

World Bottling Company, Ltd., New Orleans, La. Beverages, and syrups, extracts, and flavors used in making the same. 347,103; June 15; Serial No. 388,604; published Apr. 6, 1937. Class 45.

Wulfschleger & Co., New York, N. Y. Silk goods. 347,033; June 15; Serial No. 387,848; published Apr. 6, 1937. Class 42.

Yore, George J., doing business as George J. Yore and Company, Chicago, Ill. Heating pads. 346,983; June 15; Serial No. 386,327; published Apr. 6, 1937. Class 44.

Yours Truly Biscuit Co., Inc., Seattle, Wash., assignor to Loose-Wiles Biscuit Company, Long Island City, N. Y. Cakes, crackers, and biscuits. 117,803; renewed July 31, 1937.

Zwart, Gerrit C., doing business as Visual Sciences, Suffern, N. Y. Peep devices for producing an inverted retinal image. 347,047; June 15; Serial No. 388,039; published Apr. 6, 1937. Class 26.

LIST OF REGISTRANTS OF LABELS

Blue Swan Mills, Inc., New York, N. Y. Blue Swan. For Underwear. 49,407; June 15.

Brenner, Jeanne McC., Pittsburgh, Pa. Jeanne's New Salad Dressing. For Salad Dressing. 49,408; June 15.

Brenner, Jeanne McC., Pittsburgh, Pa. Jeanne's Cocktail Sauce. For Cocktail Sauce. 49,409; June 15.

Bronte Champagne & Wine Co., Inc., Detroit, Mich. Italian Maid. For Port Wine. 49,410; June 15.

Chesapeake Brewing Corporation, The, Baltimore, Md. Oriole. For Lager Beer. 49,411; June 15.

Chicago Liquor Co., Chicago, Ill. Silver Queen. For Wine. 49,412; June 15.

Cobb Products Company, Okmulgee, Okla. Co-Pro-Co. For Powder to be Dissolved in Luke Warm Water to Lengthen the Wear of Silk Hose and Lingerie. 49,413; June 15.

Courchesne, A., Inc., doing business as El Paso Clay and Powder Company, El Paso, Tex. Gusher Brand Rotary Drilling Clay. For Rotary Drilling Clay. 49,414; June 15.

Dairymen's League Co-Operative Association, Inc., Utica and New York, N. Y. Dairylea Process American Cheese. For Cheese. 49,415; June 15.
Elessandria Sausage Co., Pittsburgh, Pa. Insuperable. For Tomato Paste. 49,406; June 15.
El Paso Clay and Powder Company. (See Courchesne, A., Inc.)
Gettelman, A., Brewing Co., Milwaukee, Wis. Stein Brew. For Lager Beer. 49,416; June 15.
Grant, H. R., Baking Co., Chicago, Ill. Household Bread. For Bread. 39,317; June 15.
Magnusson, Crosby W., doing business as King Kelly Marmalade Company, Bellflower, Calif. King Kelly. For Orange Juice. 49,418; June 15.
King Kelly Marmalade Company. (See Magnusson, Crosby W.)
Maryland Whiskey Distributing Company, Baltimore, Md. Melhaven-Maryland Straight Rye Whiskey. For Maryland Straight Rye Whiskey. 49,419; June 15.
Merkel Broom Company, Paris, Ill. Red Bird. For Brooms. 49,420; June 15.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Dirgo. For a Cleanser in Powdered Form. 49,421; June 15.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Saponifier. For Lye. 49,422; June 15.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. American Indian Head. For Lye. 49,423; June 15.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Lewis. For Lye. 49,424; June 15.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Eagle. For Lye. 49,425; June 15.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Greenwich. For Lye. 49,426; June 15.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Dixie Lye. For Lye. 49,427; June 15.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Service. For Lye. 49,428; June 15.
Pollock Paper & Box Company, Dallas, Tex. Creamery Butter. For Butter. 49,429; June 15.
Standard Brands Incorporated, New York, N. Y. Royal. For Salad Gelatin (Aspic). 49,430; June 15.
Trade Lithograph & Printing Co. Inc., New York, N. Y. Wormser. For Hats. 49,431; June 15.
Vimpep Foods, Inc., Cambridge, Md. Circus Dog. For Dog and Cat Food. 49,432; June 15.
Wilbert Products, Inc., New York, N. Y. No-Rub Shoe White. For White Shoe Dressing. 49,433; June 15.
Wisconsin Cheese Publicity Association, Inc., Kiel, Wis. Wispride. For Cheese. 49,434; June 15.
Yarger, Ash & Bradford, Inc., South Bend, Ind. Bear Hug. For Confection Coated Ice Cream Bars. 49,435; June 15.

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. 1¢ Sale, Chocolates for 1¢ per Pound. For Candy and Nuts. 16,222; June 15.
Bigelow-Sanford Carpet Co. Inc., New York, N. Y. These are the Popular Ways to Cover Your Floors Today. For Rugs and Carpets. 16,223; June 15.
Hills Bros., San Francisco, Calif. Observations of a Kitchen Clock. (6⅛" by 8¾"). For Coffee. 16,224; June 15.
Holeproof Hosiery Co., Milwaukee, Wis. Pacer the New Type Sock with Washable Garter Attached. For Socks. 16,225; June 15.
Holmes, D. H., Co., Ltd., New Orleans, La. King Flax. For Men's Linen Suits. 16,226; June 15.
Parker Pen Company, The, Janesville, Wis. To Lead the Easter Gift-Parade. For Fountain Pens, Mechanical Pencils, and Ink. 16,227; June 15.
Royal Hawaiian Distributing Co. Division of Pang See & Co., Ltd., Honolulu, Hawaii. Royal Hawaiian Souvenir Hawaii—The Land of Scenery, Sunshine, and Gaiety. For Souvenirs. 16,228. June 15.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Southern Coal Company. 346,972; June 15; Serial No. 385,680; published Apr. 6, 1937.
Coal and coke. W. Chadima. 347,190; June 15.
Leather. Miller Shoe Company. 347,185; June 15.
Material in the form of sheets, films or foils for use in the manufacture of ornamental and decorative articles or surfaces. Celluloid Corporation. 346,912; June 15; Serial No. 368,398; published Apr. 6, 1937.
Oils, vulcanized fish oils, and vulcanized animal oils. Vulcanized vegetable. Stamford Rubber Supply Company. 347,026; June 15; Serial No. 387,803; published Apr. 6, 1937.
Seed, Grass. Katz Drug Company. 347,145; June 15; Serial No. 388,943; published Apr. 6, 1937.
Seeds, Flower, field, and garden. Southern States Cooperative, Incorporated. 347,013; June 15; Serial No. 387,522; published Apr. 6, 1937.

CLASS 2

Bags, laundry bags, and shoe bags, Garment. M. Friedman & Son. 347,083; June 15; Serial No. 388,352; published Apr. 6, 1937.
Bags, paper plates, and paper cups, Paper. West Coast Gouley Burcham Co. Ltd. 347,016; June 15; Serial No. 387,605; published Apr. 6, 1937.
Boxes of cellulose acetate and resinol derivatives and paper, Hat. Joseph H. Meyer Brothers. 347,059–60; June 15; Serial Nos. 388,199–200; published Apr. 6, 1937.
Kit for toilet articles, Empty. R. C. Whittinghill. 346,975; June 15; Serial No. 385,765; published Apr. 6, 1937.
Pails, drums, and barrels, Metal. National Steel Barrel Company. 346,977; June 15; Serial No. 385,897; published Apr. 6, 1937.
Pails, Metal. National Steel Barrel Company. 347,036; June 15; Serial No. 387,917; published Apr. 6, 1937.
Receptacles. Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft. 116,721; renewed May 15, 1937.
Receptacles, Paperboard or corrugated paperboard storage. Odora Company. 347,068; June 15; Serial No. 388,238; published Apr. 6, 1937.

CLASS 3

Hames. U. S. Hame Company. 347,113; June 15; Serial No. 388,734; published Apr. 6, 1937.

CLASS 4

Soap, Hand. C. Giafrancesco. 347,179; June 15.

CLASS 6

Ant-destroyer. B. Heller & Co. 118,410; renewed Sept. 4, 1937.
Ant-destroyer. B. Heller & Co. 118,527; renewed Sept. 18, 1937.
Cream, Liquid toilet. W. E. Evenson. 116,832; renewed May 29, 1937.
Remedy and ointment. B. P. Maza & Co. 118,073; renewed Aug. 14, 1937.
Solution used in the treatment of asthma and hay fever. Vapo-Efrin Company. 346,981; June 15; Serial No. 386,133; published Feb. 9, 1937.

CLASS 10

Fertilizers. Southern States Cooperative, Incorporated. 347,012; June 15; Serial No. 387,520; published Apr. 6, 1937.

CLASS 12

Doors and the like, Metal. James Manufacturing Co. 347,115; June 15; Serial No. 388,745; published Mar. 30, 1937.
Houses, Knockdown. Sears, Roebuck and Co. 117,210; renewed June 19, 1937.
Liquid for use in wetting rubber sealing elements. B. F. Goodrich Company. 346,951; June 15; Serial No. 383,355; published Mar. 30, 1937.
Lumber. California Redwood Association. 347,080; June 15; Serial No. 388,339; published Mar. 30, 1937.
Lumber. Willapa Lumber Co. 118,363; renewed Aug. 28, 1937.
Roof coating, roof cements and roofing papers. Schecter Brothers Company. 346,945; June 15; Serial No. 382,395; published Apr. 6, 1937.
Structural members, Metal. A. Henderson. 347,043; June 15; Serial No. 388,002; published Apr. 6, 1937.
Veneers, Finished and unfinished lumber and wood. R. Fortune. 347,182; June 15.
Window sash and parts thereof, Adjustable. James Manufacturing Co. 347,114; June 15; Serial No. 388,744; published Mar. 30, 1937.

CLASS 13

Couplings, Fire hose. General Fire Truck Corporation. 347,175; June 15.

Hollowware, Cast iron cooking. Auto City Plating Co. 347,052; June 15; Serial No. 388,114; published Apr. 6, 1937.
Ladder feet. G. W. Morrison. 347,191; June 15.
Shower curtain. Arthur L. Ellis & Co. 347,009; June 15; Serial No. 387,462; published Apr. 6, 1937.
Wall fixtures, Vitreous porcelain bathroom and kitchen. Technical Porcelain and Tile Company. 346,921; June 15; Serial No. 375,736; published Apr. 6, 1937.

CLASS 14

Metal, Babbitt. Syracuse Smelting Works. 119,134; renewed Oct. 23, 1937.
Metal, Sheet. Chase Brass & Copper Co. Incorporated. 347,156; June 15; Serial No. 389,167; published Apr. 6, 1937.

CLASS 15

Fuel, Petroleum engine. Socony-Vacuum Oil Company. 347,044; June 15; Serial No. 388,028; published Mar. 30, 1937.
Gasoline, lubricating oils, and greases. Tide Water Associated Oil Company. 347,061; June 15; Serial No. 388,208; published Mar. 23, 1937.
Oil for use in shock absorbers for automobiles. Puritan Soap Company. 347,037; June 15; Serial No. 387,922; published Mar. 23, 1937.
Oil, Fuel. N. Grassi. 347,084; June 15; Serial No. 388,353; published Mar. 30, 1937.
Oils and greases. Crew Levick Company. 116,404; renewed May 1, 1937.
Oils and greases. Crew Levick Company. 116,406; renewed May 1, 1937.
Oils and greases, Lubricating. A. N. Henriksen. 347,152; June 15; Serial No. 389,027; published Apr. 6, 1937.
Oils and greases, Lubricating. Panther Oil & Grease Mfg. Co. 347,108; June 15; Serial No. 388,683; published Mar. 30, 1937.
Oils and greases, Lubricating. Standard Oil Company. 347,088; June 15; Serial No. 388,420; published Apr. 6, 1937.
Oils and greases, Lubricating. Valvoline Oil Company. 347,000; June 15; Serial No. 387,095; published Mar. 23, 1937.
Wax derived from petroleum. Socony-Vacuum Oil Company. 347,091; June 15; Serial No. 388,467; published Mar. 30, 1937.
Wax derived from petroleum. Socony-Vacuum Oil Company. 347,092; June 15; Serial No. 388,468; published Apr. 6, 1937.
Wax, Mineral. Conewango Refining Company. 347,128; June 15; Serial No. 388,863; published Apr. 6, 1937.

CLASS 16

Sealing, finishing, and preserving preparation, Floor. Vestal Chemical Company. 347,056; June 15; Serial No. 388,160; published Apr. 6, 1937.

CLASS 17

Cigarettes. Axton-Fisher Tobacco Company. 346,987; June 15; Serial No. 386,470; published Apr. 6, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 346,988; June 15; Serial No. 386,515; published Apr. 6, 1937.
Cigarettes. West Virginia Tobacco Corp. 347,127; June 15; Serial No. 388,861; published Apr. 6, 1937.
Cigars. H. L. Hudson. 346,973; June 15; Serial No. 385,732; published Apr. 6, 1937.

CLASS 21

Batteries, Storage. Price Battery Corporation. 347,124; June 15; Serial No. 388,796; published Apr. 6, 1937.
Electric headlight and signal lamps. Mars Signal Light Company. 347,111; June 15; Serial No. 388,720; published Apr. 6, 1937.
Generator output controls. Leterstone Sales Company. 346,913; June 15; Serial No. 369,539; published Apr. 6, 1937.
Machine for producing a substitute supply of electric current. General Emergency Lighting Corporation. 346,967; June 15; Serial No. 385,396; published Apr. 6, 1937.
Radio receiving sets. Triangle Electric Co. 346,932; June 15; Serial No. 380,809; published Apr. 6, 1937.
Radio receiving sets and accessories and parts thereof. RCA Manufacturing Company. 346,992; June 15; Serial No. 386,777; published Apr. 6, 1937.

CLASS 22

Cards, Playing. McKesson & Robbins, Incorporated. 347,154; June 15; Serial No. 389,087; published Apr. 6, 1937.
Cards, Playing. McKesson & Robbins, Incorporated. 347,155; June 15; Serial No. 389,089; published Apr. 6, 1937.
Dolls. E. J. Herte. 347,106; June 15; Serial No. 388,641; published Apr. 6, 1937.
Fish lines. Cortland Line Company. 347,143; June 15; Serial No. 388,917; published Apr. 6, 1937.
Game. Parker Brothers, Inc. 347,158; June 15; Serial No. 389,263; published Apr. 6, 1937.
Game apparatus. L. H. White. 347,102; June 15; Serial No. 388,602; published Apr. 6, 1937.
Golf bags, fishing-rod cases, tennis racket cases, etc. Abercrombie & Fitch Company. 346,982; June 15; Serial No. 386,140; published Apr. 6, 1937.
Golf ball supports or tees. R. B. Whitman. 346,938; June 15; Serial No. 381,889; published Apr. 6, 1937.
Hammocks. Ficks Reed Co. 347,020; June 15; Serial No. 387,701; published Apr. 6, 1937.
Hook holders and rod caps for cane poles and casting rods. Enterprise Manufacturing Company. 347,121; June 15; Serial No. 388,772; published Apr. 6, 1937.
Play and amusement apparatus. Goshen Manufacturing Company. 347,129; June 15; Serial No. 388,866; published Apr. 6, 1937.

CLASS 23

Bit braces, soldering irons, pliers, etc. Supplee-Biddle Hardware Co. 347,209; June 15.
Crankshafts for engines. Ohio Crankshaft Company. 346,939; June 15; Serial No. 382,136; published Apr. 6, 1937.
Cutlery, machinery, and tools, etc. Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft. 116,809; renewed May 22, 1937.
Engine cylinder sleeves. Wisconsin Machinery & Manufacturing Co. 346,909; June 15; Serial No. 359,882; published Apr. 6, 1937.
Engines and parts thereof, Internal combustion. John Fowler & Co. (Leeds) Ltd. 347,054; June 15; Serial No. 388,133; published Apr. 6, 1937.
Grinding machines, radius grinding machines, piston turning and grinding machines, etc., Internal and external cylindrical. Van Norman Machine Tool Company. 347,022; June 15; Serial No. 387,717; published Apr. 6, 1937.
Razor blades, Safety. Gillette Safety Razor Company. 347,029; June 15; Serial No. 387,826; published Apr. 6, 1937.
Rock drilling apparatus. Spencer Turbine Company. 347,055; June 15; Serial No. 388,147; published Apr. 6, 1937.
Sewer sweep, Mechanical. G. H. Werfelman. 347,001; June 15; Serial No. 387,096; published Apr. 6, 1937.
Split drive power take off. Galion Metallic Vault Company. 346,920; June 15; Serial No. 374,659; published Apr. 6, 1937.
Tools for wheel trueing, Diamond. J. K. Smit & Sons, Inc. 347,174; June 15.
Typewriting machines and parts of the same. E. Paillard & Cie, Société Anonyme. 346,923; June 15; Serial No. 377,229; published Apr. 6, 1937.

CLASS 24

Ironing machines. Electric Household Utilities Corporation. 347,157; June 15; Serial No. 389,174; published Apr. 6, 1937.
Wringers and parts thereof. Sears, Roebuck and Co. 117,209; renewed June 19, 1937.

CLASS 26

Lenses and blanks for ophthalmic lenses, Ophthalmic. American Optical Company. 347,034; June 15; Serial No. 387,850; published Apr. 6, 1937.
Meters and parts thereof, Water and other fluid. Neptune Meter Company. 117,581; renewed July 17, 1937.
Peep devices for producing an inverted retinal image. G. C. Zwart. 347,047; June 15; Serial No. 388,039; published Apr. 9, 1937.

CLASS 27

Watch cases, watches, and watch movements. Gruen Watch Company. 347,164; June 15; Serial No. 389,357; published Apr. 6, 1937.
Watches, watch cases, watch parts, etc. H. A. Jeffrey. 347,153; June 15; Serial No. 389,067; published Apr. 6, 1937.

CLASS 28

Brooches, bracelets, necklaces, etc. J. Schwab. 347,032; June 15; Serial No. 387,840; published Mar. 30, 1937.

CLASS 31

Refrigerators. Westinghouse Electric & Manufacturing Company. 346,994; June 15; Serial No. 386,879; published Apr. 6, 1937.

CLASS 32

Book ends. G. B. Collis. 346,961; June 15; Serial No. 384,371; published Apr. 6, 1937.
Cabinets, drawers, and parts thereof, File. Victor Safe & Equipment Company. 347,005; June 15; Serial No. 387,414; published Apr. 6, 1937.
Cabinets, drawers, and parts thereof, File. Victor Safe & Equipment Company. 347,109–10; June 15; Serial Nos. 388,694–5; published Apr. 6, 1937.
Desks, Typewriter. Wagemaker Co. 347,194; June 15.
Fixtures, Metal. Metal Office Furniture Company. 347,200; June 15.
Frames for framing portraits, paintings, etc. Fine Arts Association. 347,035; June 15; Serial No. 387,896; published Apr. 6, 1937.
Furniture. Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft. 116,722–3; renewed May 15, 1937.

Sofas, settees, club chairs, etc. Reimann & Bresse, Inc. 346,922; June 15; Serial No. 376,918; published July 7, 1936.
Springs and spring constructions for seats, chairs, etc., Wire. E. Arons. 346,989; June 15; Serial No. 386,576; published Apr. 6, 1937.

CLASS 34

Furnaces for cremating human bodies, Cremation. J. J. Bleitz. 346,929; June 15; Serial No. 380,338; published Apr. 6, 1937.
Furnaces, Melting, metallurgical, and heating, and liquid fuel burning devices. United Furnace Engineering Company. 346,906; June 15; Serial No. 336,410; published Sept. 12, 1933.
Heaters, Gas water. Hotstream Heater Company. 347,196; June 15.
Heaters, Gas water. Hotstream Heater Company. 347,203; June 15.
Reflectors for lighting fixtures, Metal. Duplex Lighting System Incorporated. 117,842; renewed Aug. 7, 1937.

CLASS 35

Belting, Leather. Baldwin Belting and Leather Company. 347,041; June 15; Serial No. 387,972; published Apr. 6, 1937.
Tires, Rubber. Atlas Supply Company. 347,024; June 15; Serial No. 387,775; published Apr. 6, 1937.

CLASS 36

Musical instruments, Brass, reed and stringed. Western States Wholesale Music Corp. 347,098; June 15; Serial No. 388,556; published Apr. 6, 1937.

CLASS 37

Cards, filing guides, folders, etc., Filing. Goldsmith Bros. 347,197; June 15.
Charts and questionnaires. Mutual Benefit Life Insurance Company. 347,093; June 15; Serial No. 388,507; published Apr. 6, 1937.
Checks, bank depositors' identification certificates and bank service forms, Bank. Certi-Pay Systems. 347,053; June 15; Serial No. 388,119; published Apr. 6, 1937.
Duplicating machines and devices and parts thereof. Standard Mailing Machines Company. 347,193; June 15.
Letterheads, noteheads, envelopes, etc. D. Hall. 347,195; June 15.
Paper. R. J. Cheesman. 346,976; June 15; Serial No. 385,827; published Mar. 16, 1937.
Paper and stationery. Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft. 117,009; renewed June 5, 1937.
Paper used as a basis for wax coating and wax paper. Port Huron Sulphite & Paper Co. 346,908; June 15; Serial No. 359,052; published Apr. 23, 1935.
Paper, Wrapping. Detroit Sulphite Pulp & Paper Co. 346,969; June 15; Serial No. 385,567; published Apr. 6, 1937.
Pencils, erasers, rubber bands, etc. A. W. Faber, Inc. 347,027; June 15; Serial No. 387,820; published Apr. 6, 1937.
Pens, Fountain. Chilton Pen Company. 347,170; June 15.
Sheet used in the preparation of stencils, Separable. Nu Film Products Company. 347,184; June 15.

CLASS 38

Book or magazine, Quigley Publishing Company. 347,070; June 15; Serial No. 388,242; published Apr. 6, 1937.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 347,130–4; June 15; Serial Nos. 388,894–5; published Apr. 6, 1937.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 347,133–4; June 15; Serial Nos. 388,898–9; published Apr. 6, 1937.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 347,135; June 15; Serial No. 388,902; published Apr. 6, 1937.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 347,136–42; June 15; Serial Nos. 388,904–10; published Apr. 6, 1937.
Drawings, Comic. NEA Service, Inc. 347,094; June 15; Serial No. 388,508; published Apr. 6, 1937.
Magazine. S. Levy. 347,095; June 15; Serial No. 388,536; published Apr. 6, 1937.
Magazine, Military Service Publishing Company. 346,979; June 15; Serial No. 385,958; published Mar. 30, 1937.
Magazine feature. Crowell Publishing Company. 347,014; June 15; Serial No. 387,544; published Apr. 6, 1937.
Magazine, Monthly. Roller Fanciers Corporation. 346,978; June 15; Serial No. 385,901; published Mar. 30, 1937.
Magazines. Fannie Sanders and National Bank of Commerce of San Antonio. 347,011; June 15; Serial No. 387,516; published Mar. 30, 1937.
Magazines. Fannie Sanders and National Bank of Commerce of San Antonio. 347,038; June 15; Serial No. 387,926; published Mar. 30, 1937.
Mailing lists in booklet form. J. M. Thacker. 347,076; June 15; Serial No. 388,288; published Apr. 6, 1937.
Newspaper column. Buffalo Times, Inc. 347,072; June 15; Serial No. 388,252; published Mar. 30, 1937.
Newspaper column. Chicago Tribune-New York News Syndicate, Inc. 347,132; June 15; Serial No. 388,897; published Apr. 6, 1937.
Newspaper feature. Esquire Features, Inc. 347,050; June 15; Serial No. 388,055; published Mar. 30, 1937.
Page or column. Feature. Scholastic Corporation. 346,926; June 15; Serial No. 379,315; published Mar. 30, 1937.
Periodical. National Petroleum Publishing Company. 116,968; renewed June 5, 1937.
Periodical. Thomas Publishing Company. 347,126; June 15; Serial No. 388,859; published Apr. 6, 1937.
Periodical, Printed. Congoleum-Nairn Inc. 347,078; June 15; Serial No. 388,311; published Mar. 30, 1937.
Periodical, Quarterly. North American Veterinarian, Inc. 347,040; June 15; Serial No. 387,949; published Apr. 6, 1937.
Periodicals. Brotherhood of Painters, Decorators and Paperhangers of America. 347,067; June 15; Serial No. 388,225; published Mar. 30, 1937.
Prints, Photo. R. D. S. Photo Print Service, Inc. 346,958; June 15; Serial No. 384,106; published Apr. 6, 1937.
Publication. Equipment News, Inc. 346,960; June 15; Serial No. 384,202; published Dec. 15, 1936.
Publication, Monthly. Alpert Press. 346,990; June 15; Serial No. 386,712; published Apr. 6, 1937.
Publication, Monthly. Trends Publishing Company. 346,970; June 15; Serial No. 385,612; published Mar. 30, 1937.
Section within a monthly publication. Consolidated Publishing Company. 346,963; June 15; Serial No. 384,735; published Mar. 30, 1937.
Sections of periodical publications. United States News Publishing Corporation. 347,063–5; June 15; Serial Nos. 388,212–14; published Mar. 30, 1937.
Stamps, Trading. Pictorial Paper Package Corporation. 347,087; June 15; Serial No. 388,409; published Apr. 6, 1937.
Topics, Informative. NEA Service, Inc. 347,100; June 15; Serial No. 388,590; published Apr. 6, 1937.

CLASS 39

Band protectors for hats and caps and headwear, Head and sweat. Gards Manufacturing Co. 346,917; June 15; Serial No. 374,239; published Mar. 30, 1937.
Belts, Ladies'. Slote & Klein, Inc. 347,071; June 15; Serial No. 388,246; published Apr. 6, 1937.
Boots and shoes. International Shoe Co. 346,999; June 15; Serial No. 387,039; published Mar. 23, 1937.
Clothing. Macullar Parker Company. 118,895; renewed Oct. 9, 1937.
Clothing. Edw. K. Tryon Company. 347,010; June 15; Serial No. 387,479; published Mar. 30, 1937.
Coats, fur caps and hats, fur neck scarfs, etc., Fur. J. Weinig Co. 347,172; June 15.
Gloves. Acme Glove Corporation. 346,968; June 15; Serial No. 385,431; published Jan. 19, 1937.
Gloves. Eisendrath Glove Co. 346,952; June 15; Serial No. 383,519; published Dec. 1, 1936.
Gloves, Fownes Bros. & Co. 347,104; June 15; Serial No. 388,606; published Apr. 6, 1937.
Gloves and work mittens, Work. Indianapolis Glove Company. 347,176; June 15.
Gloves, Leather. Louis Meyers & Son, Inc. 347,069; June 15; Serial No. 388,239; published Mar. 30, 1937.
Hats and caps. John B. Stetson Company. 346,946; June 15; Serial No. 382,638; published Nov. 24, 1936.
Hats and hat bodies, Women's and children's. Merrimac Hat Corporation. 346,919; June 15; Serial No. 374,422; published Mar. 23, 1937.
Hats, dresses, stockings, etc. E. Eldridge. 347,025; June 15; Serial No. 387,781; published Mar. 30, 1937.
Hats, hosiery, suits, etc. Save-Sum Stores, Incorporated. 346,947; June 15; Serial No. 382,770; published Mar. 30, 1937.
Hats, Ladies'. Debway Hats, Inc. 346,986; June 15; Serial No. 386,413; published Mar. 30, 1937.
Hats, Ladies'. Milshap Hats, Inc. 346,964; June 15; Serial No. 384,857; published Mar. 30, 1937.
Hats, Men's. Harris Polk Hat Company. 346,924; June 15; Serial No. 378,495; published Oct. 6, 1937.
Hats, slips, neckties, hose, etc. Bloomingdale Bros., Inc. 346,933; June 15; Serial No. 380,942; published Oct. 27, 1936.
Heels, Shoe. Vulcan Corporation. 346,930; June 15; Serial No. 380,468; published Mar. 23, 1937.
Inner soles for shoes and footwear. E. J. Kuhne. 347,003; June 15; Serial No. 387,248; published Mar. 30, 1937.
Leggins, and combined leggins and coat sets. Fischers Kiddie Coat Corp. 346,965; June 15; Serial No. 384,923; published Mar. 30, 1937.
Scarfs, sweaters, bathing suits, etc. Valomist Hosiery Company. 347,045; June 15; Serial No. 388,035; published Mar. 30, 1937.
Shirts and collars. Ely & Walker Dry Goods Company. 347,079; June 15; Serial No. 388,315; published Apr. 6, 1937.

Shoes. Bonwit Teller, Inc. 346,916; June 15; Serial No. 373,994; published Apr. 6, 1937.
Shoes. Commonwealth Shoe and Leather Company. 347,015; June 15; Serial No. 387,580; published Mar. 23, 1937.
Shoes, Johnson, Stephens and Shinkle Shoe Company. 346,954–5; June 15; Serial Nos. 383,625–6; published Dec. 1, 1936.
Shoes, Orthopedic Shoes, Inc. 346,991; June 15; Serial No. 386,739; published Mar. 30, 1937.
Shoes, Leather. M. Catania. 347,073; June 15; Serial No. 388,258; published Mar. 30, 1937.
Shoes, Leather. Sears, Roebuck and Co. 116,559; renewed May 8, 1937.
Shoes, Orthopedic. Atlas Ago Chemische Fabrik Aktiengesellschaft. 347,066; June 15; Serial No. 388,220; published Apr. 6, 1937.
Shoes, slippers, heels, etc. Murray M. Rosenberg, Inc. 346,944; June 15; Serial No. 382,360; published Mar. 30, 1937.
Suits, coats, pants, etc. Weil Clothing Company. 347,057; June 15; Serial No. 388,167; published Apr. 6, 1937.
Suits, coats, vests, etc. Schloss Bros. & Co. 346,948; June 15; Serial No. 382,773; published Apr. 6, 1937.
Suits, Men's. Chester Barrie, Inc. 346,918; June 15; Serial No. 374,320; published Apr. 6, 1937.
Suits, overcoats, topcoats, etc. Mid-West Wholesalers Inc. 347,086; June 15; Serial No. 388,401; published Mar. 30, 1937.

CLASS 40

Fasteners, Snap. Autoyre Company. 118,738; renewed Oct. 2, 1937.
Knitting pins and crochet hooks for hand use. English Needle & Fishing Tackle Co. Ltd. 346,925; June 15; Serial No. 379,087; published Mar. 30, 1937.
Laces, Shoe. B. E. Cederoth. 347,058; June 15; Serial No. 388,182; published Apr. 6, 1937.
Snap fasteners. Scovill Manufacturing Company. 347,023; June 15; Serial No. 387,756; published Apr. 6, 1937.

CLASS 42

Blankets. Bell Textile Company. 347,042; June 15; Serial No. 387,973; published Apr. 6, 1937.
Bolting cloth. Etablissements Tripette & Renaud Fils, Société Anonyme. 346,997; June 15; Serial No. 386,937; published Apr. 6, 1937.
Cotton and woolen piece goods, Mixed. Pacific Mills. 347,101; June 15; Serial No. 388,591; published Apr. 6, 1937.
Gauze. Kendall Company. 346,907; June 15; Serial No. 358,934; published Apr. 6, 1937.
Lace and tulle. P. Roussillon. 346,956; June 15; Serial No. 383,704; published Apr. 6, 1937.
Piece goods. Celanese Corporation of America. 347,125; June 15; Serial No. 388,829; published Apr. 6, 1937.
Piece goods. Josef Knitted Fabrics, Inc. 346,953; June 15; Serial No. 383,531; published Mar. 30, 1937.
Piece goods. Siegel Bros. Kiki Maid Coats Inc. 347,183; June 15.
Piece goods and steamer and pram rugs of textile fabrics. Folkard & Lawrence, Inc. 347,149; June 15; Serial No. 388,977; published Apr. 6, 1937.
Rugs and carpets. Bullock's, Inc. 347,201–2; June 15.
Silk goods. Wullschleger & Co. 347,033; June 15; Serial No. 387,848; published Apr. 6, 1937.
Textile fabrics. Lippitt Woolen Company. 347,122; June 15; Serial No. 388,784; published Apr. 6, 1937.
Textile fabrics. M. Weiner. 346,959; June 15; Serial No. 384,174; published Apr. 6, 1937.
Woolen piece goods. Botany Worsted Mills. 347,116–17; June 15; Serial Nos. 388,755–6; published Apr. 6, 1937.
Woolen piece goods. Botany Worsted Mills. 347,118–19; June 15; Serial Nos. 388,758–9; published Apr. 6, 1937.

CLASS 43

Yarn. Industrial Rayon Corporation. 347,173; June 15.

CLASS 44

Apparatus, appliances, outfits and parts thereof for administering anesthetics, etc. Foregger Company. 347,199; June 15.
Cotton wool for dental use, hardening and soldering materials for dental purposes, moulding material for dental purposes, etc., Rolls and pellets of. F. Hesse. 346,936; June 15; Serial No. 381,805; published Apr. 6, 1937.
Dental restorations. Washington Dental Company. 346,980; June 15; Serial No. 386,087; published Apr. 6, 1937.
Hair wave pads, spacers, curling rods, etc., Permanent. Bonat & Bonat, Inc. 346,937; June 15; Serial No. 381,861; published Apr. 6, 1937.
Heating pads. G. J. Yore. 346,983; June 15; Serial No. 386,327; published Apr. 6, 1937.
Massager, Skin. Skin Charm Massager, Inc. 346,950; June 15; Serial No. 383,106; published Apr. 6, 1937.
Prophylactic rubber articles. H. L. Ain. 346,931; June 15; Serial No. 380,735; published Apr. 6, 1937.
Water-bottles, fountain-syringes, face-bags, etc. Seamless Rubber Company. 116,687; renewed May 15, 1937.

CLASS 45

Beverage manufactured from pure fruit juices. Tasty Beverages, Inc. 347,192; June 15.
Beverages. Consolidated Beverages Limited. 346,914; June 15; Serial No. 370,869; published Apr. 28, 1936.
Beverages. Massasoit Beverage Co. 347,186; June 15.
Beverages and soft drinks including syrups and extracts for making the same. Silver Springs Water Company. 347,097; June 15; Serial No. 388,548; published Apr. 6, 1937.
Beverages, and syrups, extracts, and flavors used in making the same. World Bottling Company. 347,103; June 15; Serial No. 388,604; published Apr. 6, 1937.
Beverages, Maltless. Blue Anchor Beverage Company. 347,198; June 15.
Beverages, Non-alcoholic. General Beverage Corp. 347,144; June 15; Serial No. 388,932; published Apr. 6, 1937.
Beverages, Non-alcoholic. R. E. Powell. 347,146; June 15; Serial No. 388,958; published Apr. 6, 1937.
Flavoring used in the preparation of soft drinks. Lewis-Martin Company. 347,085; June 15; Serial No. 388,356; published Apr. 6, 1937.
Ginger ale. Distillata Company. 347,089; June 15; Serial No. 388,436; published Apr. 6, 1937.
Syrups or extracts for making beverages. Snow Crest Beverages. 347,090; June 15; Serial No. 388,465; published Apr. 6, 1937.

CLASS 46

Alimentary pastes, butter, candies, etc. Jaburg Brothers, Incorporated. 346,910; June 15; Serial No. 362,177; published Mar. 30, 1937.
Biscuits. Renken & Yates Smith Corporation. 347,112; June 15; Serial No. 388,729; published Apr. 6, 1937.
Bread. Dia-Tonic Co. 346,949; June 15; Serial No. 382,866; published Apr. 6, 1937.
Bread. D. G. Williams. 347,204–8; June 15.
Cake-mix, Prepared. Continental Mills, Inc. 347,077; June 15; Serial No. 388,294; published Mar. 30, 1937.
Cakes, crackers, and biscuits. Yours Truly Biscuit Co. 117,803; renewed July 31, 1937.
Candies. E. J. Brach & Sons. 347,120; June 15; Serial No. 388,760; published Apr. 6, 1937.
Candy, Chicky Candies, Inc. 347,082; June 15; Serial No. 388,345; published Mar. 30, 1937.
Canned citrus juices. Gentile Bros. Company. 347,028; June 15; Serial No. 387,825; published Mar. 30, 1937.
Canned fish. A/S Einar Hausvik & Co. 346,985; June 15; Serial No. 386,391; published Apr. 6, 1937.
Canned fruits and vegetables. Tiedemann & McMorran. 347,062; June 15; Serial No. 388,211; published Mar. 30, 1937.
Canned salmon. Annette Island Canning Co. 347,004; June 15; Serial No. 387,260; published Mar. 30, 1937.
Canned tuna. Marine Products Co. 347,021; June 15; Serial No. 387,708; published Apr. 6, 1937.
Canned vegetables. Middlesex Wholesale Grocery Co. 347,123; June 15; Serial No. 388,790; published Apr. 6, 1937.
Canned vegetables and canned fruits. E. S. Kibbe Company. 118,541; renewed Sept. 18, 1937.
Cheese, Cream. Fiorlat Dairy Products Corp. 347,039; June 15; Serial No. 387,938; published Apr. 6, 1937.
Cherries in glass containers. Fruit Products Corporation. 346,915; June 15; Serial No. 372,471; published Apr. 6, 1937.
Chocolate. Cuba Industrial y Comercial, S. A. 346,911; June 15; Serial No. 363,386; published Apr. 6, 1937.
Cocoa and baking chocolate. Siren Mills Corporation. 347,187–9; June 15.
Coffee. Tindall, Kolbe & McDowell Co. 347,002; June 15; Serial No. 387,149; published Mar. 30, 1937.
Coffee, Roasted. E. S. Kibbe Company. 117,448; renewed July 10, 1937.
Confections, Frozen. Joe Lowe Corporation. 347,099; June 15; Serial No. 388,580; published Mar. 30, 1937.
Feeds, Stock. Albers Bros. Milling Co. 346,971; June 15; Serial No. 385,620; published Apr. 6, 1937.
Flour, Wheat. Acme Flour Mills Co. 347,007; June 15; Serial No. 387,426; published Mar. 30, 1937.
Flour, Wheat. Robinson-McCaw Mills. 346,934; June 15; Serial No. 381,096; published Apr. 6, 1937.
Flour, Wheat. Robinson-McCaw Mills. 346,935; June 15; Serial No. 381,098; published Apr. 6, 1937.
Flour, Wheat. Robinson-McCaw Mills. 346,940–43; June 15; Serial Nos. 382,277–80; published Apr. 6, 1937.
Flour, Wheat. Southwestern Milling Company. 118,612; renewed Sept. 18, 1937.
Food product, Dehydrated vegetable carbohydrate. Wander Company. 347,006; June 15; Serial No. 387,415; published Mar. 30, 1937.
Fruit flavors, Concentrated. E. B. Moshier. 346,974; June 15; Serial No. 385,742; published Mar. 30, 1937.
Fruits, Fresh citrus. Oxnard Citrus Association. 347,211; June 15.
Grapefruit. Arizona Citrus Growers. 347,181; June 15.
Gum, Chewing. American Chicle Co. 117,501; renewed July 17, 1937.
Gum, Chewing. American Chicle Company. 347,048; June 15; Serial No. 388,042; published Apr. 6, 1937.

Ice cream, sherbets, and mousses. United Farmers Co-operative Creamery Association, Inc. 346,927; June 15; Serial No. 379,499; published Mar. 30, 1937.
Oranges. Arizona Citrus Growers. 347,180; June 15.
Pickles and pickle relishes. Mount Olive Pickle Co. 347,096; June 15; Serial No. 388,541; published Apr. 6, 1937.
Rice. Gangjee Sajun & Co. 346,966; June 15; Serial No. 385,009; published Apr. 6, 1937.
Rice. Southern Rice Sales Co. 347,074; June 15; Serial No. 388,285; published Apr. 6, 1937.
Rice. Southern Rice Sales Co. 347,075; June 15; Serial No. 388,286; published Mar. 30, 1937.
Salad dressing. Old Monk Olive Oil Co. 346,928; June 15; Serial No. 379,898; published Mar. 30, 1937.
Sausages. H. C. Bohack Co. 346,957; June 15; Serial No. 383,715; published Apr. 6, 1937.
Vegetable product, Prepared. Ralston Purina Company. 346,993; June 15; Serial No. 386,818; published Mar. 30, 1937.
Yeast, Compressed. Red Star Yeast and Products Co. 347,107; June 15; Serial No. 388,660; published Apr. 6, 1937.

CLASS 47

Sherry. Schroeder Bros., Inc. 347,210; June 15.
Wines. Great Northern Wine Company Inc. 347,019; June 15; Serial No. 387,668; published Apr. 6, 1937.

CLASS 48

Beer. Atlas Brewing Company. 347,105; June 15; Serial No. 388,609; published Apr. 6, 1937.
Beer. Lafayette Brewery Inc. 347,150; June 15; Serial No. 388,988; published Apr. 6, 1937.
Chemical substance of vegetable origin used in the clarification of beer and ales. Brewers Scientific Laboratories, Inc. 347,049; June 15; Serial No. 388,046; published Apr. 6, 1937.

CLASS 49

Alcohol, Ethyl. New Orleans Alcohol and Distilling Corporation. 346,962; June 15; Serial No. 384,430; published Apr. 6, 1937.
Cognac brandy. Picker-Linz Importers, Inc. 347,030–1; June 15; Serial Nos. 387,836–7; published Apr. 6, 1937.
Gin, Imported. Buckingham Corporation. 346,996; June 15; Serial No. 386,933; published Apr. 6, 1937.
Rum. Distillers Exchange, Inc. 347,018; June 15; Serial No. 387,663; published Apr. 6, 1937.
Whiskey. A. S. Bowman. 347,081; June 15; Serial No. 388,341; published Apr. 6, 1937.
Whiskey. Brauer Liquor Co. 347,008; June 15; Serial No. 387,431; published Apr. 6, 1937.
Whiskey. Capitol Wine & Spirit Corporation. 347,165; June 15; Serial No. 389,454; published Apr. 6, 1937.
Whiskey. Crescent Beverage Co. Inc. 347,017; June 15; Serial No. 387,661; published Apr. 6, 1937.
Whiskey. Popper-Morson Co. 347,166; June 15; Serial No. 389,471; published Apr. 6, 1937.
Whiskey. Charles L. Richardson & Co. 347,051; June 15; Serial No. 388,106; published Apr. 6, 1937.
Whiskey. Three G Distillery Corp. 347,171; June 15.
Whiskey. Hiram Walker & Sons Inc. 347,159–61; June 15; Serial Nos. 389,280–2; published Apr. 6, 1937.
Whiskey. Hiram Walker & Sons Inc. 347,162–3; June 15; Serial Nos. 389,284–5; published Apr. 6, 1937.
Whiskey. Hiram Walker & Sons Inc. 347,178; June 15.
Whiskey. Tom Walker, Inc. 347,046; June 15; Serial No. 388,037; published Apr. 6, 1937.
Whiskey. Woodford County Distillery Co. 347,151; June 15; Serial No. 389,003; published Apr. 6, 1937.
Whiskey, gin, rum, etc. Schenley Products Company. 347,147–8; June 15; Serial Nos. 388,960–1; published Apr. 6, 1937.
Whisky. Buckingham Corporation. 346,984; June 15; Serial No. 386,359; published Apr. 6, 1937.

CLASS 50

Fabrics dyed and waterproofed, High count, light weight cotton. William L. Barrell Company. 346,995; June 15; Serial No. 386,925; published Apr. 6, 1937.
Floor covering, Readily removable, collapsible, and portable. G. L. Morris Corporation. 347,177; June 15.
Lay-out for floricultural purposes. International Paper Company. 347,167–9; June 15.
Printing plates, engraving plates, rubber composition printing plates, etc. Para-Flex Plate Corporation. 346,998; June 15; Serial No. 387,006; published Apr. 6, 1937.

LIST OF LABELS

American Indian Head. For Lye. Pennsylvania Salt Manufacturing Company. 49,423; June 15.
Bear Hug. For Confection Coated Ice Cream Bars. Yarger, Ash & Bradford, Inc. 49,435; June 15.
Blue Swan. For Underwear. Blue Swan Mills, Inc. 49,407; June 15.
Circus Dog. For Dog and Cat Food. Vimpep Foods, Inc. 49,432; June 15.
Co-Pro-Co. For Powder to be Dissolved in Luke Warm Water to Lengthen the Wear of Silk Hose and Lingerie. Cobb Products Company. 49,413; June 15.
Creamery Butter. For Butter. Pollock Paper & Box Company. 49,429; June 15.
Dairylea Process American Cheese. For Cheese. Dairymen's League Co-Operative Association, Inc. 49,415; June 15.
Dirgo. For a Cleanser in Powdered Form. National Retailer-Owned Grocers, Inc. 49,421; June 15.
Dixie Lye. For Lye. Pennsylvania Salt Manufacturing Company. 49,427; June 15.
Eagle. For Lye. Pennsylvania Salt Manufacturing Company. 49,425; June 15.
Greenwich. For Lye. Pennsylvania Salt Manufacturing Company. 49,426; June 15.
Gusher Brand Rotary Drilling Clay. For Rotary Drilling Clay. A. Courchesne, Inc. 49,414; June 15.
Household Bread. For Bread. H. R. Grant Baking Co. 49,417; June 15.
Insuperable. For Tomato Paste. Alessandria Sausage Co. 49,406; June 15.
Italian Maid. For Port Wine. Bronte Champagne & Wine Co. 49,410; June 15.
Jeanne's Cocktail Sauce. For Cocktail Sauce. J. McC. Brenner. 49,409; June 15.
Jeanne's New Salad Dressing. For Salad Dressing. J. McC. Brenner. 49,408; June 15.
King Kelly. For Orange Juice. C. W. Magnusson. 49,418; June 15.
Lewis. For Lye. Pennsylvania Salt Manufacturing Company. 49,424; June 15.
Melhaven-Maryland Straight Rye Whiskey. For Maryland Straight Rye Whiskey. Maryland Whiskey Distributing Company. 49,419; June 15.
No-Rub Shoe White. For White Shoe Dressing. Wilbert Products, Inc. 49,433; June 15.
Oriole. For Lager Beer. Chesapeake Brewing Corporation. 49,411; June 15.
Red Bird. For Brooms. Merkel Broom Company. 49,420; June 15.
Royal. For Salad Gelatin (Aspic). Standard Brands Incorporated. 49,430; June 15.
Saponifier. For Lye. Pennsylvania Salt Manufacturing Company. 49,422; June 15.
Service. For Lye. Pennsylvania Salt Manufacturing Company. 49,428; June 15.
Silver Queen. For Wine. Chicago Liquor Co. 49,412; June 15.
Stein Brew. For Lager Beer. A. Gettelman Brewing Co. 49,416; June 15.
Wispride. For Cheese. Wisconsin Cheese Publicity Association, Inc. 49,434; June 15.
Wormser. For Hats. Trade Lithograph & Printing Co. Inc. 49,431; June 15.

LIST OF PRINTS

King Flax. For Men's Linen Suits. D. H. Holmes Co. 16,226; June 15.
Observations of a Kitchen Clock (6¼" by 8¾"). For Coffee. Hills Bros. 16,224; June 15.
1¢ Sale, Chocolates for 1¢ per Pound. For Candy and Nuts. Awful Fresh Macfarlane. 16,222; June 15.
Pacer, The New Type Sock with Washable Garter Attached. For Socks. Holeproof Hosiery Co. 16,225; June 15.
Royal Hawaiian Souvenir Hawaii—The Land of Scenery, Sunshine, and Gaiety. For Souvenirs. Royal Hawaiian Distributing Co. Division of Pang See & Co. 16,228; June 15.
These are the Popular Ways to Cover Your Floors Today. For Rugs and Carpets. Bigelow-Sanford Carpet Co. Inc. 16,223; June 15.
To Lead the Easter Gift-Parade. For Fountain Pens, Mechanical Pencils, and Ink. Parker Pen Company. 16,227; June 15.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Cyanamid Company. (See Romieux, C. J., and Ashley, assignors.)
Ashley, Kenneth D. (See Romieux, C. J., and Ashley.)
Bank, Albert M., assignor to S. Bank, Jersey City, N. J. Upholstery construction. 20,406; June 15.
Bank, Sylvia. (See Bank, Albert M., assignor.)
Cohen, Adolph, Brooklyn, N. Y. Doll. 20,414; June 15.
Eastman Kodak Company. (See Green, Newton B., assignor.)
Green, Newton B., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Folding trigger for shutters. 20,407; June 15.
Hagen, Harold F., Dedham, assignor to B. F. Sturtevant Company, Boston, Mass. Centrifugal fan. 20,408; June 15.
Hagen, Harold F., Dedham, assignor to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass. Centrifugal fluid moving apparatus. 20,409; June 15.
Larson, Edward S., Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Magazine shift for linecasting and composing machines. 20,410; June 15.
Lavino, E. J., and Company. (See Seil, Gilbert E., assignor.)
Romieux, Charles J., Summit, and K. D. Ashley, Cranford, N. J., assignors to American Cyanamid Company, New York, N. Y. Dithiophosphate compounds. 20,411; June 15.
Salvatori, Henry, Hollywood, Calif., assignor to Western Geophysical Company, Tulsa, Okla. Energy transmission. 20,412; June 15.
Seil, Gilbert E., Cynwyd, Pa., assignor to E. J. Lavino and Company, Philadelphia, Pa. High temperature refractory cement. 20,413; June 15.
Sturtevant, B. F., Company. (See Hagen, Harold F., assignor.)
Teletypesetting Corporation. (See Larson, Edward S., assignor.)
Western Geophysical Company. (See Salvatori, Henry, assignor.)

LIST OF PLANT PATENTEES

Murphey, Robert C., assignor to R. H. Murphey's Sons Company, Urbana, Ohio. Chrysanthemum. 251; June 15.

LIST OF DESIGN PATENTEES

Acme Ring Co. (See Mengel, Otto H., assignor.)
Airmaster Corporation. (See Hueglin, Herman C., assignor.)
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Combined pyrophoric lighter and cigarette container. 104,953; June 15.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Combined pyrophoric lighter and cigarette contalner. 104,954; June 15.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Pyrophoric lighter. 104,955; June 15. signor.)
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Baker & Company. (See Kiepe, Henry R., assignor.)
Baker, Kenneth E., assignor to Gerber Products Company, Fremont, Mich. Display rack. 104,956; June 15.
Benjamin, Benjamin, Freeport, N. Y. Shoe. 104,912; June 15.
Botany Worsted Mills. (See Gaul, John F., Jr., assignor.)
Briggs, Mark L., Battle Creek, Mich. Emblem. 104,935; June 15.
Brooks, Jonathan W. B., Philadelphia, Pa. Textile fabric. 104,957; June 15.
Brooks, Jonathan W. B., Philadelphia, Pa. Textile fabric. 104,958; June 15.
Brunhoff Manufacturing Co., The. (See Karst, Clarence E., assignor.)
Cangemi, Salvatore, New York, N. Y. Shoe. 104,936; June 15.
Chéron, Pierre J., Stratford, Conn., assignor to Electric City Box Co., Inc., Buffalo, N. Y. Jewelry display box or similar article. 104,913; June 15.
Christen, Marcel, assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 104,959; June 15.
Christen, Marcel, assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 104,960; June 15.
Christen, Marcel, assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 104,961; June 15.
Coss, George R., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric roaster. 104,914; June 15.
Coss, George R., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric heater. 104,915; June 15.
Cutler, Elizabeth, New York, N. Y. Dress. 104,977; June 15.
Doucette, John J., assignor to The Pedigo Company, St. Louis, Mo. Shoe. 104,962; June 15.
Doucette, John J., assignor to The Pedigo Company, St. Louis, Mo. Shoe. 104,963; June 15.
Doucette, John J., assignor to The Pedigo Company, St. Louis, Mo. Shoe. 104,964; June 15.
Doucette, John J., assignor to The Pedigo Company, St. Louis, Mo. Shoe. 104,965; June 15.
Du Rocher, Lee A., Norco, La. Clock face. 104,916; June 15.
Electric City Box Co. (See Chéron, Pierre J., assignor.)
Evans, Evans G., Cincinnati, Ohio, assignor to Nutone Chimes, Inc., New York, N. Y. Electric chime. 104,937; June 15.
Evans, Evans G., Cincinnati, Ohio, assignor to Nutone Chimes, Inc., New York, N. Y. Electric chime. 104,966; June 15.
Fishman, Jacob, New York, N. Y. Shoe. 104,917; June 15.
Flint & Walling Manufacturing Company. (See Lung, Kenneth R., assignor.)
Frederick, Robert E., New York, N. Y. Shoe. 104,918; June 15.
Frederick, Robert E., New York, N. Y. Shoe. 104,919; June 15.
Frederick, Robert E., New York, N. Y. Slipper. 104,920; June 15.
Frederics, Ernest, Bronxville, N. Y. Hair waving apparatus. 104,921; June 15.
French, Rainsford, Washington, D. C. Vise for piston pins or the like. 104,922; June 15.
Ganz, Paul H., assignor to Prince Matchabelli Perfumery, Inc., New York, N. Y. Combined bottle and stopper. 104,938; June 15.
Gaul, John F., Jr., Clifton, assignor to Botany Worsted Mills, Passaic, N. J. Textile fabric or similar article of manufacture. 104,923; June 15.
General Motors Corporation. (See White, Joe, assignor.)
Gerber Products Company. (See Baker, Kenneth E., assignor.)
Hardwick, Christopher L., Cleveland, Tenn. Stove. 104,967; June 15.
Hauton, Paul S., Atlanta, Ga. Container for mechanical pencil fillers. 104,939; June 15.
Heyman, Oscar, New York, N. Y., assignor to Oscar Heyman and Brothers, Inc. Ring. 104,924; June 15.
Heyman, Oscar, and Brothers, Inc. (See Heyman, Oscar, assignor.)
Hueglin, Herman C., assignor to Airmaster Corporation, Chicago, Ill. Air circulator. 104,940; June 15.
Karst, Clarence E., assignor to The Brunhoff Manufacturing Co., Cincinnati, Ohio. Electric sign. 104,941; June 15.

Karst, Clarence E., assignor to The Brunhoff Manufacturing Co., Cincinnati, Ohio. Electric sign. 104,942; June 15.
Katz, Adolph, New York, N. Y. Brooch pin or similar article. 104,925; June 15.
Kiepe, Henry R., assignor to Baker & Company, Inc., Newark, N. J. Jewelry setting or similar article. 104,926; June 15.
Kolberg, Herbert I., Mount Vernon, assignor to Pioneer Watch Case Company, New York, N. Y. Watchcase. 104,927; June 15.
Koonz, Frederick W., Bernardston, Mass., assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Spoon or similar article. 104,943; June 15.
Kopanski, Roman, assignor to The Ward Products Corporation, Cleveland, Ohio. Automobile roof aerial. 104,968; June 15.
Labrum, Thomas E., New York, N. Y. Shoe. 104,969; June 15.
La Giusa, Rose, New York, N. Y. Dress. 104,978; June 15.
Lathrop, Harvey, Forest Hills, N. Y. Roll-top playing card box. 104,944; June 15.
Levy, Albert E., New York, N. Y. Dress. 104,970; June 15.
Lindemann, A. J., & Hoverson Company. (See Lindemann, Eugene A., assignor.)
Lindemann, Eugene A., assignor to A. J. Lindemann & Hoversen Company, Milwaukee, Wis. Oil stove or analogous article. 104,928; June 15.
Loewy, Raymond G. F., New York, N. Y. Automobile. 104,945; June 15.
Logan, John, Jr., assignor to The Logan-Long Company, Chicago, Ill. Strip shingle. 104,971; June 15.
Logan-Long Company, The. (See Logan, John, Jr., assignor.)
Lo Prete, Salvatore and V., New York, N. Y. Coat. 104,979; June 15.
Lo Prete, Salvatore and V., New York, N. Y. Suit. 104,980; June 15.
Lo Prete, Vincenzs. (See Lo Prete, Salvatore and V.)
Lung, Kenneth R., assignor to Flint & Walling Manufacturing Company, Kendallville, Ind. Windmill. 104,946; June 15.
Mengel, Otto H., assignor to Acme Ring Co., Newark, N. J. Finger ring. 104,947; June 15.
Mickelson, Alfred O., Chicago, Ill. Roofing. 104,948; June 15.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Heater. 104,929; June 15.
Munz, Fred, Jamaica, N. Y. Terrarium or the like. 104,981; June 15.
Nutone Chimes, Inc. (See Evans, Evan G., assignor.)
Pedigo Company, The. (See Doucette, John J., assignor.)
Pettus, Aubrey J., Forest Hills, N. Y. Shoe. 104,930; June 15.
Pioneer Watch Case Company. (See Kolberg, Herbert I., assignor.)
Prince Matchabelli Perfumery, Inc. (See Ganz, Paul H., assignor.)
Rogers, Lunt & Bowlen Company. (See Koonz, Frederick W., assignor.)
Rosen, Isidor S., Brooklyn, N. Y. Gameboard or similar article. 104,972; June 15.
Rother, Louis, Ridgefield Park, N. J., assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 104,949; June 15.
Schulman, Carl, New York, N. Y. Dress. 104,982; June 15.
Schulman, Carl, New York, N. Y. Dress. 104,983; June 15.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Sibal, Joseph C., Glendale, Long Island, assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 104,950; June 15.
Sibal, Joseph C., Glendale, Long Island, assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 104,951; June 15.
Sibal, Joseph C., Glendale, assignor to Yale Fabric Corp., New York, N. Y. Textile fabric or similar article. 104,973; June 15.
Siegel, Louis A., Mount Vernon, N. Y. Lady's coat. 104,984; June 15.
Swartzbaugh Manufacturing Company, The. (See Coss, George R., assignor.)
Tunick, Edward N., New York, N. Y. Dress ensemble. 104,974; June 15.
Turiansky, Abraham, New York, N. Y. Shoe. 104,931; June 15.
Turiansky, Abraham, New York, N. Y. Shoe. 104,932; June 15.
Turiansky, Abraham, New York, N. Y. Bootee. 104,975; June 15.
Turpan, Mark, West New York, N. J. Textile fabric. 104,976; June 15.
Vaughan, Louis K., Woodland, Calif. Safety bathtub. 104,933; June 15.
Ward Products Corporation, The. (See Kopanski, Roman, assignor.)
White, Joe, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Sounding signal. 104,952; June 15.
Whited, Milo, Centralia, Wash. Soap dish. 104,934; June 15.
Yale Fabrics Corp. (See Rother, Louis, assignor.)
Yale Fabrics Corp. (See Christen, Marcel, assignor.)
Yale Fabrics Corp. (See Sibal, Joseph C., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abel, Alf J., Miami, Fla. Accelerator control. 2,083,974; June 15.
Abrahams, Alexander I., New York, N. Y. Electroacoustical translating device. 2,083,537; June 15.
Abramson, Abraham, New York, N. Y., assignor, by mesne assignments, to G. B. G. Corporation, Newark, N. J. Christmas tree lighting device. 2,083,536; June 15.
Adair, Arthur B., Kenilworth, Ill. Cigar tip or mouthpiece. 2,083,769; June 15.
Adams, Herbert L., Washington, D. C. Launching device. 2,083,805; June 15.
Adams, Virgil W., assignor to Consolidated Products Company, Danville, Ill. Milk preheater. 2,083,679; June 15.
Adlake Company, The. (See Verhagen, Christian M., assignor.)
Adler, Charles, Jr., Baltimore, Md. Lamp. 2,084,176; June 15.
Affelder, Harry F., Cleveland Heights, Ohio. Bottle collar. 2,083,538; June 15.
Affelder, Harry F., Cleveland Heights, Ohio. Machine and process for making bottle collars and the like. 2,083,539; June 15.
Agfa Ansco Corporation. (See Momber, Franz, assignor.)
Agfa Ansco Corporation. (See Schulz, Walter, assignor.)
Agfa Ansco Corporation. (See Zeh, Walter, assignor.)
Air Reduction Company, Inc. (See Anderson, James L., assignor.)
Albersheim, Walter J., New York, N. Y., assignor, by mesne assignments, to Western Electric Company Incorporated. Compensating network. 2,084,119; June 15.
Aldham, Thomas E., Providence, R. I. Oil filter. 2,083,546; June 15.
Alexander, Joseph A., assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of oil-wax mixtures. 2,083,547; June 15.
Alexanderson, Ernst F. W., and A. H. Mittag, Schenectady, N. Y., assignors to General Electric Company. Electric power system. 2,084,177; June 15.
All Metal Products Company. (See Brethen, Charles A., assignor.)
Aluminum Company of America. (See Nock, Joseph A., Jr., assignor.)
American Bush Company. (See Rice, Frank E., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Cyanamid & Chemical Corporation. (See Davis, Clarke F., assignor.)
American Cyanamid Company. (See Buchanan, Guy H., assignor.)
American Optical Company. (See Cozzens, Charles O., assignor.)
American Platinum Works. (See Ledig, Kurt K., assignor.)
American Screw Company. (See Clark, Eugene E., assignor.)
American Sheet and Tin Plate Company. (See Moore, Carl E., assignor.)
American Sheet and Tin Plate Company. (See Secrist, Stanley M., assignor.)
American Stay Company. (See Merrick, Frank W., assignor.)
American Steel Foundries. (See Aurien, Ray G., assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Steel and Wire Company of New Jersey, The. (See Febrey, Harold H., assignor.)
American Steel and Wire Company of New Jersey, The. (See Moreira, Salvador, assignor.)
American Stove Company. (See Meacham, B. E., and Lotter, assignors.)
American Telephone and Telegraph Company. (See Fracassi, Renato D., assignor.)
American Telephone and Telegraph Company. (See Potter, Ralph K., assignor.)
American Telephone and Telegraph Company, et al. (See Anderson, E. N., assignor), Bascom, Getz, and Sandalls.)
Ames, Harold T., assignor to The Cord Corporation, Chicago, Ill. Headlight structure. 2,084,120; June 15.
Anderson, Alfred J., and E. C. Keller, Susanville, Calif. Combination machine stand. 2,084,234; June 15.
Anderson, Emil N., Oak Park, Ill., H. M. Bascom, Brooklyn, N. Y., E. L. Getz, Ridgewood, N. J., and G. Sandalls, Jr., North Tarrytown, N. Y.; said Anderson assignor to American Telephone and Telegraph Company; said Bascom, said Getz, and said Sandalls, Jr., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Prepayment telephone system. 2,084,121; June 15.
Anderson, Gilbert V., Philadelphia, Pa., and A. T. Bremser, Westmont, N. J., assignors to Larner Machine Company, Philadelphia, Pa. Internal combustion engine. 2,083,680; June 15.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Tracer apparatus. 2,083,588; June 15.
Anderson, Ray B., Oklahoma City, Okla. Revolving tire sign and cover. 2,083,806; June 15.
Andersson, Carl A. (See Hemlin, J. W., and Andersson.)
Andrews, Albert, Deadwood, S. Dak. Two-cycle engine. 2,083,807; June 15.
Andrews, Albert, Deadwood, S. Dak. Internal combustion engine. 2,083,808; June 15.
Angelica, Patrick R., Secaucus, N. J. Sinker. 2,083,630; June 15.
Angst, Gustave, Lynn, Mass., assignor to General Electric Company. Double-speed synchronous motor. 2,084,178; June 15.
Arden, Thomas R., Baldwin, N. Y., assignor to O. F. Mossberg & Sons, Incorporated, New Haven, Conn. Adjustable peep sight for firearms. 2,083,934; June 15.
Armstrong, Frank H., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Material-breaking apparatus. 2,083,548; June 15.
Armstrong, Frank H., assignor to Safety Mining Company, Chicago, Ill. Material breaking device. 2,083,975; June 15.
Armstrong, Frank H., Chicago, Ill., assignor to Safety Mining Company. Material breaking device. 2,083,976; June 15.
Armstrong, Frank H., Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Blasting cartridge. 2,083,977; June 15.
Armstrong, Frank H., Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Blasting cartridge. 2,083,978; June 15.
Armstrong, Frank H., Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Blasting cartridge. 2,083,979; June 15.
Armstrong, Frank H., Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Blasting cartridge. 2,083,980; June 15.
Armstrong, Frank H., Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Material breaking apparatus. 2,083,981; June 15.
Armstrong, Henry W., Short Beach, Conn., assignor to Joseph Schneider, Incorporated, New York, N. Y. Game. 2,083,540; June 15.
Arnold, Charles B., assignor to Seymour & Peck Co., Chicago, Ill. Container. 2,084,179; June 15.
Arnold, Georgietta, Martinez, Calif. Glove. 2,083,935; June 15.
Arthur, James H., Providence, and F. E. Chace, Pawtucket, R. I., assignors to Rau Fastener Company. Making attaching members. 2,083,589; June 15.
Asch, Abraham B., Jersey City, N. J. Bowl centrifuge. 2,083,809; June 15.
Athens Brick & Tile Company. (See Slaughter, G. M., and Black, assignors.)
Atkins, E. C., and Company. (See Hoppe, Arnold F., assignor.)
Atlantic Refining Company, The. (See Alexander, Joseph A., assignor.)
Atlantic Refining Company, The. (See Roberts, Oscar L., assignor.)
Atlas Bolt & Screw Co., The. (See Schellentrager, Eugene W., assignor.)
Auchterlonie, Alexander J., Grosse Pointe, Mich. Plastic composition and articles and making the same. 2,084,272; June 15.
Auer, László, Budapest, Hungary, assignor to R. Newman, Washington, D. C., as trustee. Manufacture of vulcanized organic isocolloids. 2,083,550; June 15.
Auer, László, Budapest, Hungary, and P. Stamberger, London, England, assignors to J. R. Newman, Washington, D. C., trustee. Manufacture of sulphurized organic isocolloids. 2,083,549; June 15.
Aulbach, Charles J. (See Kronquest, A. L., and Aulbach.)
Aulbach, Charles J., and E. A. Herrig, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Method of coating cans. 2,084,070; June 15.

Aurien, Ray G., assignor to American Steel Foundries, Chicago, Ill. Brake. 2,083,541; June 15.
Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)
Axmun, Bertram. (See Daniels, Herbert F., assignor.)
Ayer, Robert W., assignor, by mesne assignments, to Stinson Aircraft Corporation, Wayne, Mich. Apparatus for controlling airplane elevators. 2,084,122; June 15.
Babb, John D., Pittsburgh, Pa. Portable reservoir. 2,084,236; June 15.
Babcock & Wilcox Company, The. (See Cassidy, Perry R., assignor.)
Backhouse, Headley T., London, England. Sheet detector. 2,083,936; June 15.
Badeker, John, Chicago, Ill. Metallic rod-packing. 2,084,235; June 15.
Baernstein, Malvin A. (See Harth, P. E., and Baernstein.)
Baldwin, Albert D., deceased, Pleasantville, N. Y.; I. B. Baldwin, executrix. Slatted awning and drain. 2,083,681; June 15.
Baldwin, Isabelle B., executrix. (See Baldwin, Albert D.)
Balfe, George T., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich. Gasket. 2,084,054; June 15.
Balinger, Lee O., Lakewood, assignor of two-thirds to W. J. Wesseler, Cleveland, Ohio. Surface cleaning device. 2,083,551; June 15.
Ballard, George, Springfield, Mass. Nonskid device for motor vehicles. 2,083,631; June 15.
Ballou, B. A., & Co. (See Morehouse, Eugene, assignor.)
Balsiger, Harold E., and C. L. Ott, assignors to Landis Tool Company, Waynesboro, Pa. Carriage mounting for grinding machines. 2,083,682; June 15.
Bank, Albert M., assignor to S. Bank, Jersey City, N. J. Upholstery construction. 2,083,810; June 15.
Bank, Albert M., assignor to S. Bank, Jersey City, N. J. Upholstery construction. 2,083,811; June 15.
Bank, Sylvia. (See Bank, Albert M., assignor.)
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Inking mechanism for rotary printing presses. 2,083,542; June 15.
Bardsley, Joseph R., Yonkers, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Loading coil case. 2,084,123; June 15.
Barks, Frank S., assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 2,083,590; June 15.
Barks, Frank S., assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 2,083,591; June 15.
Barrel Fitting & Seal Corporation of America. (See Schwartz, Morris, assignor.)
Barrett Company, The. (See Miller, Stuart P., assignor.)
Barrett, Walter A., Fort Wayne, Ind. Filtering machine. 2,083,812; June 15.
Bartlebaugh, Benjamin C., Wheeling, W. Va. Air conditioning fan. 2,083,813; June 15.
Bartlett, Oscar L., Cairo, Ill. Agitator for stokers. 2,084,237; June 15.
Barton, John W., Cleveland, Ohio. Steam trap. 2,083,770; June 15.
Barton, Loy E., Collingswood, N. J., assignor to Radio Corporation of America. Radio signaling system. 2,084,180; June 15.
Barton, Loy E., Collingswood, N. J., assignor to Radio Corporation of America. Radio signaling system. 2,084,181; June 15.
Bascom, Henry M. (See Anderson E. N., Bascom, Getz, and Sandalls.)
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Unit cylinder clasp brake. 2,084,071; June 15.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,084,072; June 15.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,084,073; June 15.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,084,074; June 15.
Baum, Leo A., Newark, N. J. Garment container. 2,083,543; June 15.
Baumann, Louis P., and L. L. Walker, Houston, Tex. Propeller unit. 2,083,771; June 15.
Bausch & Lomb Optical Company. (See Bissell, Everett S., assignor.)
Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)
Bausch & Lomb Optical Company. (See Burroughs, Kenneth C., assignor.)
Bausch & Lomb Optical Company. (See Forrest, John W., assignor.)
Beach, Fred A., Washington, D. C. Protective device for collapsible tubes. 2,084,273; June 15.
Beach, Irl S., Arkansas City, and J. G. Smith, Winfield, Kans. Basket attachment. 2,084,075; June 15.
Beck, Joseph M., Spokane, Wash. Kettle. 2,083,632; June 15.
Beckett, Harry S., Pitman, N. J., assignor to S K F Industries, Inc., Philadelphia, Pa. Centering arbor. 2,048,124; June 15.
Begg, Russell S., assignor to The Midland Steel Products Company, Cleveland, Ohio. Flexible conduit. 2,083,937; June 15.
Bell Telephone Laboratories, Incorporated. (See Bardsley, Joseph R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ford, Gaylon T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Myers, Oscar, assignor.)
Bell Telephone Laboratories, Incorporated. (See Terry, Donald M., assignor.)
Bell Telephone Laboratories, Incorporated, et al. (See Anderson, E. N., Bascom, Getz, and Sandalls, assignors.)
Beloit Iron Works. (See Berry, Earl E., assignor.)
Belyea, Fred, East Braintree, assignor to Geo. E. Keith Company, Campello, Mass. Shoe. 2,083,938; June 15.
Bence, William J., Kingston, N. Y. Fisherman's bait replacing and line-freezing device. 2,083,814; June 15.
Bender, Max, New York, N. Y., assignor, by mesne assignments, to United Acoustograph Corporation. Recording and reproducing sound. 2,083,815; June 15.
Bendix Brake Company. (See Burton, R. J., and Parker, assignors.)
Benham, Glenn E. (See Hamm, J. R., and Benham.)
Benham, William T., Norwood, Ohio, assignor to The Mosler Lock Company, Inc., Covington, Ky. Electric delayed combination lock. 2,083,816; June 15.
Benjamin, Abraham S., assignor to Teletype Corporation, Chicago, Ill. Station selecting system. 2,083,552; June 15.
Benson, Harry D. (See Paxton, Hale, and G. C., and Benson.)
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Water extracting device for paper machines and making paper. 2,083,817; June 15.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Cylinder paper machine and making paper. 2,083,818; June 15.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Cylinder paper machine and making paper. 2,083,819; June 15.
Bertschinger, Charles F., assignor to The Scovill Manufacturing Company, Waterbury, Conn. Can opening funnel attachment. 2,084,013; June 15.
Best, John A., Augusta, Ga. Card index. 2,084,238; June 15.
Billings, Howard J. (See Stevenson, E. P., and Billings.)
Billstein, Arthur E. F., Altoona, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Electrical tester. 2,084,274; June 15.
Bissell, Everett S., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope filter system. 2,083,820; June 15.
Black, George W. (See Slaughter, G. M., and Black.)
Blackman, John W. B., Long Beach, Calif. Protected pile. 2,083,592; June 15.
Blackman, John W. B., Long Beach, Calif. Making protected piling. 2,083,593; June 15.
Blain, Albert, Philadelphia, assignor to Radio Corporation of America. Tuning dial. 2,084,182; June 15.
Blaw-Knox Company. (See Chandler, Willard P., Jr., assignor.)
Blech, Waldemar, Cleveland, Ohio, assignor to T. G. Gregory. Detergent composition. 2,083,821; June 15.
Blendinger, Mabel C., Milwaukee, Wis. Thumb-guard. 2,084,183; June 15.
Blomberg Martin P., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Top sill. 2,083,553; June 15.
Bock, Louis H., and A. L. Houk, assignors to Röhm & Haas Company, Philadelphia, Pa. Cellulose ethers. 2,083,554; June 15.
Bock, Louis H., and A. L. Houk, assignors to Röhm & Haas Company, Philadelphia, Pa. Cellulose ethers. 2,084,125; June 15.
Bonat, Harry, New York, N. Y. Method and apparatus for permanent waving. 2,083,822; June 15.
Bonat, Harry, New York, N. Y. Apparatus for waving hair. 2,083,823; June 15.
Bond, Harlan A., and C. R. Harris, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of hydrocyanic acid. 2,083,824; June 15.
Borden, Arthur G., Washington, D. C. Medicament holder for nasal inhalers. 2,084,299; June 15.
Bosland, Herman S., Paterson, N. J., assignor to Stein, Hall & Company, Inc., New York, N. Y. Weighting textile materials. 2,083,982; June 15.
Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalic mounting. 2,083,772; June 15.
Boughton, Willis A., Cambridge, and W. R. Mansfield, Boston, assignors to New England Mica Co., Waltham, Mass. Resinous and wax-like reaction products from polyhydric alcohols and boric acid compounds. 2,084,261; June 15.
Boughton, Willis A., Cambridge, and W. R. Mansfield, Boston, assignors to New England Mica Co., Waltham, Mass. Products bonded with the resinous reaction products from polyhydric alcohols and boric acid compounds. 2,084,262; June 15.
Boughton, Willis A., Cambridge, and W. R. Mansfield, Boston, assignors to New England Mica Co., Waltham, Mass. Products bonded with the resinous reaction products from polyhydric alcohols and phosphoric acid compounds. 2,084,263; June 15.

Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Sash for dial scales. 2,083,825; June 15.
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 2,084,184; June 15.
Bowersox, Joseph W., Kansas City, Mo., assignor to Superior Felt and Bedding Company, Spring filled mattress or cushion. 2,083,555; June 15.
Bowman, John E., Buchanan, Mich. Device for supplying moisture to motors. 2,083,683; June 15.
Boyer, Earle G., Philadelphia, Pa., assignor to Hannifin Manufacturing Co., Chicago, Ill. Well strainer. 2,084,185; June 15.
Boynton, Bernice L. (See Grey, R. E., and Boynton.)
Brackett, Tracy F., assignor to General Motors Corporation, Detroit, Mich. Paint spraying machine. 2,083,633; June 15.
Brackett, Tracy F., assignor to General Motors Corporation, Detroit, Mich. Spraying machine. 2,083,634; June 15.
Braden, Rene A., Collingswood, N. J., assignor to Radio Corporation of America. Photocell amplifier. 2,084,186; June 15.
Bradford, Bennie H., Oxford, N. C. Stake. 2,084,239; June 15.
Breeze Corporations, Inc. (See Mascuch, J. J., Gardner, and Flynt, assignors.)
Brehob, Frederick H., Erie, Pa., assignor to General Electric Company. Cooling system for internal combustion engine arrangements. 2,084,187; June 15.
Bremser, Albert T. (See Anderson, G. V., and Bremser.)
Brenner, William F., Idalia, Colo. Dust seal for automotive engines. 2,083,983; June 15.
Brethen, Charles A., assignor to All Metal Products Company, Wyandotte, Mich. Electric lighting system for toys. 2,083,594; June 15.
Breuer Electric Mfg. Co. (See Jonn, Tage G., assignor.)
Brewer, Frederick C., and F. W. Johanet, assignors to Footsure Company, Incorporated, Los Angeles, Calif. Suction cup. 2,084,126; June 15.
Bridgeport Thermostat Company. (See Ward, Marshall H., assignor.)
Bronson, Budd, Cleveland, assignor to The Ohio Rubber Company, Willoughby, Ohio. Flexible covering for automobile running boards. 2,084,014; June 15.
Bronson, Budd, Cleveland, assignor to The Ohio Rubber Company, Willoughby, Ohio. Automobile running board cover securing device. 2,084,015; June 15.
Brown, Collins, et al. (See Ditto, John, assignor.)
Brown Company. (See Richter, George A., assignor.)
Brown, Guy H., Fairmont, Minn. Circuit closing device. 2,084,076; June 15.
Brown, James C., Mount Vernon, assignor to E. Frederics, Inc., New York, N. Y. Hair rinse. 2,084,127; June 15.
Brown, Ned C. L., Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Car retarder for railroads. 2,083,544; June 15.
Brown and Sharpe Manufacturing Company. (See Sizer, Harold S., assignor.)
Brunner, Elmer F., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vehicle wheel mounting. 2,084,077; June 15.
Brush, Alanson P., Detroit, Mich. Internal combustion engine. 2,083,939; June 15.
Buchan, Hugh G., Drexel Hill, Pa., Frank Hartzell, executor of said Buchan, deceased. Transferring and inserting sheets. 2,083,556; June 15.
Buchanan, Gordon, East Orange, N. J., assignor to Pennsylvania Crusher Company, Philadephia, Pa. Jaw crusher. 2,084,188; June 15.
Buchanan, Guy H., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Tree band material. 2,083,984; June 15.
Buckle, Francis W., Glanford Township, Ontario, Canada. Poultry feeder and waterer. 2,084,240; June 15.
Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)
Buffalo Pressed Steel Company. (See Haas, Lucien L., assignor.)
Bulford, Murray N., Pontiac, R. I., assignor to B. B. & R. Knight Corporation. Apparatus for dyeing. 2,084,189; June 15.
Bull, William C., Brooklyn, N. Y. Apparatus for producing laminate glass. 2,084,293; June 15.
Bundy Tubing Company. (See Quarnstrom, Bert L., assignor.)
Burgess, Lothian M. (See Geiger, T. H., and Burgess.)
Burke, Samuel J., Dubuque, Iowa. Rubber coated glove and making the same. 2,083,684; June 15.
Burkhalter, Lloyd, assignor of one-fourth to R. E. Falkinburg, and one-fourth to M. L. Davis, Columbus, Ohio. Grinding or polishing device. 2,083,685; June 15.
Burkhart, Clarence W., Lansdowne, Pa., and W. S. Riggs, Audubon, N. J., assignors to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Making alkali sub-silicates. 2,083,545; June 15.
Burress, John R., Arlington, Tex. Vehicular traffic control signal. 2,083,826; June 15.
Burroughs, Kenneth C., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Abradant supplying device. 2,083,773; June 15.
Burton, Ralph J., and R. B. Parker, Detroit, Mich., assignors to Bendix Brake Company, South Bend, Ind. Vehicle control device. 2,083,940; June 15.
Butler, Cyrus O., and E. G. Guenther, Kingsport, Tenn., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Lubrication of artificial filaments. 2,083,635; June 15.
Byers, John A., and G. C. Carnahan, assignors to James B. Clow & Sons, Chicago, Ill. Valve control for gas burners. 2,083,985; June 15.
Caldwell, Geoffrey D., and L. E. Hood, Claude, Tex. Piston lubricating means. 2,083,636; June 15.
Caldwell, William E., New Rochelle, and E. H. Man, Mamaroneck, N. Y. Slagging furnace. 2,084,190; June 15.
California Fruit Growers Exchange. (See Nedvidek, R. D., and MacRill, assignors.)
Cameron Can Machinery Co. (See Cameron, William, assignor.)
Cameron, William, assignor to Cameron Can Machinery Co., Chicago, Ill. Can tester. 2,083,827; June 15.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,083,686; June 15.
Campbell, Donald J., Spring Lake Township, Ottawa county, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon, Mich. Molding. 2,084,128; June 15.
Campbell, Donald J., Spring Lake Township, Ottawa county, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Crankshaft casting. 2,084,129; June 15.
Campbell, John C., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Sensitive valve mechanism. 2,083,774; June 15.
Campbell, Wyant & Cannon Foundry Company. (See Campbell, Donald J., assignor.)
Canaan, Falc, Heidenheim-on-the-Brenz, Germany. Fluid transmission having a number of fluid circuits. 2,083,828; June 15.
Capper, Arthur M., Emsworth, Pa. Metallurgical furnace. 2,084,241; June 15.
Cardwell-Westinghouse Company. (See Sproul, Donald F., assignor.)
Carew Manufacturing Company. (See Griffin, Courtlandt B., assignor.)
Carnahan, Glen C. (See Byers, J. A., and Carnahan.)
Carpenter, Charles E., Chicago, Ill. Doughnut machine. 2,083,829; June 15.
Carrier Corporation. (See Marshall, Henry H., assignor.)
Carroll, Elbert H. (See Dzierzenga, Frank, assignor.)
Carroll, James J., Detroit, Mich. Metal expanding machine. 2,083,775; June 15.
Carroll, John W., Detroit, Mich. Hydraulic brake system coupler. 2,084,191; June 15.
Carswell, J. M. (See Puckett, Willard M., assignor.)
Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Incandescent lamp and similar device. 2,084,192; June 15.
Cascadden, Earle S., Lapel, Ind. Breaking plow. 2,084,055; June 15.
Cassell, Henry C., Milwaukee, Wis. Phonetic alarm system. 2,084,242; June 15.
Cassidy, Perry R., Short Hills, assignor to The Babcock & Wilcox Company, Newark, N. J. Pulverizer. 2,083,941; June 15.
Cavanagh, Gerald F., Euclid, assignor to The Ohio Rubber Company, Willoughby, Ohio. Cover for automobile running boards and the like. 2,084,016; June 15.
Celanese Corporation of America. (See Major, George D., assignor.)
Celanese Corporation of America. (See Taylor, W. I., and Woodruff, assignors.)
Centrifuge Company, The. (See Duerig, Alfred E., assignor.)
Chace, Frank E. (See Arthur, J. H., and Chace.)
Chase, Henry A., Newtonville, assignor of one-half to L. W. Mustard, Wellesley Hills, Mass. Lifting vehicles having leaf springs. 2,083,942; June 15.
Chandler, Willard P., Jr., assignor to Blaw-Knox Company, Pittsburgh, Pa. Furnace door frame. 2,084,017; June 15.
Chaplow, Bernard A., assignor to Wholesale Lumber & Millwork, Inc., Detroit, Mich. Sash guide and seal. 2,084,130; June 15.
Charles, Kathryn W., Atlanta, Ga. Nursing bottle holder. 2,084,243; June 15.
Chemische Fabrik von Heyden Aktiengesellschaft. (See Gebauer, Rudolf, assignor.)
Chenault, Roy L., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Deep well pump. 2,083,687; June 15.
Cilicon Corporation. (See Maccoy, Frank, assignor.)
Cincinnati Grinders Incorporated. (See Temple, John C., assignor.)
Cincinnati Milling Machine Company, The. (See Campbell, John C., assignor.)
Clack, Charles F., Baltimore, Md., assignor to A. S. Hanger, Washington, D. C. Artificial leg. 2,083,830; June 15.
Clapp, Albert L. (See Novak, I. J., and Clapp.)
Clark, Eugene E., assignor to American Screw Company, Providence, R. I. Making screws. 2,084,078; June 15.

Clark, Eugene E., assignor to American Screw Company, Providence, R. I. Screw. 2,084,079; June 15.
Clark, Frederick P., assignor to International Smelting and Refining Company, East Chicago, Ind. Desilverizing lead bullion. 2,083,892; June 15.
Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Solvent refining mineral oil. 2,083,893; June 15.
Clarren, Harry, New York, N. Y. Massaging device for gums. 2,083,595; June 15.
Clearing Machine Corporation et al. (See Rode, F. J., and Ziska, assignors.)
Clements Mfg. Co. (See Clements, William J., assignor.)
Clements, William J., assignor to Clements Mfg. Co., Chicago, Ill. Bearing guard and oil retriever. 2,083,688; June 15.
Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Age-resister. 2,084,131; June 15.
Clifford Manufacturing Co. (See Clifford, Walter B., assignor.)
Clifford, Paul M., Green Bay, Wis. Fishing reel. 2,083,689; June 15.
Clifford, Walter B., assignor to Clifford Manufacturing Co., Boston, Mass. Producing bellows units. 2,083,943; June 15.
Clow, James B., & Sons. (See Byers, J. A., and Carnahan, assignors.)
Coccia, Anthony. (See Galuppo, L., Petti, and Coccia.)
Cohen, Bernhardt, New York, N. Y. Humidifier. 2,083,690; June 15.
Colalace, Victor V., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Latch for interchangeable lens mounts. 2,083,637; June 15.
Cold Metal Process Company, The. (See Lamb, Howard S., assignor.)
Colprovia Roads, Inc. (See Eberts, A. R., and Johnstone, assignors.)
Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann. (See Petitcolas, Pierre, assignor.)
Connolly, Gerald C., Baltimore, Md., assignor to Sulco Laboratories, Inc., New York, N. Y. Treatment of sulphur compounds. 2,083,894; June 15.
Connolly, Gerald C., Baltimore, Md., assignor to Sulco Laboratories, Inc., New York, N. Y. Catalytic process for the conversion of sulphur compounds. 2,083,895; June 15.
Consolidated Products Company. (See Adams, Virgil W., assignor.)
Continental Can Company. (See Aulbach, C. J., and Herrig, assignors.)
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Continental Can Company. (See Kronquest, A. L., and Aulbach, assignors.)
Cook, Willard G. (See Kenyon, A. F., and Cook.)
Cooper, Kenneth K., Fort Wayne, Ind., assignor to General Electric Company. Check valve. 2,084,294; June 15.
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Controlled atmosphere furnace construction. 2,083,638; June 15.
Cord Corporation, The. (See Ames, Harold T., assignor.)
Cornelius, Richard T., Minneapolis, Minn. Flow regulating device. 2,083,639; June 15.
Corsi, Nicholas, Brooklyn, N. Y. Machine for molding rods. 2,083,986; June 15.
Costello, Johnny, Represa, Calif. Nonrefillable charred wood liquor bottle. 2,084,056; June 15.
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Cottrell, Sylvester P., Buffalo, N. Y. Brake setting apparatus. 2,083,944; June 15.
Couch, Henry R., and J. H. Folwell, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic stripping film. 2,083,640; June 15.
Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Connecting means. 2,083,831; June 15.
Crane, Paul W., Montclair, and R. T. Fields, Arlington, N. J., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Extrusion apparatus. 2,083,557; June 15.
Crenshaw, Thomas C., Chicago, Ill. Direction signal control. 2,084,132; June 15.
Crick, Thomas, assignor to Independence Stove & Furnace Company, Independence, Mo. Furnace. 2,083,641; June 15.
Critz, Frank A., West Point, Miss. Fluid-brake. 2,084,244; June 15.
Cunningham, George L., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Producing alkali metal peroxide. 2,083,691; June 15.
Daniels, Herbert F., assignor of one-half to B. Axman, Seattle, Wash. Oil burner. 2,083,832; June 15.
Danzer, Catherine, et al, executors. (See Lederer, Anton.)
D'Auharède, Paul C. A. M., Saint-Genis-Laval, France. Engine mounting. 2,084,080; June 15.
Davis, Clarke F., Short Hills, N. J., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Slab and building construction. 2,083,987; June 15.
Davis, John V. (See Dixon, A. L., and Davis.)
Davis, Maynard L., et al. (See Burkhalter, Lloyd, assignor.)
Dawley, Lester W., et al. (See McClanahan, Effie, assignor.)
Dayvolt, Henry E., assignor of one-half to C. F. Lautenslager, Evansville, Ind. Hydraulic brake. 2,084,295; June 15.
Dean, Edmund W., assignor to Duplex Printing Press Company, Battle Creek, Mich. Plate finishing and trimming machine. 2,083,898; June 15.
Deere & Company. (See Neighbour, Lonard B., assignor.)
De Golyer, Anthony G., New York, N. Y., assignor to Vulcan Alloy Corporation. Weld rod. 2,084,275; June 15.
Dellagola, Samuel. (See Napolis, J., and Dellagola.)
De Mott, George L. (See Evans, Earl R., assignor.)
Denning, Paul S., assignor to F. E. Schundler & Company, Inc., and to The Illinois Clay Products Company, Joliet, Ill. Manufacture of cementitious insulating compositions from vermiculite. 2,084,276; June 15.
Derry, Gardner C., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Fan. 2,083,833; June 15.
De Simo, Martin. (See Steck, L. V., Engs, and de Simo.)
Detroit Edison Company, The. (See Wyatt, Kenneth S., assignor.)
Detroit Gasket & Mfg. Co. (See Balfe, George T., assignor.)
Diamantides, Diamond N., Massillon, Ohio. Ship raising device. 2,084,246; June 15.
Dickson, Earle E., assignor to Johnson & Johnson, New Brunswick, N. J. Wrapped rolled surgical dressing. 2,084,264; June 15.
Di Iorio, Matteo, Plainfield, N. J. Rabat. 2,083,712; June 15.
Ditto, John, assignor of one-fourth to C. Brown, and one-fourth to C. E. Duncan, Herrin, Ill. Clothespin or the like. 2,083,642; June 15.
Dixon, Alfred L., Hollywood, Ill., and J. V. Davis, Daphne, Ala., assignors to Western Electric Company, Incorporated, New York, N. Y. Producing magnetic materials. 2,084,133; June 15.
Dobrowolny, Josef, Vienna, Austria. Rail joint. 2,084,286; June 15.
Dockray, Charles J. and H. J., Zanesville, Ohio. Making chilled metal mold castings. 2,084,247; June 15.
Dockray, Harry J. (See Dockray, Charles J. and H. J.)
Doehler Die Casting Company. (See Harrison, George, Jr., assignor.)
Donley, Raymond, Sr., Plymouth Meeting, Pa. Cellular heat insulation pipe covering. 2,083,596; June 15.
Dorph, Kurt W. F., and M. C. Taylor, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Production of ferric chloride. 2,083,692; June 15.
Dougherty, Glenn O. (See Hovious, L., and Dougherty.)
Drake, Harcourt C., Hempstead, and A. Winburn, assignors to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 2,083,896; June 15.
Dreyfus, Henry, London, England. Production of aliphatic alcohols and esters. 2,083,693; June 15.
Dreyfus, Henry, London, England. Manufacture of artificial materials. 2,083,694; June 15.
Drohan, John T., Cambridge, Mass. Last jack. 2,083,897; June 15.
Duerig, Alfred E., Haddonfield, assignor to The Centrifuge Company, East Orange, N. J. Apparatus for centrifugal separation. 2,083,899; June 15.
Dull, Raymond W., La Grange, Ill., assignor to Safety Mining Company. Blasting method and apparatus. 2,083,695; June 15.
Dull, Raymond W., La Grange, Ill., assignor to Safety Mining Company. Blasting method and apparatus. 2,083,696; June 15.
Dull, Raymond W., La Grange, Ill., assignor to Safety Mining Company. Apparatus for breaking material. 2,083,697; June 15.
Duncan, C. E., et al. (See Ditto, John, assignor.)
Dunkerke, Thomas O., Farmingdale, N. Y. Twine package. 2,084,134; June 15.
Duplate Corporation. (See Sherts, James H., assignor.)
Dupler, Raymond R., Toledo, Ohio. Globe. 2,083,988; June 15.
Duplex Printing Press Company. (See Dean, Edmund W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bond, H. A., and Harris, assignors.)
Du Pont, E. I., de Nemours & Company. (See Crane, P. W., and Fields, assignors.)
Du Pont, E. I., de Nemours & Company. (See Scott, Norman D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Scott, N. D., Walker, and Hansley, assignors.)
Du Pont, E. I., de Nemours & Company. (See Vinal, Leroy W., assignor.)
De Pont, E. I., de Nemours & Company. (See Wexler, Louis, assignor.)
Džierženga, Frank, Brooklyn, N. Y., assignor, by mesne assignments, to E. H. Carroll, Worcester, Mass., Cord lock for window shades. 2,084,265; June 15.

THE LIBRARY OF ATLANTA

Eagle, Arthur A., et al. (See Grosser, Stephen A., assignor.)
Eastman Kodak Company. (See Butler, C. O., and Guenther, assignors.)
Eastman Kodak Company. (See Colalace, Victor V., assignor.)
Eastman Kodak Company. (See Couch, H. R., and Folwell, assignors.)
Eastman Kodak Company. (See Fuller, Albert B., assignor.)
Eastman Kodak Company. (See Reid, Marvin J., assignor.)
Eastman Kodak Company. (See Schubert, Alvin E., assignor.)
Eastman Kodak Company. (See Seymour, Merrill W., assignor.)
Eastman Kodak Company. (See Ville, Joseph C., assignor.)
Eastman Kodak Company. (See Zelger, Georges E., assignor.)
Ebberts, Alfred R., and E. Johnstone, assignors to Colprovia Roads, Inc., New York, N. Y. Pavement and making pavements. 2,083,900; June 15.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method and apparatus for dehydrating petroleum. 2,083,801; June 15.
Edelman, Irving, New York, N. Y. Collapsible model display device. 2,083,597; June 15.
Edelmann, E., & Co. (See Schulz, George, assignor.)
Edwards, George N., assignor to The Ohio Rubber Company, Willoughby, Ohio. Running board cover. 2,084,018; June 15.
Edwards, George N., assignor to The Ohio Rubber Company, Willoughby, Ohio. Running board. 2,084,019; June 15.
Effront, Ivan A., Seclin, France, assignor to Standard Brands Incorporated, New York, N. Y. Preparation of highly enzymatic yeast. 2,083,598; June 15.
Ehrmeyer, John N., Chicago, Ill. Moving picture sound head. 2,083,558; June 15.
Eisenhardt, Frank J., Warsaw, Ind., assignor to Hoof-Brake Corporation. Brake. 2,083,989; June 15.
Electric Furnace Company, The. (See Cope, Frank T., assignor.)
Electronic Television Company. (See Henroteau, Francois C. P., assignor.)
Elliott, Harry A., Jefferson, Iowa. Pretzel making machine. 2,084,193; June 15.
Enameled Metals Company. (See McIlroy, Peter, assignor.)
Endres, Herbert A., Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Cooked varnishes. 2,084,020; June 15.
Engelbertz, William H., Pittsburgh, Pa. Push bench method and apparatus. 2,083,698; June 15.
England, William E., assignor to The Ohio Rubber Company, Willoughby, Ohio. Cover for running boards and the like. 2,084,021; June 15.
Engs, William. (See Steck, L. V., Engs, and de Simo.)
Enstis, Grant B., Englewood, N. J., assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y. Carbon black sack. 2,084,296; June 15.
Evans Case Company. (See Reilly, Alfred F., assignor.)
Evans, Earl R., assignor to G. L. De Mott, Washington, D. C. Apparatus for indicating velocity. 2,083,945; June 15.
Evans, Theodore. (See Moravec, R. Z., Evans, and Humphreys.)
Faber, Herbert A., assignor to The Formica Insulation Company, Cincinnati, Ohio. Decorative laminated product and manufacture. 2,084,081; June 15.
Fairbanks, E. and T., and Company. (See Bousfield, Alfred, assignor.)
Fairbanks, E. and T., and Company. (See Ward, Willard H., assignor.)
Falkinburg, Ray E., et al. (See Burkhalter, Lloyd, assignor.)
Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Selective coupling circuits. 2,083,901; June 15.
Febrey, Harold H., South Orange, N. J., assignor to The American Steel and Wire Company of New Jersey, New York, N. Y. Rail bond. 2,083,946; June 15.
Fellom, Roy, San Francisco, Calif. Wheeled earth grader and carrier. 2,083,643; June 15.
Ferguson, Alexander D., Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Blasting cartridge. 2,083,699; June 15.
Ferguson, Thomas G., Windsor, Ontario, Canada, assignor to O. L. Smith, T. G. Ferguson, and A. J. Stock, a limited partnership doing business as The Sani-Draft Pump Company, Detroit, Mich. Liquid dispensing apparatus. 2,083,776; June 15.
Ferrari, Abele, C. Rafanelli, and M. Scalione, Healdsburg, Calif. Valve. 2,084,248; June 15.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 2,083,902; June 15.
Fields, Reuben T. (See Crane, P. W., and Fields.)
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying pressure to shoe bottoms. 2,083,777; June 15.
First National Bank in Bartlesville, The, administrator. (See Fitch, Louis H., Jr.)
Fitch, Louis H., Jr., deceased, Bartlesville, Okla.; The First National Bank in Bartlesville administrator, assignor to Phillips Petroleum Company. Polymerizing olefin hydrocarbons. 2,084,082; June 15.
Fitz Gerald, William G., Tarrytown, N. Y. Tire chain. 2,083,903; June 15.
Floro, Albert, and A. G. Sabol, assignors to The Reuter Organ Company, Lawrence, Kans. Organ action magnet. 2,083,644; June 15.
Flynn, John N. (See Guthoff, M., Flynn, and Smith.)
Flynt, Louis W. G. (See Mascuch, J. J., Gardner, and Flynt.)
Folwell, John H. (See Couch, H. R., and Folwell.)
Food Machinery Corporation. (See Paxton, Hale, assignor.)
Food Machinery Corporation. (See Paxton, Hale and G. C., and Benson, assignors.)
Footsure Company. (See Brewer, F. C., and Johanet, assignors.)
Force, William A., III. (See Muller, William F., assignor.)
Ford, Gaylon T., Pequannock, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier circuits. 2,084,135; June 15.
Formica Insulation Company, The. (See Faber, Herbert A., assignor.)
Forrest, Henry O., Teaneck, and L. Van Horn, Elizabeth, N. J., assignors to Standard Oil Company, Chicago, Ill. Propane dewaxing. 2,083,700; June 15.
Forrest, John W., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Refractometer. 2,083,778; June 15.
Fouquet, Walter, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Protective system for rectifiers. 2,083,701; June 15.
Fox, Alexander P., University City, assignor to Lincoln Engineering Company, St. Louis, Mo. Swivel joint. 2,083,599; June 15.
Fox, William J., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa. Surgical appliance. 2,083,904; June 15.
Fracassi, Renato D., Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company, Transmission system. 2,083,645; June 15.
Frank, Edward D., Cincinnati, Ohio, assignor to The National Automatic Tool Company, Richmond, Ind. Tapping machine. 2,084,022; June 15.
Frank, Louis, assignor of one-half to F. F. Malone, Los Angeles, Calif. Fruit and vegetable core extractor. 2,084,194; June 15.
Frank, Paul A. (See White, John W., assignor.)
Franzen, Karl A., Solingen, Germany. Trunk lock. 2,083,702; June 15.
Frary, Eugene E., assignor, by mesne assignments, to G. Marsden, Los Angeles, Calif. Dispensing machine. 2,083,779; June 15.
Frederics, E., Inc. (See Brown, James C., assignor.)
Freeman-Daughaday Company. (See Schupbach, Rene M., assignor.)
French, Ethel Q. (See French, Louis O., assignor.)
French, Louis O., assignor to E. Q. French, Milwaukee, Wis. Fuel injector. 2,084,057; June 15.
Frey, Will, Eunice, La. Swivel tool. 2,084,249; June 15.
Frezieres, Bertrand O., Colorado Springs, Colo. Surgical instrument. 2,084,195; June 15.
Friedli, Gerard, et al. (See Strahm, André, assignor.)
Fritz-Cross Company. (See Goenen, Leo E., assignor.)
Fritze, Albrecht, Arnswalde, Germany. Production of starch. 2,084,250; June 15.
Fuchs, Bernhard, Hohen-Neuendorf, assignor to Telephon-Apparat Fabrik E. Zwietusch and Company, Berlin, Germany. Measuring device. 2,083,990; June 15.
Fuller, Albert B., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Motor drive for motion picture cameras. 2,083,646; June 15.
Furber, Henry J., Miami, Fla. Automatic sales system. 2,083,947; June 15.
Furnaslave, Inc. (See Hitchcock, Forrest L., assignor.)
G. B. G. Corporation. (See Abramson, Abraham, assignor.)
Gabriel Steel Company. (See Zabriskie, William F., assignor.)
Galter, Jack, Chicago, Ill. Lighter. 2,084,196; June 15.
Galuppo, Louis, J. Petti, and A. Coccia, Cleveland, Ohio. Tunneling machine. 2,083,834; June 15.
Gardner, Frank G. (See Mascuch, J. J., Gardner, and Flynt.)
Gary, Wright W., Great Neck, N. Y., assignor to Gasoline Products Co., Inc., Newark, N. J. Apparatus for heating hydrocarbon fluids. 2,084,277; June 15.
Gasoline Products Co. (See Gary, Wright W., assignor.)
Gay, Azel, assignor to Multipost Co., Rochester, N. Y. Count registering mechanism. 2,083,835; June 15.
Gebauer, Rudolf, Dresden, assignor to Chemische Fabrik von Heyden Aktiengesellschaft, Radebul, near Dresden, Germany. Barbituric acid containing in the 5-position a pyridine group and preparing the same. 2,084,136; June 15.
Geiger, Theodore H., New York, N. Y., and L. M. Burgess, Shrewsbury, Mass., assignors to Tung Oil Products, Inc., Newark, N. J. Bodied tung oil and making the same. 2,084,137; June 15.

Geller, Hugo, assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y. Adjustable curtain. 2,083,991; June 15.
General Aniline Works Inc. (See Schirm, Erik, assignor.)
General Aniline Works, Inc. (See Winter, C., and Krebs, assignors.)
General Aniline Works, Inc. (See Zerwick, W., and Hechtenberg, assignors.)
General Aniline Works, Inc. (See Zerwick, W., and Korten, assignors.)
General Electric Company. (See Alexanderson, E. F. W., and Mittag, assignors.)
General Electric Company. (See Angst, Gustave, assignor.)
General Electric Company. (See Brehob, Frederick H., assignor.)
General Electric Company. (See Cartun, Paul O., assignor.)
General Electric Company. (See Cooper, Kenneth K., assignor.)
General Electric Company. (See Knight, James L., assignor.)
General Electric Company. (See La Roque, Harold B., assignor.)
General Electric Company. (See Mittag, Albert H., assignor.)
General Electric Company. (See Peck, Caid H., assignor.)
General Electric Company. (See Thiemer, Erwin, assignor.)
General Electric Company. (See Venzke, Walter P., assignor.)
General Electric Company. (See Volkers, Walter, assignor.)
General Motors Corporation. (See Brackett, Tracy F., assignor.)
General Motors Corporation. (See House, Gilbert K., assignor.)
General Motors Corporation. (See Kull, W. A., and Rasmussen, assignors.)
General Motors Corporation. (See Madlé, Alain, assignor.)
General Motors Corporation. (See Olley, Maurice, assignor.)
General Motors Corporation. (See Schutt, Arthur J., assignor.)
General Motors Corporation. (See Youngren, Harold T., assignor.)
General Railway Signal Company. (See Brown, Ned C. L., assignor.)
General Railway Signal Company. (See Field, Oscar S., assignor.)
General Railway Signal Company. (See Powell, Winfred T., assignor.)
General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
George, Richard M., and L. J. Lalli, assignors of one-sixth to R. Ullman, and one-sixth to P. Ullman, Jr., Buffalo, N. Y. Musical instrument. 2,084,266; June 15.
Gesell, Carlos L., Buenos Aires, Argentina. Weighing scale. 2,083,948; June 15.
Getz, Charles H., East Cleveland, assignor to The Ohio Rubber Company, Willoughby, Ohio. Running board cover. 2,084,023; June 15.
Getz, Charles H., East Cleveland, assignor to The Ohio Rubber Company, Willoughby, Ohio. Cover for running boards and the like. 2,084,024; June 15.
Getz, Charles H., East Cleveland, assignor to The Ohio Rubber Company, Willoughby, Ohio. Cover for running boards and the like. 2,084,025; June 15.
Getz, Emil L. (See Anderson, E. N., Bascom, Getz, and Sandalls.)
Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,083,780; June 15.
Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical rectifier. 2,083,647; June 15.
Glade, George H., Jr., Chicago, Ill. Electrical conductor terminal device. 2,083,836; June 15.
Glasner, Rudolph W., et al. (See Rode, F. J., and Ziska, assignors.)
Goecke, Rudolph F., Elyria, Ohio, assignor to The Pfaudler Co., Rochester, N. Y. Liquid treating apparatus. 2,083,837; June 15.
Goenen, Leo E., assignor to Frits-Cross Company, St. Paul, Minn. Chair. 2,083,838; June 15.
Goldis, Feodor, Madrid, Spain. Hatching implement. 2,084,083; June 15.
Gordon, Hiram, Columbus, Ohio, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe heel attachment. 2,083,559; June 15.
Gorke, Herbert, Leverkusen-I. G. Werk, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparation of alkali metal hydroxide solutions. 2,083,648; June 15.
Goss, Harry T. (See Lolley, W. H., and Goss.)
Gottschalk, Victor H., Reedsville, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Edge grinding machine. 2,084,138; June 15.
Grab, Carl, Ludwigshafen, Germany. Air moistener. 2,083,905; June 15.
Grant, John. (See White, Harry C., assignor.)
Granel, Ernest H., Perkasie, Pa., assignor to United States Gauge Company, New York, N. Y. Differential gauge. 2,083,949; June 15.
Gray, John E. (See Lindquist, D. E., Gray, and Rader.)
Greer, Frank H., assignor of one-half to J. M. Potter, Akron, Ohio. Can construction. 2,084,084; June 15.
Greer Steel Company. (See Nyberg, Stone, assignor.)
Gregory, Thurlow G. (See Blech, Waldemar, assignor.)
Gregory, Thurlow G. (See New, Gustave A., assignor.)
Grey, Ralph E., and B. L. Boyton, Osborn, Ohio. Pump. 2,083,560; June 15.
Grieve, Maurice, New York, N. Y. Support. 2,083,839; June 15.
Griffin, Courtlandt B., Longmeadow, assignor to Carew Manufacturing Company, South Hadley Falls, Mass. Apparatus for and method of deckling paper. 2,084,278; June 15.
Grimm, Charles, Brooklyn, N. Y. Clutch mechanism. 2,083,906; June 15.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,083,561; June 15.
Grosser, Alois A., et al. (See Grosser, Stephen A., assignor.)
Grosser, Stephen A., assignor of one-third to A. A. Grosser, one-third to A. A. Eagle, and one-third to C. J. Kesselring, Rochester, N. Y. Coin controlled apparatus. 2,084,197; June 15.
Groves, Eugene G., Denver, Colo. Building construction. 2,083,781; June 15.
Grubb, William B., Sr., Ventnor, N. J., assignor of one-half to W. White, Brooklyn, N. Y. Combination lock. 2,083,782; June 15.
Grumbacher, Walter, New York, N. Y. Spirally-bound sheaf and sheaf device. 2,083,703; June 15.
Guba, Emil F., Waltham, Mass. Method and apparatus for vaporizing sulphur and other fungicidal and insecticidal substances. 2,083,950; June 15.
Gubisch, Erwin A., assignor to Teletype Corporation, Chicago, Ill. Magnifying system. 2,083,600; June 15.
Guenther, Edgar G. (See Butler, C. O., and Guenther.)
Gulf Oil Corporation. (See McAfee, Aimer McD., assignor.)
Gulf Oil Corporation. (See McAfee, A. McD., and Tryon, assignors.)
Gulf Research & Development Company. (See Chenault, Roy L., assignor.)
Gurwick, Irving, Mount Vernon, Ohio, assignor, by mesne assignments, to Shellmar Products Company, Chicago, Ill. Transparent printed wrapper and making the same. 2,084,026; June 15.
Guthoff, Max, J. N. Flynn, and H. L. Smith, Cleveland, Ohio. Hydraulic brake. 2,083,951; June 15.
Haas, Lucien L., assignor to Buffalo Pressed Steel Company, Buffalo, N. Y. Muffler. 2,083,840; June 15.
Haberfeld, Erwin O., Berlin-Weissensee, Germany. Bookkeeping leaf. 2,083,601; June 15.
Haegele, Otto P., assignor to Streeter-Amet Company, Chicago, Ill. Weighing apparatus. 2,083,783; June 15.
Haislip, Albert S., Fredericksburg, Va. Fishing line drier. 2,084,251; June 15.
Hall Brothers, Inc. (See Johntz, Margaret L., assignor.)
Hall, Edwin J., et al. (See Napier, James A. T., assignor.)
Hall, Harold A., Los Gatos, Calif. Propeller. 2,083,992; June 15.
Hall, Harold A., Los Gatos, Calif. Propeller blade. 2,083,993; June 15.
Hall, Harold P., and A. T. Hartwick, Seattle, Wash. Bulk food dispenser. 2,083,704; June 15.
Hall, Hugh J., et al. (See Napier, James A. T., assignor.)
Hall, Lewis W., Wynne, Ark. Road measuring apparatus. 2,083,841; June 15.
Hallenberg, Nils C., Chicago, Ill. Automobile indicator. 2,084,252; June 15.
Hamm, John R., Centerville, Iowa, and G. E. Benham, Kansas City, Kans. Coal breaker. 2,084,139; June 15.
Handley Brown Heater Company. (See Handley, William J., assignor.)
Handley, William J., assignor to Handley Brown Heater Company, Jackson, Mich. Apparatus for heating liquids with fluid fuel. 2,084,287; June 15.
Hanger, Albert S. (See Clack, Charles F., assignor.)
Hannifin Manufacturing Co. (See Boyer, Earle G., assignor.)
Hansley, Virgil L. (See Scott, N. D., Walker, and Hansley.)
Harbert, Victor H., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brake hanger retaining means. 2,083,784; June 15.
Harper, Philip S., Chicago, Ill. Gas burner assembly. 2,083,602; June 15.
Harrigan, William, Rutherford, N. J., assignor to The Texas Company, New York, N. Y. Method and apparatus for regulating carburetor mixtures. 2,083,907; June 15.
Harrington, James. (See Palmer, H. W. S., and Harrington.)
Harris, Allyn, Chicago, Ill., assignor to Safety Mining Company. Blasting device. 2,083,705; June 15.
Harris, Allyn, Wheaton, Ill., assignor to Safety Mining Company. Blasting apparatus. 2,083,706; June 15.
Harris, Allyn, Wheaton, Ill., assignor to Safety Mining Company. Blasting cartridge. 2,083,707; June 15.
Harris, Charles R. (See Bond, H. A., and Harris.)
Harris, Morton, Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company. Hydroxychlorodiphenyl derivatives. 2,084,027; June 15.

Harrison, George, Jr., assignor to Doehler Die Casting Company, Toledo, Ohio. Radiator grille. 2,083,785; June 15.
Hart, Frederick A., Stamford, Conn., assignor to Remington-Rand, Inc., Buffalo, N. Y. Accounting machine. 2,083,994; June 15.
Harttford-Empire Company. (See Wadman, Harold A., assignor.)
Harth, Philip E., and M. A. Baernstein, assignors to National Pigments and Chemical Company, St. Louis, Mo. Making iron castings. 2,083,562; June 15.
Hartwick, Arthur T. (See Hall, H. P., and Hartwick.)
Hartzell, Forest H., Dayton, Ohio. Card case. 2,084,085; June 15.
Hartzell, Frank (executor). (See Buchan, Hugh G.)
Harwick, Paul M., New York, N. Y. Collapsible tube expeller. 2,083,603; June 15.
Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Refrigerator car door. 2,083,708; June 15.
Haswell, Arthur B., Birmingham, Ala. Rail fastening. 2,083,952; June 15.
Hata, Sahachiro, K. Matsumura, and K. Ishihara, Tokyo, Japan. Preparing 9-amino-3,6-dimethoxy-10-methylacridinium chlorides. 2,083,908; June 15.
Hay, Peter, Monterey, Calif. Golf glove. 2,083,604; June 15.
Hayward, Henry E., Indianapolis, Ind., assignor to Safety Mining Company. Blasting device. 2,083,709; June 15.
Hearne, Robert J., New York, N. Y. Pinking machine. 2,083,909; June 15.
Hechtenberg, Wilhelm. (See Zerweck, W., and Hechtenberg.)
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Unit cylinder drum brake. 2,083,910; June 15.
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Spring plankless truck. 2,084,028; June 15.
Heglar, George L., Almira, Wash. Air cleaner. 2,083,649; June 15.
Heidt, Alexander J. (See Ribble, C. H., and Heidt.)
Hemlin, Johan W., Stockholm, and C. A. Andersson, Sundsvall, Sweden. Liner for type slug casting machines. 2,083,911; June 15.
Henkel & Cie, Gesellschaft mit beschränkter Haftung. (See Hintermaier, Anton, assignor.)
Henning, Bruno W., San Francisco, Calif. Coupling device. 2,083,842; June 15.
Henroteau, Francois C. P., assignor to Electronic Television Company, Limited, Ottawa, Ontario, Canada. Television. 2,083,995; June 15.
Hercules Powder Company. (See Osterhof, Arthur L., assignor.)
Herrig, Earl A. (See Aulbach, C. J., and Herrig.)
Hetherington, John, assignor to Princeton Worsted Mills, Inc., Trenton, N. J. Sideline eliminator for automatic looms. 2,084,140; June 15.
Heubeck, George F., Baltimore, Md. Smoking apparatus. 2,083,953; June 15.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic slack adjuster. 2,083,710; June 15.
Heyer, Benjamin F. W., Belleville, N. J. Battery testing apparatus. 2,084,086; June 15.
Heywood-Wakefield Company. (See Klar, Elof P., assignor.)
Hibbert & Buckland Limited. (See Meadows, Charles H., assignor.)
Hicks, Ellis W., Dallas, Tex. Cracker dispenser. 2,083,843; June 15.
Hicks, Frederick T., Cleveland Heights, assignor of one-half to K. M. Waddell, Toledo, Ohio. Ignition system. 2,084,267; June 15.
Hicks, Robert S. (See Leffler, Landreth, assignor.)
Hill, Thomas, and C. P. Lucas, New York, N. Y. Orthodontic mold appliance. 2,083,563; June 15.
Hill, William H., Halifax, England. Brick or the like. 2,084,141; June 15.
Hilton, Jesse G., Mena, Ark. Carburetor attachment. 2,083,650; June 15.
Hintermaier, Anton, assignor to the firm Henkel & Cie, Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany. Production of sulphonates of tertiary alcohols. 2,084,253; June 15.
Hitchcock, Forrest L., Indianapolis, Ind., assignor to Furnaslave, Inc. Draft damper. 2,083,844; June 15.
Hoal, James T., Corpus Christi, Tex. Lens for headlights. 2,084,254; June 15.
Hochstim, Samuel, Hudson, N. Y. Dispenser. 2,084,029; June 15.
Hoe, R., & Co. (See Turrall, George, assignor.)
Hofstetter, Clarence F., Missoula, Mont. Fuse for bombs. 2,083,564; June 15.
Hogue, John W. (See Richardson, C. G., and Hogue.)
Hokenson, Herman E. (See Jerner, G. G., and Hokenson.)
Hood, Lonnie E. (See Caldwell, G. D., and Hood.)
Hoof-Brak Corporation. (See Eisenhardt, Frank J., assignor.)
Hookless Fastener Company. (See Norton, Samuel H., assignor.)
Hookless Fastener Company. (See Sundback, Gideon, assignor.)
Hoppe, Arnold F., assignor to E. C. Atkins and Company, Indianapolis, Ind. Combined electrically and hydraulically controlled valve. 2,084,030; June 15.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Suction operated accessory system. 2,084,142; June 15.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container and reclosure. 2,083,565; June 15.
Houde Engineering Corporation. (See Smith, Frederick A., assignor.)
Houk, Alva L. (See Bock, L. H., and Houk.)
House, Gilbert K., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Brake adjustment. 2,083,651; June 15.
Hovious, Lynette, and G. O. Dougherty, Los Angeles, Calif. Hairpin. 2,083,845; June 15.
Hughes, Peter F., Jr., Rahway, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Tape-drawing arrangement. 2,084,031; June 15.
Hummel, Johann N., Berlin, Germany, assignor to firm Seismos G. m. b. H., of Hannover. Process for inspecting the ground. 2,084,143; June 15.
Humphreys, Cecil. (See Moravec, R. Z., Evans, and Humphreys.)
Huyck, Ansel B., Great Neck, N. Y. Gas producer, 2,083,711; June 15.
Hydraulic Brake Company. (See Bowen, Heebert C., assignor.)
Hynd, Alexander, Chicago, Ill. Furnace bridge wall. 2,083,846; June 15.
I. G. Farbenindustrie Aktiengesellschaft. (See Gorke, Herbert, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schiller, G., and Wietzel, assignors.)
Illinois Clay Products Company, The, et al. (See Denning, Paul S., assignor.)
Illinois Railway Equipment Company. (See Harbert, Victor H., assignor.)
Independence Stove & Furnace Company. (See Crick, Thomas, assignor.)
Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping machine. 2,084,279; June 15.
Industrial Patents Corporation. (See Walter, Charles T., assignor.)
Industrial Patents Corporation. (See Williams, Beverly E., assignor.)
International Harvester Company. (See Johnson, A. E. W., and Mitchell, assignors.)
International Smelting and Refining Company. (See Clark, Frederick P., assignor.)
Iocca, Sam, Highland Park, N. J. Cloth laying device. 2,084,144; June 15.
Irujo, Antonio de A. e, Pamplona, Spain. Antiglare illumination apparatus. 2,084,245; June 15.
Ishihara, Kiyoyuki. (See Hata, S., Matsumura, and Ishihara.)
Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)
Ives, Clifford A., Minneapolis, Minn. Refrigerating apparatus on trucks. 2,084,032; June 15.
Jackson, Walter C., Rahway, N. J., assignor to Tingley-Reliance Rubber Corporation. Automobile fender clamp. 2,084,087; June 15.
Jackson, Wharton. (See Kratz, G. D., and Jackson.)
Jenkins, Russell L., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Dichlorohydroxydiphenyl. 2,084,033; June 15.
Jenkins, Russell L., Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company. 4-Aminodiphenyl compounds. 2,084,034; June 15.
Jerner, Geron G., and H. E. Hokenson, Lake Forest, Ill. Garden tool. 2,083,786; June 15.
Jertberg, Paul E., Glendale, Calif. Water closet. 2,083,605; June 15.
Jobe, John J., Springfield, Ill. Marker. 2,084,088; June 15.
Johanet, Frederick W. (See Brewer, F. C., and Johanet.)
Johansson, Ernest G., Watertown, assignor to The Palmer Electric & Manufacturing Co., Waltham, Mass. Solderless connecter lug. 2,083,606; June 15.
Johns-Manville Corporation. (See Wells, Edward H., Jr., assignor.)
Johnson, Alexander, Jamestown, N. Y. Fire alarm system. 2,084,198; June 15.
Johnson, Arnold E. W., Chicago, Ill., and J. I. Mitchell, Auburn, N. Y., assignors to International Harvester Company. Picker arm for potato planters. 2,083,713; June 15.
Johnson, Carl W., Sheridan, Wyo. Squeeze gate. 2,084,255; June 15.
Johnson, Charles W., South Attleboro, Mass., assignor to Sadler Bros. Inc. Ophthalmic mounting. 2,084,199; June 15.
Johnson & Johnson. (See Dickson, Earle E., assignor.)
Johnson, Orlando B., Boise, Idaho. Centrifugal force air pump wheel. 2,083,847; June 15.
Johnstone, Edmund. (See Ebberts, A. R., and Johnstone.)
Johntz, Margaret L., assignor to Hall Brothers, Inc., Kansas City, Mo. Greeting card. 2,083,912; June 15.
Jonassen, Jonas, Maplewood, assignor, by mesne assignments, to Tri State Cap & Cap Machinery Co., Inc., Newark, N. J. Machine for making material for containers, container covers, and the like. 2,083,566; June 15.

Jones, Horry H., Chicago, Ill. Pressure gange. 2,084,089; June 15.
Jones, Thad M., San Antonio, Tex. Ventilator for truck bodies. 2,083,567; June 15.
Jonn, Tage G., assignor to Brauer Electric Mfg. Co., Chicago, Ill. Centrifugal fan. 2,083,996; June 15.
Joseph, Henry, assignor to Neo-Aire, Inc., New York, N. Y. Air treating apparatus. 2,083,607; June 15.
Jung, Albert H., New York, assignor to United American Metals Corporation, Brooklyn, N. Y. Ingot for type-setting machine feeders. 2,083,913; June 15.
Justheim, Clarence L., et al. (See Woodbury, Elias L., assignor.)
Kahan, Adolph D., Chicago, Ill. Universal method of shelving. 2,083,997; June 15.
Kaolin Processes Inc. (See Kratz, G. D., and Jackson, assignors.)
Karlson, Albert, New York, N. Y. Barrel tap. 2,084,200; June 15.
Karolus, August, Leipzig, Germany. Light relay. 2,084,201; June 15.
Kaselitz, Oskar, Berlin, Germany. Separate recovery of potassium phosphates and ammonium phosphates. 2,083,652; June 15.
Käsemann, Erwin, Steinstucken, near Berlin, Germany. Transmission system. 2,083,653; June 15.
Keeler, Edgar D., Long Beach, Calif. Extensible pressure bailer. 2,083,714; June 15.
Keith, Geo. E., Company. (See Belyea, Fred, assignor.)
Keller, Earl C. (See Anderson, A. J., and Keller.)
Kelly, Orin, Columbus, Ohio. Conveyer mechanism. 2,084,090; June 15.
Keltner, Amos L., Hutchinson, Kans. Plunger or the like operating mechanism. 2,084,091; June 15.
Kempien, August J., St. Paul, Minn. Electrical indicator. 2,084,202; June 15.
Kendrick, James R. Co. (See Fox, William J., assignor.)
Kenney, Ralph, Melrose, Mass. Dental film holder. 2,084,092; June 15.
Kenyon, Alonzo F., Wilkinsburg, and W. G. Cook, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Rolling mill drive and control system. 2,084,035; June 15.
Kesling, Elmer G., Bloomfield, Mo. Gear shifting mechanism. 2,083,715; June 15.
Kesselring, Camillus J., et al. (See Grosser, Stephen A., assignor.)
Kessler, Joseph F., Canton, Mass. Cable winding apparatus. 2,083,954; June 15.
Key Company. (See Key, Frederick E., assignor.)
Key, Frederick E., St. Louis, Mo., assignor to Key Company, East St. Louis, Ill. Tube. 2,084,145; June 15.
Key, Frederick E., St. Louis, Mo., assignor to Key Company, East St. Louis, Ill. Stud bolt. 2,084,146; June 15.
Klapert, Joseph J., Hamden, assignor to I. Newman & Sons, Inc., New Haven, Conn. Corset. 2,084,147; June 15.
Klar, Elof P., Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass. Chair. 2,083,716; June 15.
Kneale, Earle C., and H. H. Wohlgemuth, Pontiac, Mich. Artificial resin. 2,084,203; June 15.
Knight, B. B. & R. Corporation. (See Bulford, Murray N., assignor.)
Knight, James L., Erie, Pa., assignor to General Electric Company. Refrigerator cabinet. 2,084,204; June 15.
Knowles, Dewey D., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,084,036; June 15.
Kochmann, Wilhelm, Berlin, Germany. Braking system. 2,083,654; June 15.
Kohn, Samuel, Jackson Heights, N. Y. Frankfurter cooker. 2,083,717; June 15.
Korten, Ernst. (See Zerweck, W., and Korten.)
Kratz, George D., Scarsdale, and W. Jackson, New York, N. Y., assignors to Kaolin Processes Inc., Elizabeth, N. J. Rubber composition. 2,083,998; June 15.
Krebs, Paul. (See Winter, C., and Krebs.)
Krementz, Albert M., Maplewood Township, Essex County, assignor to Frank Krementz Company, Newark, N. J. Ophthalmic device. 2,083,999; June 15.
Krementz, Frank, Company. (See Krementz, Albert M., assignor.)
Kronquest, Alfred L., Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y. Machine for coating cans. 2,084,093; June 15.
Kronquest, Alfred L., and C. J. Aulbach, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Machine for coating cans. 2,084,094; June 15.
Kull, Walter A., Saginaw, and O. Rasmussen, Detroit, assignors to General Motors Corporation, Saginaw, Mich. Steering lever joint. 2,083,718; June 15.
Kuzmick, Jerome. (See Kuzmick, Joseph N. and J.)
Kuzmick, Joseph N., Passaic, and J. Kuzmick, Clifton, assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Abrasive products and making the same. 2,083,719; June 15.
L. N. S. Corporation. (See Lolley, W. H., and Goss, assignors.)
La Berge, William C., Omaha, Nebr. Meat tendering device. 2,083,848; June 15.
La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 2,083,568; June 15.
Lalli, Louis J. (See George, R. M., and Lalli.)
Lamb, Howard S., assignor to The Cold Metal Process Company, Youngstown, Ohio. Rolling strip. 2,084,148; June 15.
Lancellotte, Anthony, Pittsburgh, Pa. Valve rod guide for flush tanks. 2,083,955; June 15.
Landis Tool Company. (See Balsiger, H. E., and Ott, assignors.)
Landis Tool Company. (See Steiner, Amos P., assignor.)
Lane, Russell C., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Selecting radio programs. 2,084,205; June 15.
Lang, Rudolph C., assignor to K. P. Williams Company, Inc., New York, N. Y. Handle structure. 2,083,956; June 15.
Larason, John E., Dayton, Ohio. Propeller clamping and balancing ring. 2,083,569; June 15.
Lariviere, Pierre, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company. Cover breaking mechanism. 2,083,720; June 15.
Larner Machine Company. (See Anderson, G. Y., and Bremser, assignors.)
Larsen, Einer W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for extruding matter. 2,084,149; June 15.
La Roque, Harold B., Scotia, N. Y., assignor to General Electric Company. System of motor control. 2,084,206; June 15.
Larson, Bert E., Park Ridge, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive firebox. 2,083,721; June 15.
Larson, Edward S., Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Keyboard perforator counter for direct measurement in picas. 2,083,570; June 15.
Larson, Edward S., Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Adjustable spaceband indicator. 2,083,608; June 15.
Larson, Inman L. (See Larson, Ole T. and I. L.)
Larson, Ole T., and I. L., Adrian, Tex. Fence-post. 2,084,095; June 15.
Lasher, Lester, Salem, Mass. Air valve. 2,084,256; June 15.
Lautenslager, Charles F. (See Dayvolt, Henry E., assignor.)
La Via, Joseph, Long Island, N. Y. Automatic radio tuning device. 2,083,722; June 15.
Lawrence, Roger C., Ridgewood, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Apparatus for coating material. 2,084,150; June 15.
Leathers, Ward, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y. Filter top for vacuum cleaners. 2,083,914; June 15.
Leathers, Ward, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y. Covered filter for vacuum cleaners. 2,083,915; June 15.
Lederer, Anton, deceased, Vienna, Austria; C. Danzer and G. C. Randa executors, assignors to E. A. Lederer, Glen Ridge, N. J. Electric rare gas filled lamp. 2,084,037; June 15.
Lederer, Ernest A. (See Lederer, Anton, assignor.)
Ledig, Kurt K., assignor to American Platinum Works, Newark, N. J. Pen point. 2,084,000; June 15.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Track shoe and shunting circuit. 2,084,257; June 15.
Lefevre, Emil B. G., Detroit, Mich. Joint for metal links. 2,083,609; June 15.
Leffler, Landreth, Los Angeles, assignor to R. S. Hicks, El Monte, Calif. Combined carburetor and supercharger. 2,083,787; June 15.
Leitner, Joseph F., Perth Amboy, N. J. Rosary watch chain. 2,084,151; June 15.
Leonard, Guy. (See Williamson, R. W., and Leonard.)
Levandowsky, Daniel W., Front Royal, Va. Method and apparatus for planting and transplanting. 2,083,571; June 15.
Levkoff, David, Brooklyn, N. Y. Collapsible egg carton set-up device. 2,084,152; June 15.
Lewis, Everett M., Tulsa, Okla. Rotary oil well drilling apparatus. 2,084,096; June 15.
Lichty, Joy G., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,084,038; June 15.
Light, Ralph A., Cynwyd, and J. W. Price, Jr., Philadelphia, assignors to The United States Metallic Packing Company, Philadelphia, Pa. Cylinder cock. 2,083,610; June 15.
Lincoln Engineering Company. (See Barks, Frank S., assignor.)
Lincoln Engineering Company. (See Fox, Alexander P., assignor.)
Lindquist, David E., J. E. Gray, and H. K. Rader, assignors to Mueller Brass Co., Port Huron, Mich. Joint and making the same. 2,084,207; June 15.
Line Material Company. (See Steinmayer, Alwin G., assignor.)

Linsley, Douglas F., Old Greenwich, Conn., assignor to Vaco Products, Inc. Fluid pressure operated gear shifting device. 2,084,153; June 15.
Litström, Axel G., Stockholm, Sweden. Electric selective signal receiving apparatus. 2,083,849; June 15.
Locomotive Firebox Company. (See Larson, Bert E., assignor.)
Loeber, Edgar O., Cleveland Heights, assignor to The Rulo Company, Cleveland, Ohio. Combination funnel and device for opening tops of bottles and jars. 2,083,788; June 15.
Lolley, William H., Albany, N. Y., and H. T. Goss, Rutherford, N. J., assignors to L. N. S. Corporation, New York, N. Y. Liquid dispensing. 2,084,288; June 15.
Lombardi Knitting Machine Co., Inc. (See Lombardi, Vincent, assignor.)
Lombardi, Vincent, Garden City, assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y. Knitting machine. 2,083,723; June 15.
Lone Star Gas Company. (See Martin, James W., assignor.)
Long, Albert E., assignor to Stromberg Electric Company, Chicago, Ill. Time-printing construction. 2,084,097; June 15.
Long, Albert E., assignor to Stromberg Electric Company, Chicago, Ill. Printing device. 2,084,098; June 15.
Lotter, William. (See Meacham, B. E., and Lotter.)
Lucas, Chester P. (See Hill, T., and Lucas.)
Lucas, Fred V., East Bernstadt, Ky. Overalls. 2,084,208; June 15.
Lutz, John A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Cooked varnishes. 2,084,039; June 15.
Lutz, Raymond P., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Making copper powder. 2,084,154; June 15.
Lyden, Frank J., Indianapolis, Ind. Condenser motor. 2,084,058; June 15.
Maccoy, Frank, assignor to The Cilocon Corporation, Detroit, Mich. Valve for feeding devices. 2,084,099; June 15.
Macdonald Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 2,083,655; June 15.
MacRill, John R. (See Nedvidek, R. D., and MacRill.)
Macy, George E., Chicago, Ill. Game apparatus. 2,083,850; June 15.
Madden, William J., Lansdowne, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Air conditioning apparatus for passenger cars. 2,084,155; June 15.
Madlé, Alain, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Control of variable speed transmission. 2,083,656; June 15.
Madsen, Soren, Bergenfield, assignor of one-fourth to J. F. O'Brien, Englewood, N. J. Turnstile. 2,084,280; June 15.
Maeder, Samuel, et al. (See Strahm, André, assignor.)
Major, George D., Cumberland, Md., assignor to Celanese Corporation of America. Yarn and filament twisting device. 2,083,724; June 15.
Malone, Fred F. (See Frank, Louis, assignor.)
Man, Edward H. (See Caldwell, W. E., and Man.)
Mansfield, William R. (See Boughton, W. A., and Mansfield.)
Manske, Fred A., Chicago, and R. V. Yeager, Evanston, assignors to United States Gypsum Company, Chicago, Ill. Preformed slab building structure. 2,083,725; June 15.
Marcy, Frank E., San Diego, Calif. Spraying nozzle. 2,083,851; June 15.
Marsden, George. (See Frary, Eugene E., assignor.)
Marsden, John E., Philadelphia, Pa. Emulsifying and cream making device. 2,084,156; June 15.
Marsella, Ferdinando. (See Marsella, Philip F. and F.)
Marsella, Philip F. and F., Seneca Falls, N. Y. Jar wrench. 2,083,957; June 15.
Marshall, Henry H., New Brunswick, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Cooling system. 2,083,611; June 15.
Martin, James W., assignor to Lone Star Gas Company, Dallas, Tex. Vaporizing liquefied petroleum gas. 2,084,297; June 15.
Marvin, John T. (See Matthews, B. L., and Marvin.)
Mascuch, Joseph J., F. G. Gardner, and L. W. G. Flynt, assignors to Breeze Corporations, Inc., Newark, N. J. Spark plug. 2,083,916; June 15.
Mashbir, Sidney F. (See Pihl, P. E., and Mashbir.)
Mason, Frederick W., Litherland, Liverpool, England. Blind control. 2,083,726; June 15.
Master Separator and Valve Company. (See Weisgerber, Edwin C., assignor.)
Mathieson Alkali Works, Inc., The. (See Cunningham, George L., assignor.)
Mathieson Alkali Works, Inc., The. (See Dorph, K. W. F., and Taylor, assignors.)
Matsumura, Konomu. (See Hata, S., Matsumura, and Ishihara.)
Matteson, Fay S., Canoga Park, Calif. Fly swatter. 2,083,727; June 15.
Matthews, Birchard L., and J. T. Marvin, assignors to The Patrol Valve Company, Cleveland, Ohio. Fuel control system. 2,083,789; June 15.
Maxmoor Corporation. (See Moore, Arlington, assignor.)
Maxson, Louis A., Claremont, N. H., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Material-breaking apparatus. 2,083,729; June 15.
May, Newton E., assignor, by mesne assignments, to The Mayway Corporation of Indiana, South Bend, Ind. Vending and weighing machine. 2,083,958; June 15.
Mayer, Harry G., Indianapolis, Ind. Folding tooth brush. 2,083,728; June 15.
Mayway Corporation of Indiana, The. (See May, Newton E., assignor.)
McAfee, Almer McD., and J. A. Tryon, Port Arthur, Tex., assignors, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa. Making aluminum chloride. 2,084,289; June 15.
McAfee, Almer McD., Port Arthur, Tex., assignor, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa. Making aluminum chloride. 2,084,290; June 15.
McClanahan, Effie, assignor of one-fifth to Southern United Ice Company, and one-fifth to L. W. Dawley, Jackson, Miss. Portable cooling cabinet. 2,083,852; June 15.
McComb, Alfred H., Homewood, Ill. Treating soya beans and like legumes. 2,083,853; June 15.
McGee, John M., Casper, Wyo., assignor to Standard Oil Company, Chicago, Ill. Sweetening hydrocarbon distillates. 2,083,917; June 15.
McGee, Robert E., Beeville, Tex. Hydraulic pump. 2,083,854; June 15.
McGinnes, John C., South Williamsport, Pa. Hydraulic shock absorber. 2,084,001; June 15.
McGuire, William E., Jennings, Mo. Apron. 2,083,790; June 15.
McHugh, Frederick J., Lachine, Quebec, Canada. Expansion joint. 2,084,100; June 15.
McIlroy, Peter, Pittsburgh, Pa., assignor to Enameled Metals Company. Coated metal pipe and producing the same. 2,084,209; June 15.
McKee, James, deceased, Media, Pa., S. M. McKee, administratrix. Treating oil. 2,083,572; June 15.
McKee, Susan M., administratrix. (See McKee, James.)
McLennan, Miles A., Riverton, N. J., assignor to Radio Corporation of America. Generator. 2,084,157; June 15.
McMullen, John R., Galena, Ill. Power boat. 2,083,959; June 15.
McPhee, George N., Denver, Colo. Anchor for ladies' hats. 2,083,614; June 15.
McPherson, Duncan F., Minneapolis, Minn. Toaster. 2,084,059; June 15.
McReynolds, Alexander A., Eldorado, Okla. Gate. 2,083,855; June 15.
Meacham, Benjamin E., Cleveland, and W. Lotter, Parma, Ohio, assignors to American Stove Company, St. Louis, Mo. Gas cock. 2,084,210; June 15.
Meade, Harold W., Covington, Ind. Automatic spark control. 2,084,158; June 15.
Meadows, Charles H., assignor to Hibbert & Buckland Limited, Sutton-in-Ashfield, England. Yarn package and producing the same. 2,084,101; June 15.
Meisel, Charles A., Milton, assignor to Meisel Press Manufacturing Company, Boston, Mass. Printing press. 2,084,281; June 15.
Meisel Press Manufacturing Company. (See Meisel, Charles A., assignor.)
Merrick, Frank W., Boston, assignor to American Stay Company, East Boston, Mass. Loom picker. 2,084,102; June 15.
Meyer, Pierre H., Mount Vernon, N. Y. Shelf construction for wall counters. 2,083,791; June 15.
Michell, Anthony G. M., Melbourne, Victoria, Australia. Internal combustion engine. 2,083,730; June 15.
Midland Steel Products Company, The. (See Begg, Russell S., assignor.)
Midyette, John T., Jr., Brooklyn, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature changing system employing plural temperature changing devices. 2,083,612; June 15.
Miller, Cecil W. (See Simpson, Walter W., assignor.)
Miller, Robert A., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Double window construction. 2,084,103; June 15.
Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Absorbent article-saturating apparatus. 2,083,731; June 15.
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Minneapolis-Honeywell Regulator Company. (See Gille, Willis H., assignor.)
Minneapolis-Honeywell Regulator Company. (See Midyette, John T., Jr., assignor.)
Minton, John P., White Plains, and A. S. Ringel, Brooklyn, N. Y., assignors to Radio Corporation of America. Filter system for loudspeakers. 2,084,160; June 15.
Mirfield, George E., assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Tool support. 2,084,040; June 15.
Mitchell, Joseph I. (See Johnson, A. E. W., and Mitchell.)
Mittag, Albert H. (See Alexanderson, E. F. W., and Mittag.)
Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Electric valve system. 2,084,159; June 15.

Momber, Franz, Wolfen, Kreis Bitterfeld, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Storage roll for films. 2,084,041; June 15.
Monsanto Chemical Company. (See Harris, Morton, assignor.)
Monsanto Chemical Company. (See Jenkins, Russell L., assignor.)
Moore, Arlington, Louisville, Ky., assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Controlling the ignition for internal combustion engines. 2,084,258; June 15.
Moore, Carl E., Gary, Ind., assignor to American Sheet and Tin Plate Company. Conveying apparatus for continuous strip material. 2,084,211; June 15.
Moore, Otto N. and R. P., Indianapolis, Ind. Stoker. 2,084,060; June 15.
Moore, Robert P. (See Moore, Otto N. and R. P.)
Moore, William E., Pittsburgh, and G. L. Simpson, Coraopolis, assignors to Pittsburgh Research Corporation, Pittsburgh, Pa. Adsorbent apparatus. 2,083,732; June 15.
Moravec, Richard Z., Berkeley, and T. Evans and C. Humphreys, Martinez, assignors to Shell Development Company, San Francisco, Calif. Purification of organic oxy-compounds. 2,083,856; June 15.
Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co., Inc. Safety catch. 2,083,613; June 15.
Moreira, Salvador, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Rail bond. 2,084,212; June 15.
Morgan, Clifford V., Fort Sill, Okla. Speculum. 2,083,573; June 15.
Morgan, Lewis J., Syracuse, N. Y. Bumper construction for automobiles or for other automotive vehicles. 2,083,657; June 15.
Morris, Thomas C., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Rubber derivatives. 2,084,042; June 15.
Morris, Thomas C., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Condensation derivatives of rubber. 2,084,043; June 15.
Morton, Henry E., Muskegon Heights, Mich. Keyway forming machine. 2,084,061; June 15.
Mosler Lock Company, The. (See Benham, William T., assignor.)
Moss, Herbert H., Brooklyn, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Railway car underframe and constructing same. 2,084,161; June 15.
Mossberg, O. F., & Sons, Incorporated. (See Arden, Thomas R., assignor.)
Mott, George T., Pearl River, N. Y. Supporting device. 2,083,574; June 15.
Mueller Brass Co. (See Lindquist, D. E., Gray, and Rader, assignors.)
Muller, William F., Brooklyn, assignor to William A. Force, III, New York, N. Y. Endorsing machine. 2,084,044; June 15.
Multipost Co. (See Gay, Azel, assignor.)
Murphey's, R. H., Sons Company. (See Murphey, Robert C., assignor.)
Murray Corporation of America, The. (See Westrope, Fred J., assignor.)
Mustard, Lewis W. (See Chase, Henry A., assignor.)
Myers, Oscar, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,084,104; June 15.
Myers, Oscar, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone control system. 2,084,105; June 15.
Nakanishi, Kinsaku, Hakata, Fukuoka, Japan. Apparatus and method for simultaneously manufacturing brocades and pattern cards. 2,083,960; June 15.
Napier, James A. T., assignor of two-thirds to E. J. and H. J. Hall, London, England. Self-centering washer. 2,083,658; June 15.
Napolis, James, and S. Dellagola, Worcester, Mass. Hoe construction. 2,083,918; June 15.
National Automatic Tool Company, The. (See Frank, Edward D., assignor.)
National Lock Co. (See North, Edwin, assignor.)
National Lock Co. (See Wade, William, assignor.)
National Pigments and Chemical Company. (See Harth, P. E., and Baernstein, assignors.)
National Traffic Signal Company. (See Olafson, Alvin O., assignor.)
Nedvidek, Robert D., Pomona, and J. R. MacRill, Norwalk, assignors to California Fruit Growers Exchange, Los Angeles, Calif. Processing citrus fruits. 2,084,062; June 15.
Neighbour, Leonard B., assignor to Deere & Company, Moline, Ill. Elevator. 2,083,837; June 15.
Neo-Aire, Inc. (See Joseph, Henry, assignor.)
New England Mica Co. (See Boughton, W. A., and Mansfield, assignors.)
New England Trawler Equipment Company. (See Symonds, Ralph F., assignor.)
New, Gustave A., New York, N. Y., assignor to T. G. Gregory. Insulating plaster. 2,083,961; June 15.
Newman, L., & Sons, Inc. (See Kispert, Joseph J., assignor.)
Newman, J. Randolph, trustee. (See Auer, László, assignor.)
Newman, J. Randolph, trustee. (See Auer, L., and Stamberger, assignors.)
Newman, Jules B. (See Poncher, L. S., and Newman.)
Newman, Thomas. (See Sener, G. M. B., and Newman.)
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Nichols, William H., Waltham, Mass. Hand-fed machine tool. 2,083,858; June 15.
Noble, Warren, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Anchoring means. 2,083,733; June 15.
Noble, Warren, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Air-shooting apparatus. 2,083,734; June 15.
Noble, Warren, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Blasting cartridge. 2,083,735; June 15.
Noble, Warren, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Blasting cartridge. 2,083,736; June 15.
Noble, Warren, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Blasting method and apparatus. 2,083,737; June 15.
Nock, Joseph A., Jr., Tarentum, assignor to Aluminum Company of America, Pittsburgh, Pa. Heat treatment of aluminum alloys. 2,083,576; June 15.
Nordlohne, Pierre J. H. A. (See van Minnen, R. H., and Nordlohne.)
North, Edwin, assignor to National Lock Co., Rockford, Ill. Permutation lock. 2,083,859; June 15.
Norton Company. (See Indge, Herbert S., assignor.)
Norton, Samuel H., Meadville, Pa., assignor to Hookless Fastener Company. Slide fastener. 2,083,919; June 15.
Novak, Izador J., Bridgeport, Conn., and A. L. Clapp, Danvers, Mass., assignors to Raybestos-Manhattan, Inc., Bridgeport, Conn. Modifying cellulose pulp for paper making purposes. 2,083,575; June 15.
Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and making the same. 2,083,659; June 15.
Nyberg, Stone, assignor to Greer Steel Company, Dover, Ohio. Mill entry box. 2,083,660; June 15.
Nygaard, Johan O., Oslo, Norway. Preserving edible material. 2,083,738; June 15.
O'Brien, Joseph F. (See Madsen, Soren, assignor.)
Offenbacher, William L., Miami, Fla. Sandwich bag. 2,083,860; June 15.
Ohio Rubber Company, The. (See Bronson, Budd, assignor.)
Ohio Rubber Company, The. (See Cavanagh, Gerald F., assignor.)
Ohio Rubber Company, The. (See Edwards, George N., assignor.)
Ohio Rubber Company, The. (See England, William E., assignor.)
Ohio Rubber Company, The. (See Getz, Charles H., assignor.)
Olafson, Alvin O., assignor to National Traffic Signal Company, St. Paul, Minn. Timer and signal circuit. 2,083,792; June 15.
Olley, Maurice, assignor to General Motors Corporation, Detroit, Mich. Spring suspension. 2,083,661; June 15.
Olsen, Elling, Seattle, Wash. Lock means for gasoline tank caps. 2,084,045; June 15.
Osgood, Charles F., Claremont, N. H., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Material breaking method and apparatus. 2,083,739; June 15.
Osterhof, Arthur L., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Resinous material and producing. 2,084,213; June 15.
Ott, Conrad L. (See Balsiger, H. E., and Ott.)
Owen, John T., Chicago, Ill., assignor, by mesne assignments, to Tung-Sol Lamp Works Inc., Newark, N. J. Electrolyte and device employing the same. 2,084,046; June 15.
Packard, Granville F., Forest Hills, Pa. Flashlight holder. 2,084,162; June 15.
Packard Motor Car Company. (See Griswold, Walter R., assignor.)
Padgett, Thomas R., Gaffney, S. C. Separator for water and gasoline. 2,083,861; June 15.
Pafford, Thomas E., administrator. (See Perry, Thomas C.)
Pagano, Joseph, Memphis, Tenn. Thermostatically operated switch. 2,084,214; June 15.
Palmer Electric & Manufacturing Co., The. (See Johansson, Ernest G., assignor.)
Palmer, Henry W., S., Bournemouth, and J. Harrington, London, England. Paper or cardboard carton or container. 2,084,166; June 15.
Paris, Fred F., Berkeley, Calif. Rotary plow cutter fastening. 2,083,662; June 15.
Parker, Ralzemond B. (See Burton, R. J., and Parker.)
Parkinson, Joseph C., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Double window construction. 2,084,107; June 15.
Parks, Paul B. (See Van Vulpen, J., Russell, and Parks.)
Parks & Woolson Machine Company. (See Richardson, C. G., and Hogue, assignors.)
Patchogue-Plymouth Mills Corporation. (See Geller, Hugo, assignor.)
Patrol Valve Company, The. (See Matthews, B. L., and Marvin, assignors.)

Paullin, Edward M., Jr., Buffalo, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Unloader for compressors. 2,083,740; June 15.
Paxton, Gerald C. (See Paxton, Hale and G. C., and Benson.)
Paxton, Hale, Redlands, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Box lidder. 2,084,047; June 15.
Paxton, Hale, Redlands, G. C. Paxton and H. D. Benson, Santa Ana, Calif., assignors, by mesne assignments, to Food Machinery Corporation. Automatic lid nailing machine. 2,084,048; June 15.
Paxton, Sherman H., Los Angeles, Calif. Rotary printing machine. 2,083,862; June 15.
Pearson, Sadye L., Colusa, Calif. Fruit dipper. 2,083,663; June 15.
Pearson, Susan C., New York, N. Y. Envelope for dishes. 2,083,741; June 15.
Peck, Cald H., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,084,163; June 15.
Penn Electric Switch Co. (See Persons, Lawrence M., assignor.)
Pennsylvania Crusher Company. (See Buchanan, Gordon, assignor.)
Pennsylvania Railroad Company, The. (See Billstein, Arthur E. F., assignor.)
Pennsylvania Railroad Company, The. (See Madden, William J., assignor.)
Pennsylvania Salt Manufacturing Company. (See Burkhart, C. W., and Riggs, assignors.)
Perozo, Enrique, Habana, Cuba. Typewriter carriage return and platen spacer mechanism. 2,084,215; June 15.
Perry, Marion B. (See Perry, Thomas C., assignor.)
Perry, Thomas C., deceased, by T. E. Pafford, administrator, Sand Springs, Okla., assignor, by decree of distribution, to M. B. Perry, widow. Cutting and marking device for sheet material. 2,083,577; June 15.
Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Room temperature controlling system. 2,083,664; June 15.
Peterson, Fredolf J., deceased, by S. F. Peterson, Detroit, Mich., executrix. Carburizing furnace. 2,084,002; June 15.
Peterson, Sadie F., executrix. (See Peterson, Fredolf J.)
Petitcolas, Pierre, Rouen, assignor to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France. Manufacture of amino and nitro derivatives. 2,083,962; June 15.
Petroleum Rectifying Company of California. (See Roberts, Claudius H. M., assignor.)
Petroleum Rectifying Company of California. (See Woelflin, William, assignor.)
Petti, Joseph. (See Galuppo, L., Petti, and Coccia.)
Pfaff, Walter, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk Siemensstadt, near Berlin, Germany. Telephone system. 2,084,003; June 15.
Pfaudler Co., The. (See Goecke, Rudolph F., assignor.)
Pfeiffer, Johan P., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Treating concrete and the like. 2,083,863; June 15.
Phillips Petroleum Company. (See Fitch, Louis H., Jr., assignor.)
Pihl, Paul E., Chevy Chase, Md., and S. F. Mashbir, assignors to The Washington Institute of Technology, Washington, D. C. Ammunition and ordnance device. 2,083,665; June 15.
Pitt, William A., Jr., Montreal, assignor to G. F. Sheppard, Westmount, Quebec, Canada. Transmission assembly for generator drives. 2,084,259; June 15.
Pittsburgh Plate Glass Company. (See Gottschalk, Victor H., assignor.)
Pittsburgh Plate Glass Company. (See Miller, Robert A., assignor.)
Pittsburgh Plate Glass Company. (See Parkinson, Joseph C., assignor.)
Pittsburgh Plate Glass Company. (See Redshaw, Joseph H., assignor.)
Pittsburgh Research Corporation. (See Moore, W. E., and Simpson, assignors.)
Poage, Marlin Z. (See Poage, Robert A., and M. Z.)
Poage, Robert A., Panhandle, Tex., and M. Z. Poage, Tallahassee, Fla. V-type brake for motor vehicles. 2,084,216; June 15.
Poncher, Louis S., and J. B. Newman, Chicago, Ill. Bumper guard. 2,083,742; June 15.
Poole, John H., Brockton, assignor to G. B. Witherell, Abington, Mass. Parachute. 2,073,743; June 15.
Potter, John M. (See Greer, Frank H., assignor.)
Potter, Ralph K., Madison, N. J., assignor to American Telephone and Telegraph Company. High frequency signaling system. 2,083,666; June 15.
Powell, Winfred T., assignor to General Railway Signal Company, Rochester, N. Y. Railway track circuit. 2,083,920; June 15.
Powers Regulator Company, The. (See Snediker, Morton O., assignor.)
Price, Earl E., assignor to G. H. Tennant Company, Minneapolis, Minn. Abrading or polishing implement. 2,083,793; June 15.
Price, Joseph W., Jr. (See Light, R. A., and Price.)
Price, Wilson T. (See Taylor, W. S., and Price.)
Princeton Worsted Mills, Inc. (See Hetherington, John, assignor.)
Proctor & Schwartz, Incorporated. (See Wanamaker, Harry F., assignor.)
Puckett, Willard M., assignor of one-half to J. M. Carswell, Macon, Ga. Conveyor cleaner. 2,083,864; June 15.
Pullman-Standard Car Manufacturing Company. (See Blomberg, Martin P., assignor.)
Pullman-Standard Car Manufacturing Company. (See Winther, Martin P., assignor.)
Quadrex Corporation. (See Leathers, Ward, assignor.)
Quarnstrom, Bert L., assignor to Bundy Tubing Company, Detroit, Mich. Tube making and copper coating process. 2,084,268; June 15.
Quintavalle, Umberto, assignor to Tabbrica Italiana Magneti Marelli Soc. An., Milan, Italy. Radio receiver scale. 2,084,217; June 15.
Rader, Harold K. (See Lindquist, D. E., Gray, and Rader.)
Radio Corporation of America. (See Barton, Loy E., assignor.)
Radio Corporation of America. (See Blain, Albert, assignor.)
Radio Corporation of America. (See Braden, Rene A., assignor.)
Radio Corporation of America. (See Farnham, Paul O., assignor.)
Radio Corporation of America. (See Lane, Russell C., assignor.)
Radio Corporation of America. (See McLennan, Miles A., assignor.)
Radio Corporation of America. (See Minton, J. P., and Rincel, assignors.)
Radio Corporation of America. (See Shore, Henry, assignor.)
Radio Corporation of America. (See Van Minnen, R. H., and Nordlohne, assignors.)
Radio Corporation of America. (See Weiller, Paul G., assignor.)
Radio Corporation of America. (See Wirix, René P., assignor.)
Rae, Lillian M. (See Wheeler, Earl A., assignor.)
Rafanelli, Cesare. (See Ferrari, A., Rafanelli, and Scalione.)
Randa, General C., et al., executors. (See Lederer, Anton.)
Ranger, James M., Muskegon, Mich. Trailer hitch. 2,084,291; June 15.
Rasmussen, Olaf. (See Kull, W. A., and Rasmussen.)
Rau Fastener Company. (See Arthur, J. H., and Chace, assignors.)
Raybestos-Manhattan, Inc. (See Kuzmick, Joseph N., and J., assignors.)
Raybestos-Manhattan, Inc. (See Novak, I. J., and Clapp, assignors.)
Rebichon, André, and S. Sicard, Paris, France. Metal seal for connecting the ends of a metal band binding a package. 2,084,063; June 15.
Redshaw, Joseph H., Homestead Park, Pa., assignor to Pittsburgh Plate Glass Company. Driving mechanism for lehr rolls. 2,084,108; June 15.
Reed, George H., assignor to Universal Form Clamp Co., Chicago, Ill. Supporting and anchoring means for wire lathing. 2,083,615; June 15.
Reid, James S., Shaker Heights, assignor, by mesne assignments, to The Standard Products Company, Cleveland, Ohio. Guiding and cushioning means for slidable window panes. 2,084,269; June 15.
Reid, Marvin J., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Recovery of a mixed organic acid ester of cellulose from its mixture with nitrocellulose. 2,083,667; June 15.
Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Toilet article. 2,084,064; June 15.
Reinartz, Robert, assignor to A. Wormser, Offenbach, near Frankfort-on-the-Main, Germany. Sheet feeding machine. 2,084,065; June 15.
Remington Rand, Inc. (See Hart, Frederick A., assignor.)
Rémondy, Léon E., Paris, France. Delay action fuse for projectiles and the like. 2,084,218; June 15.
Rensink, George C., Denver, Colo. Making filter elements. 2,083,865; June 15.
Renz, Fred, Brooklyn, N. Y. Sheet counter and marker. 2,084,164; June 15.
Reuter Organ Company, The. (See Floro, A., and Sabol, assignors.)
Ribble, Chauncey H., Hackensack, N. J., and A. J. Heidt, Woodhaven, N. Y., said Heidt assignor to said Ribble. Lock washer. 2,084,109; June 15.
Riccioni, Bindo, Rome, Italy. Method and apparatus for producing special electric fields. 2,084,004; June 15.
Rice, Frank E., assignor to American Bush Company, Detroit, Mich. Barrel tapping means. 2,083,866; June 15.
Richards, Lorenzo A., Ithaca, N. Y. Auto irrigation system. 2,084,005; June 15.
Richardson, Charles G., and J. W. Hogue, assignors to Parks & Woolson Machine Company, Springfield, Vt. Automatic shearing machine. 2,084,300; June 15.
Richardson, Charles G., and J. W. Hogue, assignors to Parks & Woolson Machine Company, Springfield, Vt. Seam-protecting attachment for cloth shearing machines. 2,084,301; June 15.

Richardson Company, The. (See Stevenson, E. P., and Billings, assignors.)
Richter, George A., assignor to Brown Company, Berlin, N. H. Manufacture of sheeted cellulose fiber adapted for conversion into cellulose derivatives. 2,083,744; June 15.
Rife, Charles E., assignor to The Sinclair-Scott Company, Baltimore, Md. Vegetable washing machine. 2,083,867; June 15.
Riggs, Walter S. (See Burkhart, C. W., and Riggs.)
Ringel, Abraham S. (See Minton, J. P., and Ringel.)
Risdon, Ivan, Seattle, Wash. Furnace. 2,083,745; June 15.
Roberts, Claudius H. M., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method of and apparatus for electrically treating emulsions. 2,083,799; June 15.
Roberts, Claudius H. M., Webster Groves, Mo., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method and apparatus for electrically treating emulsions. 2,083,798; June 15.
Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Filter making apparatus. 2,083,921; June 15.
Roberts, Oscar L., Merwood, assignor to The Atlantic Refining Company, Philadelphia, Pa. Filter cake washing. 2,083,578; June 15.
Roby, Frank M., Shaker Heights, Ohio. Gauge glass packing. 2,083,794; June 15.
Rode, Fredrich J., Chicago, Ill., and A. Ziska, Wauwatosa, Wis., assignors of one-third to said Rode, one-third to R. W. Glasner, and one-third to Clearing Machine Corporation, Chicago, Ill. Metalworking press. 2,084,066; June 15.
Roesch, Charles A., Toledo, Ohio. Lockable cap for vehicle fuel tanks. 2,083,668; June 15.
Roessel, Louis O. E., Chappaqua, N. Y. Rake. 2,083,922; June 15.
Röhm & Haas Company. (See Bock, L. H., and Houk, assignors.)
Rosenberg, Samuel, Milwaukee, Wis. Knitted hood and scarf assembly. 2,083,616; June 15.
Rosenvold, Leo, Wildrose, N. Dak. Reel for grain harvesting machines. 2,084,049; June 15.
Rottman, George, Brooklyn, N. Y. Receptacle. 2,083,868; June 15.
Rowe, Raymond N., assignor to The Trumbull Electric Company, Plainville, Conn. Electrical terminal. 2,083,923; June 15.
Ruben Rectifier Corporation. (See Williams, Fred D., Jr., assignor.)
Ruggiero, Salvator F., Buffalo, N. Y. Automobile hood latch mechanism. 2,083,963; June 15.
Ruhlmann, Theodor, Brooklyn, N. Y. Mechanical adjustable whistle. 2,083,669; June 15.
Rulo Company, The. (See Loeber, Edgar O., assignor.)
Rumsey, John C., assignor to The Rumsey Junior Vehicle Company, Lawrence, Kans. Vehicle. 2,083,746; June 15.
Rumsey Junior Vehicle Company. (See Rumsey, John C., assignor.)
Runge, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Signaling system. 2,083,747; June 15.
Russell, Edward A. (See Van Vulpen, J., Russell, and Parks.)
S K F Industries, Inc. (See Beckett, Harry S., assignor.)
Sabol, Albert G. (See Floro, A., and Sabol.)
Sadler Bros. Inc. (See Johnson, Charles W., assignor.)
Safety Car Heating & Lighting Company, The. (See Von Ohlsen, Louis H., assignor.)
Safety Mining Company. (See Armstrong, Frank H., assignor.)
Safety Mining Company. (See Dull, Raymond W., assignor.)
Safety Mining Company. (See Ferguson, Alexander D., assignor.)
Safety Mining Company. (See Harris, Allyn, assignor.)
Safety Mining Company. (See Hayward, Henry E., assignor.)
Safety Mining Company. (See Maxson, Louis A., assignor.)
Safety Mining Company. (See Noble, Warren, assignor.)
Safety Mining Company. (See Osgood, Charles F., assignor.)
Safety Mining Company. (See Wineman, Wade H., assignor.)
Salerni, Piero M., Westminster, England. Power transmission mechanism. 2,084,219; June 15.
Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Packaging machine. 2,083,617; June 15.
Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Packaging apparatus. 2,083,618; June 15.
Sandalls, George, Jr. (See Anderson, E. N., Bascom, Getz, and Sandalls.)
Sani-Draft Pump Company, The. (See Ferguson, Thomas G.)
Savage Arms Corporation. (See Wilcox, Frederic S., assignor.)
Sawin, Emilyn J., administratrix. (See Sawin, Lester M.)
Sawin, Lester M., deceased, E. J. Sawin, administratrix, assignor to The Susu Nut Company, Chicago, Ill. Showcase. 2,084,006; June 15.
Scalione, Mario. (See Ferrari, A., Rafanelli, and Scalione.)
Scantlebury, Francis H., Brooklyn, N. Y. Illuminated measuring device. 2,083,924; June 15.
Schellentrager, Eugene W., Shaker Heights, assignor to The Atlas Bolt & Screw Co., Cleveland, Ohio. Coking plant machine. 2,084,110; June 15.
Schelot, Norbert, and E. E. Vahle, St. Louis, Mo. Screw driver. 2,084,220; June 15.
Schicht, Friedrich, Dresden, Germany. Axial flow fan or pump. 2,084,111; June 15.
Schiller, Georg, and G. Wietzel, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of hydrogen. 2,083,795; June 15.
Schirm, Erik, Dessau in Anhalt, Germany, assignor to General Aniline Works-Inc., New York, N. Y. Preparation of azo dyes. 2,083,619; June 15.
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Lock. 2,083,796; June 15.
Schmidt, Alexander H., Berlin, Germany. Steam generator for cloth pressing and steaming devices. 2,084,282; June 15.
Schmidt, George, Los Angeles, Calif. Ring. 2,083,925; June 15.
Schmitt, George P., New York, N. Y. Razor and hair clipper. 2,083,579; June 15.
Schmitt, George P., New York, N. Y. Guard for razors and hair clippers. 2,083,580; June 15.
Schneider, Joseph, Incorporated. (See Armstrong, Henry W., assignor.)
Schubert, Alvin E., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Lens cap and finder arrangement for motion picture apparatus. 2,083,670; June 15.
Schuessler, Carl F., Chicago, Ill. Supporter. 2,083,869; June 15.
Schulz, George, assignor to E. Edelmann & Co., Chicago, Ill. Liquid dispensing device. 2,083,964; June 15.
Schulz, George, assignor to E. Edelmann & Co., Chicago, Ill. Compressed air operated liquid dispensing device. 2,083,965; June 15.
Schulz, Walter, Berlin-Friedrichshagen, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. J. Cinematographic film spool. 2,084,165; June 15.
Schundler, F. E. & Company, et al. (See Denning, Paul S., assignor.)
Schupbach, Rene M., Providence, R. I., assignor to Freeman-Daughaday Company. Key holder. 2,084,260; June 15.
Schutt, Arthur J., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Radiator. 2,083,671; June 15.
Schutz, Harry H., Washington, D. C. Carbon paper duplicator sheet. 2,084,221; June 15.
Schwartz, Morris, assignor to Barrel Fitting & Seal Corporation of America, Chicago, Ill. Container closure. 2,084,007; June 15.
Scott, Norman D., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ether acid halides and making them. 2,084,284; June 15.
Scott, Norman D., J. F. Walker, and V. L. Hansley, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of sodium hydrosulphite. 2,083,870; June 15.
Scovill Manufacturing Company, The. (See Bertschinger, Charles F., assignor.)
Scoville, James D., assignor to S. Morgan Smith Company, York, Pa. Hydraulic machine. 2,083,797; June 15.
Secrist, Stanley M., New York, N. Y., assignor to American Sheet and Tin Plate Company. Lining metallic vessels. 2,084,298; June 15.
Seismos G. m. b. H., of Hanover. (See Hummel, Johann N., assignor.)
Sener, George M. B., Pontiac, and T. Newman, Drayton Plains, Mich. Fuse plug assembly. 2,084,222; June 15.
Serowicz, Albert E., Chicago, assignor of one-half to W. P. Wristley, Park Ridge, Ill. Toilet article and making same. 2,083,871; June 15.
Seyler, Hobart W., Elizabeth, and J. H. Wells, Clairton, Pa. Recovery of light oil from coke-oven gas. 2,084,223; June 15.
Seymour, Merrill W., Irondequoit, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Antihalation backing for photographic films. 2,083,672; June 15.
Seymour & Peck Co. (See Arnold, Charles B., assignor.)
Shannon, Charles R., Harlan, Ky. Cleaning device. 2,084,112; June 15.
Shaw, John D., Washington, D. C. Cable joint. 2,084,224; June 15.
Shell Development Company. (See Moravec, R. Z., Evans, and Humphreys, assignors.)
Shell Development Company. (See Pfeiffer, Johan P., assignor.)

Shell Development Company. (See Steck, L. V., Engs, and de Simo, assignors.)
Shell Development Company. (See Waterman, Hein I., assignor.)
Shellmar Products Company. (See Gurwick, Irving, assignor.)
Shenehon, Howard E., Minneapolis, Minn. Headlight indicator and ornament. 2,083,673; June 15.
Shepard, David C. (See Smith, Swan, assignor.)
Sheppard, George F. (See Pitt, William A., Jr., assignor.)
Sheridan Iron Works, The, et al. (See Lariviere, Pierre, assignor.)
Sheridan, T. W. & C. B., Company, et al. (See Lariviere, Pierre, assignor.)
Sherts, James H., Tarentum, Pa., assignor to Duplate Corporation. Process and apparatus for making safety glass. 2,084,113; June 15.
Shields, Thomas P., North Arlington, N. J. Finger ring. 2,084,008; June 15.
Shoemaker, Bernard H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Lubricating oil. 2,084,270; June 15.
Shore, Henry, Elizabeth, N. J., assignor to Radio Corporation of America. Screen grid oscillator. 2,083,926; June 15.
Sicard, Séraphin. (See Rebichon, A., and Sicard.)
Siegel, Milton H., Baltimore, Md. Umbrella handle or the like and identification means therefor. 2,083,872; June 15.
Siemens & Halske Aktiengesellschaft. (See Pfaff, Walter, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Fouquet, Walter, assignor.)
Silver, Benjamin J., New York, N. Y. Inner sole for shoes. 2,083,581; June 15.
Simpson, George L. (See Moore, W. E., and Simpson.)
Simpson, Walter W., assignor of one-half to C. W. Miller, San Antonio, Tex. Garment form. 2,084,271; June 15.
Sinclair-Scott Company, The. (See Rife, Charles E., assignor.)
Sinex, Foster C., Hazleton, Pa. Fishing reel. 2,083,927; June 15.
Sisson, Edward C., and J. D. Stokes, Dallas, Tex. Inscription tablet mounting. 2,083,873; June 15.
Sizer, Harold S., Pawtucket, R. I., assignor to Brown and Sharpe Manufacturing Company. Hair clipper. 2,083,620; June 15.
Skelly Oil Company. (See Watkins, Walter G., assignor.)
Slaughter, Gibbs M., and G. W. Black, assignors to Athens Brick & Tile Company, Athens, Tex. Furnace wall construction. 2,084,225; June 15.
Smith, Frederick A., North Chicago, Ill., assignor, by mesne assignments, to Houde Engineering Corporation, Buffalo, N. Y. Automobile air ventilation. 2,083,874; June 15.
Smith, Howard L. (See Guthoff, M., Flynn, and Smith.)
Smith, Ira E., Stockton, Calif., assigned by decree of court to L. M. Smith, surviving widow. Separator. 2,083,674; June 15.
Smith, Jessie G. (See Beach, I. S., and Smith.)
Smith-Johnson Corporation. (See Smith, Neil V., assignor.)
Smith, Lillian M. (See Smith, Ira E.)
Smith, Neil V., assignor to Smith-Johnson Corporation, Los Angeles, Calif. Lubricating device. 2,083,875; June 15.
Smith, Otis L., et al. (See Ferguson, Thomas G., assignor.)
Smith, S. Morgan, Company. (See Scoville, James D., assignor.)
Smith, Swan, White Bear, assignor to D. C. Shepard, St. Paul, Minn. Fastener for containers. 2,083,621; June 15.
Snediker, Morton O., assignor to The Powers Regulator Company, Chicago, Ill. Three-way mixing valve 2,083,876; June 15.
Snelder, Henry D., Brooklyn, N. Y. Closure fastener device. 2,084,114; June 15.
Sohl, Ralph W., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Apparatus for making tire casings. 2,084,009; June 15.
Southern United Ice Company et al. (See McClanahan, Effie, assignor.)
Sperry Products, Inc. (See Drake, H. C., and Winburn, assignors.)
Sprague, Hugh B., et al. (See Woodbury, Elias L., assignor.)
Sproul, Donald F., Chicago, Ill., assignor to Cardwell-Westinghouse Company. Cushioning device. 2,084,283; June 15.
Stamberger, Paul. (See Auer, L., and Stamberger.)
Standard Brands Incorporated. (See Effront, Ivan A., assignor.)
Standard Oil Company. (See Forrest, H. O., and Van Horn, assignors.)
Standard Oil Company. (See McGee, John M., assignor.)
Standard Oil Company. (See Shoemaker, Bernard H., assignor.)
Standard Products Company, The. (See Reid, James S., assignor.)
Steck, Leo V., Piedmont, W. Engs, and M. de Simo, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Dehydrogenation of alcohols. 2,083,877; June 15.
Stein, Hall & Company. (See Bosland, Herman S., assignor.)
Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Machine tool carriage control. 2,083,748; June 15.
Steiner, Louis, Brooklyn, N. Y. Coin controlled device. 2,083,928; June 15.
Steiner, Rudolf, Vienna, Austria. Compact. 2,084,292; June 15.
Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse link construction. 2,084,010; June 15.
Stephens, Percy W., Chicago, Ill. Vegetable tool. 2,084,067; June 15.
Sterling, Bernard A., Chicago, Ill. Hair waver. 2,084,166; June 15.
Stevenson, Earl P., Newton, and H. J. Billings, South Acton, Mass., assignors, by mesne assignments, to The Richardson Company, Lockland, Ohio. Making a beater furnish. 2,083,929; June 15.
Stilson, Alden E., New York, N. Y. Destruction of fumes and the like. 2,084,167; June 15.
Stinson Aircraft Corporation. (See Ayer, Robert W., assignor.)
Stitzer, William E., Muskogee, Okla. Pipe section and coupling therefor. 2,083,966; June 15.
Stock, A. J., et al. (See Ferguson, Thomas G., assignor.)
Stokes, Jefferson D. (See Sisson, E. C., and Stokes.)
Strahm, André, La Chaux de Fonds, assignor of one-third to S. Maeder, Tavannes, and one-third to G. Friedli, Reconvilier, Switzerland. Electric clock. 2,084,226; June 15.
Streeter-Amet Company. (See Haegele, Otto P., assignor.)
Stromberg Electric Company. (See Long, Albert E., assignor.)
Sturtevant, B. F., Company. (See Derry, Gardner C., assignor.)
Sulco Laboratories, Inc. (See Connolly, Gerald C., assignor.)
Summers, Caleb E., Pontiac, Mich. Heat insulating mechanism. 2,083,622; June 15.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Machine for smoothing fasteners. 2,083,930; June 15.
Superior Felt and Bedding Company. (See Bowersox, Joseph W., assignor.)
Susu Nut Company, The. (See Sawin, Lester M., assignor.)
Swanson, Albin P., Mount Jewett, Pa. Sash lock. 2,083,878; June 15.
Swanson, Nils H., Aurora, Ill. Disintegrating mill. 2,084,227; June 15.
Sword-Atherton Co. (See Sword, Rowland P., assignor.)
Sword, Rowland P., assignor to Sword-Atherton Co., Inc., Philadelphia, Pa. Cleaner element for cleaning machines. 2,083,749; June 15.
Symonds, Ralph F., Marblehead, assignor to New England Trawler Equipment Co., Boston, Mass. Protected driving mechanism. 2,083,967; June 15.
Tabbrica Italiana Magneti Marelli Soc. An. (See Quintavalle, Umberto, assignor.)
Taylor, Maurice C. (See Dorph, K. W. F., and Taylor.)
Taylor, Will S., and W. T. Price, assignors to U. S. Gold Dredger Corporation, Seattle, Wash. Pumping system for gold dredges. 2,083,582; June 15.
Taylor, William I., and A. H. Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Cap-spinning machine. 2,083,758; June 15.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Runge, Wilhelm, assignor.)
Telephon-Apparat Fabrik E. Zwietusch and Company. (See Fuchs, Bernhard, assignor.)
Teletype Corporation. (See Benjamin, Abraham S., assignor.)
Teletype Corporation. (See Gubisch, Erwin A., assignor.)
Teletypesetter Corporation. (See Larson, Edward S., assignor.)
Temple, John C., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Mechanism for sizing. 2,083,759; June 15.
Tennant, G. H., Company. (See Price, Earl E., assignor.)
Tennigkeit, Fritz F., Burlington, Colo. Surface cultivator blade. 2,083,750; June 15.
Teppema, Jan, Boston, Mass., assignor to Wingfoot Corporation, Wilmington, Del. Resinous mercaptazole derivatives. 2,084,011; June 15.
Terry, Donald M., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control circuits. 2,084,115; June 15.
Texas Company, The. (See Clarke, Louis A., assignor.)
Texas Company, The. (See Harrigan, William, assignor.)
Thiemer, Erwin, Hennigsdorf, Germany, assignor to General Electric Company. Arc welding apparatus. 2,084,168; June 15.
Thomas, Charles A., Dayton, Ohio. Pyrolysis of hydrocarbons for resin manufacture. 2,084,012; June 15.
Thompson, Loren E., Wellington, Kans. Guitar. 2,083,751; June 15.
Thompson, Roland, Staples, Ontario, Canada. Attachment for threshing machines. 2,083,879; June 15.
Thorup, Abraham B., Salt Lake City, Utah. Box for shipping chicks. 2,083,623; June 15.
Tingley-Reliance Rubber Corporation. (See Jackson, Walter C., assignor.)

Tourot, Emma E., Paris, France. Bracelet. 2,083,880; June 15.
Trans-Lux Daylight Picture Screen Corporation. (See Hughes, Peter F., Jr., assignor.)
Tresenberg, Paul, Springfield Gardens, N. Y. Hair curler. 2,083,760; June 15.
Tresenberg, Paul, Springfield Gardens, N. Y. Hair waving device. 2,083,761; June 15.
Trio Products Corporation. (See Horton, Erwin C., assignor.)
Tri State Cap & Cap Machinery Co. (See Jonassen, Jonas, assignor.)
Trumbull Electric Manufacturing Company, The. (See Rowe, Raymond N., assignor.)
Trussell, Homer A., Detroit, Mich. Fuel reclaiming system for combustion engines. 2,083,752; June 15.
Tryon, Joseph A. (See McAfee, A. McD., and Tryon.)
Tung Oil Products, Inc. (See Geiger, T. H., and Burgess, assignors.)
Tung-Sol Lamp Works Inc. (See Owen, John T., assignor.)
Turner, Alonzo R., Plymouth, Ind. Mounting case for a radio loud speaker and an electric lamp. 2,083,753; June 15.
Tursall, George, London, England, assignor to R. Hoe & Co., Inc., New York, N. Y. Rotary printing machine. 2,083,754; June 15.
Ullman, Frederick, Jr., et al. (See George, R. M., and Lalli, assignors.)
Ullman, Richard, et al. (See George, R. M., and Lalli, assignors.)
Union Bag & Paper Corporation. (See Bustis, Grant B., assignor.)
Union Carbide and Carbon Corporation. (See Moss, Herbert H., assignor.)
Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)
United Acoustigraph Corporation. (See Bender, Max, assignor.)
United American Metals Corporation. (See Jung, Albert H., assignor.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Gordon, Hiram, assignor.)
United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)
United Shoe Machinery Corporation. (See Macdonald, Lester S., assignor.)
United Shoe Machinery Corporation. (See Nutt, William H., assignor.)
United Shoe Machinery Corporation. (See Whelton, John M., assignor.)
United States Gauge Company. (See Grauel, Ernest H., assignor.)
U. S. Gold Dredger Corporation. (See Taylor, W. S., and Price, assignors.)
United States Gypsum Company. (See Manske, F. A., and Yeager, assignors.)
United States Metallic Packing Company, The. (See Light, R. A., and Price, assignors.)
Universal Form Clamp Co. (See Reed, George H., assignor.)
Vaco Products, Inc. (See Linsley, Douglas F., assignor.)
Vahle, Elmer E. (See Schelot, N., and Vahle.)
Van Bloem, Paul S., Great Neck, assignor to Viking Products Corporation, New York, N. Y. Clock. 2,084,050; June 15.
Van Buskirk, William H., Vancouver, British Columbia, Canada. Safety milk bottle container. 2,084,228; June 15.
Van Horn, Lee. (See Forrest, H. O., and Van Horn.)
Van Maanen, Dirk H. J., Berchem/Antwerp, Belgium. Extracting juice from cut sugar beets and other gas containing substances. 2,084,229; June 15.
Van Minnen, Rinfe H., and P. J. H. A. Nordlohne, Eindhoven, Netherlands, assignors to Radio Corporation of America. High frequency amplifier and frequency multiplier. 2,083,755; June 15.
Van Vulpen, John, and E. A. Russell, Chicago, and P. B. Parks, Oak Park, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Heat controlled switch mechanism. 2,084,051; June 15.
Vapor Car Heating Company. (See Van Vulpen, J., Russell, and Parks, assignors.)
Venzke, Walter P., Berlin, Germany, assignor to General Electric Company. Indicating system. 2,084,169; June 15.
Verhagen, Christian M., assignor to The Adlake Company, Chicago, Ill. Sash construction. 2,084,170; June 15.
Viking Products Corporation. (See Van Bloem, P. S., assignor.)
Ville, Joseph C., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic print-out material having a design thereon. 2,083,675; June 15.
Vinal, Leroy W., Leominster, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Floating die head for molding presses. 2,083,676; June 15.
Vinton, William U., Manitowoc, Wis. Road finishing machine. 2,084,068; June 15.
Viola, Louis V., Closter, N. J. Curtain rod. 2,083,931; June 15.
Vissac, Gustave A., Calgary, Alberta, Canada. Apparatus for drying and treating wet granular materials. 2,083,756; June 15.
Vogel, Max, Frankfort-on-the-Main, Germany. Card filing system. 2,083,757; June 15.
Volkers, Walter, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Control of electromagnetic track brakes. 2,084,171; June 15.
Von Ohlsen, Louis H., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Temperature controlling system. 2,083,932; June 15.
Vulcan Alloy Corporation. (See de Golyer, Anthony G., assignor.)
Waddell, Kenneth M. (See Hicks, Frederick T., assignor.)
Wade, William, Chicago, assignor to National Lock Co., Rockford, Ill. Venetian blind. 2,083,881; June 15.
Wadman, Harold A., Bloomfield, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for forming hollow glass articles. 2,084,285; June 15.
Waldman, Herman C., St. Louis, Mo. Elevator-door check. 2,083,762; June 15.
Walker, Joseph B., Beverly Hills, Calif. Carrier for code messages. 2,084,052; June 15.
Walker, Joseph F. (See Scott, N. D., Walker, and Hansley.)
Walker, Lesley L. (See Baumann, L. P., and Walker.)
Walling, Joseph M., St. Louis, Mo. Nut-cracking machine. 2,083,968; June 15.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Forming laminated tubes from web material. 2,083,969; June 15.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Pipe joint. 2,083,970; June 15.
Wanamaker, Harry F., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Attachment for hosiery driers. 2,084,230; June 15.
Ward, Marshall H., Brooklyn, N. Y., assignor, by mesne assignments, to Bridgeport Thermostat Company, Inc., Bridgeport, Conn. Method of and apparatus for shaping metal. 2,083,763; June 15.
Ward, Willard H., assignor to E. and T. Fairbanks and Company, Saint Johnsbury, Vt. Friction eliminating unit for motion weighing suspension scales. 2,083,882; June 15.
Washington Institute of Technology. (See Pihl, P. E., and Mashbir, assignors.)
Waterman, Hein I., Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Synthetic resinous materials and preparing the same. 2,083,883; June 15.
Watkins, Walter G., Kansas City, Mo., assignor to Skelly Oil Company, Tulsa, Okla. Support and protecting device for fluid dispensing cylinders. 2,084,231; June 15.
Watson, Ernest, Wauwatosa, Wis. Condiment shaker. 2,083,624; June 15.
Weiller, Paul G., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America. Electron tube. 2,084,172; June 15.
Weisgerber, Edwin C., Los Angeles, Calif., assignor to Master Separator and Valve Company. Scrubber. 2,083,764; June 15.
Wells, Edward H., Jr., assignor to Johns-Manville Corporation, New York, N. Y. Smoke jack. 2,083,933; June 15.
Wells, Harold D., Glens Falls, N. Y. Wastepaper de-inking and de-fibering process and apparatus. 2,083,884; June 15.
Wells, Joseph H. (See Seyler, H. W., and Wells.)
Wesseler, William J. (See Balinger, Lee O., assignor.)
Western Electric Company. (See Dixon, A. L., and Davis, assignors.)
Western Electric Company. (See Larsen, Einer W., assignor.)
Western Electric Company. (See Lawrence, Roger C., assignor.)
Western Electric Company. (See Lutz, Raymond P., assignor.)
Western Electric Company Incorporated. (See Albersheim, Walter J., assignor.)
Western States Machine Company. (See Roberts, Eugene, assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Keynon, A. F., and Cook, assignors.)
Westinghouse Electric & Manufacturing Company. (See Knowles, Dewey D., assignor.)
Westrope, Fred J., Detroit, Mich., assignor to The Murray Corporation of America. Vehicle door construction. 2,084,069; June 15.
Wexler, Louis, Brooklyn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Wearing apparel. 2,084,173; June 15.
Wheeler, Earl A., Maywood, assignor to L. M. Rae, Huntington Park, Calif. Fastener. 2,083,885; June 15.
Whelton, John M., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Assembling and molding machine. 2,083,583; June 15.
White, Harry C., assignor to J. Grant, Los Angeles, Calif. Depositing foraminate beds around well casings. 2,083,625; June 15.
White, John W., Wadsworth, assignor to P. A. Frank, Akron, Ohio. Spring belt stitcher. 2,083,886; June 15.

White, Winthrop. (See Grubb, William B., Sr., assignor.)
Wholesale Lumber & Millwork, Inc. (See Chaplow, Bernard A., assignor.)
Wieneke, Henry A., St. Louis, Mo. Process and apparatus for filtering. 2,083,887; June 15.
Wietzel, Gustav. (See Schiller, G., and Wietzel.)
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Train describer system. 2,084,302; June 15.
Wilcox, Frederic S., Springfield, Mass., assignor, by mesne assignments, to Savage Arms Corporation, New York, N. Y. Sight for firearms. 2,083,677; June 15.
Williams, Beverly E., assignor to Industrial Patents Corporation, Chicago, Ill. Meat branding. 2,083,765; June 15.
Williams, Fred D., Jr., assignor to Ruben Rectifier Corporation, New Rochelle, N. Y. Rectifier output voltage regulator. 2,084,117; June 15.
Williams, K. P., Company. (See Lang, Rudolph C., assignor.)
Williamson, Roger W., Ruxton, and G. Leonard, Baltimore, Md. Composite material. 2,084,232; June 15.
Wilson, Davis G., Rochester, N. Y. Plant support and trellis. 2,083,678; June 15.
Wilson, George W., Delbarton, W. Va. Level. 2,084,053; June 15.
Winburn, Abraham. (See Drake, H. C., and Winburn.)
Wineman, Wade H., Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill. Blasting cartridge. 2,083,584; June 15.
Wingfoot Corporation. (See Brunner, Elmer F., assignor.)
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Endres, Herbert A., assignor.)
Wingfoot Corporation. (See Lichty, Joy G., assignor.)
Wingfoot Corporation. (See Lutz, John A., assignor.)
Wingfoot Corporation. (See Morris, Thomas C., assignor.)
Wingfoot Corporation. (See Sohl, Ralph W., assignor.)
Wingfoot Corporation. (See Teppama, Jan., assignor.)
Winter, Carl, and P. Krebs, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of dyestuffs of the triarylmethane series. 2,083,888; June 15.
Winther, Martin P., Waukegan, assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Air conditioning system. 2,083,585; June 15.
Winther, Martin P., Waukegan, Ill., assignor, by mesne assignments, to Pullman-Standard Car Manufacturing Company. Air conditioning system. 2,083,971; June 15.
Wirix, René P., Eindhoven, Netherlands, assignor to Radio Corporation of America. Amplifying circuits. 2,083,626; June 15.
Witherell, George D. (See Poole, John H., assignor.)
Wittkopp, Edwin E., Chicago, Ill. Tire and rim construction. 2,083,766; June 15.
Woelflin, William, Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Pipe line treating system. 2,083,800; June 15.
Woelflin, William, Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Process and apparatus for treating emulsions. 2,083,802; June 15.
Wohlgemuth, Henry H. (See Kneale, E. C., and Wohlgemuth.)
Woodbury, Elias L., assignor of forty per cent to H. B. Sprague and forty per cent to C. I. Justheim, Salt Lake City, Utah. Saw filing gauge. 2,083,586; June 15.
Woodruff, Alfred H. (See Taylor, W. L., and Woodruff.)
Wormser, Arthur. (See Reinartz, Robert, assignor.)
Worthington Pump and Machinery Corporation. (See Paullin, Edward M., Jr., assignor.)
Wrisley, Willis P. (See Serowicz, Albert E., assignor.)
Wurtele, Allan R., New Roads, La. Internal combustion engine. 2,083,972; June 15.
Wurtzer, August C., Catonsville, Md. Garment supporter. 2,083,587; June 15.
Wyatt, Kenneth S., assignor to The Detroit Edison Company, Detroit, Mich. Oxidation resistant cable. 2,083,889; June 15.
Yeager, Roy V. (See Manske, F. A., and Yeager.)
Yett, Porter W., Portland, Oreg. Apparatus for mixing concrete. 2,083,767; June 15.
Young, Randall B., Akron, Ohio. Garter and other supporting means. 2,084,174; June 15.
Youngblood, James A., Dallas, Tex. Operating mechanism for doors. 2,083,803; June 15.
Youngren, Harold T., Lansing, assignor to General Motors Corporation, Detroit, Mich. Automobile suspension system. 2,083,627; June 15.
Youngstown Sheet & Tube Company, The. (See Mirfield, George E., assignor.)
Zabriskie, William F., assignor to Gabriel Steel Company, Detroit, Mich. Grating. 2,084,118; June 15.
Záruba, Antonin J., Vienna, Austria. Resilient constructional element. 2,084,116; June 15.
Zeh, Walter, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Sensitizing photographic emulsions. 2,083,804; June 15.
Zelger, Georges E., Montreuil sous Bois, France, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Making vinyl derivative articles. 2,083,628; June 15.
Zepa, Bruno R., Chicago, Ill. Anchor. 2,084,233; June 15.
Zerweck, Werner, and E. Korten, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Diamino compounds and making same. 2,083,890; June 15.
Zerweck, Werner, Frankfort-on-the-Main-Fechenheim, and Wilhelm Hechtenberg, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphur dyestuffs derived from indophenols. 2,083,891; June 15.
Zimmerer, Karl A., assignor to Karl A. Zimmerer Manufacturing Company, Inc., Detroit, Mich. Beer dispensing apparatus. 2,083,629; June 15.
Zimmerer, Karl A., Manufacturing Company. (See Zimmerer, Karl A., assignor.)
Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Pilot for valve grinding tools. 2,084,175; June 15.
Zimmerman, Leroy H., LaSalle, Ill. Display device. 2,083,973; June 15.
Ziska, Adam. (See Rode, F. J., and Ziska.)
Zook, David F., Evanston, Ill. Conditioned air supply system for trains. 2,083,768; June 15.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cement, High temperature refractory. G. E. Seil. 20,413; June 15.
Dithiophosphate compounds. C. J. Romieux and K. D. Ashley. 20,411; June 15.
Doll. A. Cohen. 20,414; June 15.
Energy transmission. H. Salvatorl. 20,412; June 15.
Fan, Centrifugal. H. F. Hagen. 20,408; June 15.
Fluid moving apparatus, Centrifugal. H. F. Hagen. 20,409; June 15.
Magazine shift for linecasting and composing machines. E. S. Larson. 20,410; June 15.
Trigger for shutters, Folding. N. B. Green. 20,407; June 15.
Upholstery construction. A. M. Bank. 20,406; June 15.

LIST OF PLANT INVENTIONS

Chrysanthemum. R. C. Murphey. 251; June 15.

LIST OF DESIGN INVENTIONS

Aerial, Automobile-roof. R. Kopanski. 104,968; June 15.
Air circulator. H. C. Hueglin. 104,940; June 15.
Automobile. R. G. F. Loewy. 104,945; June 15.
Bathtub, Safety. L. K. Vaughen. 104,933; June 15.
Bootee. A. Turiansky. 104,975; June 15.
Bottle and stopper, Combined. P. H. Ganz. 104,938; June 15.
Box or similar article, Jewelry display. P. J. Chéron. 104,913; June 15.
Box, Roll-top playing card. H. Lathrop. 104,944; June 15.
Chime, Electric. E. G. Evans. 104,937; June 15.
Chime, Electric. E. G. Evans. 104,966; June 15.
Clock face. L. A. Du Rocher. 104,916; June 15.
Coat. S. Lo Prete and V. Lo Prete. 104,979; June 15.
Coat, Lady's. L. A. Siegel. 104,984; June 15.
Container for mechanical pencil fillers. P. S. Hanton. 104,939; June 15.
Dish, Soap. M. Whited. 104,914; June 15.
Dress. E. Cutler. 104,977; June 15.
Dress. R. La Giusa. 104,978; June 15.
Dress. A. E. Levy. 104,970; June 15.
Dress. C. Schulman. 104,982–3; June 15.
Dress ensemble. E. N. Tunick. 104,974; June 15.
Emblem. M. L. Briggs. 104,935; June 15.
Fabric or similar article of manufacture, Textile. J. F. Gaul, Jr. 104,923; June 15.
Fabric or similar article, Textile. M. Christen. 104,959–61; June 15.
Fabric or similar article, Textile. L. Rother. 104,949; June 15.
Fabric or similar article, Textile. J. C. Sibal. 104,950–1; June 15.
Fabric or similar article, Textile. J. C. Sibal. 104,973; June 15.
Fabric, Textile. J. W. B. Brooks. 104,957–8; June 15.
Fabric, Textile. M. Turpan. 104,976; June 15.
Gameboard or similar article. I. S. Rosen. 104,972; June 15.
Hair waving apparatus. E. Frederics. 104,921; June 15.
Heater. J. R. Morgan. 104,929; June 15.
Heater, Electric. G. R. Coss. 104,915; June 15.
Jewelry setting or similar article. H. R. Kiepe. 104,926; June 15.
Lighter and cigarette container, Combined pyrophoric. L. V. Aronson. 104,953–4; June 15.
Lighter, Pyrophoric. L. V. Aronson. 104,955; June 15.
Pin or similar article, Brooch. A. Katz. 104,925; June 15.
Rack, Display. K. E. Baker. 104,956; June 15.
Ring. O. Heyman. 104,924; June 15.
Ring, Finger. O. H. Mengel. 104,947; June 15.
Roaster, Electric. G. R. Coss. 104,914; June 15.
Roofing. A. O. Mickelson. 104,948; June 15.
Shingle, Strip. J. Logan, Jr. 104,971; June 15.
Shoe. B. Benjamin. 104,912; June 15.
Shoe. S. Cangemi. 104,936; June 15.
Shoe. J. J. Doucette. 104,962–5; June 15.
Shoe. J. Fishman. 104,917; June 15.
Shoe. R. E. Frederick. 104,918–9; June 15.
Shoe. T. E. Labrum. 104,969; June 15.
Shoe. A. J. Pettus. 104,930; June 15.
Shoe. A. Turiansky. 104,931–2; June 15.
Sign, Electric. C. E. Karst. 104,941–2; June 15.
Signal, Sounding. J. White. 104,952; June 15.
Slipper. R. E. Frederick. 104,920; June 15.
Spoon or similar article. F. W. Koonz. 104,943; June 15.
Stove. C. L. Hardwick. 104,967; June 15.
Stove or analogous article, Oil. E. A. Lindemann. 104,928; June 15.
Suit. S. Lo Prete and V. Lo Prete. 104,980; June 15.
Terrarium or the like. F. Munz. 104,981; June 15.
Vise for piston pins or the like. R. French. 104,922; June 15.
Watchcase. H. I. Kolberg. 104,927; June 15.
Windmill. K. R. Lung. 104,946; June 15.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abradant supplying device. K. C. Burroughs. 2,083,773; June 15.
Abrading or polishing implement. E. E. Price. 2,083,793; June 15.
Abrasive products and making the same. J. N. and J. Kuzmick. 2,083,719; June 15.
Accelerator control. A. J. Abel. 2,083,974; June 15.
Accessory system, Suction operated. E. C. Horton. 2,084,142; June 15.
Accounting machine. F. K. Hart. 2,083,994; June 15.
Acid containing in the 5-position a pyridine group and preparing the same, Barbituric. R. Gebauer. 2,084,136; June 15.
Acid ester of cellulose from its mixture with cellulose. Recovery of a mixed organic. M. J. Reid. 2,083,667; June 15.
Acid, Manufacture of hydrocyanic. H. A. Bond and C. R. Harris. 2,083,824; June 15.
Adjustable spaceboard indicator. E. S. Larson. 2,083,608; June 15.
Adsorbent apparatus. W. E. Moore and G. L. Simpson. 2,083,732; June 15.
Age-resister. A. M. Clifford. 2,084,131; June 15.
Agitator for stokers. O. L. Bartlett. 2,084,237; June 15.
Air brake. C. A. Campbell. 2,083,686; June 15.
Air cleaner. G. L. Heglar. 2,083,649; June 15.
Air conditioning apparatus for passenger cars. W. J. Madden. 2,084,155; June 15.
Air conditioning system. M. P. Winther. 2,083,585; June 15.
Air conditioning system. M. P. Winther. 2,083,971; June 15.
Air moistener. C. Grab. 2,083,905; June 15.
Air pump wheel, Centrifugal force. O. B. Johnson. 2,083,847; June 15.
Air-shooting apparatus. W. Noble. 2,083,734; June 15.
Air supply system for trains, Conditioned. D. F. Zook. 2,083,768; June 15.
Air treating apparatus. H. Joseph. 2,083,607; June 15.
Air valve. L. Lasher. 2,084,256; June 15.
Air ventilation, Automobile. F. A. Smith. 2,083,874; June 15.
Alarm system, Fire. A. Johnson. 2,084,198; June 15.
Alarm system, Phonetic. H. C. Cassell. 2,084,242; June 15.
Alcohols and esters, Production of aliphatic. H. Dreyfus. 2,083,693; June 15.
Alcohols, Dehydrogenation of. L. V. Steck, W. Engs, and M. de Simo. 2,083,877; June 15.
Alkali metal hydroxide solutions, Preparation of. H. Gorke. 2,083,648; June 15.
Alkali sub-silicates, Making. C. W. Burkhart and W. S. Riggs. 2,083,545; June 15.
Aluminum chloride, Making. A. McD. McAfee and J. A. Tryon. 2,084,289; June 15.
Aluminum chloride, Making. A. McD. McAfee. 2,084,290; June 15.
Amino and nitro derivatives, Manufacture of. P. Petitcolas. 2,083,962; June 15.
Ammunition and ordnance device. P. E. Pihl and S. F. Mashbir. 2,083,665; June 15.
Amplifier and frequency multiplier, High frequency. R. H. van Mimnen and P. J. H. A. Nordlohne. 2,083,755; June 15.
Anchor. B. R. Zepa. 2,084,233; June 15.
Anchor for ladies' hats. G. N. McPhee. 2,083,614; June 15.
Anchoring means. W. Noble. 2,083,733; June 15.
Antiglare illumination apparatus. A. de A. e Irujo. 2,084,245; June 15.
Apparel, Wearing. L. Wexler. 2,084,173; June 15.
Apron. W. E. McGuire. 2,083,790; June 15.
Arbor, Centering. H. S. Beckett. 2,084,124; June 15.
Arc welding apparatus. E. Thiemer. 2,084,168; June 15.
Article-saturating apparatus, Absorbent. S. P. Miller. 2,083,731; June 15.
Assembling and molding machine. J. M. Whelton. 2,083,583; June 15.
Attaching members, Making. J. H. Arthur and F. E. Chace. 2,083,589; June 15.
Attachments for hosiery driers. H. F. Wanamaker. 2,084,230; June 15.
Auto irrigation system. L. A. Richards. 2,084,005; June 15.
Automobile indicator. N. C. Hallenberg. 2,084,252; June 15.
Automobile suspension system. H. T. Youngren. 2,083,627; June 15.
Awning and drain, Slatted. A. D. Baldwin. 2,083,681; June 15.
Backing for photographic films, Antihalation. M. W. Seymour. 2,083,672; June 15.
Bag; *See*—
Sandwich bag.
Bailer, Extensible pressure. E. D. Keeler. 2,083,714; June 15.
Bait replacing and line-freeing device, Fisherman's. W. J. Bence. 2,083,814; June 15.
Barrel tap. A. Karlson. 2,084,200; June 15.
Barrel tapping means. F. E. Rice. 2,083,866; June 15.
Basket attachment. I. S. Beach and J. G. Smith. 2,084,075; June 15.
Battery testing apparatus. R. F. W. Heyer. 2,084,086; June 15.
Beans and like legumes, Treating soya. A. H. McComb. 2,083,853; June 15.
Bearing guard and oil retriever. W. J. Clements. 2,083,688; June 15.
Beater furnish, Making a. E. P. Stevenson and H. J. Billings. 2,083,929; June 15.
Beer dispensing apparatus. K. A. Zimmerer. 2,083,629; June 15.
Bellows units, Producing. W. B. Clifford. 2,083,943; June 15.
Belt stitcher, Spring. J. W. White. 2,083,886; June 15.
Blasting apparatus. A. Harris. 2,083,706; June 15.
Blasting device. A. Harris. 2,083,705; June 15.
Blasting device. H. E. Hayward. 2,083,709; June 15.
Blasting method and apparatus. R. W. Dull. 2,083,695–6; June 15.
Blasting method and apparatus. W. Noble. 2,083,737; June 15.
Blind control. F. W. Mason. 2,083,726; June 15.
Blind, Venetian. W. Wade. 2,083,881; June 15.
Board; *See*—
Running board.
Boat, Power. J. R. McMullen. 2,083,959; June 15.
Bolt, Stud. F. E. Key. 2,084,146; June 15.
Bookkeeping leaf. E. O. Haberfeld. 2,083,601; June 15.
Bottle collar. H. F. Affelder. 2,083,538; June 15.
Bottle, Non-refillable charred wood liquor. J. Costello. 2,084,056; June 15.
Bowl centrifuge. A. B. Asch. 2,083,809; June 15.
Box; *See*—
Mill entry box.
Box for shipping chicks. A. B. Thorup. 2,083,623; June 15.
Box lidder. H. Paxton. 2,084,047; June 15.
Bracelet. E. E. Tourot. 2,083,880; June 15.
Brake; *See*—

Air brake.	Hydraulic brake.
Clasp brake.	Unit cylinder clasp brake.
Fluid brake.	Unit cylinder drum brake.

Brake. R. G. Aurien. 2,083,541; June 15.
Brake. H. C. Bowen. 2,084,184; June 15.
Brake. F. J. Eisenhardt. 2,083,989; June 15.
Brake adjustment. G. K. House. 2,083,651; June 15.
Brake for motor vehicles, V-type. R. A. and M. Z. Poage. 2,084,216; June 15.
Brake hanger retaining means. V. H. Harbert. 2,083,784; June 15.
Brake setting apparatus. S. P. Cottrell. 2,083,944; June 15.
Braking system. W. Kochmann. 2,083,654; June 15.
Brick or the like. W. H. Hill. 2,084,141; June 15.
Brocades and pattern cards, Apparatus and method for simultaneously manufacturing. K. Nakanishi. 2,083,960; June 15.
Building construction. E. G. Groves. 2,083,781; June 15.
Bulk food dispenser. H. P. Hall and A. T. Hartwick. 2,083,704; June 15.
Bumper construction for automobiles or for other automotive vehicles. L. J. Morgan. 2,083,657; June 15.
Burner; *See*—
Oil burner.
Burner assembly, Gas. P. S. Harper. 2,083,602; June 15.
Cabinet, Portable cooling. E. McClanahan. 2,083,852; June 15.
Cabinet, Refrigerator. J. L. Knight. 2,084,204; June 15.
Cable joint. J. D. Shaw. 2,084,224; June 15.
Cable, Oxidation resistant. K. S. Wyatt. 2,083,889; June 15.
Cable winding apparatus. J. F. Kessler. 2,083,954; June 15.
Can construction. F. H. Greer. 2,084,084; June 15.
Can tester. W. Cameron. 2,083,827; June 15.
Cans, Coating. C. J. Aulbach and E. A. Herrig. 2,084,070; June 15.
Cap for vehicle fuel tanks, Lockable. C. A. Roesch. 2,083,668; June 15.

Cap spinning machine. W. J. Taylor and A. H. Woodruff. 2,083,758; June 15.
Car retarder for railroads. N. C. L. Brown. 2,083,544; June 15.
Car underframe and constructing same. Railway. H. H. Moss. 2,084,161; June 15.
Carbon black sack. G. B. Eustis. 2,084,296; June 15.
Carbon paper duplicator sheet. H. H. Schutz. 2,084,221; June 15.
Carburetor and supercharger, Combined. L. Leffler. 2,083,787; June 15.
Carburetor attachment. J. G. Hilton. 2,083,650; June 15.
Carburetor mixtures, Method and apparatus for regulating. W. Harrigan. 2,083,907; June 15.
Carburizing furnace. F. J. Peterson. 2,084,002; June 15.
Card case. F. H. Hartzell. 2,084,085; June 15.
Card filing system. M. Vogel. 2,083,757; June 15.
Card, Greeting. M. L. Johntz. 2,083,912; June 15.
Carrier for code messages. J. B. Walker. 2,084,052; June 15.
Carton or container, Paper or cardboard. H. W. S. Palmer and J. Harrington. 2,084,106; June 15.
Carton set-up device, Collapsible egg. D. Levkoff. 2,084,152; June 15.
Cartridge, Blasting. F. H. Armstrong. 2,083,977–80; June 15.
Cartridge, Blasting. A. D. Ferguson. 2,083,699; June 15.
Cartridge, Blasting. A. W. Harris. 2,083,707; June 15.
Cartridge, Blasting. W. Noble. 2,083,735–6; June 15.
Cartridge, Blasting. W. H. Wineman. 2,083,584; June 15.
Case: *See*—
Card case. Loading coil case.
Case for a radio loud speaker and an electric lamp, Mounting. A. R. Turner. 2,083,753; June 15.
Castings, Apparatus for making fire. R. W. Sohl. 2,084,009; June 15.
Casting, Crankshaft. D. J. Campbell. 2,084,129; June 15.
Castings, Making chilled metal mold. C. J. and H. J. Dockray. 2,084,247; June 15.
Castings, Making iron. P. E. Harth and M. A. Baernstein. 2,083,562; June 15.
Catalytic process for the conversion of sulphur compounds. G. C. Connolly. 2,083,895; June 15.
Catch, Safety. E. Morehouse. 2,083,613; June 15.
Cellulose ethers. L. H. Bock and A. L. Houk. 2,083,554; June 15.
Cellulose ethers. L. H. Bock and A. L. Houk. 2,084,125; June 15.
Cellulose fiber adapted for conversion into cellulose derivatives, Manufacture of sheeted. G. A. Richter. 2,083,744; June 15.
Cellulose pulp for paper making purposes, Modifying. I. J. Novak and A. L. Clapp. 2,083,575; June 15.
Chain: *See*—
Tire chain. Watch chain.
Chair. L. E. Goeqen. 2,083,838; June 15.
Chair. E. P. Klar. 2,083,716; June 15.
Check, Elevator-door. H. C. Waldman. 2,083,762; June 15.
Check valve. K. K. Cooper. 2,084,294; June 15.
Chloride, Production of ferric. K. W. F. Dorph and M. C. Taylor. 2,083,692; June 15.
Christmas tree lighting device. A. Abramson. 2,083,536; June 15.
Cigar tip or mouthpiece. A. B. Adair. 2,083,769; June 15.
Circuit closing device. G. H. Brown. 2,084,076; June 15.
Circuit, Railway track. W. T. Powell. 2,083,920; June 15.
Circuit, Timer and signal. A. O. Olafson. 2,083,792; June 15.
Circuits, Amplifier. G. T. Ford. 2,084,135; June 15.
Circuits, Amplifying. R. F. Wirix. 2,083,626; June 15.
Circuits, Control. D. M. Terry. 2,084,115; June 15.
Circuits, Selective coupling. P. O. Farnham. 2,083,904; June 15.
Clamp: *See*—
Fender clamp.
Clasp brake. W. H. Baselt. 2,084,072–4; June 15.
Cleaner element for cleaning machines. R. P. Sword. 2,083,749; June 15.
Cleaner: *See*—
Air cleaner. Conveyer cleaner.
Cleaning device. C. R. Shannon. 2,084,112; June 15.
Clipper, Hair. H. S. Sizer. 2,083,620; June 15.
Clock. P. S. van Bloem. 2,084,050; June 15.
Clock, Electric. A. Strahm. 2,084,226; June 15.
Closure, Container. M. Schwartz. 2,084,007; June 15.
Cloth laying device. S. Iocca. 2,084,144; June 15.
Clothespin or the like. J. Ditto. 2,083,642; June 15.
Clutch mechanism. C. Grimm. 2,083,906; June 15.
Coal breaker. J. R. Hamm and G. E. Benham. 2,084,139; June 15.
Cock, Cylinder. R. A. Light and J. W. Price, Jr. 2,083,610; June 15.
Cock, Gas. B. E. Meacham and W. Lotter. 2,084,210; June 15.
Coin controlled apparatus. S. A. Grosser. 2,084,197; June 15.
Coin controlled device. L. Steiner. 2,083,928; June 15.
Coking plant machine. E. W. Schellentrager. 2,084,110; June 15.
Combination lock. W. B. Grubb, Sr. 2,083,782; June 15.
Combination lock, Electric delayed. W. T. Benham. 2,083,816; June 15.
Combination machine stand. A. J. Anderson and E. C. Keller. 2,084,234; June 15.
Compact. R. Steiner. 2,084,292; June 15.
Compensating network. W. J. Albersheim. 2,084,119; June 15.
Composite material. R. W. Williamson and G. Leonard. 2,084,232; June 15.
Concrete and the like, Treating. J. P. Pfeiffer. 2,083,863; June 15.
Concrete, Apparatus for mixing. P. W. Yett. 2,083,767; June 15.
Condensation derivatives of rubber. T. C. Morris. 2,084,043; June 15.
Condenser motor. F. J. Lyden. 2,084,058; June 15.
Conduit, Flexible. R. S. Begg. 2,083,937; June 15.
Connecting means. C. O. Cozzens. 2,083,831; June 15.
Container: *See*—
Garment container. Milk bottle container.
Container. C. B. Arnold. 2,084,179; June 15.
Container and reclosure. J. M. Hothersall. 2,083,565; June 15.
Control apparatus. D. D. Knowles. 2,084,036; June 15.
Control of electromagnetic track brakes. W. Volkers. 2,084,171; June 15.
Control of variable speed transmission. A. Madlé. 2,083,656; June 15.
Control system. W. H. Gille. 2,083,780; June 15.
Conveyer cleaner. W. M. Puckett. 2,083,864; June 15.
Conveyer mechanism. O. Kelly. 2,084,090; June 15.
Conveying apparatus for continuous strip material. C. E. Moore. 2,084,211; June 15.
Cooker, Frankfurter. S. Kohn. 2,083,717; June 15.
Cooling system. H. H. Marshall. 2,083,611; June 15.
Cooling system for internal combustion engine arrangements. F. H. Brehob. 2,084,187; June 15.
Copper powder, Making. R. P. Lutz. 2,084,154; June 15.
Core extractor, Fruit and vegetable. L. Frank. 2,084,194; June 15.
Corset. J. J. Kispert. 2,084,147; June 15.
Count registering mechanism. A. Gay. 2,083,835; June 15.
Counter and marker, Sheet. F. Renz. 2,084,164; June 15.
Counter for direct measurement in picas, Keyboard perforator. E. S. Larson. 2,083,570; June 15.
Coupler, Hydraulic brake system. J. W. Carroll. 2,084,191; June 15.
Coupling device. B. W. Henning. 2,083,842; June 15.
Cover: *See*—
Running board cover.
Cover breaking mechanism. P. Lariviere. 2,083,720; June 15.
Cover for automobile running boards and the like. G. F. Cavanagh. 2,084,016; June 15.
Cover for running boards and the like. W. E. England. 2,084,021; June 15.
Cover for running boards and the like. C. H. Getz. 2,084,024–5; June 15.
Cover securing device, Automobile running board. B. Bronson. 2,084,015; June 15.
Covering for automobile running boards, Flexible. B. Bronson. 2,084,014; June 15.
Cracker dispenser. E. W. Hicks. 2,083,843; June 15.
Crusher, Jaw. G. Buchanan. 2,084,188; June 15.
Cultivator blade, Surface. F. F. Tennigkeit. 2,083,750; June 15.
Cup: *See*—
Suction cup.
Curler, Hair. P. Tresenberg. 2,083,760; June 15.
Curtain, Adjustable. H. Geller. 2,083,991; June 15.
Curtain rod. L. V. Viola. 2,083,931; June 15.
Cushioning device. D. F. Sproul. 2,084,283; June 15.
Cutting and marking device for sheet material. T. C. Perry. 2,083,577; June 15.
Damper, Draft. F. L. Hitchcock. 2,083,844; June 15.
Decorative laminated product and manufacture. H. A. Faber. 2,084,081; June 15.
Deep well pump. R. L. Chenault. 2,083,687; June 15.
Dental film holder. R. Kenney. 2,084,092; June 15.
Detector: *See*—
Sheet detector.
Detergent composition. W. Blech. 2,083,821; June 15.
Dial, Tuning. A. Blain. 2,084,182; June 15.
Diamino compounds and making same. W. Zerweck and E. Korten. 2,083,890; June 15.
Dichlorohydroxydiphenyl. R. L. Jenkins. 2,084,033; June 15.
Die head for molding presses, Floating. L. W. Vinal. 2,083,676; June 15.
Differential gauge. E. H. Grauel. 2,083,949; June 15.
Dipper, Fruit. S. L. Pearson. 2,083,663; June 15.
Discharge device, Electric. C. H. Peck. 2,084,163; June 15.
Disintegrating mill. N. H. Swanson. 2,084,227; June 15.
Dispenser: *See*—
Bulk food dispenser. Cracker dispenser.
Dispenser. S. Hochstim. 2,084,029; June 15.
Dispensing machine. E. E. Frary. 2,083,779; June 15.
Display device. L. H. Zimmerman. 2,083,973; June 15.

Door construction, Vehicle. F. J. Westrope. 2,084,069; June 15.
Door, Refrigerator car. S. B. Haseltine. 2,083,708; June 15.
Doors, Operating mechanism for. J. A. Youngblood. 2,083,803; June 15.
Double-speed synchronous motor. G. Angst. 2,084,178; June 15.
Doughnut machine. C. E. Carpenter. 2,083,829; June 15.
Driving mechanism for lehr rolls. J. H. Redshaw. 2,084,108; June 15.
Driving mechanism, Protected. R. F. Symonds. 2,083,967; June 15.
Drier: *See*—
Fishing line drier.
Dyes, Preparation of azo. E. Schirm. 2,083,619; June 15.
Dyeing, Apparatus for. M. N. Bulford. 2,084,189; June 15.
Dyestuffs derived from Indophenols, Sulphur. W. Zerweck and W. Hechtenberg. 2,083,891; June 15.
Dyestuffs of the triarylmethane series, Production of. C. Winter and P. Krebs. 2,083,888; June 15.
Edge grinding machine. V. H. Gottschalk. 2,084,138; June 15.
Edible material, Preserving. J. O. Nygaard. 2,083,738; June 15.
Electric fields, Method and apparatus for producing special. B. Riccioni. 2,084,004; June 15.
Electrical conductor terminal device. G. H. Glade, Jr. 2,083,836; June 15.
Electrical indicator. A. J. Kempien. 2,084,202; June 15.
Electrical rectifier. R. M. Gilson. 2,083,647; June 15.
Electrical tester. A. E. F. Billstein. 2,084,274; June 15.
Electrical terminal. R. N. Rowe. 2,083,923; June 15.
Electrically and hydraulically controlled valve, Combined. A. F. Hoppe. 2,084,030; June 15.
Electroacoustical translating device. A. I. Abrahams. 2,083,537; June 15.
Electrolyte and device employing the same. J. T. Owen. 2,084,046; June 15.
Electronic tube. P. G. Weiller. 2,084,172; June 15.
Elevator. L. B. Neighbour. 2,083,857; June 15.
Elevators, Apparatus for controlling airplane. R. W. Ayer. 2,084,122; June 15.
Emulsifying and cream making device. J. E. Marsden. 2,084,156; June 15.
Emulsions, Method and apparatus for electrically treating. C. H. M. Roberts. 2,083,798; June 15.
Emulsions, Method of and apparatus for electrically treating. C. H. M. Roberts. 2,083,799; June 15.
Emulsions, Process and apparatus for treating. W. Woelflin. 2,083,802; June 15.
Endorsing machine. W. F. Muller. 2,084,044; June 15.
Engine: *See*—
Internal combustion engine. Two-cycle engine.
Envelope for dishes. S. C. Pearson. 2,083,741; June 15.
Ether acid halides and making them. N. D. Scott. 2,084,284; June 15.
Expansion joint. F. J. McHugh. 2,084,100; June 15.
Extractor: *See*—
Core extractor.
Extrusion apparatus. P. W. Crane and R. T. Fields. 2,083,557; June 15.
Fan. G. C. Derry. 2,083,833; June 15.
Fan, Air conditioning. B. C. Bartlebaugh. 2,083,813; June 15.
Fan, Centrifugal. T. G. Jonn. 2,083,996; June 15.
Fan or pump, Axial flow. F. Schlicht. 2,084,111; June 15.
Fastener: *See*—
Slide fastener.
Fastener. E. A. Wheeler. 2,083,885; June 15.
Fastener device, Closure. H. D. Sneider. 2,084,114; June 15.
Fastener for containers. S. Smith. 2,083,621; June 15.
Fastening, Inserting machine. F. N. La Chapelle. 2,083,568; June 15.
Fastening-inserting machine. L. S. Macdonald. 2,083,655; June 15.
Fastening, Rail. A. B. Haswell. 2,083,952; June 15.
Fastening, Rotary plow cutter. F. F. Paris. 2,083,662; June 15.
Feeder and waterer, Poultry. F. W. Buckle. 2,084,240; June 15.
Fence post. O. T. and I. L. Larson. 2,084,095; June 15.
Fender clamp, Automobile. W. C. Jackson. 2,084,087; June 15.
Filaments, Lubrication of artificial. C. O. Butler and E. G. Guenther. 2,083,635; June 15.
Film, Photographic stripping. H. R. Couch and J. H. Folwell. 2,083,640; June 15.
Filter: *See*—
Oil filter.
Filter cake washing. O. L. Roberts. 2,083,578; June 15.
Filter elements, Making. G. C. Rensink. 2,083,865; June 15.
Filter for vacuum cleaners, Covered. W. Leathers. 2,083,915; June 15.
Filter making apparatus. E. Roberts. 2,083,921; June 15.
Filter system for loud speakers. J. P. Minton and A. S. Ringel. 2,084,160; June 15.
Filter top for vacuum cleaners. W. Leathers. 2,083,914; June 15.
Filtering machine. W. A. Barrett. 2,083,812; June 15.
Filtering, Process and apparatus for. H. A. Wieneke. 2,083,887; June 15.
Finger ring. T. P. Shields. 2,084,008; June 15.
Firebox, Locomotive. B. E. Larson. 2,083,721; June 15.
Fishing line drier. A. S. Haislip. 2,084,251; June 15.
Fishing reel. P. M. Clifford. 2,083,689; June 15.
Fishing reel. F. C. Sinex. 2,083,927; June 15.
Flashlight holder. G. F. Packard. 2,084,162; June 15.
Flow regulating device. R. T. Cornelius. 2,083,639; June 15.
Fluid brake. F. A. Critz. 2,084,244; June 15.
Fluid transmission having a number of fluid circuits. F. Canaan. 2,083,828; June 15.
Foraminate beds around well casings, Depositing. H. C. White. 2,083,625; June 15.
Form, Garment. W. W. Simpson. 2,084,271; June 15.
4-Aminodiphenyl compounds. R. L. Jenkins. 2,084,034; June 15.
Frame: *See*—
Furnace door frame.
Friction eliminating unit for motion weighing suspension scales. W. H. Ward. 2,083,882; June 15.
Fruits, Processing citrus. R. D. Nedvidek and J. R. MacRill. 2,084,062; June 15.
Fuel control system. B. L. Matthews and J. T. Marvin. 2,083,789; June 15.
Fuel injector. L. O. French. 2,084,057; June 15.
Fuel reclaiming system for combustion engines. H. A. Trussell. 2,083,752; June 15.
Fumes and the like, Destruction of. A. E. Stilson. 2,084,167; June 15.
Funnel and device for opening tops of bottles and jars, Combination. E. O. Loeber. 2,083,788; June 15.
Funnel attachment, Can opening. C. F. Bertschinger. 2,084,013; June 15.
Furnace: *See*—
Carburizing furnace. Slagging furnace.
Metallurgical furnace.
Furnace. T. Crick. 2,083,641; June 15.
Furnace. I. Risdon. 2,083,745; June 15.
Furnace bridge wall. A. Hynd. 2,083,846; June 15.
Furnace construction, Controlled atmosphere. F. T. Cope. 2,083,638; June 15.
Furnace door frame. W. P. Chandler, Jr. 2,084,017; June 15.
Furnace wall construction. G. M. Slaughter and G. W. Black. 2,084,225; June 15.
Fuse for bombs. C. F. Hofstetter. 2,083,564; June 15.
Fuse for projectiles and the like, Delay action. L. E. Rémondy. 2,084,218; June 15.
Fuse link construction. A. G. Steinmayer. 2,084,010; June 15.
Fuse plug assembly. G. M. B. Sener. 2,084,222; June 15.
Game. H. W. Armstrong. 2,083,540; June 15.
Game apparatus. G. E. Macy. 2,083,850; June 15.
Garden tool. G. G. Jerner and H. E. Hokenson. 2,083,786; June 15.
Garment container. L. A. Baum. 2,083,543; June 15.
Garter and other supporting means. R. B. Young. 2,084,174; June 15.
Gas filled lamp, Electric rare. A. Lederer. 2,084,037; June 15.
Gas producer. A. B. Huyck. 2,083,711; June 15.
Gasket. G. T. Balfe. 2,084,054; June 15.
Gate: *See*—
Squeeze gate.
Gate. A. A. McReynolds. 2,083,855; June 15.
Gauge: *See*—
Differential gauge. Saw filing gauge.
Pressure gauge.
Gear shifting device, Fluid pressure operated. D. F. Linsley. 2,084,153; June 15.
Gear shifting mechanism. E. G. Kesling. 2,083,715; June 15.
Generator. M. A. McLennan. 2,084,157; June 15.
Glass, Apparatus for producing laminate. W. C. Bull. 2,084,293; June 15.
Glass articles, Apparatus for forming hollow. H. A. Wadman. 2,084,285; June 15.
Glass, Process and apparatus for making safety. J. H. Sherts. 2,084,113; June 15.
Globe. R. R. Dupler. 2,083,988; June 15.
Glove. G. Arnold. 2,083,935; June 15.
Glove and making the same, Rubber coated. S. J. Burke. 2,083,684; June 15.
Glove, Golf. P. Hay. 2,083,604; June 15.
Grader and carrier, Wheeled earth. R. Fellom. 2,083,643; June 15.
Grating. W. F. Zabriskie. 2,084,118; June 15.
Grille, Radiator. G. Harrison, Jr. 2,083,785; June 15.
Grinding or polishing device. L. Burkhalter. 2,083,685; June 15.
Ground, Process of inspecting the. J. N. Hummel. 2,084,143; June 15.
Guard, Bumper. L. S. Poncher and J. B. Newman. 2,083,742; June 15.
Guard for razors and hair clippers. G. P. Schmitt. 2,083,580; June 15.
Guitar. L. E. Thompson. 2,083,751; June 15.

Hair, Apparatus for waving. H. Bonat. 2,083,823; June 15.
Hair rinse. J. C. Brown. 2,084,127; June 15.
Hair waver. B. A. Sterling. 2,084,166; June 15.
Hair waving device. P. Tresenberg. 2,083,761; June 15.
Hairpin. L. Hovious and G. O. Dougherty. 2,083,845; June 15.
Handle structure. R. C. Lang. 2,083,956; June 15.
Hatching implement. F. Goldis. 2,084,083; June 15.
Headlight indicator and ornament. H. E. Shenehon. 2,083,673; June 15.
Headlight structure. H. T. Ames. 2,084,120; June 15.
Heat insulating mechanism. C. E. Summers. 2,083,622; June 15.
Heat treatment of aluminum alloys. J. A. Nock, Jr. 2,083,576; June 15.
Hoe construction. J. Napolis and S. Dellagola. 2,083,918; June 15.
Holder; *See*—
Dental film holder.
Flashlight holder.
Key holder.
Nursing bottle holder.
Holder for nasal inhalers, Medicament. A. G. Borden. 2,084,299; June 15.
Hood and scarf assembly, Knitted. S. Rosenberg. 2,083,616; June 15.
Humidifier. B. Cohen. 2,083,690; June 15.
Hydraulic brake. H. E. Dayvolt. 2,084,295; June 15.
Hydraulic brake. M. Guthoff, J. N. Flynn, and H. L. Smith. 2,083,951; June 15.
Hydraulic machine. J. D. Scoville. 2,083,797; June 15.
Hydraulic pump. R. E. McGee. 2,083,854; June 15.
Hydrocarbon distillates, Sweetening. J. M. McGee. 2,083,917; June 15.
Hydrocarbon fluids, Apparatus for heating. W. W. Gary. 2,084,277; June 15.
Hydrocarbons for resin manufacture, Pyrolysis of. C. A. Thomas. 2,084,012; June 15.
Hydrocarbons, Polymerizing olefin. L. H. Fitch, Jr. 2,084,082; June 15.
Hydrogen, Production of. G. Schiller and G. Wietzel. 2,083,795; June 15.
Hydroxy-chlorodiphenyl derivatives. M. Hagris. 2,084,027; June 15.
Ignition for internal combustion engines, Controlling the. A. Moore. 2,084,258; June 15.
Ignition system. F. T. Hicks. 2,084,267; June 15.
Index, Card. J. A. Best. 2,084,238; June 15.
Indicating system. W. P. Venzke. 2,084,169; June 15.
Indicator; *See*—
Automobile indicator.
Adjustable spaceboard indicator.
Electrical indicator.
Ingot for typesetting machine feeders. A. H. Jung. 2,083,913; June 15.
Inking mechanism for rotary printing presses. H. M. Barber. 2,083,542; June 15.
Insulating compositions from vermiculite, Manufacture of cementitious. P. S. Deming. 2,084,276; June 15.
Internal combustion engine. G. V. Anderson and A. T. Bremser. 2,083,680; June 15.
Internal combustion engine. A. Andrews. 2,083,808; June 15.
Internal combustion engine. A. P. Brush. 2,083,939; June 15.
Internal combustion engine. W. R. Griswold. 2,083,561; June 15.
Internal combustion engine. A. G. M. Michell. 2,083,730; June 15.
Internal combustion engine. A. R. Wurtele. 2,083,972; June 15.
Isocolloids, Manufacture of sulphurized organic. L. Auer and P. Stamberger. 2,083,549; June 15.
Isocolloids, Manufacture of vulcanized organic. L. Auer. 2,083,550; June 15.
Jack; *See*—
Last jack.
Smoke jack.
Jar wrench. P. F. and F. Marsella. 2,083,957; June 15.
Joint; *See*—
Cable joint.
Expansion joint.
Pipe joint.
Rail joint.
Steering lever joint.
Swivel joint.
Joint and making the same. D. E. Lindquist, J. E. Gray, and H. K. Rader. 2,084,207; June 15.
Joint for metal links. E. B. G. Lefevre. 2,083,609; June 15.
Juice from cut sugar beets and other gas containing substances, Extracting. D. H. J. van Muanen. 2,084,229; June 15.
Kettle. J. M. Beck. 2,083,632; June 15.
Key holder. R. M. Schupbach. 2,084,260; June 15.
Keyway forming machine. H. E. Morton. 2,084,061; June 15.
Knitting machine. V. Lombardi. 2,083,723; June 15.
Lamp; *See*—
Gas filled lamp.
Lamp. C. Adler, Jr. 2,084,176; June 15.
Lamp and similar device, Incandescent. P. O. Cartun. 2,084,192; June 15.
Lapping machine. H. S. Indge. 2,084,279; June 15.
Last jack. J. T. Drohan. 2,083,897; June 15.
Latch for interchangeable lens mounts. V. V. Colaiace. 2,083,637; June 15.
Latch mechanism, Automobile hood. S. F. Ruggiero. 2,083,963; June 15.
Launching device. H. L. Adams. 2,083,805; June 15.
Lead bullion, Desilverizing. F. P. Clark. 2,083,892; June 15.
Leg, Artificial. C. F. Clack. 2,083,830; June 15.
Lens cap and finder arrangement for motion picture apparatus. A. E. Schubert. 2,083,670; June 15.
Lens for headlights. J. T. Hoal. 2,084,254; June 15.
Level. G. W. Wilson. 2,084,053; June 15.
Lid nailing machine, Automatic. H. Paxton, G. C. Paxton, and H. D. Benson. 2,084,048; June 15.
Light relay. A. Karolus. 2,084,201; June 15.
Lighter. J. Galter. 2,084,196; June 15.
Lighting system for toys, Electric. C. A. Brethen. 2,083,594; June 15.
Liner for type slug casting machines. J. W. Hemlin and C. A. Anderson. 2,083,911; June 15.
Liquid dispensing. W. H. Lolley and H. T. Goss. 2,084,288; June 15.
Liquid dispensing apparatus. T. G. Ferguson. 2,083,776; June 15.
Liquid dispensing device. G. Schulz. 2,083,964; June 15.
Liquid dispensing device, Compressed air operated. G. Schulz. 2,083,965; June 15.
Liquid treating apparatus. R. F. Goecke. 2,083,837; June 15.
Liquids with fluid fuel, Apparatus for heating. W. J. Handley. 2,084,287; June 15.
Loading coil case. J. R. Bardsley. 2,084,123; June 15.
Lock; *See*—
Combination lock.
Permutation lock.
Sash lock.
Trunk lock.
Lock. W. R. Schlage. 2,083,796; June 15.
Lock for window shades, Cord. F. Džierženga. 2,084,265; June 15.
Lock means for gasoline tank caps. E. Olsen. 2,084,045; June 15.
Lock washer. C. H. Ribble and A. J. Heldt. 2,084,109; June 15.
Loom picker. F. W. Merrick. 2,084,102; June 15.
Looms, Sideline eliminator for automatic. J. Hetherington. 2,084,140; June 15.
Lubricating apparatus. F. S. Barks. 2,083,590–1; June 15.
Lubricating device. N. V. Smith. 2,083,875; June 15.
Lug, Solderless connecter. E. G. Johansson. 2,083,606; June 15.
Machine and process for making bottle collars and the like. H. F. Affelder. 2,083,539; June 15.
Machine for applying pressure to shoe bottoms. S. J. Finn. 2,083,777; June 15.
Machine for coating cans. A. L. Kronquest. 2,084,093; June 15.
Machine for coating cans. A. L. Kronquest and C. J. Aulbach. 2,084,094; June 15.
Machine for making material for containers, container covers, and the like. J. Jonassen. 2,083,566; June 15.
Machine for molding rods. N. Corsi. 2,083,986; June 15.
Machine for smoothing fasteners. G. Sundback. 2,083,930; June 15.
Machine tool, Hand fed. W. H. Nichols. 2,083,858; June 15.
Magnet, Organ action. A. Floro and A. G. Sabol. 2,083,644; June 15.
Magnetic materials, Producing. A. L. Dixon and J. V. Davis. 2,084,133; June 15.
Magnifying system. E. A. Gubisch. 2,083,600; June 15.
Marker. J. J. Jobe. 2,084,088; June 15.
Massaging device for gums. H. Clarren. 2,083,595; June 15.
Material, Apparatus for breaking. R. W. Dull. 2,083,697; June 15.
Material, Apparatus for coating. R. C. Lawrence. 2,084,150; June 15.
Material-breaking apparatus. F. H. Armstrong. 2,083,548; June 15.
Material breaking apparatus. F. H. Armstrong. 2,083,981; June 15.
Material-breaking apparatus. L. A. Maxson. 2,083,729; June 15.
Material breaking device. F. H. Armstrong. 2,083,975–6; June 15.
Material breaking method and apparatus. C. F. Osgood. 2,083,739; June 15.
Material, Tree band. G. H. Buchanan. 2,083,984; June 15.
Materials, Apparatus for drying and treating wet granular. G. A. Vissac. 2,083,756; June 15.
Materials, Manufacture of artificial. H. Dreyfus. 2,083,694; June 15.
Materials, Weighting textile. H. S. Bosland. 2,083,982; June 15.
Matter, Apparatus for extruding. E. W. Larsen. 2,084,149; June 15.
Mattress or cushion, Spring filled. J. W. Bowersox. 2,083,555; June 15.
Measuring device. B. Fuchs. 2,083,990; June 15.
Measuring device, Illuminated. F. H. Scantlebury. 2,083,924; June 15.
Meat branding. B. E. Williams. 2,083,765; June 15.
Meat tendering device. W. C. La Berge. 2,083,848; June 15.
Metal expanding machine. J. J. Carroll. 2,083,775; June 15.
Metallurgical furnace. A. M. Capper. 2,084,241; June 15.

Metalworking press. F. J. Rode and A. Ziska. 2,084,066; June 15.
Metal, Method of and apparatus for shaping. M. H. Ward. 2,083,763; June 15.
Microscope filter system. E. S. Bissell. 2,083,820; June 15.
Milk bottle container, Safety. W. H. Van Buskirk. 2,084,228; June 15.
Milk preheater. A. W. Adams. 2,083,679; June 15.
Mill; *See*—
Disintegrating mill.
Mill drive and controlling system, Rolling. A. F. Kenyon and W. G. Cook. 2,084,035; June 15.
Mill entry box. S. Nyberg. 2,083,660; June 15.
Model display device, Collapsible. I. Edelman. 2,083,597; June 15.
Moisture to motors, Device for supplying. J. E. Bowman. 2,083,683; June 15.
Mold appliance, Orthodontic. T. Hill and C. P. Lucas. 2,083,563; June 15.
Molding. D. J. Campbell. 2,084,128; June 15.
Motor; *See*—
Condenser motor.
Double-speed synchronous motor.
Motor control, System of. H. B. La Roque. 2,084,206; June 15.
Motor drive for motion picture cameras. A. B. Fuller. 2,083,646; June 15.
Mounting, Engine. P. C. A. M. d'Auberšde. 2,084,080; June 15.
Mounting for grinding machines, Carriage. H. E. Balsiger and C. L. Ott. 2,083,682; June 15.
Mounting, Inscription tablet. E. C. Sisson and J. D. Stokes. 2,083,873; June 15.
Mounting, Ophthalmic. S. E. Bouchard. 2,083,772; June 15.
Mounting, Ophthalmic. C. W. Johnson. 2,084,199; June 15.
Mounting, Vehicle wheel. E. F. Brunner. 2,084,077; June 15.
Muffler. L. L. Haas. 2,083,840; June 15.
Musical instrument. R. M. George and L. J. Lalli. 2,084,266; June 15.
9-amino-3,6-dimethoxy-10-methyl-acidinium chlorides, Preparing. S. Hata, K. Matsumura, and K. Ishihara. 2,083,908; June 15.
Nonskid device for motor vehicles. G. Ballard. 2,083,631; June 15.
Nozzle, Spraying. F. E. Marcy. 2,083,851; June 15.
Nursing bottle holder. K. W. Charles. 2,084,243; June 15.
Nut-cracking machine. J. M. Walling. 2,083,968; June 15.
Oil and making the same, Bodied tung. T. H. Geiger and L. M. Burgess. 2,084,137; June 15.
Oil burner. H. F. Daniels. 2,083,832; June 15.
Oil filter. T. E. Aldham. 2,083,546; June 15.
Oil from coke-oven gas, Recovery of light. H. W. Seyler and J. H. Wells. 2,084,223; June 15.
Oil, Lubricating. B. H. Shoemaker. 2,084,270; June 24.
Oil, Solvent refining mineral. L. A. Clarke. 2,083,893; June 15.
Oil, Treating. J. McKee. 2,083,572; June 15.
Oil-wax mixtures, Treatment of. J. A. Alexander. 2,083,547; June 15.
Oil well drilling apparatus, Rotary. E. M. Lewis. 2,084,096; June 15.
Ophthalmic device. A. M. Krementz. 2,083,999; June 15.
Overalls. F. V. Lucas. 2,084,208; June 15.
Oxy-compounds, Purification of organic. R. Z. Moravec, T. Evans, and C. Humphreys. 2,083,856; June 15.
Package and producing the same, Yarn. C. H. Meadows. 2,084,101; June 15.
Packaging apparatus. L. L. Salfisberg. 2,083,618; June 15.
Packaging machine. L. L. Salfisberg. 2,083,617; June 15.
Packing, Gauge glass. F. M. Roby. 2,083,794; June 15.
Paint spraying machine. T. F. Brackett. 2,083,633; June 15.
Paper, Apparatus for and method of deckling. C. B. Griffin. 2,084,278; June 15.
Paper machine and making paper, Cylinder. E. E. Berry. 2,083,818–19; June 15.
Parachute. J. H. Poole. 2,083,743; June 15.
Pavement and making pavements. A. R. Ebberts and E. Johnstone. 2,083,900; June 15.
Pen point. K. K. Ledig. 2,084,000; June 15.
Permanent waving, Method and apparatus for. H. Bonat. 2,083,822; June 15.
Permutation lock. E. North. 2,083,859; June 15.
Peroxide, Producing alkali metal. G. L. Cunningham. 2,083,691; June 15.
Petroleum gas, Vaporizing liquefied. J. W. Martin. 2,084,297; June 15.
Petroleum, Method and apparatus for dehydrating. H. C. Eddy. 2,083,801; June 15.
Photocell amplifier. R. A. Braden. 2,084,186; June 15.
Photographic emulsions, Sensitizing. W. Zeh. 2,083,804; June 15.
Photographic print-out material having a design thereon. J. C. Ville. 2,083,675; June 15.
Picker arm for potato planters. A. E. W. Johnson and J. I. Mitchell. 2,083,713; June 15.
Picture sound head, Moving. J. N. Ehrmeyer. 2,083,558; June 15.
Pile, Protected. J. W. B. Blackman. 2,083,592; June 15.
Piling, Making protected. J. W. B. Blackman. 2,083,593; June 15.
Pilot for valve grinding tools. H. W. Zimmerman. 2,084,175; June 15.
Pinking machine. R. J. Hearne. 2,083,909; June 15.
Pipe and producing the same, Coated metal. P. McIlroy. 2,084,209; June 15.
Pipe covering, Cellular heat insulation. R. Donley, Sr. 2,083,596; June 15.
Pipe joint. C. T. Walter. 2,083,970; June 15.
Pipe line treating system. W. Woelflin. 2,083,800; June 15.
Pipe section and coupling therefor. W. E. Stitzer. 2,083,966; June 15.
Piston lubricating means. G. D. Caldwell and L. E. Hood. 2,083,636; June 15.
Planting and transplanting, Method and apparatus for. D. W. Levandowsky. 2,083,571; June 15.
Plastic composition and articles and making the same. A. J. Auchterlonie. 2,084,272; June 15.
Plaster, Insulating. G. A. New. 2,083,961; June 15.
Plate finishing and trimming machine. E. W. Dean. 2,083,898; June 15.
Plow, Breaking. E. S. Cascadden. 2,084,055; June 15.
Plug; *See*—
Spark plug.
Plunger or the like operating mechanism. A. L. Keltner. 2,084,091; June 15.
Post; *See*—
Fence post.
Potassium phosphates and ammonium phosphates, Separate recovery of. O. Kaselitz. 2,083,652; June 15.
Power system, Electric. E. F. W. Alexanderson and A. H. Mittag. 2,084,177; June 15.
Power transmission mechanism. P. M. Salerni. 2,084,219; June 15.
Press; *See*—
Metalworking press.
Printing press.
Pressure gauge. H. M. Jones. 2,084,089; June 15.
Pretzel making machine. H. A. Elliott. 2,084,193; June 15.
Printing device. A. E. Long. 2,084,098; June 15.
Printing machine, Rotary. G. Turrall. 2,083,754; June 15.
Printing press. C. A. Meisel. 2,084,281; June 15.
Products bonded with the resinous reaction products from polyhydric alcohols and boric acid compounds. W. A. Boughton and W. R. Mansfield. 2,084,262; June 15.
Products bonded with resinous reaction products from polyhydric alcohols and phosphoric acid compound. W. A. Boughton and W. R. Mansfield. 2,084,263; June 15.
Programs, Selecting radio. R. C. Lane. 2,084,205; June 15.
Propane dewaxing. H. O. Forrest and L. Van Horn. 2,083,700; June 15.
Propeller. H. A. Hall. 2,083,992; June 15.
Propeller blade. H. A. Hall. 2,083,993; June 15.
Propeller clamping and balancing ring. J. E. Larason. 2,083,569; June 15.
Propeller unit. L. P. Baumann and L. L. Walker. 2,083,771; June 15.
Protective device for collapsible tubes. F. A. Beach. 2,084,273; June 15.
Protective system for rectifiers. W. Fouquet. 2,083,701; June 15.
Pulverizer. P. R. Cassidy. 2,083,941; June 15.
Pump; *See*—
Deep well pump.
Hydraulic pump.
Pump. R. E. Grey and B. L. Boynton. 2,083,560; June 15.
Pumping system for gold dredges. W. S. Taylor and W. T. Price. 2,083,582; June 15.
Push bench method and apparatus. W. H. Engelbertz. 2,083,698; June 15.
Rabat. M. Di Iorio. 2,083,712; June 15.
Radiator. A. J. Schutt. 2,083,671; June 15.
Radio receiver scale. U. Quintavalle. 2,084,217; June 15.
Radio signaling system. L. E. Barton. 2,084,180–1; June 15.
Radio tuning device, Automatic. J. La Via. 2,083,722; June 15.
Rail bond. H. H. Febrey. 2,083,946; June 15.
Rail bond. S. Moreira. 2,084,212; June 15.
Rail flaw detector mechanism. H. C. Drake and A. Winburn. 2,083,896; June 15.
Rail joint. J. Dobrowolny. 2,084,286; June 15.
Rake. L. O. E. Roessel. 2,083,922; June 15.
Razor and hair clipper. G. P. Schmitt. 2,083,579; June 15.
Receptacle. G. Rottman. 2,083,868; June 15.
Reel; *See*—
Fishing reel.
Reel for grain harvesting machines. L. Rosenvold. 2,084,049; June 15.
Refractometer. J. W. Forrest. 2,083,778; June 15.

Refrigerating apparatus on trucks. C. A. Ives. 2,084,032; June 15.
Regulator: *See*—
Voltage regulator.
Relay. O. S. Field. 2,083,902; June 15.
Reservoir, Portable. J. D. Babb. 2,084,236; June 15.
Resilient constructional element. A. J. Záruba. 2,084,116; June 15.
Resin, Artificial. E. C. Kneale. 2,084,203; June 15.
Resinous and wax-like reaction products from polyhydric alcohols and boric acid compounds. W. A. Boughton and W. R. Mansfield. 2,084,261; June 15.
Resinous material and producing. A. L. Osterhof. 2,084,213; June 15.
Resinous materials and preparing the same, Synthetic. H. I. Waterman. 2,083,883; June 15.
Resinous mercaptazole derivatives. J. Teppema. 2,084,011; June 15.
Ring: *See*—
Finger ring.
Propeller clamping and balancing ring.
Ring. G. Schmidt. 2,083,925; June 15.
Road finishing machine. W. U. Vinton. 2,084,068; June 15.
Road measuring apparatus. L. W. Hall. 2,083,841; June 15.
Rod: *See*—
Curtain rod.
Weld rod.
Rod-packing, Metallic. J. Badeker. 2,084,235; June 15.
Roll for films, Storage. F. Mouber. 2,084,041; June 15.
Rotary printing machine. S. H. Paxton. 2,083,862; June 15.
Rubber composition. G. D. Kratz and W. Jackson. 2,083,998; June 15.
Rubber derivatives. T. C. Morris. 2,084,042; June 15.
Rubber, Vulcanization of. J. G. Lichty. 2,084,038; June 15.
Running board. G. N. Edwards. 2,084,019; June 15.
Running board cover. G. N. Edwards. 2,084,018; June 15.
Running board cover. C. H. Getz. 2,084,023; June 15.
Sales system, Automatic. H. J. Furber. 2,083,947; June 15.
Sandwich bag. W. L. Offenbacher. 2,083,860; June 15.
Sash construction. C. M. Verhagen. 2,084,170; June 15.
Sash for dial scales. A. Bousfield. 2,083,825; June 15.
Sash guide and seal. B. A. Chaplow. 2,084,130; June 15.
Sash lock. A. P. Swanson. 2,083,878; June 15.
Saw filing gauge. E. L. Woodbury. 2,083,586; June 15.
Scale, Weighing. C. I. Gesell. 2,083,948; June 15.
Screen grid oscillator. H. Shore. 2,083,926; June 15.
Screw. E. E. Clark. 2,084,079; June 15.
Screw driver. N. Schelot and E. E. Vahle. 2,084,220; June 15.
Screws, Making. E. E. Clark. 2,084,078; June 15.
Scrubber. E. C. Weisgerber. 2,083,764; June 15.
Seal for automotive engines, Dust. W. F. Brenner. 2,083,983; June 15.
Seal for connecting the ends of a metal band binding a package, Metal. A. Rebiehon and S. Sicard. 2,084,063; June 15.
Seam-protecting attachment for cloth shearing machines. C. G. Richardson and J. W. Hogue. 2,084,301; June 15.
Self-centering washer. J. A. T. Napier. 2,083,658; June 15.
Separation, Apparatus for centrifugal. A. E. Duerig. 2,083,899; June 15.
Separator. I. E. Smith. 2,083,674; June 15.
Separator for water and gasoline. T. R. Padgett. 2,083,861; June 15.
Shaker, Condiment. E. Watson. 2,083,624; June 15.
Sheaf and sheaf device, Spirally-bound. W. Grumbacher. 2,083,703; June 15.
Shearing machine, Automatic. C. G. Richardson and J. W. Hogue. 2,084,300; June 15.
Sheet detector. H. T. Backhouse. 2,083,936; June 15.
Sheet feeding machine. R. Reinartz. 2,084,065; June 15.
Sheets, Transferring and inserting. H. C. Bucham. 2,083,556; June 15.
Shelf construction for wall counters. P. H. Meyer. 2,083,791; June 15.
Shelving, Universal method of. A. D. Kahan. 2,083,997; June 15.
Ship raising device. D. N. Diamantides. 2,084,246; June 15.
Shock absorber, Hydraulic. J. C. McGinnes. 2,084,001; June 15.
Shoe. F. Belyea. 2,083,938; June 15.
Shoe and making the same. W. H. Nutt. 2,083,659; June 15.
Shoe heel attachment. H. Gordon. 2,083,359; June 15.
Showcase. L. M. Sawin. 2,084,006; June 15.
Sight for firearms. F. S. Wilcox. 2,083,677; June 15.
Sight for firearms, Adjustable peep. T. R. Arden. 2,083,934; June 15.
Sign and cover, Revolving tire. R. B. Anderson. 2,083,806; June 15.
Signal: *See*—
Traffic control signal.
Signal control, Direction. T. C. Crenshaw. 2,084,132; June 15.
Signal receiving apparatus, Electric selective. A. S. Littström. 2,083,849; June 15.
Signaling system. O. Myers. 2,084,104; June 15.
Signaling system. W. Runge. 2,083,747; June 15.
Signaling system, High frequency. R. K. Potter. 2,083,666; June 15.
Sill, Top. M. P. Blomberg. 2,083,553; June 15.
Sinker. P. R. Angelica. 2,083,630; June 15.
Sizing, Mechanism for. J. C. Temple. 2,083,759; June 15.
Slab and building construction. C. F. Davis. 2,083,987; June 15.
Slab building structure, Pre-formed. F. A. Manske and R. V. Yeager. 2,083,725; June 15.
Slack adjuster, Automatic. E. E. Hewitt. 2,083,710; June 15.
Slagging furnace. W. E. Caldwell and E. H. Man. 2,084,190; June 15.
Slide fastener. S. H. Norton. 2,083,919; June 15.
Smoke jack. E. H. Wells, Jr. 2,083,933; June 15.
Smoking apparatus. G. F. Heubeck. 2,083,953; June 15.
Sodium hydrosulphite, Preparation of. N. D. Scott, J. F. Walker, and V. L. Hansley. 2,083,870; June 15.
Sole for shoes, Inner. B. J. Silver. 2,083,581; June 15.
Sound, Recording and reproducing. M. Bender. 2,083,815; June 15.
Spark control, Automatic. H. W. Meade. 2,084,158; June 15.
Spark plug. J. J. Mascuch, F. G. Gardner, and L. W. G. Flynt. 2,083,916; June 15.
Speculum. C. V. Morgan. 2,083,573; June 15.
Spool, Cinematographic film. W. Schulz. 2,084,165; June 15.
Spraying machine. T. F. Brackett. 2,083,634; June 15.
Spring suspension. M. Olley. 2,083,661; June 15.
Squeeze gate. C. W. Johnson. 2,084,255; June 15.
Stake. B. H. Bradford. 2,084,239; June 15.
Stand: *See*—
Combination machine stand.
Starch, Production of. A. Fritze. 2,084,250; June 15.
Station selecting system. A. S. Benjamin. 2,083,552; June 15.
Steam generator for cloth pressing and steaming devices. A. H. Schmidt. 2,084,282; June 15.
Steam trap. J. W. Barton. 2,083,770; June 15.
Steering lever joint. W. A. Kull and O. Rasmussen. 2,083,718; June 15.
Stoker. O. N. Moore and R. P. Moore. 2,084,060; June 15.
Stool, Swivel. W. Frey. 2,084,249; June 15.
Strainer, Well. E. G. Boyer. 2,084,185; June 15.
Strip, Rolling. H. S. Lamb. 2,084,148; June 15.
Suction cup. F. C. Brewer and F. W. Johanet. 2,084,126; June 15.
Sulphonates of tertiary alcohols, Production of. A. Hintermaier. 2,084,253; June 15.
Sulphur and other fungicidal and insecticidal substances, Method and apparatus for vaporizing. E. F. Guba. 2,083,950; June 15.
Sulphur compounds, Treatment of. G. C. Connolly. 2,083,894; June 15.
Support: *See*—
Tool support.
Support. M. Grieve. 2,083,839; June 15.
Support and protecting device for fluid dispensing cylinders. W. G. Watkins. 2,084,231; June 15.
Support and trellis, Plant. D. G. Wilson. 2,083,678; June 15.
Supporter. C. F. Schuessler. 2,083,869; June 15.
Supporter, Garment. A. C. Wurtzer. 2,083,587; June 15.
Supporting and anchoring means for wire lathing. G. H. Reed. 2,083,615; June 15.
Supporting device. G. T. Mott. 2,083,574; June 15.
Surface cleaning device. L. O. Balinger. 2,083,551; June 15.
Surgical appliance. W. J. Fox. 2,083,904; June 15.
Surgical dressing, Wrapped rolled. E. E. Dickson. 2,084,264; June 15.
Surgical instrument. B. O. Frezieres. 2,084,195; June 15.
Swatter, Fly. F. S. Matteson. 2,083,727; June 15.
Switch: *See*—
Thermostatically operated switch.
Switch mechanism, Float controlled. J. Van Vulpen, E. A. Russell, and P. B. Parks. 2,084,051; June 15.
Swivel joint. A. P. Fox. 2,083,599; June 15.
Tape-drawing arrangement. P. F. Hughes, Jr. 2,084,031; June 15.
Tapping machine. E. D. Frank. 2,084,022; June 15.
Telephone control system. O. Myers. 2,084,105; June 15.
Telephone system. W. Pfaff. 2,084,003; June 15.
Telephone system, Prepayment. E. N. Anderson, H. M. Bascom, E. L. Getz, and G. Sandalls, Jr. 2,084,121; June 15.
Television. F. C. P. Henroteau. 2,083,995; June 15.
Temperature changing system employing plural temperature changing devices. J. T. Midyette, Jr. 2,083,612; June 15.
Temperature controlling system. L. H. Von Ohlsen. 2,083,932; June 15.

Temperature controlling system, Room. L. M. Persons. 2,083,664; June 15.
Thermostatically operated switch. J. Pagano. 2,084,214; June 15.
Three-way mixing valve. M. O. Snediker. 2,083,876; June 15.
Threshing machines, Attachment for. R. Thompson. 2,083,879; June 15.
Thumb-guard. M. C. Blendinger. 2,084,183; June 15.
Time-printing construction. A. E. Long. 2,084,097; June 15.
Tire and rim construction. E. E. Wittkopp. 2,083,766; June 15.
Tire chain. W. G. Fitz Gerald. 2,083,903; June 15.
Toaster. D. F. McPherson. 2,084,059; June 15.
Toilet article. A. F. Reilly. 2,084,064; June 15.
Toilet article and making same. A. E. Serewicz. 2,083,871; June 15.
Tool: *See*—
Garden tool.
Machine tool.
Vegetable tool.
Tool carriage control, Machine. A. P. Steiner. 2,083,748; June 15.
Tool support. G. E. Mirfield. 2,084,040; June 15.
Tooth brush, Folding. H. G. Mayer. 2,083,728; June 15.
Tracer apparatus. J. L. Anderson. 2,083,588; June 15.
Track shoe and shunting circuit. J. Ledwinka. 2,084,257; June 15.
Traffic control signal, Vehicular. J. R. Burress. 2,083,826; June 15.
Trailer hitch. J. M. Ranger. 2,084,291; June 15.
Train describer system. S. N. Wight. 2,084,302; June 15.
Transmission assembly for generator drives. W. A. Pitt, Jr. 2,084,259; June 15.
Transmission system. R. D. Fracassi. 2,083,645; June 15.
Transmission system. E. Küsemann. 2,083,653; June 15.
Trap: *See*—
Steam trap.
Truck, Spring plankless. W. C. Hedgcock. 2,084,028; June 15.
Trunk lock. K. A. Franzen. 2,083,702; June 15.
Tube: *See*—
Electron tube.
Tube. F. E. Key. 2,084,145; June 15.
Tube expeller, Collapsible. P. M. Harwick. 2,083,603; June 15.
Tube making and copper coating process. B. L. Quarnstrom. 2,084,268; June 15.
Tubes from web material, Forming laminated. C. T. Walter. 2,083,969; June 15.
Tunneling machine. L. Galuppo, J. Petti, and A. Coccia. 2,083,834; June 15.
Turnstile. S. Madsen. 2,084,280; June 15.
Twine package. T. O. Dunkerke. 2,084,134; June 15.
Two-cycle engine. A. Andrews. 2,083,807; June 15.
Typewriter carriage return and platen spacer mechanism. E. Perozo. 2,084,215; June 15.
Umbrella handle and the like and identification means therefor. M. H. Siegel. 2,083,872; June 15.
Unit cylinder clasp brake. W. H. Baselt. 2,084,071; June 15.
Unit cylinder drum brake. W. C. Hedgecock. 2,083,910; June 15.
Unloader for compressors. E. M. Paullin, Jr. 2,083,740; June 15.
Upholstery construction. A. M. Bank. 2,083,810–11; June 15.
Valve: *See*—
Air valve.
Check valve.
Electrically and hydraulically controlled valve.
Three-way mixing valve.
Valve. A. Ferrari, C. Rafanelli, and M. Scalione. 2,084,248; June 15.
Valve control for gas burners. J. A. Byers and G. C. Carnahan. 2,083,985; June 15.
Valve for feeding devices. F. Maccoy. 2,084,099; June 15.
Valve mechanism, Sensitive. J. C. Campbell. 2,083,774; June 15.
Valve rod guide for flush tanks. A. Lancelotte. 2,083,955; June 15.
Valve system, Electric. A. H. Mittag. 2,084,159; June 15.
Varnishes, Cooked. H. A. Endres. 2,084,020; June 15.
Varnishes, Cooked. J. A. Lutz. 2,084,039; June 15.
Vegetable tool. P. W. Stephens. 2,084,067; June 15.
Vegetable washing machine. C. E. Rife. 2,083,867; June 15.
Vehicle. J. C. Rumsey. 2,083,746; June 15.
Vehicle control device. R. J. Burton and R. B. Parker. 2,083,940; June 15.
Vehicles having leaf springs, Lifting. H. A. Chase. 2,083,942; June 15.
Velocity, Apparatus for indicating. E. R. Evans. 2,083,945; June 15.
Vending and weighing machine. N. E. May. 2,083,958; June 15.
Ventilator for truck bodies. T. M. Jones. 2,083,567; June 15.
Vessels, Lining metallic. S. M. Seerist. 2,084,298; June 15.
Vinyl derivative articles, Making. G. E. Zelger. 2,083,628; June 15.
Voltage regulator. Rectifier output. F. D. Williams, Jr. 2,084,117; June 15.
Washer: *See*—
Lock washer.
Waste paper de-inking and de-fibering process and apparatus. H. D. Wells. 2,083,884; June 15.
Watch chain, Rosary. J. F. Leitner. 2,084,151; June 15.
Water closet. P. E. Jertberg. 2,083,605; June 15.
Water extracting device for paper machines and making paper. E. E. Berry. 2,083,817; June 15.
Weighing apparatus. O. P. Haegele. 2,083,783; June 15.
Weld rod. A. G. de Golyer. 2,084,275; June 15.
Wheel: *See*—
Air pump wheel.
Whistle, Mechanical adjustable. T. Ruhlmann. 2,083,669; June 15.
Window construction, Double. R. A. Miller. 2,084,103; June 15.
Window construction, Double. J. C. Parkinson. 2,084,107; June 15.
Window panes, Guiding and cushioning means for slidable. J. S. Reid. 2,084,269; June 15.
Wrapper and making the same, Transparent printed. I. Gurwick. 2,084,026; June 15.
Wrench: *See*—
Jar wrench.
Yarn and filament twisting device. G. D. Major. 2,083,724; June 15.
Yeast, Preparation of highly enzymatic. I. A. Effront. 2,083,598; June 15.

CLASSIFICATION OF PATENTS

ISSUED JUNE 15, 1937

NOTE.—First number = class, second number = subclass, third number = patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Absopure Water Company, Inc., Detroit, Mich. Distilled water and natural mineral spring water. Serial No. 392,072; June 22. Class 45.

Adam, J. N., & Co., Buffalo, N. Y. Furniture. Serial No. 390,398; June 22. Class 32.

Albrecht, Carl A., Columbus, Ohio. Flushing compound for the cooling systems of internal combustion engines. Serial No. 389,222; June 22. Class 6.

Alexander, Bertha, also known as Madame Alexander, doing business as Alexander Doll Company, New York, N. Y. Dolls. Serial No. 391,942; June 22. Class 22.

Alexander, Bertha, also known as Madame Alexander, doing business as Alexander Doll Company, New York, N. Y. Dolls. Serial Nos. 392,002–4; June 22. Class 22.

Allied Mills, Inc., Chicago, Ill. Dog food. Serial No. 390,346; June 22. Class 46.

Amaya, Andrew, San Antonio, Tex. Preparation known as a sealer or inhibitor. Serial No. 385,432; June 22. Class 16.

American Agricultural Chemical Company, The, New York, N. Y. Carbonate of ammonia. Serial No. 386,715; June 22. Class 6.

American Agricultural Chemical Company, The, New York, N. Y. Edible gelatine. Serial No. 386,716; June 22. Class 46.

American Concrete and Steel Pipe Co., Los Angeles, Calif. Cementitious acid proofing material for lining or coating steel or concrete pipes, etc. Serial No. 390,883; June 22. Class 12.

American Crayon Company, The, Sandusky, Ohio. Crayons. Serial No. 392,128; June 22. Class 37.

American Lithofold Corporation, St. Louis, Mo. Manifold sheets. Serial No. 389,627; June 22. Class 37.

American Physicians Specialties Co. (See Kronenberg, Isaac B.)

Andresen Corporation, Chicago, Ill. Bituminous road construction material. Serial No. 391,454; June 22. Class 12.

Arens, Egmont, doing business as Lilliput Lumber, New York, N. Y. Lumber in small sizes for model making. Serial No. 392,005; June 22. Class 12.

Armstrong Cork Products Company, Lancaster, Pa. Vibration mountings, cushions, pads, etc. Serial No. 391,606; June 22. Class 50.

Artistic Foundations, Inc., New York, N. Y. Corsets and brassières. Serial No. 378,922; June 22. Class 39.

Artistic Foundations, Inc., New York, N. Y. Girdles, corsets, and brassières, etc. Serial No. 390,580; June 22. Class 39.

Avery Farm Machinery Company, Peoria, Ill. Harvester-thresher combines. Serial No. 390,893; June 22. Class 23.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 391,609; June 22. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 391,845; June 22. Class 17.

Babbitt, B. T., Inc., New York, N. Y. Lye. Serial No. 391,735; June 22. Class 6.

Barker, Fred H., doing business as Barker Products Company, Long Beach, Calif. Dehydrated and processed soup. Serial No. 391,514; June 22. Class 46.

Binney & Smith Co., New York, N. Y. Carbon black for use in the cement industry. Serial No. 390,406; June 22. Class 12.

Blauswanger & Company, Inc., Greensboro, N. C. Glass in sheets. Serial No. 390,498; June 22. Class 33.

Blair Distilling Company, Chicago, Ky. Whiskey. Serial Nos. 392,741–2; June 22. Class 49.

Bloch & Guggenheimer Inc., Long Island City, N. Y. Pickles, mixed pickles, dill pickles, etc. Serial No. 391,413; June 22. Class 46.

Bloomingdale Bros., Inc., New York, N. Y. Moth preparations. Serial No. 387,170; June 22. Class 6.

Bloomsburg Silk Mill, New York, N. Y. Rayon piece goods of acetate and viscose. Serial No. 389,633; June 22. Class 42.

Boyer Chemical Laboratory Co., Inc., doing business as Boyer Chemical Works, Chicago, Ill. Scouring powder. Serial No. 391,799; June 22. Class 4.

Bradford Dyeing Association, U. S. A., Bradford, R. I. Publication. Serial No. 390,832; June 22. Class 38.

Brady Shutter Company, Limited, The, Montreal, Canada. Shutters. Serial No. 388,429; June 22. Class 12.

Brentwood Produce Association, Brentwood, Calif. Fresh citrus fruits, fresh deciduous fruits, and fresh vegetables. Serial No. 385,391; June 22. Class 46.

Brown Company, Portland, Maine, and Berlin, N. H. Artificial leather. Serial No. 390,299; June 22. Class 50.

Bullock's, Inc., Los Angeles, Calif. Beds, chests of drawers, vanity dressers, etc. Serial No. 389,673; June 22. Class 32.

Burdick Corporation, The, Milton, Wis. Equipment for producing high frequency currents for therapeutic uses. Serial No. 391,618; June 22. Class 44.

Cardinal Paint Corporation, St. Louis, Mo. Paints, varnish, and paint enamels. Serial Nos. 391,621–2; June 22. Class 16.

Casey, James B., Fulton, Ky. Preparation to invigorate the growth of the hair, and for treating dandruff and eczema. Serial No. 390,779; June 22. Class 6.

Century Lighting, Inc., New York, N. Y. Electrically operated light projectors and devices for indoor and outdoor illumination. Serial Nos. 391,203–4; June 22. Class 21.

Charleston Milling Company, Charleston, W. Va. Poultry feed. Serial No. 387,173; June 22. Class 46.

Charleston Milling Company, Charleston, W. Va. Wheat flour. Serial No. 387,777; June 22. Class 46.

Chase Rand Corporation, New York, N. Y. Finger rings. Serial No. 389,305; June 22. Class 28.

Cherry-Burrell Corporation, Chicago, Ill. Ice cream freezers, water coolers, cabinet coolers, etc. Serial No. 392,257; June 22. Class 31.

Cities Service Oil Company, Dover, Del., and Chicago, Ill. Cutting oil. Serial No. 390,835; June 22. Class 15.

Citrus Products, Inc., Olive, Calif. Canned citrus juices for food purposes. Serial No. 392,258; June 22. Class 46.

Clover Leaf Products Company, Los Angeles, Calif. Non-alcoholic beverages. Serial No. 392,086; June 22. Class 45.

Colorado Fuel and Iron Corporation, The, Denver, Colo. Grader blades. Serial No. 390,950; June 22. Class 23.

Columbia Laboratories Incorporated, Columbia City, Ind. Nasal oil. Serial No. 390,690; June 22. Class 6.

Columbia Refining Company, Inc., New Orleans, La. Table syrup. Serial No. 332,758; June 22. Class 46.

Consolidated Razor Blade Co. Inc., Jersey City, N. J. Razor blades. Serial No. 388,184; June 22. Class 23.

Consolidated Slipper Corp., Bombay, N. Y. Imitation electrified wool material. Serial No. 390,902; June 22. Class 42.

Continental Blade Corporation, Brooklyn, N. Y. Razors and razor blades. Serial No. 391,853; June 22. Class 23.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. Serial No. 392,199; June 22. Class 49.

Cooperative Sales Agency, Los Angeles, Calif. Toilet paper. Serial No. 390,586; June 22. Class 37.

Cortland Line Company, Inc., Cortland, N. Y. Tennis rackets. Serial No. 392,414; June 22. Class 22.

Craddock Terry Company, Lynchburg, Va. Shoes. Serial No. 384,994; June 22. Class 39.

Dennehy, E. L. and J. F., Inc., Brockton, Mass., and Johnson City, N. Y. Leather and shoe finishes. Serial No. 389,726; June 22. Class 4.

Denver and Rio Grande Western Railroad Company, The, Denver, Colo. Booklets or pamphlets. Serial No. 385,834; June 22. Class 38.

Deshell Laboratories, Inc., Chicago, Ill. Preparations for use in the treatment of constipation. Serial No. 391,688; June 22. Class 6.

Dieckmann, Charles W., doing business as The Specialty Manufacturers Sales Co., Chicago, Ill. Meat grinder knives and meat grinder plates. Serial No. 390,312; June 22. Class 23.

Donaldson, Wendell A., doing business as Fa-Mo-Son-Da Studios, New York, N. Y. Astrological information pamphlets and analysis charts. Serial No. 389,777; June 22. Class 38.

Eckhart, B. A., Milling Co., Chicago, Ill. Wheat flour. Serial No. 391,620; June 22. Class 46.

Economy Packages, Inc., New York, N. Y. Receptacles. Serial No. 391,953; June 22. Class 2.

Educational Press, Inc., New York, N. Y. Scrap books. Serial No. 372,051; June 22. Class 37.

Edwards, Conrad P., Providence, R. I. Postage stamps. Serial No. 391,416; June 22. Class 38.

Elars Co. (See Standard Drug Co.)

Elish, M. M., & Co., Inc., New York, N. Y. Printing paper, cardboard, and coated and uncoated bristol-board. Serial No. 390,999; June 22. Class 37.

Embossing Company, The, Albany, N. Y. Table game of chance. Serial No. 391,000; June 22. Class 22.

Essex, Webster B., Elmhurst, N. Y. Hair tonic. Serial No. 391,209; June 22. Class 6.

Essington Company, The. (See Zieg, F. C.)

Evans-Walton Company, Detroit, Mich. Decorative novelties of sheet-like material. Serial No. 388,093; June 22. Class 50.

Fa-Mo-Son-Da Studios. (See Donaldson, Wendell A.)

Fan Tan Company, Inc., doing business as Gro-Pres Co., Chicago, Ill. Hair preparation. Serial No. 390,848; June 22. Class 6.
Farm Service Stores, Inc., Minneapolis, Minn. Seeds. Serial No. 387,548; June 22. Class 1.
Ferry-Morse Seed Company, Detroit, Mich. Seeds. Serial No. 381,069; June 22. Class 1.
Finch, Joseph S., and Company, Inc., New York, N. Y. Whiskey, gin, rum, etc. Serial No. 392,632; June 22. Class 49.
Finders Manufacturing Company, Chicago, Ill. Metal heel plates, toe plates, and sole plates. Serial No. 391,381; June 22. Class 10.
Firth-Sterling Steel Company, McKeesport, Pa. Dies, tools for turning, boring, etc. Serial No. 391,860; June 22. Class 23.
Fischer, B., & Company, Inc., New York, N. Y. Coffee, tea, and spices. Serial No. 390,058; June 22. Class 46.
Fordson Export Corporation, Detroit, Mich. Refrigerators. Serial No. 391,862; June 22. Class 31.
French, Gus H., doing business as The Sanex Company, Minneapolis, Minn. Preparation for use as a stomach preparation and general tonic. Serial No. 391,418; June 22. Class 6.
Fuld Bros., Baltimore, Md. Detergent compositions. Serial No. 390,060; June 22. Class 4.
Galion Metallic Vault Company, The, doing business as Hercules Steel Products Company, Galion, Ohio. Hoists. Serial No. 389,730; June 22. Class 23.
General Chemical Company, New York, N. Y. Insecticides and preparations for control of plant pests. Serial No. 391,636; June 22. Class 6.
General Radio Company, Cambridge, Mass. Stroboscopic tachometers. Serial No. 370,304; June 22. Class 26.
General Sports, Inc., Chicago, Ill. Cushion rubber. Serial No. 391,212; June 22. Class 1.
Gessler, Samuel, Chicago, Ill. Blank score books. Serial No. 374,826; June 22. Class 37.
Gittleson, Nathan, doing business as Pinxav Laboratories, Cleveland, Ohio. Medicated preparation, ointment, or salve. Serial No. 391,124; June 22. Class 6.
Gladwell, Calvin D., Russell, Ky. Medicinal preparation Serial No. 391,808; June 22. Class 6.
Gluck & Cohen, New York, N. Y. Ladies' slips. Serial No. 390,578; June 22. Class 39.
Goldstein, Hiram, doing business as Utility Products Company, Buffalo, N. Y. Cleaning fluid. Serial No. 391,213; June 22. Class 4.
Gonzalez, Eugenio, & Companhia (Filho), Lisbon, Portugal. Pure olive oil. Serial Nos. 385,399–400; June 22. Class 46.
Gonzalez, Eugenio, & Companhia (Filho), Lisbon, Portugal. Pure olive oils. Serial Nos. 385,401–2; June 22. Class 46.
Gray Bros., Inc., Syracuse, N. Y. Boots and shoes. Serial No. 389,641; June 22. Class 39.
Greenpoint Metal Covered Door Company, Brooklyn, N. Y. Metal covered doors. Serial No. 391,422; June 22. Class 12.
Gro-Pres Co. (See Fan Tan Company, Inc.)
Guerrieri, Giuseppe, doing business as Santo Fe Vintage Co., Los Angeles, Calif. Wines. Serial No. 390,734; June 22. Class 47.
Haas, Paul C., Mendon, Mich. Synthetic resinous and fibrous materials. Serial No. 385,790; June 22. Class 1.
Haddorff Piano Company, Rockford, Ill. Pianos. Serial No. 369,189; June 22. Class 36.
Hanan & Son, Inc., New York, N. Y. Shoes. Serial No. 390,270; June 22. Class 39.
Hanlon & Goodman Co., Belleville, N. J. Paint brushes. Serial No. 391,811; June 22. Class 29.
Han-Tex, Inc., Cleveland, Ohio. Wall paper and wall coverings. Serial No. 392,143; June 22. Class 37.
Hay, R. M., Company, The, Stamford, Conn. Disposable diaper padding. Serial No. 388,062; June 22. Class 50.
Heiman, Arthur S., New York, N. Y. Rayon piece goods. Serial No. 391,762; June 22. Class 42.
Heinn Company, The, Milwaukee, Wis. Loose leaf binders. Serial No. 391,068; June 22. Class 37.
Hercules Steel Products Company. (See Galion Metallic Vault Company.)
Hill, C. V., & Company, Inc., Trenton, N. J. Store fixtures. Serial No. 384,255; June 22. Class 32.
Hill, Henry P., doing business as Hill's Laboratories, Silver Spring, Md. Medicines. Serial No. 390,009; June 22. Class 6.
Hinze, A. L., Distillery Co., Louisville, Ky. Whiskey. Serial No. 392,427; June 22. Class 49.
Hirestra Laboratories, Inc., New York, N. Y. Hair tonic. Serial No. 391,913; June 22. Class 6.
Hollywood Garment Corporation, Los Angeles, Calif. Ladies' slips. Serial No. 389,127; June 22. Class 39.
Imperial Undergarment Co., New York, N. Y. Negligees, slips, bloomers, etc. Serial No. 389,916; June 22. Class 39.
Index Mutual Association, La Habra, Calif. Fresh citrus fruit. Serial No. 391,532; June 22. Class 46.
Insul-Wool Insulation Corporation, Wichita, Kans. Thermal insulating material in bulk form made from paper. Serial No. 392,363; June 22. Class 12.
International Looms, Inc., New York, N. Y. Carpets, rugs, and upholstery fabrics. Serial No. 391,867; June 22. Class 42.
James Distillery, Incorporated, Baltimore, Md. Whiskey. Serial Nos. 390,454–6; June 22. Class 49.
Johnston, Robert A., Company, Milwaukee, Wis. Cocoa. Serial No. 391,960; June 22. Class 46.
Jones, Dramin D., Jersey City, N. J. Radio broadcasting apparatus, speech input and public address equipment, etc. Serial No. 387,787; June 22. Class 21.
Jones, Jesse J., doing business as Research Products Company, San Antonio, Tex. External medicinal preparation. Serial No. 391,129; June 22. Class 6.
Kewaskum Aluminum Company, Kewaskum, Wis. Aluminum pots, pans, kettles, etc. Serial No. 390,004; June 22. Class 13.
Klotz, J. R. M., Montclair, N. J. Resinous composition. Serial No. 391,869; June 22. Class 1.
Knott, Wm. T., Company, Inc., New York, N. Y. Artificial flowers, braids, passementeries, etc. Serial No. 378,404; June 22. Class 40.
Kress, S. H., and Company, New York, N. Y. Binding and finishing tapes, hooks and eyes, etc. Serial No. 390,923; June 22. Class 40.
Kronenberg, Isaac B., doing business as American Physicians Specialties Co., Baltimore, Md. Medical apparatus. Serial No. 376,907; June 22. Class 44.
Kuhnert, F. A., Shoe Corp., Rochester, N. Y. Shoes. Serial No. 389,918; June 22. Class 39.
Labrot & Graham Incorporated, Frankfort, Ky. Whiskey. Serial No. 386,998; June 22. Class 49.
Labrot & Graham Incorporated, Frankfort, Ky. Whiskey. Serial No. 391,815; June 22. Class 49.
Lacov Underwear Company. (See Lipshitz, Eva.)
Lanvin Parfums, Inc., Wilmington, Del., and New York, N. Y. Perfumes. Serial No. 390,925; June 22. Class 6.
Larison, Glenn L., La Grande, Oreg. Logging trailers and parts thereof. Serial No. 390,375; June 22. Class 19.
Laros Textiles Company, Bethlehem, Pa. Children's and ladies' underwear. Serial No. 391,229; June 22. Class 39.
Lenk & Sprague Corporation, Downingtown, Pa. Cartons. Serial No. 385,190; June 22. Class 2.
Levering Coffee Company, The, Baltimore, Md. Baking powder and corn starch and tea. Serial No. 389,765; June 22. Class 46.
Lilienthal, Felix, & Co., Inc., New York, N. Y. Razor blades. Serial No. 389,831; June 22. Class 23.
Lilienthal, Felix, & Co., Inc., New York, N. Y. Carpet sweepers. Serial No. 389,832; June 22. Class 23.
Lilliput Lumber. (See Arens, Egmont.)
Lily Mills Company, Shelby, N. C. Fishing cord. Serial No. 390,418; June 22. Class 22.
Lipschitz, Meyer, New York, N. Y. Hebrew prayer clothes. Serial No. 381,741; June 22. Class 39.
Lipshitz, Eva, doing business as Lacov Underwear Company, New York, N. Y. Underwear. Serial No. 391,077; June 22. Class 39.
Liquor Dealers Supply Co., Chicago, Ill. Bourbon whiskey. Serial No. 391,231; June 22. Class 49.
Lockeport Company, Limited, The, Lockeporte, Nova Scotia, Canada. Fish of all varieties. Serial No. 373,570; June 22. Class 46.
Loom-Tex Corporation, The, New York, N. Y. Panties, bloomers, slips, etc. Serial Nos. 388,324–5; June 22. Class 39.
Lucky Tiger Manufacturing Company, Kansas City, Mo. Medicated cream. Serial No. 390,077; June 22. Class 6.
Madame Alexander. (See Alexander, Bertha.)
Maison Joubert, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 391,538; June 22. Class 6.
Master Records, Inc., New York, N. Y. Phonograph records and record blanks. Serial No. 391,962; June 22. Class 36.
May Department Stores Company, New York, N. Y. Women's, misses', and children's shoes. Serial No. 390,462; June 22. Class 39.
McDowell, L. N., Long Beach, Calif. Frozen confections. Serial No. 376,246; June 22. Class 46.
McNaney, Edward T., doing business as The Modern Games Mfg. Co., Catonsville, Md. Board games. Serial No. 389,614; June 22. Class 22.
Metal Goods Corporation, St. Louis, Mo. Metal foil. Serial No. 390,737; June 22. Class 14.
Miogenic Laboratory. (See Ryberg, Harry.)
Modern Games Mfg. Co., The. (See McNaney, Edward T.)
Molly-'Es Doll Outfitters, Inc., Darby, Pa. Dolls. Serial No. 390,177; June 22. Class 22.
Monarch Wine Co., Inc., New York, N. Y. Wine. Serial Nos. 377,191–4; June 22. Class 47.
Monsanto Chemical Company, St. Louis, Mo. Chemical compounds employed as wetting, spreading, emulsifying, dispersing, and penetrating agents. Serial No. 387,090; June 22. Class 6.

Moore, Abraham F., doing business as A. F. Moore & Company, Worcester, Mass. Ammonia, liquid bluing, and chemical preparation for bleaching, etc. Serial No. 391,237; June 22. Class 6.
Morgan, John, Inc., Brooklyn, N. Y. Whisky, gin, alcoholic cordials, etc. Serial No. 376,859; June 22. Class 49.
Mothersill Remedy Company, Limited, Montreal, Quebec, Canada. Medicine for seasickness. Serial No. 391,030; June 22. Class 6.
Nashua Package Sealing Co., Inc., Nashua, N. H. Devices and appliances for moistening or dispensing adhesive or gummed tape, etc. Serial No. 392,160; June 22. Class 37.
National Lead Company, San Francisco, Calif., and New York, N. Y. Paste paint. Serial No. 391,708; June 22. Class 16.
Natural Sugars, Inc., New York, N. Y. Molasses and fruit syrups for food purposes. Serial No. 388,847; June 22. Class 46.
Naylor, Fred D., Groton, Mass. Poison ivy killer, plant insect spraying fluid, etc. Serial No. 389,369; June 22. Class 6.
Neo-Vim Company. (See Sherwood, Owen B.)
New England Fish Company, Seattle, Wash. Canned salmon. Serial No. 392,103; June 22. Class 46.
Norwich Pharmacal Company, The, Norwich, N. Y. Venereal prophylactic. Serial No. 390,001; June 22. Class 6.
Nueva Fabrica de Hielo, S. A., Habana, Cuba. Malt beverages. Serial No. 376,690; June 22. Class 48.
Ohio Oil Company, The, Findlay, Ohio. Fly sprays. Serial No. 390,662; June 22. Class 6.
Oppenheim, Collins & Co. Inc., Wilmington, Del.; New York, Brooklyn, and Buffalo, N. Y.; and Philadelphia, Pa. Underwear, slips, chemises, etc. Serial No. 389,934; June 22. Class 39.
Owens-Illinois Glass Company, Toledo, Ohio. Ash trays and cigarette boxes. Serial No. 384,973; June 22. Class 8.
Penick, S. B., & Company, New York, N. Y. Plant spray. Serial No. 391,925; June 22. Class 6.
Perman Company, Inc., The, New York, N. Y. Skirts, blouses, waists, etc. Serial No. 389,618; June 22. Class 39.
Pinaud Incorporated, doing business as Ed. Pinaud, New York, N. Y. Talcum powder and toilet water. Serial No. 391,286; June 22. Class 6.
Pinaud Incorporated, doing business as Ed. Pinaud, New York, N. Y. Shaving cream. Serial No. 391,287; June 22. Class 4.
Pinaud Incorporated, doing business as Ed. Pinaud, New York, N. Y. Perfume. Serial No. 391,288; June 22. Class 6.
Pinaud Incorporated, doing business as Ed. Pinaud, New York, N. Y. Toilet water. Serial No. 391,289; June 22. Class 6.
Pinxav Laboratories. (See Gittleson, Nathan.)
Planert, F. W., & Sons, Inc., Chicago, Ill. Ice skates and roller skates. Serial No. 392,502; June 22. Class 22.
Porto Shoe Sales Co. (See Weissman, Rubin.)
Printmaster Corporation, The, Philadelphia, Pa. Photographic reproducing machines. Serial No. 391,038; June 22. Class 26.
Recorg Supply Corporation, Chicago, Ill. Toilet soap. Serial No. 391,826; June 22. Class 4.
Reimann, Henry W., Roy, Idaho. Roup preparation. Serial No. 390,708; June 22. Class 6.
Research Products Company. (See Jones, Jesse J.)
Richey & Gilbert Co., Yakima, Wash. Fresh apples. Serial No. 390,608; June 22. Class 46.
Ritter & Ritter, Inc., New York, N. Y. Handbags. Serial No. 391,827; June 22. Class 3.
Robb-Ross Company. (See Tolerton & Warfield Company.)
Robinson Manufacturing Co., Dayton, Tenn. Men's woven athletic underwear. Serial No. 391,244; June 22. Class 39.
Rochester Button Company, Rochester, N. Y. Buttons of plastic compounds other than precious metals. Serial No. 390,867; June 22. Class 40.
Rolandelli Co., San Francisco, Calif. Whiskey. Serial No. 392,772; June 22. Class 49.
Rose, Henry, Stores, Inc., New York, N. Y. Children's and misses' wearing apparel. Serial No. 376,495; June 22. Class 39.
Rubinstein, Helena, Inc., New York, N. Y. Face lotion and astringent. Serial No. 392,048; June 22. Class 6.
Ryberg, Harry, doing business as Miogenic Laboratory, Palo Alto, Calif. Hair tonic. Serial No. 383,272; June 22. Class 6.
Salta Knitting Mills, Inc., New York, N. Y. Women's sport apparel. Serial No. 391,890; June 22. Class 39.
Sanex Company, The. (See French, Gus H.)
Santa Fe Vintage Co. (See Guerrieri, Giuseppe.)
Sayford, Frank M., Co., Inc., Brooklyn, N. Y. Corrugated paper, glassine material, greaseproof paper, etc. Serial No. 391,552; June 22. Class 37.
Schenley Products Company, New York, N. Y. Whiskey, brandy, gin, etc. Serial No. 392,657; June 22. Class 49.
Schering & Glatz, Inc., New York, N. Y. Medicinal preparation. Serial No. 391,714; June 22. Class 6.
Schloss Bros. & Co., Inc., Baltimore, Md. Suits, coats, vests, etc. Serial No. 382,284; June 22. Class 39.
Schloss Bros. & Co., Inc., Baltimore, Md. Suits, coats, vests, etc. Serial No. 382,932; June 22. Class 39.
Schmelzer, Anton C., Lakewood, Ohio. Ice-trays. Serial No. 391,891; June 22. Class 31.
Scholler Brothers, Inc., Philadelphia, Pa. Textile treating composition. Serial No. 391,777; June 22. Class 6.
Schultheiss-Patzenhofer Brauerei-Aktiengesellschaft, Berlin, Germany. Beer. Serial No. 386,665; June 22. Class 48.
Scofield, Lynn M., doing business as L. M. Scofield Company, Huntington Park, Calif. Wax product. Serial No. 390,869; June 22. Class 16.
Seattle Quilt Manufacturing Company, Inc., Seattle, Wash. Sleeping bags. Serial No. 374,643; June 22. Class 39.
Shakow, Joseph D., Inc., New York, N. Y. Textile fabrics. Serial No. 391,591; June 22. Class 42.
Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides, fungicides, flocculators, etc. Serial No. 390,813; June 22. Class 6.
Sherwood, Owen B., doing business as Neo-Vim Company, Columbus, Ohio. Tonic stimulant. Serial No. 391,042; June 22. Class 6.
Simon, M. & D., Co., Cleveland, Ohio. Pajamas, work shirts, polo shirts, etc. Serial No. 389,156; June 22. Class 39.
Skidmore, Arthur W., Bridgeport, Conn. Duck pins and ten pins. Serial No. 392,505; June 22. Class 22.
Smith, Frank B., Hyattsville, Md. Weekly newspaper. Serial No. 391,096; June 22. Class 38.
Smith, K. D., Battle Creek, Mich. High pressure pumps. Serial No. 391,975; June 22. Class 23.
Smooth-On Manufacturing Company, Jersey City, N. J. Iron cement in paste form for making screw-thread joints and flange joints, etc. Serial No. 392,454; June 22. Class 12.
Smooth-On Manufacturing Company, Jersey City, N. J. Hydraulic iron cement in powder form, used for waterproofing concrete, brick, etc. Serial No. 392,455; June 22. Class 12.
Société Genevoise d'Instruments de Physique, Geneva, Switzerland. High precision machine tools. Serial No. 389,384; June 22. Class 23.
Société Vinicole de Champagne, Paris and Reims, France. Champagne wines. Serial No. 391,354; June 22. Class 47.
Society of Chemical Industry in Basle, Basel, Switzerland. Chemical products for use as auxiliary agents in the textile industry. Serial Nos. 386,605–6; June 22. Class 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Chemical products for the treatment of leather and textiles. Serial No. 387,216; June 22. Class 6.
Southern California Glass Company. (See Stahl, Wm. S.)
Southern Coal Company, Incorporated, Memphis, Tenn. Coal. Serial No. 391,154; June 22. Class 1.
Specialty Manufacturers Sales Co., The. (See Dieckmann, Charles W.)
Spicer and Company, Glendale, Calif. Preparation for use as a gastric and alimentary adsorbent and antacid. Serial No. 391,976; June 22. Class 6.
Spinning Wheel Rugs, Inc., New York, N. Y. Hooked rugs. Serial No. 387,418; June 22. Class 42.
Stahl, Wm. S., doing business as Southern California Glass Company, Los Angeles, Calif. Metal store front constructions, metal glass dividing bars, etc. Serial No. 392,112; June 22. Class 12.
Standard Drug Co., Inc., doing business as Elars Co., Richmond, Va., and New York, N. Y. Tooth paste and germicide antiseptic-deodorant. Serial No. 390,820; June 22. Class 6.
Standard Novelty Works, Duncannon, Pa. Child's express wagon. Serial No. 388,661; June 22. Class 22.
Star Expansion Bolt Company, New York, N. Y. Expansion shields. Serial No. 390,975; June 22. Class 13.
Stetson Shoe Company, Inc., The, Wyemouth, Mass. Leather boots and shoes. Serial No. 383,145; June 22. Class 39.
Sun Rubber Company, The, Barberton, Ohio. Wetting dolls. Serial No. 392,720; June 22. Class 22.
Taft, Marian H., Washington, D. C. Dress forms. Serial No. 391,932; June 22. Class 50.
Tolerton & Warfield Company, doing business as Robb-Ross Company, Sioux City, Iowa. Summer soft drink preparations, flavorings, extracts, etc. Serial No. 390,944; June 22. Class 45.
Tomlinson of High Point, High Point, N. C. Furniture. Serial No. 383,237; June 22. Class 32.
Traub-Lyons, Inc., New York, N. Y. Textile fabrics. Serial No. 391,555; June 22. Class 42.
Troub, Bernard, & Company, Inc., New York, N. Y. Pajamas and nightgowns. Serial No. 390,254; June 22. Class 39.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Upson Company, The, Lockport, N. Y. Wallboard. Serial No. 392,567; June 22. Class 12.
Utility Products Company. (See Goldstein, Hiram.)
Valentine, Lumb A., New York, N. Y. Face creams, cleansing creams, acne cream, etc. Serial No. 387,929; June 22. Class 6.
Vita-Var Corp., Newark, N. J. Ready mixed paints. Serial No. 392,461; June 22. Class 16.
Waterbury Chemical Company, Inc., New York, N. Y. Medicines and pharmaceutical preparations. Serial No. 391,831; June 22. Class 6.
Webster, William A., Co., The, Memphis, Tenn. Shaving soap. Serial No. 391,400; June 22. Class 4.
Weissman, Rubin, doing business as Porto Shoe Sales Co., New York, N. Y. Leather shoes. Serial No. 388,726; June 22. Class 39.
Wembley Cravat Co., Inc., New Orleans, La. Neckties. Serial No. 391,411; June 22. Class 39.
Western Business Papers, Inc., Los Angeles, Calif. Periodical. Serial No. 391,785; June 22. Class 38.
Whitin Machine Works, Whitinsville, Mass. Roving frames and spinning frames. Serial No. 391,254; June 22. Class 23.
Worthington, Geo., Company, The, Cleveland, Ohio. Vernier calipers, vernier height gauges, vernier depth gauges, etc. Serial No. 391,836; June 22. Class 26.
Worthington, Geo., Company, The, Cleveland, Ohio. Friction tape, rubber tape, glue, etc. Serial No. 391,841; June 22. Class 5.
Zieg, Fred C., doing business as The Essington Company. Hair dressing. Serial No. 387,930; June 22. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A C Spark Plug Company, Flint, assignor to General Motors Corporation, Detroit, Mich. Spark plugs and spark plug porcelains. 347,421; June 22. Class 21.
Abbott Laboratories, The, Chicago, to Abbott Laboratories, North Chicago, Ill. Non-toxic and non-caustic antiseptic. 119,014; renewed Oct. 23, 1937.
Abraham & Straus, Inc., New York, N. Y. Girls' and children's coats, dresses, shoes, etc. 347,214; June 22; Serial No. 354,456; published Apr. 13, 1937. Class 39.
Administrative Publishing Company, Inc., Milwaukee, Wis. Magazines issued monthly. 347,358; June 22; Serial No. 388,608; published Apr. 13, 1937. Class 38.
Albert, Meyer R., doing business as Albert Tire Company, Philadelphia, Pa. Vehicle tires. 347,445; June 22. Class 35.
Allen, Charles, St. Louis, assignor, by mesne assignments, to Hogan Advertising Company, Kansas City, Mo. Medicinal remedies. 116,268; renewed Apr. 24, 1937.
Allis, Edward P., & Co., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Mills, machinery, steam engines, etc. 14,423; re-renewed May 24, 1937.
Al-Ion Manufacturing Co., Inc., Baltimore, Md. Perfumed deodorizing chemical liquid. 347,328; June 22; Serial No. 388,216; published Mar. 30, 1937. Class 6.
Alrose Chemical Company, Providence, R. I. Salts for the treatment of ferrous metal surfaces. 347,284; June 22; Serial No. 387,361; published Apr. 6, 1937. Class 6.
Alrose Chemical Company, Providence, R. I. Salts for use in connection with plating metals. 347,285; June 22; Serial No. 387,362; published Apr. 6, 1937. Class 6.
Always Dry Processing Corporation. (See Klein, Phil, assignor.)
American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y., to The American Sugar Refining Company, New York, N. Y. Sugar. 116,497; renewed May 8, 1937.
American Tobacco Company, The, New York, N. Y. Cigars. 347,392; June 22; Serial No. 389,051; published Apr. 13, 1937. Class 17.
Anderson Products, Incorporated, Cambridge, Mass. Air valves and valve fittings. 347,235; June 22; Serial No. 382,460; published Apr. 13, 1937. Class 13.
Arlington Chemical Company, The, Yonkers, N. Y. Refined mineral oil jelly for use as a laxative. 347,312; June 22; Serial No. 388,043; published Apr. 6, 1937. Class 6.
Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. 347,294; June 22; Serial No. 387,652; published Apr. 6, 1937. Class 6.
Aster Cash Markets Company, The, Akron, Ohio. Dressed poultry. 347,303; June 22; Serial No. 387,852; published Apr. 13, 1937. Class 46.
Atlas Ago Chemische Fabrik Aktiengesellschaft, Molkau, near Leipzig, Germany. Paper collars. 347,329; June 22; Serial No. 388,218; published Apr. 6, 1937. Class 39.
Auto City Brewing Company, Detroit and Hamtramck, Mich. Beer. 347,242; June 22; Serial No. 383,697; published Apr. 13, 1937. Class 48.
Bagnall, Howard E., doing business as Bagnall Company, Kansas City, Mo. Poisons. 347,221; June 22; Serial No. 376,619; published Apr. 13, 1937. Class 6.
Baldwin Belting & Leather Company, New York, N. Y. Leather belting. 347,449; June 22. Class 35.
Becker's Bakery. (See Woodworth, T. W.)
Belle Chasse Candies. (See Elmer Candy Co., Inc.)
Benjamin Electric Manufacturing Company, Chicago, to Benjamin Electric Manufacturing Company, Des Plaines, Ill. Electric sound-producing signaling devices. 117,981; renewed Aug. 14, 1937.
Bestever Products Co. (See Zimmer, Edward.)
Best Foods, Inc., The, New York, N. Y. Salad dressing and/or mayonnaise. 347,218; June 22; Serial No. 354,021; published Apr. 13, 1937. Class 46.
Bledsoe, Walter, & Company, Terre Haute, Ind. Coal. 347,273; June 22; Serial No. 386,844; published Apr. 13, 1937. Class 1.
Bouze, H., and Bro., Philadelphia, Pa. Coats, suits, and dresses. 347,428; June 22. Class 39.
Bond Pharmacals, Dallas, Tex. Preparation to be used in the treatment of indigestion, dyspepsia, gas, etc. 347,324; June 22; Serial No. 388,180; published Mar. 30, 1937. Class 6.
Bond Pharmacals, Dallas, Tex. Ointment and lotion. 347,325; June 22; Serial No. 388,181; published Apr. 13, 1937. Class 6.
Bonne Bell, Inc., Cleveland, (Lakewood), Ohio. Skin and scalp lotions. 347,350; June 22; Serial No. 388,527; published Apr. 6, 1937. Class 6.
Bordeau Champagne Co., Brookiyn, N. Y. Maltless beverages. 347,453; June 22. Class 45.
Braunlin, Robert F., doing business as Vase-Sweet Company, Marion, Ind. Chemical tablet. 347,332; June 22; Serial No. 388,256; published Mar. 30, 1937. Class 6.
Breon, George A., & Company, Incorporated, Kansas City, Mo. Medicinal products. 347,225; June 22; Serial No. 379,075 published Apr. 13, 1937. Class 6.
Brite X Co., The. (See Noer, Victor R.)
British Celilynd Limited, London, England. Wrapping and packing paper, cardboard, and strawboard. 347,255; June 22; Serial No. 385,247; published Apr. 13, 1937. Class 37.
Brown Company, Portland, Maine, and Berlin, N. H. Cellulose fibers or pulps. 347,393; June 22; Serial No. 389,052; published Apr. 13, 1937. Class 1.
Bruns Publications, Inc., New York, N. Y. Sections or columns appearing in magazines, etc. 347,352; June 22; Serial No. 388,561; published Apr. 13, 1937. Class 38.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Brushes for billiard tables. 347,410; June 22; Serial No. 389,452; published Apr. 13, 1937. Class 29.
Caley, Wendell J., Philadelphia, Pa. Pocket books and wallets. 347,388; June 22; Serial No. 389,010 published April 13, 1937. Class 3.
Camarillo Citrus Association, Camarillo, Calif. Fresh citrus fruits. 347,401; June 22; Serial No. 389,114; published Apr. 13, 1937. Class 46.
Catholic Digest, Inc., The, St. Paul, Minn. Monthly periodical. 347,302; June 22; Serial No. 387,816; published Apr. 13, 1937. Class 38.
Centennial Flouring Mills Co. (See Ritzville Flouring Mills, assignor.)
Centennial Mill Company, assignor to Centennial Flouring Mills Co., Seattle, Wash. Self-rising wheat-flour. 119,258; renewed Nov. 13, 1937.
Chicago Pharmacal Co., Chicago, Ill. Counter-irritant and local application for the treatment of sprains, etc. 347,281; June 22; Serial No. 387,312; published Apr. 6, 1937. Class 6.
Chicago Varnish Company, Chicago, Ill., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Varnish and ceramics, shellac, varnish, enamel, etc. 116,745; renewed May 22, 1937.
Childs Company, New York, N. Y. Monthly periodical. 118,384; renewed Sept. 4, 1937.
Chopak Textile Co. Inc., New York, N. Y. Rayon and acetate cloth. 347,404; June 22; Serial No. 389,172; published Apr. 13, 1937. Class 42.
Cities Service Oil Company. (See Crew Livick Company, assignor.)
Citrus Products Company, Chicago, Ill. Beverages and syrups and concentrates from which soft drinks are made. 347,222; June 22; Serial No. 377,911; published Dec. 1, 1936. Class 45.
Citrus Products Company, Chicago, Ill. Beverages and syrups and concentrates from which soft drinks are made. 347,223; June 22; Serial No. 378,393; published Dec. 1, 1936. Class 45.

Colgate & Co., Jersey City, N. J., and New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soaps. 118,627; renewed Sept. 25, 1937.
College Inn Food Products Company, Chicago, Ill. Wines. 347,333; June 22; Serial No. 388,260; published Apr. 13, 1937. Class 47.
Collis Company, The, Clinton, Iowa. Fly swatters. 347,363–7; June 22; Serial Nos. 388,669–73; published Apr. 13, 1937. Class 50.
Columbian Steel Tank Company, Kansas City, Mo. Copper nickel steel alloy sheets. 347,251; June 22; Serial No. 384,613; published Dec. 22, 1936. Class 14.
Colwell, Frank S., Pawnee City, Nebr. Salve or balm. 119,266; renewed Nov. 13, 1937.
Compton, Bates, New York, N. Y. Paper and cardboard. 347,289; June 22; Serial No. 387,461; published Apr. 13, 1937. Class 37.
Cowles Detergent Company, The, Cleveland, Ohio. Detergent composition for scouring textiles. 347,319; June 22; Serial No. 388,122; published Apr. 6, 1937. Class 4.
Crew Livick Company, Philadelphia, Pa., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y. Oils and greases. 116,405; renewed May 1, 1937.
Crew Livick Company, Philadelphia, Pa., assignor, by mesne assignments, to Cities Service Oil Company, Chcago, Ill. Oils and greases. 116,826; renewed May 29, 1937.
Cuprinol Limited, London, England. Chemical compositions for waterproofing and preserving. 347,254; June 22; Serial No. 385,134; published Mar. 30, 1937. Class 6.
Curtice Brothers Co., Rochester, N. Y. Foods. 117,837; renewed Aug. 7, 1937.
Curtis 1000 Incorporated, St. Paul, Minn. Paper. 347,304; June 22; Serial No. 387,861; published Apr. 13, 1937. Class 37.
Dahl, G. A., & Co., Brawley, Calif. Fresh vegetables. 347,374–5; June 22; Serial Nos. 388,830–1; published Apr. 13, 1937. Class 46.
Dain-Tee Food Products. (See Wynkoop, Albro G.)
David, John, New York, N. Y. Socks, undershirts, shirts, etc. 347,313; June 22; Serial No. 388,052; published Apr. 13, 1937. Class 39.
Davies-Young Soap Company, The, Dayton, Ohio. Quick-drying liquid wax. 347,402; June 22; Serial No. 389,121; published Apr. 13, 1937. Class 16.
Delson Chemical Co. Inc., The, New York, to The Delson Chemical Co. Inc., Brooklyn, N. Y. Treatment for distemper. 117,650; renewed July 24, 1937.
Derris, Inc., New York, N. Y. Toilet bowl cleaner. 347,343; June 22; Serial No. 388,390; published Apr. 6, 1937. Class 4.
Dixie Wax Paper Company, Dallas, Tex. Moisture and moisture vapor proof wrapping paper. 347,439; June 22. Class 37.
Donalds Limited, Inc., Jersey City N. J. Tablets for the treatment of colds. 347,252; June 22; Serial No. 384,788; published Apr. 13, 1937. Class 6.
Du Pont, E. I., de Nemours and Company. (See Chicago Varnish Company, assignor.)
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dyestuffs. 347,405; June 22; Serial No. 389,209; published Apr. 13, 1937. Class 6.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds and brightening agents for zinc plating. 347,406; June 22; Serial No. 389,210; published Apr. 13, 1937. Class 6.
Earle, Marie, Inc., New York, N. Y. Foundation cream, mascara, eye shadow cream, etc. 347,407; June 22; Serial No. 389,237; published Apr. 13, 1937. Class 6.
Elder Manufacturing Company, St. Louis, Mo. Jackets, jumperalls, knickers, etc. 347,320; June 22; Serial No. 388,127; published Apr. 6, 1937. Class 39.
Elmer Candy Co., Inc., doing business as Belle Chasse Candies, New Orleans, La. Candy. 347,386; June 22; Serial No. 388,973; published Apr. 13, 1937. Class 46.
Empire Druggist Co. (See Houtain, George J.)
Etablissements Pernod, Maisons Pernod Fils, Hemard & Pernod Pere & Fils Reunies (Société Anonyme), Paris, France. Cordials. 347,411–12; June 22; Serial Nos. 389,554–5; published Apr. 13, 1937. Class 49.
Evr-Klean Seat Pad Co., St. Louis, Mo. Seat covers and pads. 347,379–81; June 22; Serial Nos. 388,924–6; published Apr. 13, 1937. Class 32.
Evr-Klean Seat Pad Co., St. Louis, Mo. Seat covers and pads. 347,382; June 22; Serial No. 388,928; published Apr. 13, 1937. Class 32.
Faltoute, Inc., East Orange, N. J. Perfume. 347,326; June 22; Serial No. 388,189; published Apr. 13, 1937. Class 6.
Faultless Mfg. Co. (See Knapp-Monarch Company.)
Federal Mill, Inc. (See Mansfield Milling Co., The, assignor.)
Finis Co., The, Seattle, Wash. Medicinal preparation. 347,270; June 22; Serial No. 386,423; published Apr. 6, 1937. Class 6.
Fletcher Paper Company, Alpena, Mich. Wrapping paper. 347,394; June 22; Serial 389,061; published Apr. 13, 1937. Class 37.
Florida Humus Company, Zellwood, Fla. Humus. 347,353; June 22; Serial No. 388,568; published Apr. 13, 1937. Class 1.
Flower City Specialty Company, Rochester, N. Y. Repair links for automobile tire chains. 347,219; June 22; Serial No. 375,503; published Apr. 13, 1937. Class 13.
Floyd-Wells Company, The, Royersford, Pa. Heating and cooking stoves, ranges, and heating furnaces. 347,240; June 22; Serial No. 383,303; published Apr. 13, 1937. Class 34.
Fostoria Pressed Steel Corp., The, Fostoria, Ohio. Non-hardening plastic sealing compound. 347,438; June 22. Class 35.
Franklin, O. M., Blackleg Serum Company, The, Denver Colo. Blackleg bacterin, equine influenza mixed bacterin, bovine mixed bacterin, etc. 347,250; June 22; Serial No. 384,525; published Feb. 9, 1937. Class 6.
Frederick's Gown Shop, Inc., Montclair, N. J. Ladies' dresses. 347,425; June 22. Class 39.
Fritz, Edward B., Chicago, Ill. Magazine. 347,279; June 22; Serial No. 387,180; published Apr. 13, 1937. Class 38.
Funston, D., Company, Chicago, Ill., Pharmacal preparation. 347,354; June 22; Serial No. 388,570; published Apr. 13, 1937. Class 6.
Gamewell Company, The, Newton and Newton Upper Falls, Mass. Electrical fire alarm signaling systems and parts thereof. 347,387; June 22; Serial No. 388,978; published Apr. 13, 1937. Class 21.
Garrison & Son, Yonkers, N. Y. Liquid cough mixture preparation. 347,437; June 22. Class 6.
Gartner, Harold H., doing business as Halgar, New York, N. Y. and Los Angeles, Calif. Printed letters, pamphlets, and brochures. 347,231; June 22; Serial No. 381,202; published Apr. 13, 1937. Class 38.
General Chemical Company, New York, N. Y. Insecticides and preparations for control of plant pests. 347,278; June 22; Serial No. 387,121; published Apr. 6, 1937. Class 6.
General Cigar Co., Inc., (See United Cigar Manufacturers Company).
General Motors Corporation. (See A C Spark Plug Company, assignor.)
Gibson Electric Refrigerator Corporation, Greenville, Mich. Refrigerators. 347,442; June 22. Class 31.
Gilbert and Dimitre, Eau Claire, Wis. Cleaning soap. 347,314; June 22; Serial No. 388,056; published Apr. 6, 1937. Class 4.
Glendale Beverage Co., Kansas City, Mo. Beverages. 347,212; June 22; Serial No. 353,644; published Apr. 13, 1937. Class 45.
Globe Mills, Inc., West Leesport, Pa. Knit polo shirts, waists, and pajamas. 347,447; June 22. Class 39.
Globe Soap Company, The, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Soap, soap powder, and washing powder. 117,311; renewed July 3, 1937.
Goldberg, Morris, doing business as Shim-R Products Co., Kenmore, N. Y. Hair tonic and a deodorant. 347,309; June 22; Serial No. 388,000; published Mar. 30, 1937. Class 6.
Gordon Clothing Co., Chicago, Ill. Suits, coats, trousers, etc. 347,237; June 22; Serial No. 382,828; published Apr. 6, 1937. Class 39.
Great Southern Lumber Co., Bogalusa, La. Shingles, laths, sawed lumber, etc. 119,188; renewed Oct. 30, 1937.
Halgar. (See Gartner, Harold H.)
Hart & Company, New York, N. Y. Bouillon-cubes and beef extracts. 117,554; renewed July 17, 1937.
Hawthorn Drug Company, Incorporated, St. Louis, Mo. First aid antiseptic and liniment. 347,268; June 22; Serial No. 386,232; published Apr. 6, 1937. Class 6.
Hercules Powder Company, Wilmington, Del. Blasting caps. 347,429; June 22. Class 9.
Hershberger, W. P., San Luis Obispo, Calif. Spring water, distilled water, siphon water, etc. 347,299; June 22; Serial No. 387,785; published Apr. 13, 1937. Class 45.
Hillman Importing and Trading Co, Inc., The, New York, N. Y. Paint oils. 347,259; June 22; Serial No. 385,551; published Mar. 30, 1937. Class 16.
Hogan Advertising Company. (See Allen, Charles, assignor.)
Holmes, C. Edwin, Onawa, Iowa. Poultry medicines. 347,229; June 22; Serial No. 380,913; published Apr. 6, 1937. Class 6.
Hood Rubber Company, Watertown, Mass., assignor to Hood Rubber Company, Inc., Wilmington, Del. Rubber boots and shoes, rubber overshoes, and rubber-sole canvas shoes. 116,640–3; renewed May 15, 1937.
Horn, A. C., Company, Long Island City, N. Y. Paint Product; 347,310; June 22; Serial No. 388,004; published Apr. 13, 1937. Class 16.
Houtain, George J., doing business as Empire Druggist Co., Albany, N. Y. Magazine. 347,338; June 22; Serial No. 388,319; published Apr. 13, 1937. Class 38.
Hudnut, Richard, New York, N. Y. Cleansing cream, face powder, lipstick, etc. 347,446; June 22. Class 6.
Imperial Sugar Company, Sugar Land, Tex. Sugar. 119,080; renewed Oct. 23, 1937.

Industrial Publishing Co., Cleveland, Ohio. Publication. 347,228; June 22; Serial No. 380,872; published Apr. 13, 1937. Class 38.

Interlake Iron Corporation, Chicago, Ill. Pig iron in the form of pigs. 347,216; June 22; Serial No. 369,738; published Apr. 13, 1937. Class 14.

International Mutoscope Reel Co. Inc., New York, N. Y. Coin-operated vending and amusement machine. 347,348; June 22; Serial No. 388,501; published Apr. 13, 1937. Class 22.

International Union of Operating Engineers, Washington, D. C. Books, pamphlets, printed circulars, etc. 347,276; June 22; Serial No. 387,071; published Apr. 13, 1937. Class 38.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 347,431; June 22. Class 39.

Isserson, Albert, doing business as Nu-Life Rug Cleaner Company, Cleveland, Ohio. Rug and upholstery cleaner. 347,220; June 22; Serial No. 375,643; published Apr. 6, 1937. Class 4.

Janov, I.-Abeles Shirt Co., New York, N. Y. Men's pajamas, men's and boys' underwear and shirts. 347,369; June 22; Serial No. 388,781; published Apr. 13, 1937. Class 39.

Jel Sert Company, The, Chicago, Ill. Powder concentrate for making maple flavored syrup. 347,370; June 22; Serial No. 388,782; published Apr. 13, 1937. Class 46.

Jen, Inc., New York, N. Y. Dry cleaning powder. 347,230; June 22; Serial No. 381,161; published Apr. 13, 1937. Class 4.

Jenco Brothers, Inc., Paterson, N. J. Rubber heels. 347,415; June 22; Serial No. 389,591; published Apr. 13, 1937. Class 39.

Joslyn Laboratories, Inc., Rockford, Ill. Charts, printed data, compilations, etc. 347,236; June 22; Serial No. 382,753; published Apr. 13, 1937. Class 38.

Kali Manufacturing Co., Philadelphia, Pa. Soap product powder. 347,290; June 22; Serial No. 387,468; published Apr. 13, 1937. Class 4.

Keene Drug Company, Indianapolis, Ind. Pharmaceutical preparations. 347,286; June 22; Serial No. 387,380; published Apr. 6, 1937. Class 6.

Keller, Arthur E., doing business as E. Keller & Sons, Allentown, Pa. Silver polish. 347,311; June 22; Serial No. 388,006; published Apr. 6, 1937. Class 4.

Kemper, Charles M., New York, N. Y. Injection fluid particularly adapted for treating arthritis. 347,260; June 22; Serial No. 385,693; published Apr. 6, 1937. Class 6.

Kimball, C. M., Co., Everett, Mass. Preparation for cleaning glass windows, windshields and the like. 347,448; June 22. Class 4.

Kirk, James S., & Company, Chicago, Ill., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Talcum powder, perfume, sachet-powder, etc. 117,043; renewed June 12, 1937.

Kirk, James S., & Company, Chicago, Ill., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Soap. 118,202; renewed Aug. 31, 1937.

Kirk, James S., & Company, Chicago, Ill., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Soap. 118,300; renewed August 28, 1937.

Klein, Phil, assignor to Always Dry Processing Corporation, New York, N. Y. Water repellent processing fluid. 347,423; June 22. Class 6.

Knapp-Monarch Company, doing business as Faultless Mfg. Co., St. Louis, Mo. Insulated containers or jugs. 347,426; June 22. Class 2.

Knott, Wm. T., Company, Inc., New York, N. Y. Advertising signs, artificial flowers, foliage, etc. 347,224; June 22; Serial No. 378,406; published Apr. 13, 1937. Class 50.

Kotzen, Irving, New York, N. Y. Blouses, dresses, skirts, etc. 347,450; June 22. Class 39.

Kramer Bros., New York, N. Y. Hosiery. 347,263; June 22; Serial No. 385,984; published April 6, 1937. Class 39.

Kreis, Elmer, & Co., Chicago, Ill. Umbrellas. 347,341; June 22; Serial No. 388,354; published Mar. 30, 1937. Class 41.

Lahoud, John, Caracas, Venezuela. Perfumed soaps and shaving creams. 347,424; June 22. Class 4.

Lampl Sportswear Manufacturing Company, The, Cleveland, Ohio. Dresses, sweaters. 347,305; June 22; Serial No. 387,884; published Apr. 6, 1937. Class 39.

Lat Research Products, Chicago, Ill. Food and health drink. 347,257; June 22; Serial No. 385,141; published Apr. 6, 1937. Class 6.

Laucks, I. F., Inc., Seattle, Wash. Glues and adhesives. 347,403; June 22; Serial No. 389,135; published Apr. 13, 1937. Class 5.

Lawrence, Irving S., doing business as Oil-Salve Company, Brooklyn, N. Y. Salve. 347,443; June 22. Class 6.

Leedy, J. R., Upper Strasburg, Pa. Medicinal capsule for the treatment of asthma. 347,245; June 22; Serial No. 383,841; published Mar. 30, 1937. Class 6.

Leffmann, S., Limited, London, England. Brassières. 347,360; June 22; Serial No. 388,615; published Apr. 13, 1937. Class 39.

Leonard, A. O., Incorporated, New York, N. Y. Medicine for ear ailments. 347,239; June 22; Serial No. 383,198; published Apr. 6, 1937. Class 6.

Lido Sportswear, Inc., New York, N. Y. Dresses and blouses. 347,306; June 22; Serial No. 387,908; published Apr. 6, 1937. Class 39.

Lilly, Eli, and Company, Indianapolis, Ind. l-ascorbic acid. 347,315; June 22; Serial No. 388,065; published Mar. 30, 1937. Class 6.

Lima Locomotive Works, Inc., Lima, Ohio. Steam-locomotives. 118,679; renewed Sept. 25, 1937.

Li-on Bedding Company, Milwaukee, Wis. Mattresses. 347,395–6; June 22; Serial No. 389,074–5; published Apr. 13, 1937. Class 32.

Li-on Bedding Company, Milwaukee, Wis. Mattresses. 347,397–8; June 22; Serial Nos. 389,077–8; published Apr. 13, 1937. Class 33.

Loewus, G., & Co., Inc., Newark, N. J. Wines. 347,334; June 22; Serial No. 388,270; published Apr. 13, 1937. Class 47.

Loewus, G., & Co., Inc., Newark, N. J. Wines. 347,335; June 22; Serial No. 388,272; published Apr. 13, 1937. Class 47.

Loomcrest Corporation, The, New York, N. Y. Knitted and woven cotton and rayon piece goods. 347,339; June 22; Serial No. 388,326; published Apr. 13, 1937. Class 42.

Louangel Corporation, New York, N. Y. Shoe cleaner. 347,355; June 22; Serial No. 388,579; published Apr. 6, 1937. Class 4.

Lyman Gun Sight Corporation, The. (See Talcott, Phineas M.).

Macy, R. H., & Co., assignor to R. H. Macy & Co., Inc., New York, N. Y. Gloves. 117,172–3; renewed June 19, 1937.

Mallinson, H. R., & Co., assignor, by mesne assignments, to Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 118,896; renewed Oct. 9, 1937.

Mansfield Milling Co., The, Mansfield, Ohio, assignor, by mesne assignments, to Federal Mill, Inc., Lockport, N. Y. Wheat-flour. 118,796; renewed Oct. 2, 1937.

Marrow, William M., doing business as Marrow Modes Co., New York, N. Y. Dresses. 347,307; June 22; Serial No. 387,912; published Apr. 6, 1937. Class 39.

Martin, Glenn L., Company, The, Baltimore and Middle River, Md. Compound for cementing rubberlike material. 347,399; June 22; Serial No. 389,085; published Apr. 13, 1937. Class 5.

Martin, Louis P., Saugus, Mass. Liniment. 347,349; June 22; Serial No. 388,505; published Apr. 6, 1937. Class 6.

Martling, Harvey B., Nashville, Tenn. Blank flexibly bound books. 347,269; June 22; Serial No. 386,331; published Apr. 13, 1937. Class 37.

Martocci, Domenic M., Hartford, Conn. Salve or ointment. 347,297; June 22; Serial No. 387,751; published Apr. 6, 1937. Class 6.

Matthews, Geo. B., & Sons, assignor to Geo. B. Matthews & Sons, Inc., New Orleans, La. Stock feed. 117,178; renewed June 19, 1937.

Matthews, Geo. B., & Sons, assignor to Geo. B. Matthews & Sons, Inc., New Orleans, La. Poultry feed. 117,458; renewed July 10, 1937.

Mayer-Nock Co., The, Philadelphia, Pa. Girl's frocks, boys' suits, and children's dresses. 347,344; June 22; Serial No. 388,477; published Apr. 6, 1937. Class 39.

Mayonnaise Products Corporation, New York, N. Y. Mayonnaise and salad dressings. 347,383; June 22; Serial No. 388,949; published Apr. 13, 1937. Class 46.

McCoy, Jones & Westlake, Inc., Chicago, Ill. Soap. 347,384; June 22; Serial No. 388,950; published Apr. 6, 1937. Class 4.

McKee Bros., assignor to McKee Brothers Corporation, Bakersfield, Calif. Band clamps. 347,377; June 22; Serial No. 388,869; published Apr. 13, 1937. Class 13.

Mellen Company Inc., The, Los Angeles, Calif. Preparation for treatment of hemorrhoids, rectal disorders, and the like. 347,247; June 22; Serial No. 384,005; published Apr. 6, 1937. Class 6.

Merkel & Klenlin G. m. b. H., Esslingen-Neckar, Germany. Yarns. 347,361; June 22; Serial No. 388,652; published Apr. 6, 1937. Class 43.

Midwest Slipper Mfg. Co., Chicago, Ill. Slippers and sheepskin moccasins. 347,287; June 22; Serial No. 387,384; published Apr. 13, 1937. Class 39.

Mill-Ford Food Products Co., Milford, Mich. Corn-grits, corn flakes, rice grits, etc. 347,340; June 22; Serial No. 388,329; published Apr. 13, 1937. Class 46.

Mill-Hone Products Co., New York, N. Y. Fruit juices and flavoring extracts for alcoholic liquors. 347,434; June 22. Class 45.

Minassian, David Der H., New York, N. Y. Cigarettes. 116,967; renewed June 5, 1937.

Miner's, Inc., New York, N. Y. Cosmetic preparations. 347,291; June 22; Serial No. 387,508; published Mar. 23, 1937. Class 6.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Polishing wax and lacquer polishes. 347,416; June 22; Serial No. 389,656; published Apr. 13, 1937. Class 16.

Mirpo Products Mfg. Co., (See Steinberg, Samuel.)

Mishawaka Woolen Manufacturing Company, by change of name to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Composition soles. 116,917; renewed June 5, 1937.

Monkarsh, Sarah, doing business as Sun Myte Wash Products, Chicago, Ill. Bleach, deodorant, and disinfectant. 347,258; June 22; Serial No. 385,446; published Apr. 6, 1937. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Chemical adjuvants for animal and vegetable oils. 347,356; June 22; Serial No. 388,588; published Apr. 6, 1937. Class 6.

Morrell, John, & Co. (See Ottumwa Serum Co., assignor.)

Mosheim, Albert, doing business as Wembley, New York, N. Y. Powders, toilet water, sachet, etc. 347,420; June 22. Class 6.

Mülhens, Ferd., Inc., New York, N. Y. Shaving soap, toilet soap, glycerine soap, etc. 347,371; June 22; Serial No. 388,791; published Apr. 6, 1937. Class 4.

Munro Athletic Products Company, Inc., Philadelphia, Pa. Table tennis sets, games played with a ball and racquet or bat, balls, etc. 347,275; June 22; Serial No. 386,957; published Apr. 13, 1937. Class 22.

N. V. Organon, Oss, Netherlands. Preparations for the treatment of abortus, alcoholism, alopecia, anaemia, etc. 347,232–3; June 22; Serial Nos. 381,994–5; published Apr. 6, 1937. Class 6.

Nagle, Hiester M., doing business as Nagle Drug Company, Baltimore, Md. Antiseptic eye lotion. 347,440; June 22. Class 6.

Nation Wide Papers, Inc., Chicago, Ill. Paper and envelopes. 347,433; June 22. Class 37.

National Distilling Company. (See Red Star Yeast and Products Company.)

National Supply Company, The, assignor, by mesne assignments, to The National Supply Company of Delaware, Toledo, Ohio. Belting, hose, and machinery packing. 118,561; renewed Sept. 18, 1937.

Natone Inc., Los Angeles, Calif. Hair shampoos, oils, creams, etc. 347,246; June 22; Serial No. 383,936; published Apr. 13, 1937. Class 6.

New Jersey Apple Growers, Inc., Matawan, N. J. Apple brandy. 347,317; June 22; Serial No. 388,104; published Apr. 13, 1937. Class 49.

New York Central Railroad Company, The, New York, N. Y. Monthly magazine. 347,362; June 22; Serial No. 388,656; published Apr. 13, 1937. Class 38.

New York Rubber Company, Matteawan and New York, N. Y., to New York Rubber Corporation, Beacon, N. Y., successor. Rubber belting and hose. 119,357; renewed Nov. 13, 1937.

Noer, Victor R., doing business as The Brite X Co., Colfax, Wis. Chemical compound. 347,330; June 22; Serial No. 388,240; published Apr. 6, 1937. Class 4.

Northern Paper Mills, Green Bay, Wis. Paper table covers. 347,345; June 22; Serial No. 388,478; published Apr. 13, 1937. Class 37.

Northern Paper Mills, Green Bay, Wis. Paper towels. 347,346; June 22; Serial No. 388,479; published Apr. 13, 1937. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet tissue paper. 347,347; June 22; Serial No. 388,480; published Apr. 13, 1937. Class 37.

Nu-Life Rug Cleaner Company. (See Isserson, Albert.)

Nussbaum Liquor Store, Inc., New York, N. Y. Whiskey, gin, rum, etc. 347,218; June 22; Serial No. 373,835; published Feb. 25, 1936. Class 49.

Nutty Brown Mills. (See Sears, Conrad A.)

Oil-Salve Company. (See Lawrence, Irving S.)

O'Leary, Lydia, Inc., New York, N. Y. Salve. 347,432; June 22. Class 6.

Ottumwa Serum Co., assignor, by mesne assignments, to John Morrell & Co., Ottumwa, Iowa. Anti-hog-cholera serum and hog-cholera virus. 119,364; renewed Nov. 13, 1937.

Oxyzu Company, New York, N. Y. Powder puffs. 347,409; June 22; Serial No. 389,432; published Apr. 13, 1937. Class 29.

Palmer, Leona C., doing business as L. C. Palmer, Washington, D. C. Antiseptics. 347,336; June 22; Serial No. 388,277; published Mar. 30, 1937. Class 6.

Pardo, Mary, doing business as Sublime Laboratories, Chicago, Ill. Cleansing cream, vanishing cream, tissue cream, etc. 347,316; June 22; Serial No. 388,068; published Apr. 13, 1937. Class 6.

Park, Benziger & Co., Inc., New York, N. Y. Rum. 347,293; June 22; Serial No. 387,592; published Apr. 13, 1937. Class 49.

Parker White-Metal & Machine Co., Erie, Pa. Die castings. 347,454; June 22. Class 14.

Pharma-Craft Corporation, The, Louisville, Ky. Fungicide and germicide for the treatment of athlete's foot, etc. 347,300; June 22; Serial No. 387,797; published Apr. 6, 1937. Class 6.

Philadelphia Inquirer Company, The, Philadelphia, Pa. Newspaper section. 347,249; June 22; Serial No. 384,402; published Apr. 13, 1937. Class 38.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 347,308; June 22; Serial No. 387,952; published Mar. 30, 1937. Class 6.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 347,331; June 22; Serial No. 388,241; published Mar. 30, 1937. Class 6.

Pierce Watch Co., Inc., New York, N. Y. Watches, watch movements, and watch cases. 347,455; June 22. Class 27.

Piowati, Frederick, New York, N. Y. Mechanically operated advertising signs and parts thereof. 347,264; June 22; Serial No. 386,045; published Apr. 13, 1937. Class 50.

Pirel Co., The. (See Robinson, Samuel.)

Plate, Robert T., doing business as The Plate Mfg. Co., Detroit, Mich. Non-electrical hair curlers and accessory curl clasps. 347,217; June 22; Serial No. 370,812; published Sept. 1, 1936. Class 40.

Poor & Company. (See Rail Joint Company, The, assignor.)

Procter & Gamble Company, The. (See Globe Soap Company, The, assignor.)

Procter & Gamble Company, The. (See Kirk, James S., & Company, assignor.)

Products, V. C., Company, Inc., Philadelphia, Pa. Soluble cleansing compound. 347,323; June 22; Serial No. 388,158; published Apr. 6, 1937. Class 4.

Pyridium Corporation, The, Nepera Park, N. Y. Medicines. 347,322; June 22; Serial No. 388,144; published Mar. 30, 1937. Class 6.

Rail Joint Company, The, New York, assignor to Poor & Company, Chicago, Ill. Railway track joints. 347,282; June 22; Serial No. 387,347; published Apr. 13, 1937. Class 14.

Ramona Turkey Growers' Association, Ramona, Calif. Turkey poults and dressed turkey. 347,226; June 22; Serial No. 379,260; published Mar. 16, 1937. Class 46.

Raniville, Loova A., to F. Raniville Company, Grand Rapids, Mich., successor. Leather belting. 116,978; renewed June 5, 1937.

Rath Packing Company, The, Waterloo, Iowa. Dog food. 347,372; June 22; Serial No. 388,798; published Apr. 13, 1937. Class 46.

Red Star Yeast and Products Company, doing business as National Distilling Company, Milwaukee, Wis. Grain alcohol. 347,417; June 22; Serial No. 389,796; published Apr. 13, 1937. Class 49.

Reefer-Galler Inc., New York, N. Y. Insecticides, insect exterminators, repellents, etc. 347,283; June 22; Serial No. 387,350; published Apr. 6, 1937. Class 6.

Rex Manufacturing Company, Connersville, Ind. Bodies and tops and parts of same for vehicles. 116,859; renewed May 29, 1937.

Ribbon Mills Corporation, New York, N. Y. Ribbon head bands, ribbon barettes, and ribbon hair bandeaus. 347,227; June 22; Serial No. 379,764; published Dec. 1, 1936. Class 40.

Ritzville Flouring Mills, Ritzville, assignor to Centennial Flouring Mills Co., Seattle, Wash. Wheat-flour. 119,377; renewed Nov. 13, 1937.

Robinson, Samuel, doing business as The Pirel Co., Columbus, Ohio. Medicinal preparation. 347,292; June 22; Serial No. 387,561; published Apr. 6, 1937. Class 6.

Roman Meal Company, Tacoma, Wash. Piecrust mix. 347,419; June 22. Class 46.

Roy, Michael B., Bridgeport, Conn. Defrosters for automobile windshields and the like. 347,234; June 22; Serial No. 382,004; published Apr. 13, 1937. Class 19.

Rubenstein, Helena, Inc., New York, N. Y. Preparation for preventing sunburn. 347,430; June 22. Class 6.

Ruggles, Walter G., Company, by change of name to Ruggles-Klingemann Mfg. Co., Boston, Mass. Hardware and plumbing and steam-fitting supplies. 117,362; renewed July 3, 1937.

S S Rubber Cement Co., Chicago, Ill. Adhesives and pastes. 347,262; June 22; Serial No. 385,905; published Apr. 13, 1937. Class 5.

Sears, Conrad A., doing business as Nutty Brown Mills, Houston, Tex. Mixed cottonseed and wheat flour, bread, and pancake or muffin flour, etc. 347,215; June 22; Serial No. 367,108; published Mar. 23, 1937. Class 46.

Service Devices Incorporated, New York, N. Y. Ice shaving and chipping machines. 347,436; June 22. Class 23.

Shim-R Products Co. (See Goldberg, Morris.)

Siegel Bros. Kiki Maid Coats Inc., New York, N. Y. Piece goods. 347,280; June 22; Serial No. 387,256; published Apr. 13, 1937. Class 42.

Signode Steel Strapping Company, Chicago, Ill. Composition pads and metal binder-snubbing plates. 347,248; June 22; Serial No. 384,139; published Apr. 13, 1937. Class 13.

Simpson & Godlee, Limited, Manchester, England. Blouses, bonnets, dresses, etc. 347,253; June 22; Serial No. 385,010; published Apr. 13, 1937. Class 39.

Smith, Ernest L., San Francisco, Calif. Lotions and hair waving solutions. 347,288; June 22; Serial No. 387,422; published Apr. 6, 1937. Class 6.

Societe Menier, Paris, France. Chocolates and candies. 347,378; June 22; Serial No. 388,875; published Apr. 13, 1937. Class 46.

Solmer, Harry J., doing business as Solmer & Co., New York, N. Y. Pianos. 119,130; renewed Oct. 23, 1937.

Solari, A. M. & J., Ltd., New Orleans, La. Cherry liqueur. 347,422; June 22. Class 49.

Soluol Corporation, Providence, R. I. Textile oils. 347,318; June 22; Serial No. 388,107; published Mar. 30, 1937. Class 6.

Sondheimer, Max, Stuttgart, Germany. Glue and glue powder. 347,408; June 22; Serial No. 389,270; published Apr. 13, 1937. Class 5.
Southern Dyestuff Corporation, Charlotte, N. C. Dyestuffs. 347,261; June 22; Serial No. 385,703; published Apr. 6, 1937. Class 6.
Spanish Trading Corporation, New York, N. Y. Perfume, toilet water, face creams, etc. 347,451; June 22. Class 6.
Sperry, Paul A., New Haven, Conn. Boots and shoes. 347,359; June 22; Serial No. 388,627; published Apr. 13, 1937. Class 39.
Spira & Gordon, New York, N. Y. Metal containers. 347,271; June 22; Serial No. 386,700; published Apr. 13, 1937. Class 2.
Standard Mailing Machines Company, Everett, Mass. Mail handling machines and devices and parts thereof; stamp affixing machines and devices; etc. 347,435; June 22. Class 23.
Stanis. (See Stanley, Sinclair G.)
Stanley, Sinclair G., doing business as Stanis, Chicago, Ill. Foot soap. 347,342; June 22; Serial No. 388,374; published Apr. 13, 1937. Class 4.
Steinberg, Samuel, doing business as Mirpo Products Mfg. Co., La Porte, Ind. Polish. 347,389; June 22; Serial No. 389,044; published Apr. 13, 1937. Class 4.
Stulman-Emrick Lumber Co., Inc., Brooklyn, N. Y. Lumber. 347,243; June 22; Serial No. 383,829; published Mar. 30, 1937. Class 12.
Sublime Laboratories. (See Pardo, Mary.)
Sunflower Packing Corp., Porterville, Calif. Fresh citrus fruit. 347,265; June 22; Serial No. 386,050; published Apr. 13, 1937. Class 46.
Sun Myte Wash Products. (See Monkarsh, Sarah.)
Surpass Leather Company, Philadelphia, Pa. Dull sheen kid leather. 347,351; June 22; Serial No. 388,551; published Apr. 13, 1937. Class 1.
T. & P. Optical Mfg. Co., Inc., New York, N. Y. Eyeglass frames of the folding oxford type. 347,376; June 22; Serial No. 388,858; published Apr. 13, 1937. Class 26.
Takamine Laboratory, Inc., New York, N. Y., to Takamine Laboratory, Inc., Clifton, N. J. Salves and ointments. 117,946; renewed Aug. 7, 1937.
Talcott, Phineas M., New Haven, to The Lyman Gun Sight Corporation, Middlefield, Conn., successor. Loading implements for rifle, pistol, and shotgun cartridges and molds for bullets. 116,806; renewed May 29, 1937.
Triangle Conduit Co. Inc., Brooklyn, by change of name to Triangle Conduit & Cable Co. Inc., New York, N. Y. Electrical conduits. 118,834; renewed Oct. 2, 1937.
United Cigar Manufacturers Company, by change of name to General Cigar Co., Inc., New York, N. Y. Cigars. 116,807; renewed May 22, 1937.
United Cigar Manufacturers Company, by change of name to General Cigar Co., Inc., New York, N. Y. Cigars. 118,351; renewed Aug. 28, 1937.
United Cigar Manufacturers Company, by change of name to General Cigar Co., Inc., New York, N. Y. Cigars. 118,720; renewed Sept. 25, 1937.
United Distillers (of America), Ltd., Baltimore, Md. Whiskey, gin, rum, etc. 347,452; June 22. Class 49.
United Elastic Corporation, Easthampton, Mass. Covered rubber thread and elastic webbing. 347,427; June 22. Class 42.
United Fur Breeders, Inc., Bethlehem, Pa. Fur skins and pelts. 347,266; June 22; Serial No. 386,184; published Apr. 13, 1937. Class 1.
United Kingdom Tobacco Company, Limited, The, assignor to The United Kingdom Tobacco Co., Ltd., London, England. Cigarettes. 117,490; renewed July 10, 1937.
U. S. Antiseptic Laboratories Corporation, Baltimore, Md. Moth proofing spray. 347,337; June 22; Serial No. 388,289; published Mar. 30, 1937. Class 6.
Utilities Service Company, Allentown, Pa. Pole line hardware. 347,357; June 22; Serial No. 388,598; published Apr. 13, 1937. Class 13.
Vase-Sweet Company. (See Braunlin, Robert F.)
Vegola Specialty Company, Inc., Buffalo, N. Y. Medicine. 347,301; June 22; Serial No. 387,806; published Apr. 6, 1937. Class 6.
Voss Beverage Company, Inc., St. Louis, Mo. Nonalcoholic beverages. 347,400; June 22; Serial No. 389,106; published Apr. 13, 1937. Class 45.
Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Soft drinks and flavors therefor. 347,385; June 22; Serial No. 388,965; published Apr. 13, 1937. Class 45.
Vogt, F. G., & Sons, Incorporated, Philadelphia, Pa. Breakfast combination comprising sliced bacon and sliced smoked boneless ham. 347,373; June 22; Serial No. 388,812; published Apr. 13, 1937. Class 46.
Waldes & Company of New Jersey, New York, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Prints and publications. 119,221–2; renewed Oct. 30, 1937.
Waldner-Heller Drug Company, Berwick, Pa. Medicinal preparation. 347,368; June 22; Serial No. 388,696; published Apr. 6, 1937. Class 6.
Warfman, Phillip, New York, N. Y. Mouth wash. 347,327; June 22; Serial No. 388,215; published Mar. 30, 1937. Class 6.
Weatherall, Charles, doing business as Youth Medicine Co., Detroit, Mich. Diuretic preparation. 347,256; June 22; Serial No. 385,329; published Feb. 23, 1937. Class 6.
Weisberger, Dave, New York, N. Y. Shoes. 347,272; June 22; Serial No. 386,752; published Apr. 13, 1937. Class 39.
Welter & Welter, Sand Springs, Iowa. Medicine for hogs. 347,295; June 22; Serial No. 387,689; published Apr. 6, 1937. Class 6.
Wembley. (See Mosheim, Albert.)
West Coast Soap Company, Oakland, Calif. Soap. 117,960; renewed Aug. 7, 1937.
Western Distillers Corp., Los Angeles, Calif. Whiskey. 347,274; June 22; Serial No. 386,878; published Apr. 13, 1937. Class 49.
Weston Electrical Instrument Corporation, Newark, N. J. Color filters. 347,390; June 22; Serial No. 389,047; published Apr. 13, 1937. Class 26.
Wetzel, Bertha, New York, N. Y. Pneumatic dispenser for toilet preparations. 347,296; June 22; Serial No. 387,718; published Apr. 13, 1937. Class 23.
White, H. Kirk, & Co., Oconomowoc, Wis. Alkaline effervescent salts. 347,277; June 22; Serial No. 387,097; published Apr. 6, 1937. Class 6.
White, H. Kirk, & Co., Oconomowoc, Wis. Effervescent salts. 347,298; June 22; Serial No. 387,762; published Apr. 6, 1937. Class 6.
Wilkins, E. J., Co., Gloversville, N. Y. Leather goods. 347,321; June 22; Serial No. 388,291; published Apr. 13, 1937. Class 3.
Wolf, Jacques, & Co., Clifton, N. J. Chemical preparation for tanning leathers. 347,267; June 22; Serial No. 386,185; published Apr. 6, 1937. Class 6.
Woodford County Distillery Co., Midway, Ky., and St. Louis, Mo. Whiskey. 347,413–14; June 22; Serial Nos. 389,585–6; published Apr. 13, 1937. Class 49.
Woodworth, T. W., doing business as Becker's Bakery, Spartanburg, S. C. Cakes. 347,418; June 22. Class 46.
Wortendyke Manufacturing Company, Richmond, Va. Toilet-paper and paper towels. 117,272; renewed June 26, 1937.
Wouka Distributing Co., New York, N. Y. Frozen spiny lobster tails. 347,244; June 22; Serial No. 383,834; published Apr. 13, 1937. Class 46.
Wright & Lawrence, Chicago, Ill. Liquefying cream, foundation cream, cold cream, etc. 347,444; June 22. Class 6.
Wurm Brothers Company, Chicago, Ill. Canned fruits, canned vegetables, canned fish, etc. 347,241; June 22; Serial No. 383,498; published Apr. 6, 1937. Class 46.
Wynkoop, Albro G., doing business as Dain-Tee Food Products, San Francisco, Calif. Chips made from whole tamale corn. 347,391; June 22; Serial No. 389,048; published Apr. 13, 1937. Class 46.
Youth Medicine Co. (See Weatherall, Charles.)
Zephyr Cycle Company, The, Dayton, Ohio. Bicycles. 347,238; June 22; Serial No. 382,937; published Oct. 13, 1936. Class 19.
Zimmer, Edward, doing business as Bestever Products Co., Chicago, Ill. Liniments, liquid ink and stain removers, liquid bluings, etc. 347,441; June 22. Class 6.

LIST OF REGISTRANTS OF LABELS

Amalgamated Clothing Workers of America, New York, N. Y. Union Made-Neckwear. For Neckwear. 49,436; June 22.
Awful Fresh MacFarlane, Oakland and San Francisco, Calif. You Will Like My Stuff Awful Fresh. For Confectionery and Nuts. 49,437; June 22.
Bart's Bakery Inc., Savannah, Ga. Bart's Cream Bread. For Bread. 49,438; June 22.
Bird & Son, Inc., East Walpole, Mass. Graceful Arch. For Cartons. 49,439; June 22.
Bird & Son, Inc., East Walpole, Mass. Smart Shoes. For Cartons. 49,440; June 22.
Blue Seal Food Products, Inc., Chicago, Ill. Dressauce. For Salad Dressing. 49,441; June 22.
Boyd Tea Company, Portland, Oreg. Boyco-Lustre. For Automobile Polish. 49,442; June 22.
Brach, E. J., & Sons, Chicago, Ill. Brach's Lemon Drops. For Lemon Drops. 49,443; June 22.
Bridgeman-Russell Company, Duluth, Minn. Deluxe Ice Cream 'Quart Size'. For Ice Cream. 49,444; June 22.
Bridgeman-Russell Company, Duluth, Minn. Longfellow Package 'Quart Size'. For Ice Cream. 49,445; June 22.
Bridgeman-Russell Company, Duluth, Minn. Primus Butter. For Butter. 49,446; June 22.
Bridgeman-Russell Company, Duluth, Minn. Grand Valley Butter. For Butter. 49,447; June 22.

Bridgeman-Russell Company, Duluth, Minn. Longfellow Package 'Pint Size'. For Ice Cream. 49,448; June 22.
Bridgeman-Russell Company, Duluth, Minn. Deluxe Ice Cream 'Pint Size'. For Ice Cream. 49,449; June 22.
Bridgeman-Russell Company, Duluth, Minn. Sky Scraper Ice Cream. For Ice Cream. 49,450; June 22.
Brown, William H., Tulsa, Okla. Fryers by the Piece. For Young Chickens Cut Up and Sold by the Piece. 49,451; June 22.
Buckingham & Hecht, San Francisco, Calif. Kool Kix by Buckhecht. For Shoes. 49,452; June 22.
Butler Paper Products Company, The, Toledo, Ohio. Territorial No. 326. For Butter. 49,453; June 22.
Camden County Beverage Company, Camden, N. J. Camden Beer. For Beer. 49,454; June 22.
Camden County Beverage Company, Camden, N. J. Lord Camden Ale. For Ale. 49,455; June 22.
Cardinal Paint Corporation, St. Louis, Mo. Cardinal. For House Paint. 49,456; June 22.
Cardinal Paint Corporation, St. Louis, Mo. Silver Bond. For House Paint. 49,457; June 22.
Centropol Company, Inc., Detroit, Mich. Warsaw-Brand-Delicious Cooked Ham-Boneless. For Cooked Boneless Ham. 49,458; June 22.
Centropol Company, Inc., Detroit, Mich. Warsaw-Brand Delicious Cooked Picnic. For Cooked Picnics. 49,459; June 22.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Shoes with Personalitee. For Shoes. 49,460; June 22.
Clapp, George W., doing business as Hiwasee Fruit Company, Orlando, Fla. Hi-Wa-See. For Fresh Citrus Fruits. 49,461; June 22.
Clapp, George W., doing business as Hiwasee Fruit Company, Orlando, Fla. "Seneca". For Fresh Citrus Fruits. 49,462; June 22.
Colloidal Products of America, Inc., Orlando, Fla. Mineral Colloids—A Colloidal Plant Food. For a Colloidal Plant Food. 49,463; June 22.
Colloidal Products of America, Inc., Orlando, Fla. Mineral Fosfates—Colloidal Minerals for Animals and Poultry. For Colloidal Minerals for Animals and Poultry. 49,464; June 22.
Cooperative Sales Agency, Los Angeles, Calif. Wite-Flos. For Toilet Tissue. 49,465; June 22.
Cummer Products Company, The, Bedford, Ohio. Energine Cigar Lighter Fluid. For Lighter Fluid. 49,466; June 22.
Cummer Products Company, The, Bedford, Ohio. Fireproof Energine (The Perfect Dry Cleaner). For Dry Cleaning Fluid. 49,467–8; June 22.
Cummer Products Company, The, Bedford, Ohio. Energine (Inflammable) The Perfect Dry Cleaner. For Dry Cleaning Fluid. 49,469; June 22.
Doman, Harold, doing business as King Lemmo, Syracuse, N. Y. De Luxe Lemon. For a Lemon Concentrate. 49,470; June 22.
Dustbane Products Company, Chicago, Ill. The Perfect Sweeping Compound. For Sweeping Compound. 49,471; June 22.
Embossing Company, The, Albany, N. Y. Frisko. For a Game. 49,472; June 22.
Fasteeth Incorporated, Binghamton, N. Y. Kleenteeth. For a Preparation for Cleaning Dental Plates. 49,473; June 22.
Fibreware Corporation, Franklin, Ohio. Cocoanut Cream. For Pies. 49,474; June 22.
Fireproof Cleaner Co. (See Milloy, Edward B.)
Fitzgerald, W. T., doing business as Fitzgerald-Drugs, Frankfort, Ky. Cream of Frankfort. For Bourbon Whiskey. 49,475; June 22.
Gamble Stores, Inc., Minneapolis, Minn. Gamble's Standard 4 Hour Varnish. For Varnish. 49,476; June 22.
Gamble Stores, Inc., Minneapolis, Minn. Gamble's Super Quality Chrome Floor Varnish. For Varnish. 49,477; June 22.
Geisler, Max, Bird Co., New York, N. Y. Geisler's Vitamin Bird Seed. For Bird Seed. 49,478; June 22.
Glemby Company, Inc., The, New York, N. Y. Regina Hair Net. For Hair Nets. 49,479; June 22.
Glemby Company, Inc., The, New York, N. Y. Cameo Hair Net. For Hair Nets. 49,480; June 22.
Glemby Company, Inc., The, New York, N. Y. Monogram Hair Net. For Hair Nets. 49,481; June 22.
Grocery Products Manufacturing Corporation, New York, N. Y. Mushroom Fillets. For Canned Mushrooms. 49,482; June 22.
Hazard Lead Works Inc., The, Brooklyn, N. Y. Front Line Interior Wall Finish Flat Paint. For Ready Mixed Flat Paint. 49,483; June 22.
Hazard Lead Works Inc., The, Brooklyn, N. Y. Front Line Ready Mixed Floor Enamel. For Ready Mixed Floor Enamel. 49,484; June 22.
Hickory Town Distilling Co., Hanover, Pa. Special Reserve. For Apple Brandy. 49,485; June 22.
Hiwasee Fruit Company. (See Clapp, George W.)
Hoague-Sprague Corporation, Lynn, Mass. Spor-Tee Sports. For Boxes. 49,486; June 22.
Hoague-Sprague Corporation, Lynn, Mass. Vogue Shoes. For Boxes. 49,487; June 22.
Hoague-Sprague Corporation, Lynn, Mass. Shoes That Satisfy. For Boxes. 49,488; June 22.
Hoague-Sprague Corporation, Lynn, Mass. The Hazmore Shoe. For Boxes. 49,489; June 22.
Hoague-Sprague Corporation, Lynn, Mass. Welt-O-Pedic. For Boxes. 49,490; June 22.
Hoague-Sprague Corporation, Lynn, Mass. Sylvia Beautiful Footwear. For Boxes. 49,491; June 22.
Hoague-Sprague Corporation, Lynn, Mass. Smart Shoes. For Boxes. 49,492; June 22.
Hoague-Sprague Corporation, Lynn, Mass. Lady Gay. For Boxes. 49,493; June 22.
Holloway, L. E., doing business as L. E. Holloway & Co., Leesburg, Fla., and Atlanta, Ga. Best Ever. For Grapefruit Juice. 49,494; June 22.
Houseman, Felix, doing business as Standard Disinfectant Company, Grand Rapids, Mich. Supreme. For Cattle Spray. 49,495; June 22.
Hygrade Food Products Corporation, New York, N. Y. West Virginia Ham. For Ham. 49,496; June 22.
Kilgore Manufacturing Company, The, Westerville, Ohio. Modern Toys. For Toys. 49,497; June 22.
King Lemmo. (See Doman, Harold.)
Kneip, Frederic R., Beachmont, Revere, Mass. White Unicorn Ale. For Ale. 49,498; June 22.
Knickerbocker Rubber Co., Chicago, Ill. Knickerbocker Tak-A-Part Spray Head. For Shower Bath Sprays. 49,499; June 22.
Knickerbocker Rubber Company, Chicago, Ill. Knickerbocker Silhouette Shower Bath Outfit. For Shower Bath Sprays. 49,500; June 22.
Kosher Zion Sausage Co. of Chicago, Chicago, Ill. Odessa Brand Salami. For Salami Sausage. 49,501; June 22.
Krueger Beverage Company, Newark, N. J. Krueger Root Beer. For Root Beer. 49,502; June 22.
Landes, John V., doing business as Landes Packing Co., Los Angeles, Calif. Original Spanish Omelet Sauce. For Spanish Omelet Sauce. 49,503; June 22.
Leader Novelty Candy Co., Inc., The, Brooklyn, N. Y. Around the World. For Candy and Gifts. 49,504; June 22.
Lubricating Gasoline Company. (See Thaison, Fred. W.)
Luce Products, Inc., Lucedale, Miss. Luce. For Field Peas. 49,505; June 22.
Madison, Sallie D., Hamilton, Baltimore, Md. "Dolly Madison" Home Made Sugar and Ginger Cookies, Layer and Fruit Cakes. For Sugar and Ginger Cookies, Layer and Fruit Cakes. 49,506; June 22.
Mannings, Inc., San Francisco, Calif. Iced Tea—Mannings Special Blend. For Tea. 49,507; June 22.
Margolis, Morris, Los Angeles, Calif. Carmafat. For a Pure Vegetable Product for Baking, Cooking, and Frying. 49,508; June 22.
McLiesh, A., Seattle, Wash. Mac's Chinook Brand. For Preserved Salmon Eggs. 49,509; June 22.
McLiesh, A., Seattle, Wash. Mac's Steel-Head Brand. For Preserved Salmon Eggs. 49,510; June 22.
McNally, Andrew, Wilmar, Calif. Fyffe's Goora Admees Embrocation. For Liniment. 49,511; June 22.
Menasha Products Company, Menasha, Wis. Menasha Ice Cream. For Ice Cream. 49,512; June 22.
Menasha Products Company, Menasha, Wis. Menasha Finest Butter. For Butter. 49,513; June 22.
Menasha Products Company, Menasha, Wis. Brentwood Ice Cream. For Ice Cream. 49,514; June 22.
Miller-Bryant-Pierce Company, The, Aurora, Ill. Black Knight. For Carbon Paper and Typewriter Ribbons. 49,515; June 22.
Milloy, Edward B., doing business as Fireproof Cleaner Co., Cleveland, Ohio. Gay-Berdine. For Dressing for Gaberdine Shoes. 49,516; June 22.
Muther, Fred, doing business as Muther Wine Company, San Francisco, Calif. Chateau Ville. For California Sherry. 49,517; June 22.
Muther, Fred E., doing business as Muther Wine Company, San Francisco, Calif. Fair-View. For Port Wine. 49,518; June 22.
No-Blur Ink Mfg. Co., Detroit, Mich. No-Blur. For Writing and Fountain Pen Ink. 49,519; June 22.
Northern Illinois Cereal Co., Lockport, Ill. Gold Medal—The Package With a Charm—(Horse Design). For Oats. 49,520; June 22.
Northern Illinois Cereal Co., Lockport, Ill. Gold Medal—The Package With a Charm—(Dog Design). For Oats. 49,521; June 22.
Peerless Paper Specialty, Inc., Philadelphia, Pa. Blue Flash Sealing Tape. For Gummed Sealing Tape. 49,522; June 22.
Penick & Ford, Ltd., Incorporated, New York, N. Y. Brer Rabbit (Green). For Molasses. 49,523; June 22.
Penick & Ford, Ltd. Incorporated, New York, N. Y. Brer Rabbit (Gold). For Molasses. 49,524; June 22.
Pensacola Liquor Distributors, Inc., Pensacola, Fla. Pensacola Rye Brand. For Rye Whiskey. 49,525; June 22.
Porcela-Radax Co., Pittsburgh, Pa. Porcela. For a Cleanser for Enamel and Porcelain Ware. 49,526; June 22.
Puerto Rico Distilling Company, Arecibo, P. R. Ronrico West Indies Cocktail Rum. For Rum. 49,527; June 22.
Radewan, William, Racine, Wis. Rhumi-Cure. For a Liniment. 49,528; June 22.

Rex Research Corporation, Toledo, Ohio. R. R. C. Drain Opener. For a Preparation for Cleaning and Opening Drains. 49,529; June 22.
Richie Company, The. (See Ward, Edwin W., Jr.)
St. Marks Corporation, New York, N. Y. Sizor. For Hats. 49,530; June 22.
Salem Brewery Association, Salem, Oreg. Salem. For Beer. 49,531; June 22.
Sealy, Incorporated, Pittsburgh, Pa. Natural Rest Mattress. For Mattresses. 49,532; June 22.
Sealy, Incorporated, Pittsburgh, Pa. Sleep Ensemble Mattress Unit. For Mattresses. 49,533; June 22.
Sealy, Incorporated, Pittsburgh, Pa. Sealy Tuftless Mattress. For Mattresses. 49,534; June 22.
Sealy, Incorporated, Pittsburgh, Pa. Enchanted Nights Mattress. For Mattresses. 49,535; June 22.
Sealy, Incorporated, Pittsburgh, Pa. Sealy Truease Mattress. For Mattresses. 49,536; June 22.
Sealy, Incorporated, Pittsburgh, Pa. Sealy Sleep Charm Mattress. For Mattresses. 49,537; June 22.
Siren Mills Corporation, Chicago, Ill. Cook's Best. For Cocoa. 49,538; June 22.
Standard Disinfectant Company. (See Houseman, Felix.)
Stuart, Jerome, Laboratories, Inc., New York, N. Y. Naogen. For Especially Prepared Aromatic Alkaline Powder Liberating Nascent Oxygen for Mucous Membrane Therapy. 49,539; June 22.
Thalson, Fred. W., doing business as Lubricating Gasoline Company, Houston, Tex. Lubricating Gas-O-Line. For a Preparation for Treating and Processing Gasoline. 49,540; June 22.
Tobacco By-Products & Chemical Corporation (Incorporated), Louisville, Ky. Black Leaf 40 (Nicotine Sulphate). 49,541; June 22.
Toc's Products Co. Inc., Syracuse, N. Y. Temple's Ozonized Chlorine Solution Toc's. For Chlorine Liquid Solution Used for Cleansing Purposes. 49,542; June 22.
Twin City Milk Producers Association, St. Paul, Minn. Old World Type Cheese. For Cave Aged Cheese. 49,543; June 22.
Twitchell-Champlin Co., The, Portland, Maine, Hatchet Brand. For Canned Food Products. 49,544; June 22.
Vimpep Foods, Inc., Cambridge, Md. Nice Kitty. For Cat and Dog Food. 49,545; June 22.
Ward, Edwin W., Jr., doing business as The Richie Company, Sierra Madre, Calif. Richie's. For Orange Marmalade. 49,546; June 22.
West-Way Cleaning Systems, New Richmond, Wis. West-Way Solvent. For Cleaning Solvent. 49,547; June 22.
Western Reserve Laboratories, Cleveland, Ohio. Benzyne-Crystals, Non-Explosive-Cleaning Fluid. For a Cleaning Fluid. 49,548; June 22.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Whitman's Fairhill. For Chocolates. 49,549; June 22.
Wright, L. P., doing business as Wright Farms, Richford, N. Y. Wire Floor Eggs. For Eggs. 49,550; June 22.
Yale Products, Inc., New York, N. Y. Selzerettes. For a Systemic Antacid in Tablet Form. 49,551; June 22.

LIST OF REGISTRANTS OF PRINTS

Albany Packing Co., Inc., West Albany, N. Y. Fresh First Prize Pure Meat Products 'From the Great Corn Belt States'. For Meat Products. 16,229; June 22.
Albany Packing Co., Inc., West Albany, N. Y. First Prize Pure Pork Sausage. It's All Pork! For Pork Sausage. 16,230; June 22.
Albany Packing Co., Inc., West Albany, N. Y. First Prize Bacon. For Bacon. 16,231; June 22.
Albany Packing Co., Inc., West Albany, N. Y. First Prize Bolognas. For Bologna. 16,232; June 22.
Albany Packing Co., Inc., West Albany, N. Y. First Prize Ham, Delicious Flavor! For Ham. 16,233; June 22.
Albany Packing Co., Inc., West Albany, N. Y. First Prize Smoked Liver Sausage (Braunschweiger). For Liver Sausage. 16,234; June 22.
Albany Packing Co., Inc., West Albany, N. Y. First Prize Luncheon Loaf. For Luncheon Loaf. 16,235; June 22.
Albany Packing Co., Inc., West Albany, N. Y. First Prize Skinless Frankfurts. For Skinless Frankfurts. 16,236; June 22.
Albany Packing Co., Inc., West Albany, N. Y. First Prize Boiled Ham. For Boiled Ham. 16,237; June 22.
Albany Packing Co., Inc., West Albany, N. Y. First Prize Daisy. For Daisies. 16,238; June 22.
Albany Packing Co., Inc., West Albany, N. Y. First Prize Pressed Ham. For Pressed Ham. 16,239; June 22.
Albany Packing Co., Inc., West Albany, N. Y. First Prize Frankfurts. For Frankfurts. 16,240; June 22.
Alliance Auto Service, Inc., Philadelphia, Pa. Squeek Prof Lubrication. For Lubricants. 16,241; June 22.
American Hot Dip Galvanizers Association, Inc., Pittsburgh, Pa. Hot Dip Galvanizing. For Galvanized Products. 16,242; June 22.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Assorted Drops. For Assorted Candy Drops. 16,243; June 22.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Spearmint Gum. For Spearmint Gum. 16,244; June 22.
Bigelow-Sanford Carpet Co. Inc. New York, N. Y. Thrifty Textures in Bigelow Rugs and Carpets. For Rugs and Carpets. 16,245; June 22.
Camden County Beverage Company, Camden, N. J. Hey Folks—Stubby's In Town. . . Camden Beer. For Ale and Beer. 16,246; June 22.
Coca-Cola Company, The, Atlanta, Ga. Drink Coca-Cola— Served Here Ice Cold. For a Bottled Beverage. 16,247; June 22.
Coca-Cola Company, The, Atlanta, Ga. Drink "Coca-Cola". For Coca-Cola. 16,248–9; June 22.
Consolidated Typewriter Co., Cleveland, Ohio. Ohio's Largest Dealers. For Typewriters, Typewriter Stands, Portable Typewriter Cases and Typewriter Paper. 16,250; June 22.
Cramer-Tobias Co., New York, N. Y. Romance Furs. For Furs. 16,251; June 22.
Crimpwick Products Company. (See Diamond, Jacob.)
Diamond, Jacob, doing business as Crimpwick Products Company, Hyde Park, Mass. Crimpwick. For Wicks for Fuel and Oil Burners. 16,252; June 22.
General Mills, Inc., Minneapolis, Minn. Betty Crocker's Chocolate "Joy Cake"! For Flour. 16,253; June 22.
General Mills, Inc., Minneapolis, Minn. Here's the Shortcake Your Husband Means. For Biscuit Flour. 16,254; June 22.
Glemby Company Inc., The, New York, N. Y. Lorraine Sportwear and Water Wave. For Sportwear and Water Wave Nets. 16,255; June 22.
Hoppe, Frank A., Inc., Philadelphia, Pa. Fine for Guns and Reels. For Lubricating Oil. 16,256; June 22.
Jennings, Herbert G., White Plains, N. Y. Jennings Hosiery. For Hosiery. 16,257; June 22.
Lowe, Joe, Corporation, New York, N. Y. Cheerio Your Favorite Ice Cream Deliciously Coated. For Frozen Stick Confectionery Products. 16,258; June 22.
Lowe, Joe, Corporation, New York, N. Y. The Magic Confection Fudgicle, The Fudge Freeze. For Frozen Stick Confectionery Products. 16,259; June 22.
Lowe, Joe, Corporation, New York, N. Y. Ice Cream Popsicle Fudgicle Refreshing. For Frozen Stick Confectionery Products. 16,260; June 22.
Kingan & Company, Indianapolis, Ind. Kingan's Reliable—Fit for a King. For Ham and Bacon. 16,261; June 22.
Louisville Gas & Electric Company, Louisville, Ky. The Low Cost Twins. For Gas and Electricity. 16,262; June 22.
Mannings, Inc., doing business as Mannings, San Francisco, Calif. Cold Facts About Iced Tea. For Tea. 16,263; June 22.
Mueller Electric Company, Cleveland, Ohio. Special Line Battery and Test Clips. For Battery and Test Clips. 16,264; June 22.
Permeen Derm Products Company, Roselle Park, N. J. For Mild and Severe Cases of Athlete's Foot. For a Preparation for Treating Athlete's Foot. 16,265; June 22.
Premier-Pabst Sales Co., Peoria Heights, Ill. It's Time for Pabst. For Beer and Ale. 16,266; June 22.
Premier-Pabst Sales Co., Peoria Heights, Ill. So Much More Enjoyment When You Say Pabst, Ad. No. 3204. For Beer. 16,267; June 22.
Premier-Pabst Sales Co., Peoria Heights, Ill. So Much More Satisfying When You Say—Pabst, Ad. No. 2506. For Beer. 16,268; June 22.
Premier-Pabst Sales Co., Peoria Heights, Ill. So Much More Enjoyment When You Say Pabst, Ad. No. 2505. For Beer. 16,269; June 22.
Premier-Pabst Sales Co., Peoria Heights, Ill. So Much More Enjoyment When You Say Pabst, Ad. No. 2206. For Beer. 16,270; June 22.
Premier-Pabst Sales Co., Peoria Heights, Ill. So Much More Flavor When You Say—Pabst, Ad. No. 2205. For Beer. 16,271; June 22.
Premier-Pabst Sales Co., Peoria Heights, Ill. So Much More Enjoyment When You Say Pabst, Ad. No. 738. For Beer. 16,272; June 22.
Premier-Pabst Sales Co., Peoria Heights, Ill. So Much More Satisfying When You Say Pabst, Ad. No. 3510. For Beer. 16,273; June 22.
Premier-Pabst Sales Co., Peoria Heights, Ill. So Much More Enjoyment When You Say Pabst, Ad. No. 738. For Beer. 16,274; June 22.
Premier-Pabst Sales Co., Peoria Heights, Ill. So Much More Flavor When You Say—Pabst, Ad. No. 4514. For Beer. 16,275; June 22.
Premier-Pabst Sales Co., Peoria Heights, Ill. So Much More Refreshment When You Say—Pabst, Ad. No. 4513. For Beer. 16,276; June 22.

Premier-Pabst Sales Co., Peoria Heights, Ill. So Satisfying When You Say Pabst, Ad. No. 4515. For Beer. 16,277; June 22.
Premier-Pabst Sales Co., Peoria Heights, Ill. So Much More Refreshment When You Say Pabst, Ad. No. 3504. For Beer. 16,278; June 22.
Rochester Packing Co., Inc., Rochester, N. Y. 'As Fresh as Your Morning's Milk' Arpeako Selected Eastern Dressed Fresh Pork. For Fresh Pork. 16,279; June 22.
Rosenbaum's, Inc., Cleveland, Ohio. One Account Outfits the Family. For Boys' Suits, Girls' Coats, Girls' Wash Dresses, Ladies' Coats, Ladies' Dresses, Ladies' Suits, Men's Suits, and Men's Topcoats. 16,280; June 22.
Royal Milling Company, Minneapolis, Minn. Prize Winners Say "Thanks to Rex!" For Flour. 16,281; June 22.
Sears, Joseph F., Yakima, Wash. Meat is Cheaper than Doctor Bills. For Meat. 16,282–3; June 22.
Slack Furniture Company, East St. Louis, Ill. Jolly Irishman's Furniture. For Furniture. 16,284; June 22.
Wolf Drug Company, Newark, N. J. Parfums Chartier. For Cosmetics. 16,285; June 22.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cellulose fibers or pulps. Brown Company. 347,393; June 22; Serial No. 389,052; published Apr. 13, 1937.
Coal. Walter Bledsoe & Company. 347,273; June 22; Serial No. 386,844; published Apr. 13, 1937.
Humus. Florida Humus Company. 347,353; June 22; Serial No. 388,568; published Apr. 13, 1937.
Leather, Dull sheen kid. Surpass Leather Company. 347,351; June 22; Serial No. 388,551; published Apr. 13, 1937.
Skins and pelts, Fur. United Fur Breeders, Inc. 347,266; June 22; Serial No. 386,184; published Apr. 13, 1937.

CLASS 2

Containers, Metal. Spira & Gordon. 347,271; June 22; Serial No. 386,700; published Apr. 13, 1937.
Containers or jugs, Insulated. Knapp-Monarch Company. 347,426; June 22.

CLASS 3

Leather goods. E. J. Wilkins Co. 347,321; June 22; Serial No. 388,291; published Apr. 13, 1937.
Pocket books and wallets. W. J. Caley. 347,388; June 22; Serial No. 389,010; published Apr. 13, 1937.

CLASS 4

Chemical compound. V. R. Noer. 347,330; June 22; Serial No. 388,240; published Apr. 6, 1937.
Cleaner, Rug and upholstery. A. Isserson. 347,220; June 22; Serial No. 375,643; published Apr. 6, 1937.
Cleaner, Shoe. Louangel Corporation. 347,355; June 22; Serial No. 388,579; published Apr. 6, 1937.
Cleaner, Toilet bowl. Derris, Inc. 347,343; June 22; Serial No. 388,390; published Apr. 6, 1937.
Cleaning powder, Dry. Jen, Inc. 347,230; June 22; Serial No. 381,161; published Apr. 13, 1937.
Cleansing compound, Soluble. V. C. Products Company. 347,323; June 22; Serial No. 388,158; published Apr. 6, 1937.
Detergent composition for scouring textiles. Cowles Detergent Company. 347,319; June 22; Serial No. 388,122; published Apr. 6, 1937.
Polish. S. Steinberg. 347,389; June 22; Serial No. 389,044; published Apr. 13, 1937.
Polish, Silver. A. E. Keller. 347,311; June 22; Serial No. 388,006; published Apr. 6, 1937.
Preparation for cleaning glass windows, windshields, and the like. C. M. Kimball Co. 347,448; June 22.
Soap. James S. Kirk & Company. 118,202; renewed Aug. 21, 1937.
Soap. James S. Kirk & Company. 118,300; renewed Aug. 28, 1937.
Soap. McCoy, Jones & Westlake, Inc. 347,384; June 22; Serial No. 388,950; published Apr. 6, 1937.
Soap. West Coast Soap Company. 117,960; renewed Aug. 7, 1937.
Soap, Cleaning. Gilbert and Dimitre. 347,314; June 22; Serial No. 388,056; published Apr. 6, 1937.
Soap, Foot. S. G. Stanley. 347,342; June 22; Serial No. 388,374; published Apr. 13, 1937.
Soap product powder. Kali Manufacturing Co. 347,290; June 22; Serial No. 387,468; published Apr. 13, 1937.
Soap, soap powder, and washing powder. Globe Soap Company. 117,311; renewed July 3, 1937.
Soap, toilet soap, glycerine soap, etc., Shaving. Ferd. Mülhens, Inc. 347,371; June 22; Serial No. 388,791; published Apr. 6, 1937.
Soaps. Colgate & Co. 118,627; renewed Sept. 25, 1937.
Soaps and shaving creams, Perfumed. J. Lahoud. 347,424; June 22.

CLASS 5

Adhesives and pastes. S S Rubber Cement Co. 347,262; June 22; Serial No. 385,905; published Apr. 13, 1937.
Compound for cementing rubberlike material. Glenn L. Martin Company. 347,399; June 22; Serial No. 389,085; published Apr. 13, 1937.
Glue and glue powder. M. Sondheimer. 347,408; June 22; Serial No. 389,270; published Apr. 13, 1937.
Glues and adhesives. I. F. Laucks, Inc. 347,403; June 22; Serial No. 389,135; published Apr. 13, 1937.

CLASS 6

Antiseptic and liniment, First aid. Hawthorn Drug Company. 347,268; June 22; Serial No. 386,232; published Apr. 6, 1937.
Antiseptic, Non-toxic and non-caustic. Abbott Laboratories. 119,014; renewed Oct. 23, 1937.
Antiseptics. L. C. Palmer. 347,336; June 22; Serial No. 388,277; published Mar. 30, 1937.
Bactrin, equine influenza mixed bacterin, bovine mixed bacterin, etc., Blackleg. O. M. Franklin Blackleg Serum Company. 347,250; June 22; Serial No. 384,525; published Feb. 9, 1937.
Bleach, deodorant, and disinfectant. S. Monkarsh. 347,258; June 22; Serial No. 385,446; published Apr. 6, 1937.
Capsule for the treatment of asthma, Medicinal. J. B. Leedy. 347,245; June 22; Serial No. 383,841; published Mar. 30, 1937.
Chemical adjuvants for animal and vegetable oils. Monsanto Chemical Company. 347,356; June 22; Serial No. 388,588; published Apr. 6, 1937.
Chemical compositions for water-proofing and preserving. Cuprinol Limited. 347,254; June 22; Serial No. 385,134; published Mar. 30, 1937.
Chemical compounds and brightening agents for zinc plating. E. I. du Pont de Nemours and Company. 347,406; June 22; Serial No. 389,210; published Apr. 13, 1937.
Chemical preparation for tanning leathers. Jacques Wolf & Co. 347,267; June 22; Serial No. 386,185; published Apr. 6, 1937.
Chemical tablet. R. F. Braunlin. 347,332; June 22; Serial No. 388,256; published Mar. 30, 1937.
Cosmetic preparations. Miner's, Inc. 347,291; June 22; Serial No. 387,508; published Mar. 23, 1937.
Cough mixture preparation, Liquid. Garrison & Son. 347,437; June 22.
Counter-irritant and local application for the treatment of sprains, etc. Chicago Pharmacal Co. 347,281; June 22; Serial No. 387,312; published Apr. 6, 1937.
Cream, face powder, lipstick, etc., Cleansing. Richard Hudnut. 347,446; June 22.
Cream, foundation cream, cold cream, etc., Liquefying. Wright & Lawrence. 347,444; June 22.
Cream, mascara, eye shadow cream, etc., Foundation. Marie Earle, Inc. 347,407; June 22; Serial No. 389,237; published Apr. 13, 1937.
Cream, vanishing cream, tissue cream, etc., Cleansing. M. Pardo. 347,316; June 22; Serial No. 388,068; published Apr. 13, 1937.
Deodorizing chemical liquid, Perfumed. Al-Ion Manufacturing Co. 347,328; June 22; Serial No. 388,216; published Mar. 30, 1937.
Diuretic preparation. C. Weatherall. 347,256; June 22; Serial No. 385,329; published Feb. 23, 1937.
Dyestuffs. E. I. du Pont de Nemours and Company. 347,405; June 22; Serial No. 389,209; published Apr. 13, 1937.
Dyestuffs. Southern Dyestuff Corporation. 347,261; June 22; Serial No. 385,703; published Apr. 6, 1937.
Fluid particularly adapted for treating arthritis, injection. C. M. Kemper. 347,260; June 22; Serial No. 385,693; published Apr. 6, 1937.
Food and health drink. Lat Research Products. 347,257; June 22; Serial No. 385,441; published Apr. 6, 1937.
Fungicide and germicide for the treatment of athlete's foot, etc. Pharma-Craft Corporation. 347,300; June 22; Serial No. 387,797; published Apr. 6, 1937.
Hair tonic and a deodorant. M. Goldberg. 347,309; June 22; Serial No. 388,000; published Mar. 30, 1937.
Insecticides and preparations for control of plant pests. General Chemical Company. 347,278; June 22; Serial No. 387,121; published Apr. 6, 1937.
Insecticides, insect exterminators, repellents, etc. Reefer-Galler Inc. 347,283; June 22; Serial No. 387,350; published Apr. 6, 1937.
Liniment. L. P. Martin. 347,349; June 22; Serial No. 388,505; published Apr. 6, 1937.
Liniments, liquid ink and stain removers, liquid bluings, etc. E. Zimmer. 347,441; June 22.
Lipstick, rouge, face powder, etc. Associated Distributors, Inc. 347,294; June 22; Serial No. 387,652; published Apr. 6, 1937.

Lotion, Antiseptic eye. H. M. Nagle. 347,440; June 22.
Lotions and hair waving solutions. E. L. Smith. 347,288; June 22; Serial No. 387,422; published Apr. 6, 1937.
Lotions, Skin and scalp. Bonne Bell, Inc. 347,350; June 22; Serial No. 388,527; published Apr. 6, 1937.
Medicinal preparation. Finis Co. 347,270; June 22; Serial No. 386,423; published Apr. 6, 1937.
Medicinal preparation. S. Robinson. 347,292; June 22; Serial No. 387,561; published Apr. 6, 1937.
Medicinal preparation. Waldner-Heller Drug Company. 347,368; June 22; Serial No. 388,696; published Apr. 6, 1937.
Medicinal products. George A. Breon & Company. 347,225; June 22; Serial No. 379,075; published Apr. 13, 1937.
Medicinal remedies. C. Allen. 116,268; renewed Apr. 24, 1937.
Medicine. Vegola Specialty Company. 347,301; June 22; Serial No. 387,806; published Apr. 6, 1937.
Medicine for ear ailments. A. O. Leonard. 347,239; June 22; Serial No. 383,198; published Apr. 6, 1937.
Medicine for hogs. Welter & Welter. 347,295; June 22; Serial No. 387,689; published Apr. 6, 1937.
Medicines. Pyridium Corporation. 347,322; June 22; Serial No. 388,144; published Mar. 30, 1937.
Medicines, Poultry. C. E. Holmes. 347,229; June 22; Serial Nos. 380,913–14; published Apr. 6, 1937.
Mineral oil jelly for use as a laxative, Refined. Arlington Chemical Company. 347,312; June 22; Serial No. 388,043; published Apr. 6, 1937.
Moth proofing spray. U. S. Antiseptic Laboratories Corporation. 347,337; June 22; Serial No. 388,289; published Mar. 30, 1937.
Mouth wash. P. Warfman. 347,327; June 22; Serial No. 388,215; published Mar. 30, 1937.
Oils, Textile. Solvol Corporation. 347,318; June 22; Serial No. 388,107; published Mar. 30, 1937.
Ointment and lotion. Bond Pharmacals. 347,325; June 22; Serial No. 388,181; published Apr. 13, 1937.
l-ascorbic acid. Eli Lilly and Company. 347,315; June 22; Serial No. 388,065; published Mar. 30, 1937.
Perfume. Faitoute, Inc. 347,326; June 22; Serial No. 388,189; published Apr. 13, 1937.
Perfume, toilet water, face creams, etc. Spanish Trading Corporation. 347,451; June 22.
Pharmacal preparation. D. Funston Company. 347,354; June 22; Serial No. 388,570; published Apr. 13, 1937.
Pharmaceutical preparations. Keene Drug Company. 347,286; June 22; Serial No. 387,380; published Apr. 6, 1937.
Poisons. H. E. Bagnall. 347,221; June 22; Serial No. 376,619; published Apr. 13, 1937.
Powder, perfume, toilet water, etc., Talcum. James S. Kirk & Company. 117,043; renewed June 12, 1937.
Powders, toilet water, sachet, etc. A Mosheim. 347,420; June 22.
Preparation for preventing sunburn. Helena Rubenstein Inc. 347,430; June 22.
Preparation for treatment of hemorrhoids, rectal disorders, and the like. Mellen Company Inc. 347,247; June 22; Serial No. 384,005; published Apr. 6, 1937.
Preparation to be used in the treatment of indigestion, dyspepsia, gas, etc. Bond Pharmacals. 347,324; June 22; Serial No. 388,180; published Mar. 30, 1937.
Preparations for treatment of abortus, alcoholism, alopecia, anaemia, etc. N. V. Organon. 347,232–3; June 22; Serial Nos. 381,994–5; published Apr. 6, 1937.
Processing fluid, Water repellent. P. Klein. 347,423; June 22.
Salts, Alkaline effervescent. H. Kirk White & Co. 347,277; June 22; Serial No. 387,097; published Apr. 6, 1937.
Salts, Effervescent. H. Kirk White & Co. 347,298; June 22; Serial No. 387,762; published Apr. 6, 1937.
Salts for the treatment of ferrous metal surfaces. Alrose Chemical Company. 347,284; June 22; Serial No. 387,361; published Apr. 6, 1937.
Salts for use in connection with plating metals. Alrose Chemical Company. 347,285; June 22; Serial No. 387,362; published Apr. 6, 1937.
Salve. I. S. Lawrence. 347,443; June 22.
Salve. Lydia O'Leary, Inc. 347,432; June 22.
Salve or balm. F. S. Colwell. 119,266; renewed Nov. 13, 1937.
Salve or ointment. D. M. Martocci. 347,297; June 22; Serial No. 387,751 published Apr. 6, 1937.
Salves and ointments. Takamine Laboratory, Inc. 117,946; renewed Aug. 7, 1937.
Serum and hog-cholera virus. Anti-hog-cholera. Ottumwa Serum Co. 119,364; renewed Nov. 13, 1937.
Shampoos, oils, creams, etc., Hair. Natone Inc. 347,246; June 22; Serial No. 383,936; published Apr. 13, 1937.
Silicate of soda. Philadelphia Quartz Company. 347,308; June 22; Serial No. 387,952; published Mar. 30, 1937.
Silicate of soda. Philadelphia Quartz Company. 347,331; June 22; Serial No. 388,241; published Mar. 30, 1937.
Tablets for the treatment of colds. Donalds Limited, Inc. 347,252; June 22; Serial No. 384,788; published Apr. 13, 1937.
Treatment for distemper. Delson Chemical Co. Inc. 117,650; renewed July 24, 1937.

CLASS 9

Caps, Blasting. Hercules Powder Company. 347,429; June 22.
Loading implements for rifle, pistol, and shotgun cartridges and molds for bullets. P. M. Talcott. 116,866; renewed May 29, 1937.

CLASS 12

Lumber. Stulman-Emrick Lumber Co. 347,243; June 22; Serial No. 383,829; published Mar. 30, 1937.
Shingles, laths, sawed lumber, etc. Great Southern Lumber Co. 119,188; renewed Oct. 30, 1937.

CLASS 13

Clamps, Band. McKee Bros. 347,377; June 22; Serial No. 388,869; published Apr. 13, 1937.
Hardware and plumbing and steam-fitting supplies. Walter G. Ruggles Company. 117,362; renewed July 3, 1937.
Hardware, Pole line. Utilities Service Company. 347,357; June 22; Serial No. 388,598; published Apr. 13, 1937.
Links for automobile tire chains, Repair. Flower City Specialty Company. 347,219; June 22; Serial No. 375,503; published Apr. 13, 1937.
Pads and metallic binder-snubbing plates, Composition. Signode Steel Strapping Company. 347,248; June 22; Serial No. 384,139; published Apr. 13, 1937.
Valves and valve fittings, Air. Anderson Products, Incorporated. 347,235; June 22; Serial No. 382,460; published Apr. 13, 1937.

CLASS 14

Copper nickel steel alloy sheets. Columbian Steel Tank Company. 347,251; June 22; Serial No. 384,613; published Dec. 22, 1936.
Die castings. Parker White-Metal & Machine Co. 347,454; June 22.
Iron in the form of pigs, Pig. Interlake Iron Corporation. 347,216; June 22; Serial No. 369,738; published Apr. 13, 1937.
Track joints, Railway. Rail Joint Company. 347,282; June 22; Serial No. 387,347; published Apr. 13, 1937.

CLASS 15

Oils and greases. Crew livick Company. 116,405; renewed May 1, 1937.
Oils and greases. Crew Livick Company. 116,826; renewed May 29, 1937.

CLASS 16

Oils, Paint. Hillman Importing and Trading Co. Inc. 347,259; June 22; Serial No. 385,551; published Mar. 30, 1937.
Paint products. A. C. Horn Company. 347,310; June 22; Serial No. 388,004; published Apr. 13, 1937.
Varnish and ceramic, shellac varnish, enamel, etc. Chicago Varnish Company. 116,745; renewed May 22, 1937.
Wax and lacquer polishes, Polishing. Minnesota Mining & Manufacturing Company. 347,416; June 22; Serial No. 389, 656; published Apr. 13, 1937.
Wax, Quick-drying liquid. Davies-Young Soap Company. 347,402; June 22; Serial No. 389,121; published Apr. 13, 1937.

CLASS 17

Cigarettes. D. D. H. Minassian. 116,967; renewed June 5, 1937.
Cigarettes. United Kingdom Tobacco Company. 117,490; renewed July 10, 1937.
Cigars. American Tobacco Company. 347,392; June 22; Serial No. 389,051; published Apr. 13, 1937.
Cigars. United Cigar Manufacturers Company. 116,807; renewed May 22, 1937.
Cigars. United Cigar Manufacturers Company. 118,351; renewed Aug. 28, 1937.
Cigars. United Cigar Manufacturers Company. 118,720; renewed Sept. 25, 1937.

CLASS 19

Bicycles. Zephyr Cycle Company. 347,238; June 22; Serial No. 382,937; published Oct. 13, 1936.
Bodies and tops and parts of same for vehicles. Rex Manufacturing Company. 116,859; renewed May 29, 1937.
Defrosters for automobile windshields and the like. M. B. Roy. 347,234; June 22; Serial No. 382,004; published Apr. 13, 1937.

CLASS 21

Electrical conduits. Triangle Conduit Co. Inc. 118,834; renewed Oct. 2, 1937.
Electrical fire alarm signaling systems and parts thereof. Gamewell Company. 347,387; June 22; Serial No. 388,978; published Apr. 13, 1937.
Signaling devices, Electric sound-producing signaling devices. Benjamin Electric Manufacturing Company. 117,981; renewed Aug. 14, 1937.
Spark plugs and spark plug porcelains. A C Spark Plug Company. 347,421; June 22.

CLASS 22

Tennis sets, games played with a ball and racquet or bat, balls, etc., Table. Munro Athletic Products Company. 347,275; June 22; Serial No. 386,957; published Apr. 13, 1937.
Vending and amusement machine, Coin-operated. International Mutoscope Reel Co. Inc. 349,348; June 22; Serial No. 388,501; published April 13, 1937.

CLASS 23

Dispenser for toilet preparations, Pneumatic. B. Wetzel. 347,296; June 22; Serial No. 387,718; published Apr. 13, 1937.
Ice shaving and chipping machine. Service Devices Incorporated. 347,436; June 22.
Locomotives, Steam. Lima Locomotive Works, Inc. 118,679; renewed Sept. 25, 1937.
Mail handling machines and devices and parts thereof; stamp affixing machines and devices, etc. Standard Mailing Machines Company. 347,435; June 22.
Mills, machinery, steam engines, etc. Edward P. Allis & Co. 14,423; re-renewed May 24, 1937.

CLASS 26

Eyeglass frames of the folding oxford type. T. & P. Optical Mfg. Co. 347,376; June 22; Serial No. 388,858; published Apr. 13, 1937.
Filters, Color. Weston Electrical Instrument Corporation. 347,390; June 22; Serial No. 389,047; published April. 13, 1937.

CLASS 27

Watches, watch movements, and watch cases. Pierce Watch Co. 347,455; June 22.

CLASS 29

Brushes for billiard tables. Brunswick-Balke-Collender Company. 347,410; June 22; Serial No. 389,452; published Apr. 13, 1937.
Powder puffs. Oxyzn Company. 347,409; June 22; Serial No. 389,432; published Apr. 13, 1937.

CLASS 31

Refrigerators. Gibson Electric Refrigerator Corporation. 347,442; June 22.

CLASS 32

Mattresses. Li-on Bedding Company. 347,395–6; June 22; Serial Nos. 389,074–5; published Apr. 13, 1937.
Mattresses. Li-on Bedding Company. 347,397–8; June 22; Serial Nos. 389,077–8; published Apr. 13, 1937.
Seat covers and pads. Evr-Klean Seat Pad Co. 347,379–81; June 22; Serial Nos. 388,924–6; published Apr. 13, 1937.
Seat covers and pads. Evr-Klean Seat Pad Co. 347,382; June 22; Serial No. 388,928; published Apr. 13, 1937.

CLASS 34

Stoves, ranges, and heating furnaces, Heating and cooking. Floyd-Wells Company. 347,240; June 22; Serial No. 383,303; published Apr. 13, 1937.

CLASS 35

Belting and hose, Rubber. New York Rubber Company. 119,357; renewed Nov. 13, 1937.
Belting, hose, and machinery packing. National Supply Company. 118,561; renewed Sept. 18, 1937.
Belting, Leather. Baldwin Belting & Leather Company. 347,449; June 22.
Belting, Leather. L. A. Raniville. 116,978; renewed June 5, 1937.
Sealing compound, Non-hardening plastic. Fostoria Pressed Steel Corp. 347,438; June 22.
Tires, Vehicle. M. R. Albert. 347,445; June 22.

CLASS 36

Pianos. H. J. Sohmer. 119,130; renewed Oct. 23, 1937.

CLASS 37

Books, Blank flexibly bound. H. B. Martling. 347,269; June 22; Serial No. 386,331; published Apr. 13, 1937.
Paper. Curtis 1000 Incorporated. 347,304; June 22; Serial No. 387,861; published Apr. 13, 1937.
Paper and cardboard. B. Compton. 347,289; June 22; Serial No. 387,461; published Apr. 13, 1937.
Paper and envelopes. Nation Wide Papers, Inc. 347,433; June 22.
Paper and paper towels, Toilet. Wortendyke Manufacturing Company. 117,272; renewed June 26, 1937.
Paper, cardboard, and strawboard, Wrapping and packing. British Cellulyd Limited. 347,255; June 22; Serial No. 385,247; published Apr. 13, 1937.
Paper, Moisture and moisture vapor proof wrapping. Dixie Wax Paper Company. 347,439; June 22.
Paper table covers. Northern Paper Mills. 347,345; June 22; Serial No. 388,478; published Apr. 13, 1937.
Paper, Toilet tissue. Northern Paper Mills. 347,347; June 22; Serial No. 388,480; published Apr. 13, 1937.
Paper towels. Northern Paper Mills. 347,346; June 22; Serial No. 388,479; published Apr. 13, 1937.
Paper, Wrapping. Fletcher Paper Company. 347,394; June 22; Serial No. 389,061; published Apr. 13, 1937.

CLASS 38

Books, pamphlets, printed circulars, etc. International Union of Operating Engineers. 347,276; June 22; Serial No. 387,071; published Apr. 13, 1937.
Charts, printed data, compilations, etc. Joslyn Laboratories, Inc. 347,236; June 22; Serial No. 382,753; published Apr. 13, 1937.
Letters, pamphlets, and brochures, Printed. H. H. Gartner. 347,231; June 22; Serial No. 381,202; published Apr. 13, 1937.
Magazine. E. B. Fritz. 347,279; June 22; Serial No. 387,180; published Apr. 13, 1937.
Magazine. G. J. Houtain. 347,338; June 22; Serial No. 388,319; published Apr. 13, 1937.
Magazine, Monthly. New York Central Railroad Company. 347,362; June 22; Serial No. 388,656; published Apr. 13, 1937.
Magazines issued monthly. Administrative Publishing Company. 347,358; June 22; Serial No. 388,608; published Apr. 13, 1937.
Newspaper section. Philadelphia Inquirer Company. 347,249; June 22; Serial No. 384,402; published Apr. 13, 1937.
Periodical, Monthly. Catholic Digest. 347,302; June 22; Serial No. 387,816; published Apr. 13, 1937.
Periodical, Monthly. Childs Company. 118,384; renewed Sept. 4, 1937.
Prints and publications. Waldes & Company of New Jersey. 119,221–2; renewed Oct. 30, 1937.
Publication. Industrial Publishing Co. 347,228; June 22; Serial No. 380,872; published Apr. 13, 1937.
Sections or columns appearing in magazines and other publications. Bruns Publications, Inc. 347,352; June 22; Serial No. 388,561; published Apr. 13, 1937.

CLASS 39

Blouses, bonnets, dresses, etc. Simpson & Godlee, Limited. 347,253; June 22; Serial No. 385,010; published Apr. 13, 1937.
Blouses, dresses, skirts, etc. I. Kotzen. 347,450; June 22.
Boots and shoes. P. A. Sperry. 347,359; June 22; Serial No. 388,627; published Apr. 13, 1937.
Boots and shoes, overshoes, and rubber-sole canvas shoes, Rubber. Hood Rubber Company. 116,640–3; renewed May 15, 1937.
Brassières. S. Leffmann Limited. 347,360; June 22; Serial No. 388,645; published Apr. 13, 1937.
Coats, dresses, shoes, etc., Girls' and children's. Abraham & Straus, Inc. 347,214; June 22; Serial No. 354,456; published Apr. 13, 1937.
Coats, suits, and dresses. H. Bomze and Bro. 347,428; June 22.
Collars, Paper. Atlas Ago Chemische Fabrik Aktiengesellschaft. 347,329; June 22; Serial No. 388,218; published Apr. 6, 1937.
Dresses. W. M. Marrow. 347,307; June 22; Serial No. 387,912; published Apr. 6, 1937.
Dresses and blouses. Lido Sportswear, Inc. 347,306; June 22; Serial No. 387,908; published Apr. 6, 1937.
Dresses, Ladies'. Frederick's Gown Shop, Inc. 347,425; June 22.
Dresses, sweaters. Lampl Sportswear Manufacturing Company. 347,305; June 22; Serial No. 387,884; published Apr. 6, 1937.
Frocks, boys' suits, and children's dresses, Girls'. Mayer-Nock Co. 347,344; June 22; Serial No. 388,477; published Apr. 6, 1937.
Gloves. R. H. Macy & Co. 117,172–3; renewed June 19, 1937.
Heels, Rubber. Jenco Brothers, Inc. 347,415; June 22; Serial No. 389,591; published Apr. 13, 1937.
Hosiery. Interwoven Stocking Company. 347,431; June 22.
Hosiery. Kramer Bros. 347,263; June 22; Serial No. 385,984; published Apr. 6, 1937.
Jackets, jumperalls, knickers, etc. Elder Manufacturing Company. 347,320; June 22; Serial No. 388,127; published Apr. 6, 1937.
Pajamas, men's and boys' underwear, and shirts, Men's. I. Janov-Abeles Shirt Co. 347,369; June 22; Serial No. 388,781; published Apr. 13, 1937.
Shirts, waists, and pajamas, Knit polo. Globe Mills, Inc. 347,447; June 22.
Shoes. D. Weisberger. 347,272; June 22; Serial No. 386,752; published Apr. 12, 1937.
Slippers and sheepskin moccasins. Midwest Slipper Mfg. Co. 347,287; June 22; Serial No. 387,384; published Apr. 13, 1937.
Socks, undershirts, shirts, etc. J. David. 347,313; June 22; Serial No. 388,052; published Apr. 13, 1937.
Soles, Composition. Mishawaka Woolen Manufacturing Company. 116,917; renewed June 5, 1937.
Suits, coats, trousers, etc., Gordon Clothing Co. 347,237; June 22; Serial No. 382,828; published Apr. 6, 1937.

CLASS 40

Hair curlers and accessory curl clasps, Non-electrical. R. T. Plate. 347,217; June 22; Serial No. 370,812; published Sept. 1, 1936.

Ribbon head bands, ribbon barrettes, and ribbon hair bandeaus. Ribbon Mill Corporation. 347,227; June 22; Serial No. 379,764; published Dec. 1, 1936.

CLASS 41

Umbrellas. Elmer Kreis & Co. 347,341; June 22; Serial No. 388,354; published Mar. 30. 1937.

CLASS 42

Cotton and rayon piece goods, knitted and woven. Loomcrest Corporation. 347,339; June 22; Serial No. 388,326; published Apr. 13, 1937.
Piece goods. Siegel Bros. Kiki Maid Koats Inc. 347,280; June 22; Serial No. 387,256; published Apr. 13, 1937.
Rayon and acetate cloth. Chopak Textile Co. Inc. 347,404; June 22; Serial No. 389,172; published Apr. 13, 1937.
Silk piece goods. H. R. Mallinson & Co. 118,896; renewed Oct. 9, 1937.
Thread and elastic webbing, Covered rubber. United Elastic Corporation. 347,427; June 22.

CLASS 43

Yarns. Merkel & Klenlin G. m. b. H. 347,361; June 22; Serial No. 388,652; published Apr. 6, 1937.

CLASS 45

Beverages. Glendale Beverage Co. 347,212; June 22; Serial No. 353,644; published Apr. 13, 1937.
Beverages and syrups and concentrates from which soft drinks are made. Citrus Products Company. 347,222; June 22; Serial No. 377,911; published Dec. 1, 1936.
Beverages and syrups and concentrates from which soft drinks are made. Citrus Products Company. 347,223; June 22; Serial No. 378,393; published Dec. 1, 1936.
Beverages, Maltless.. Bordeaux Champagne Co. 347,453; June 22.
Beverages. Nonalcoholic. Vess Beverage Company. 347,400; June 22; Serial No. 389,106; published Apr. 13. 1937.
Drinks and flavors therefor, Soft. Virginia Dare Extract Company. 347,385; June 22; Serial No. 388,965; published Apr. 13. 1937.
Juices and flavoring extracts for alcoholic liquors, Fruit. Mil-Hone Products Co. 347,434; June 22.
Water, distilled water, siphon water, etc., Spring. W. P. Hershberger. 347,299; June 22; Serial No. 387,785; published Apr. 13. 1937.

CLASS 46

Bouillon-cubes and beef extracts. Hart & Company. 117,554; renewed July 17, 1937.
Breakfast combination comprising sliced bacon and sliced smoked boneless ham. F. G. Vogt & Sons, Incorporated. 347,373; June 22; Serial No. 388,812; published Apr. 13. 1937.
Cakes. T. W. Woodworth. 347,418; June 22.
Candy. Elmer Candy Co. 347,386; June 22; Serial No. 388,973; published Apr. 13, 1937.
Canned fruits, canned vegetables, canned fish, etc. Wurm Brothers Company. 347,241; June 22; Serial No. 383,498; published Apr. 6, 1937.
Chips made from whole tamale corn. A. G. Wynkoop. 347,391; June 22; Serial No. 389,048; published Apr. 13. 1937.
Chocolates and candies. Société Menier. 347,378; June 22; Serial No. 388,875; published Apr. 13. 1937.
Corn-grits, corn flakes, rice grits, etc. Mil-Ford Food Products Co. 347,340; June 22; Serial No. 388,329; published Apr. 13, 1937.
Feed, Poultry. Geo. B. Matthews & Sons. 117,458; renewed July 10, 1937.
Feed, Stock. Geo. B. Matthews & Sons. 117,178; renewed June 19, 1937.
Flour, bread, and pancake or muffin flour, etc., Mixed cotton seed and wheat. C. A. Sears. 347,215; June 22; Serial No. 367,108; published Mar. 23, 1937.
Flour, Self-rising wheat. Centennial Mill Company. 119,258; renewed Nov. 13, 1937.
Flour, Wheat. Mansfield Milling Co. 118,796; renewed Oct. 2, 1937.
Flour, Wheat. Ritzville Flouring Mills. 119,377; renewed Nov. 13. 1937.
Food, Dog. Rath Packing Company. 347,372; June 22; Serial No. 388,798; published Apr. 13. 1937.
Foods. Curtice Brothers Co. 117,837; renewed Aug. 7, 1937.
Fruit, Fresh citrus. Sunflower Packing Corp. 347,265; June 22; Serial No. 386,050; published Apr. 13, 1937.
Fruits, Fresh citrus. Camarillo Citrus Association. 347,401; June 22; Serial No. 389,114; published Apr. 13, 1937.
Lobster tails, Spiny, frozen. Wouka Distributing Co. 347,244; June 22; Serial No. 383,834; published Apr. 13, 1937.
Mayonnaise and salad dressings. Mayonnaise Products Corporation. 347,383; June 22; Serial No. 388,949; published Apr. 13, 1937.
Piecrust mix. Roman Meal Company. 347,419; June 22.
Poultry, Dressed. Aster Cash Markets Company. 347,303; June 22; Serial No. 387,852; published Apr. 13, 1937.
Powder concentrate for making maple flavored syrup. Jel Sert Company. 347,370; June 22; Serial No. 388,782; published Apr. 13, 1937.
Salad dressing and/or mayonnaise. Best Foods, Inc. 347,213; June 22; Serial No. 354,021; published Apr. 13, 1937.
Sugar. American Sugar Refining Company. 116,497; renewed May 8, 1937.
Sugar. Imperial Sugar Company. 119,080; renewed Oct. 23, 1937.
Turkey poults and dressed turkey. Ramona Turkey Growers' Association. 347,226; June 22; Serial No. 379,260; published Mar. 16, 1937.
Vegetables, Fresh. G. A. Dahl & Co. 347,374–5; June 22; Serial Nos. 388,830–31; published Apr. 13, 1937.

CLASS 47

Wines. College Inn Food Products Company. 347,333; June 22; Serial No. 388,260; published Apr. 13, 1937.
Wines. G. Loewus & Co. 347,334; June 22; Serial No. 388,270; published Apr. 13, 1937.
Wines. G. Loewus & Co. 347,335; June 22; Serial No. 388,272; published Apr. 13, 1937.

CLASS 48

Beer. Auto City Brewing Company. 347,212; June 22; Serial No. 383,697; published Apr. 13, 1937.

CLASS 49

Alcohol, Grain. Red Star Yeast and Products Company. 347,417; June 22; Serial No. 389,796; published Apr. 13, 1937.
Brandy, Apple. New Jersey Apple Growers, Inc. 347,317; June 22; Serial No. 388,104; published Apr. 13, 1937.
Cordials. Etablissements Pernod, Maisons Pernod Fils, Hemard & Pernod Pere & Fils Reunies (Société Anonyme). 347,411–12; June 22; Serial Nos. 389,554–5; published Apr. 13, 1937.
Liqueur, Cherry. A. M. & J. Solari, Ltd. 347,422; June 22.
Rum. Park, Benziger & Co. 347,293; June 22; Serial No. 387,592; published Apr. 13, 1937.
Whiskey. Western Distillers Corp. 347,274; June 22; Serial No. 386,878; published Apr. 13, 1937.
Whiskey. Woodford County Distillery Co. 347,413–4; June 22; Serial Nos. 389,585–6; published Apr. 13, 1937.
Whiskey, gin, rum, etc. Nussbaum Liquor Store, Inc. 347,218; June 22; Serial No. 373,835; published Feb. 25, 1936.
Whiskey, gin, rum, etc. United Distillers (of America), Ltd. 347,452; June 22.

CLASS 50

Fly swatters. Collis Company. 347,363–7; June 22; Serial Nos. 388,669–73; published Apr. 13, 1937.
Signs and parts thereof, Mechanically operated advertising. F. Piowati. 347,264; June 22; Serial No. 386,045; published Apr. 13, 1937.
Signs, artificial flowers, foliage, etc., Advertising. Wm. T. Knott Company. 347,224; June 22; Serial No. 378,406; published Apr. 13, 1937.

LIST OF LABELS

Around The World. For Candy and Gifts. Leader Novelty Candy Co. 49,504; June 22.
Bart's Cream Bread. For Bread. Bart's Bakery Inc. 49,438; June 22.
Benzyne-Crystals, Non-Explosive Cleaning Fluid. For a Cleaning Fluid. Western Reserve Laboratories. 49,548; June 22.
Best Ever. For Grapefruit Juice. L. E. Holloway. 49,494 June 22.
Black Knight. For Carbon Paper and Typewriter Ribbons. Miller-Bryant-Pierce Company. 49,515; June 22. Company. 49,515; June 22.
Black Leaf 40 (Nicotine Sulphate). For Nicotine Sulphate. Tobacco By-Products & Chemical Corporation (Incorporated). 49,541; June 22.
Blue Flash Sealing Tape. For Gummed Sealing Tape. Peerless Paper Specialty, Inc. 49,522; June 22.
Boyco-Lustre. For Automobile Polish. Boyd Tea Company. 49,442; June 22.

Brach's Lemon Drops. For Lemon Drops. E. J. Brach & Sons. 49,443; June 22.
Brentwood Ice Cream. For Ice Cream. Menasha Products Company. 49,514; June 22.
Brer Rabbit (Gold). For Molasses. Penick & Ford, Ltd. Incorporated. 49,524; June 22.
Brer Rabbit (Green). For Molasses. Penick & Ford, Ltd. 49,523; June 22.
Camden Beer. For Beer. Camden County Beverage Company. 49,454; June 22.
Cameo Hair Net. For Hair Nets. Glemby Company. 49,480; June 22.
Cardinal. For House Paint. Cardinal Paint Corporation. 49,456; June 22.
Carmafat. For a Pure Vegetable Product for Baking, Cooking and Frying. M. Margolis. 49,508; June 22.
Chateau Ville. For California Sherry. F. Muther. 49,517; June 22.
Cocoanut Cream. For Pies. Fibreware Corporation. 49,474; June 22.
Cook's Best. For Cocoa. Siren Mills Corporation. 49,538; June 22.
Cream of Frankfort. For Bourbon Whiskey. W. T. Fitzgerald. 49,475; June 22.
Deluxe Ice Cream 'Pint Size'. For Ice Cream. Bridgeman-Russell Company. 49,449; June 22.
Deluxe Ice Cream 'Quart Size'. For Ice Cream. Bridgeman-Russell Company. 49,444; June 22.
De Luxe Lemon. For a Lemon Concentrate. H. Doman. 49,470; June 22.
"Dolly Madison" Home Made Sugar and Ginger Cookies, Layer and Fruit Cakes. For Sugar and Ginger Cookies, Layer and Fruit Cakes. S. D. Madison. 49,506; June 22.
Dressauce. For Salad Dressing. Blue Seal Food Products, Inc. 49,441; June 22.
Enchanted Nights Mattress. For Mattresses. Sealy, Incorporated. 49,535; June 22.
Energine Cigar Lighter Fluid. For Lighter Fluid. Cummer Products Company. 49,466; June 22.
Energine (Inflammable) The Perfect Dry Cleaner. For Dry Cleaning Fluid. Cummer Products Company. 49,469; June 22.
Fair-View. For Port Wine. F. E. Muther. 49,518; June 22.
Fireproof Energine (The Perfect Dry Cleaner). For Dry Cleaning Fluid. Cummer Products Company. 49,467–8; June 22.
Frisko. For a Game. Embossing Company. 49,472; June 22.
Front Line Interior Wall Finish Flat Paint. For Ready Mixed Flat Paint. Hazard Lead Works Inc. 49,483; June 22.
Front Line Ready Mixed Floor Enamel. For Ready Mixed Floor Enamel. Hazard Lead Works Inc. 49,484; June 22.
Fryers by the Piece. For Young Chickens Cut Up and Sold by the Piece. W. H. Brown. 49,451; June 22.
Fyffe's Goora-Admees Embrocation. For Liniment. A. McNally. 49,511; June 22.
Gamble's Standard 4 Hour Varnish. For Varnish. Gamble Stores, Inc. 49,476; June 22.
Gamble's Super Quality Chrome Floor Varnish. For Varnish. Gamble Stores, Inc. 49,477; June 22.
Gay-Berdine. For Dressing for Gabardine Shoes. E. B. Milloy. 49,516; June 22.
Geisler's Vitamin Bird Seed. For Bird Seed. Max Geisler Bird Co. 49,478; June 22.
Gold Medal—The Package with a Charm—(Dog Design). For Oats. Northern Illinois Cereal Co. 49,521; June 22.
Gold Medal—The Package with a Charm—(Horse Design). For Oats. Northern Illinois Cereal Co. 49,520; June 22.
Graceful Arch. For Cartons. Bird & Son, Inc. 49,439; June 22.
Grand Valley Butter. For Butter. Bridgeman-Russell Company. 49,447; June 22.
Hatchet Brand. For Canned Food Products. Twitchell-Champlin Co. 49,544; June 22.
Hi-Wa-See. For Fresh Citrus Fruits. G. W. Clapp. 49,461; June 22.
Iced Tea—Mannings Special Blend. For Tea. Mannings, Inc. 49,507; June 22.
Kleenteeth. For a Preparation for Cleaning Dental Plates. Fasteeth Incorporated. 49,473; June 22.
Knickerbocker Silhouette Shower Bath Outfit. For Shower Bath Sprays. Knickerbocker Rubber Company. 49,500; June 22.
Knickerbocker Tak-A-Part Spray Head. For Shower Bath Sprays. Knickerbocker Rubber Co. 49,499; June 22.
Kool Kix by Buckhecht. For Shoes. Buckingham & Hecht. 49,452; June 22.
Krueger Root Beer. For Root Beer. Krueger Beverage Company. 49,502; June 22.
Lady Gay. For Boxes. Hoague-Sprague Corporation. 49,493; June 22.
Longfellow Package "Pint Size". For Ice Cream. Bridgeman-Russell Company. 49,448; June 22.
Longfellow Package "Quart Size". For Ice Cream. Bridgeman-Russell Company. 49,445; June 22.
Lord Camden Ale. For Ale. Camden County Beverage Company. 49,455; June 22.
Lubricating Gas-O-Line. For a Preparation for Treating and Processing Gasoline. F. W. Thaison. 49,540; June 22.
Luce. For Field Peas. Luce Products, Inc. 49,505; June 22.
Mac's Chinook Brand. For Preserved Salmon Eggs. A. McLlesh. 49,509; June 22.
Mac's Steel Head Brand. For Preserved Salmon Eggs. A. McLeish. 49,510; June 22.
Menasha Finest Butter. For Butter. Menasha Products Company. 49,513; June 22.
Menasha Ice Cream. For Ice Cream. Menasha Products Company. 49,512; June 22.
Mineral Colloids—A Colloidal Plant Food. For a Colloidal Plant Food. Colloidal Products of America, Inc. 49,463; June 22.
Mineral Fostates—Colloidal Minerals for Animals and Poultry. For Colloidal Minerals for Animals and Poultry. Colloidal Products of America, Inc. 49,464; June 22.
Modern Toys. For Toys. Kilgore Manufacturing Company. 49,497; June 22.
Monogram Hair Net. For Hair Nets. Glemby Company. 49,481; June 22.
Mushroom Fillets. For Canned Mushrooms. Grocery Products Manufacturing Corporation. 49,482; June 22.
Naogen. For Especially Prepared Aromatic Alkaline Powder Liberating Nascent Oxygen for Mucous Membrane Therapy. Jerome Stuart Laboratories, Inc. 49,539; June 22.
Natural Rest Mattress. For Mattresses. Sealy, Incorporated. 49,532; June 22.
Nice Kitty. For Cat and Dog Food. Vimpep Foods, Inc. 49,545; June 22.
No-Blur. For Writing and Fountain Pen Ink. No-Blur Ink Mfg. Co. 49,519; June 22.
Odessa Brand Salami. For Salami Sausage. Kosher Zion Sausage Co. of Chicago. 49,501; June 22.
Old World Type Cheese. For Cave Aged Cheese. Twin City Milk Producers Association. 49,543; June 22.
Original Spanish Omelet Sauce. For Spanish Omelet Sauce. J. V. Landes. 49,503; June 22.
Pensacola Rye Brand. For Rye Whiskey. Pensacola Liquor Distributors, Inc. 49,525; June 22.
Porcela. For a Cleanser for Enamel and Porcelain Ware. Porcela-Radax Co. 49,526; June 22.
Primus Butter. For Butter. Bridgeman-Russell Company. 49,446; June 22.
R. R. C. Drain Opener. For a Preparation for Cleaning and Opening Drains. Rex Research Corporation. 49,529; June 22.
Regina Hair Net. For Hair Nets. Glemby Company. 49,479; June 22.
Rhumi-Cure. For a Liniment. W. Radewan. 49,528; June 22.
Richie's. For Orange Marmalade. E. W. Ward. Jr. 49,546; June 22.
Ronrico West Indies Cocktail Rum. For Rum. Puerto Rico Distilling Company. 49,527; June 22.
Salem. For Beer. Salem Brewery Association. 49,531; June 22.
Sealy Sleep Charm Mattress. For Mattresses. Sealy, Incorporated. 49,537; June 22.
Sealy Truease Mattress. For Mattresses. Sealy, Incorporated. 49,536; June 22.
Sealy Tuftless Mattress. For Mattresses. Sealy, Incorporated. 49,534; June 22.
Selzerettes. For a Systematic Antacid in Tablet Form. Yale Products, Inc. 49,551; June 22.
"Seneca". For Fresh Citrus Fruits. G. W. Clapp. 49,462; June 22.
Shoes that Satisfy. For Boxes. Hoague-Sprague Corporation. 49,488; June 22.
Shoes with Personalitee. For Shoes. M. B. Claff & Sons, Inc. 49,460; June 22.
Silver Bond. For House Paint. Cardinal Paint Corporation. 49,457; June 22.
Sizor. For Hats. St. Marks Corporation. 49,530; June 22.
Sky Scraper Ice Cream. For Ice Cream. Bridgeman-Russell Company. 49,450; June 22.
Sleep Ensemble Mattress Unit. For Mattresses. Sealy, Incorporated. 49,533; June 22.
Smart Shoes. For Boxes. Hoague-Sprague Corporation. 49,492; June 22.
Smart Shoes. For Cartons. Bird & Son, Inc. 49,440; June 22.
Special Reserve. For Apple Brandy. Hickory Town Distilling Co. 49,485; June 22.
Spor-Tee Sports. For Boxes. Hoague-Sprague Corporation. 49,486; June 22.
Supreme. For Cattle Spray. F. Houseman. 49,495; June 22.
Sylvia Beautiful Footwear. For Boxes. Hoague-Sprague Corporation. 49,491; June 22.
Temple's Ozonized Chlorine Solution Toc's. For Chlorine Liquid Solution Used for Cleansing Purposes. Toc's Products Co. Inc. 49,542; June 22.
Territorial No. 326. For Butter. Butler Paper Products Company. 49,453; June 22.
The Hazmore Shoe. For Boxes. Hoague-Sprague Corporation. 49,489; June 22.
The Perfect Sweeping Compound. For Sweeping Compound. Dustbane Products Company. 49,471; June 22.

Union Made-Neckwear. For Neckwear. Amalgamated Clothing Workers of America. 49,436; June 22.
Vogue Shoes. For Boxes. Hoague-Sprague Corporation. 49,487; June 22.
Warsaw-Brand-Delicious Cooked Ham-Boneless. For Cooked Boneless Ham. Centropol Company. 49,458; June 22.
Warsaw-Brand Delicious Cooked Picnic. For Cooked Picnics. Centropol Company. 49,459; June 22.
Welt-O-Pedic. For Boxes. Hoague-Sprague Corporation. 49,490; June 22.
West Virginia Ham. For Ham. Hygrade Food Products Corporation. 49,496; June 22.
West-Way Solvent. For Cleaning Solvent. West-Way Cleaning Systems. 49,547; June 22.
White Unicorn Ale. For Ale. F. R. Kneip. 49,498; June 22.
Whitman's Fairhill. For Chocolates. Stephen F. Whitman & Son, Inc. 49,549; June 22.
Wire Floor Eggs. For Eggs. L. P. Wright. 49,550; June 22.
Wite-Flos. For Toilet Tissue. Cooperative Sales Agency. 49,465; June 22.
You Will Like My Stuff Awful Fresh. For Confectionery and Nuts. Awful Fresh MacFarlane. 49,437; June 22.

LIST OF PRINTS

'As Fresh As Your Morning's Milk' Arpeako Selected Eastern Dressed Fresh Pork. For Fresh Pork. Rochester Packing Co. 16,279; June 22.
Beech-Nut Assorted Drops. For Assorted Candy Drops. Beech-Nut Packing Company. 16,243; June 22.
Beech-Nut Spearmint Gum. For Spearmint Gum. Beech-Nut Packing Company. 16,244; June 22.
Betty Crocker's Chocolate "Joy Cake"! For Flour. General Mills, Inc. 16,253; June 22.
Cheerlo your Favorite Ice Cream Deliciously Coated. For Frozen Stick Confectionery Products. Joe Lowe Corporation. 16,258; June 22.
Cold Facts About Iced Tea. For Tea. Mannings, Inc. 16,263; June 22.
Crimpwick. For Wicks for Fuel and Oil Burners. J. Diamond. 16,252; June 22.
Drink "Coca-Cola". For Coca-Cola. Coca-Cola Company. 16,248-9; June 22.
Drink Coca-Cola—Served Here Ice Cold. For a Bottled Beverage. Coca-Cola Company. 16,247; June 22.
Fine for Guns and Reels. For Lubricating Oil. Frank A. Hoppe, Inc. 16,256; June 22.
First Prize Bacon. For Bacon. Albany Packing Co. 16,231; June 22.
First Prize Boiled Ham. For Boiled Ham. Albany Packing Co. 16,237; June 22.
First Prize Bolognas. For Bologna. Albany Packing Co. 16,232; June 22.
First Prize Daisy. For Daisies. Albany Packing Co. 16,238; June 22.
First Prize Frankfurts. For Frankfurts. Albany Packing Co. 16,240; June 22.
First Prize Ham, Delicious Flavor! For Ham. Albany Packing Co. 16,233; June 22.
First Prize Luncheon Loaf. For Luncheon Loaf. Albany Packing Co. 16,235; June 22.
First Prize Pressed Ham. For Pressed Ham. Albany Packing Co. 16,239; June 22.
First Prize Pure Pork Sausage. It's All Pork! For Pork Sausage. Albany Packing Co. 16,230; June 22.
First Prize Skinless Frankfurts. For Skinless Frankfurts. Albany Packing Co. 16,236; June 22.
First Prize Smoked Liver Sausage (Braunschweiger). For Liver Sausage. Albany Packing Co. 16,234; June 22.
For Mild and Severe Cases of Athlete's Foot. For a Preparation for Treating Athlete's Foot. Permeen Derm Products Company. 16,265; June 22.
Fresh First Prize Pure Meat Products 'From the Great Corn Belt States'. For Meat Products. Albany Packing Co. 16,229; June 22.
Here's the Shortcake Your Husband Means. For Biscuit Flour. General Mills, Inc. 16,254; June 22.
Hey Folks—Stubby's in Town . . . Camden Beer. For Ale and Beer. Camden County Beverage Company. 16,246; June 22.
Hot Dip Galvanizing. For Galvanized Products. American Hot Dip Galvanizers Association, Inc. 16,242; June 22.
Ice Cream Popsicle Fudgicle Refreshing. For Frozen Stick Confectionery Products. Joe Lowe Corporation. 16,260; June 22.
It's Time for Pabst. For Beer and Ale. Premier-Pabst Sales Co. 16,266; June 22.
Jennings Hosiery. For Hosiery. H. G. Jennings. 16,257; June 22.
Jolly Irishman's Furniture. For Furniture. Slack Furniture Company. 16,284; June 22.
Kingan's Reliable—Fit for a King. For Ham and Bacon. Kingan & Company. 16,261; June 22.
Lorraine Sportwear and Water Wave. For Sportwear and Water Wave Nets. Glemby Company Inc. 16,255; June 22.
Meat is Cheaper Than Doctor Bills. For Meat. J. F. Sears. 16,282-3; June 22.
Ohio's Largest Dealers. For Typewriters, Typewriter Stands, Portable Typewriter Cases and Typewriter Paper. Consolidated Typewriter Co. 16,250; June 22.
One Account Outfits the Family. For Boys' Suits, Girls' Coats, Girls' Wash Dresses, Ladies' Coats, Ladies' Dresses, Ladies' Suits, Men's Suits and Men's Topcoats. Rosenbaum's, Inc. 16,280; June 22.
Parfums Chartier. For Cosmetics. Wolf Drug Company. 16,285; June 22.
Prize Winners Say "Thanks to Rex!" For Flour. Royal Milling Company. 16,281; June 22.
Romance Furs. For Furs. Cramer-Tobias Co. 16,251; June 22.
So Much More Enjoyment When You Say Pabst. Ad. No. 738. For Beer. Premier-Pabst Sales Co. 16,272; June 22.
So Much More Enjoyment When You Say Pabst. Ad. No. 738. For Beer. Premier-Pabst Sales Co. 16274; June 22.
So Much More Enjoyment When You Say Pabst, Ad. No. 2206. For Beer. Premier-Pabst Sales Co. 16,270; June 22.
So Much More Enjoyment When You Say Pabst, Ad. No. 2505. For Beer. Premier-Pabst Sales Co. 16,269; June 22.
So Much More Enjoyment When You Say Pabst, Ad. No. 3204. For Beer. Premier-Pabst Sales Co. 16,267; June 22.
So Much More Flavor When You Say Pabst, Ad. No. 2205. For Beer. Premier-Pabst Sales Co. 16,271; June 22.
So Much More Flavor When You Say Pabst, Ad. No. 4514. For Beer. Premier-Pabst Sales Co. 16,275; June 22.
So Much More Refreshment When You Say Pabst, Ad. No. 3504. For Beer. Premier-Pabst Sales Co. 16,278; June 22.
So Much More Refreshment When You Say Pabst, Ad. No. 4513. For Beer. Premier-Pabst Sales Co. 16,276; June 22.
So Much More Satisfying When You Say Pabst, Ad. No. 2506. For Beer. Premier-Pabst Sales Co. 16,268; June 22.
So Much More Satisfying When You Say Pabst, Ad. No. 3510. For Beer. Premier-Pabst Sales Co. 16,273; June 22.
So Satisfying When You Say Pabst, Ad. No. 4515. For Beer. Premier-Pabst Sales Co. 16,277; June 22.
Special Line Battery and Test Clips. For Battery and Test Clips. Mueller Electric Company. 16,264; June 22.
Squeek Pruf Lubrication. For Lubricants. Alliance Auto Service, Inc. 16,241; June 22.
The Low Cost Twins. For Gas and Electricity. Louisville Gas & Electric Company. 16,262; June 22.
The Magic Confection Fudgicle, The Fudge Freeze. For Frozen Stick Confectionery Products. Joe Lowe Corporation. 16,259; June 22.
Thrifty Textures in Bigelow Rugs and Carpets. For Rugs and Carpets. Bigelow-Sanford Carpet Co. Inc. 16,245; June 22.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Atlantic Precision Instrument Company. (See Howe, Wilfred H., assignor.)
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Power lift means for tractors and the like. 20,415; June 22.
Crucible Steel Company of America. (See Payson, Peter, assignor.)
Culver, Charles A., Northfield, Minn. Electrical generator. 20,416; June 22.
Deere & Company. (See Brown, Theophilus, assignor.)
Hood, John M., South Hadley, Mass. Treating natural and artificial yarns. 20,417; June 22.
Howe, Wilfred H., Winchester, assignor to Atlantic Precision Instrument Company, Malden, Mass. Controlling rectifiers and circuits therefor. 20,418; June 22.
International Business Machines Corporation. (See Lowkrantz, Gunne, assignor.)
Lowkrantz, Gunne, Endicott, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Sorting machine. 20,419; June 22.
Mangan, George B., Washington, D. C., assignor to Westinghouse Electric & Manufacturing Company. High voltage fuse. 20,420; June 22.
Newtone Engineering Inc. (See Pfister, Arthur, assignor.)
Payson, Peter, assignor to Crucible Steel Company of America, New York, N. Y. Alloy steel and making same. 20,421; June 22.
Pfister, Arthur, Queens Village, assignor to Newtone Engineering Inc., New York, N. Y. Sound translating system. 20,422; June 22.
Robaczynski, Ladislaus, Brooklyn, N. Y. Knitting machine. 20,423; June 22.
Rocke, Bertha M. (See Rocke, William, assignor.)
Rocke, William, South Bend, Ind., assignor to B. M. Rocke, Bloomington, Ill. Washing machine and method. 20,424; June 22.
Schori, Fritz, Wetzikon, Switzerland. Atomizer for materials in powder form. 20,425; June 22.
Westinghouse Electric & Manufacturing Company. (See Mangan, George B.)

LIST OF PLANT PATENTEES

Schultz, Elmer H., assignor to The Wayside Gardens Company, Mentor, Ohio. Phlox. 252; June 22.
Wayside Gardens Company, The. (See Schultz, Elmer H., assignor.)

LIST OF DESIGN PATENTEES

Alley, W. N., Incorporated. (See Jones, Sidney, A., assignor.)
Aull, Harry, assignor, by mesne assignments, to Friedberger-Aaron Mfg. Co., Philadelphia, Pa. Elastic fabric. 104,985; June 22.
Baldwin Company, The. (See Day, Wilbur M., assignor.)
Bennett Incorporated. (See Neitzke, Oscar F., assignor.)
Bissell Carpet Sweeper Co. (See Williams, Findley, assignors.)
Bradley, Ralph A., Minneapolis, Minn., assignor to Butler Manufacturing Company, Kansas City, Mo. Trailer tank. 104,986; June 22.
Brooks, Jonathan W., Philadelphia, Pa. Textile fabric. 104,987; June 22.
Brooks, Jonathan W., Philadelphia, Pa. Textile fabric. 104,988; June 22.
Brooks, Jonathan W., Philadelphia, Pa. Textile fabric. 104,989; June 22.
Brooks, Jonathan W., Philadelphia, Pa. Textile fabric. 104,990; June 22.
Burrows, Robert J., and A. O. Williams, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Rail vehicle. 105,053; June 22.
Butler Manufacturing Company. (See Bradley, Ralph A., assignor.)
Cairns, Howard, San Francisco, Calif. Interchangeable rubber heel. 104,991; June 22.
Carr-Lowrey Glass Co. (See McLaughlin, Frank, assignor.)
Clark Equipment Company. (See Burrows, R. J., and Williams, assignors.)
Cleland, William B., Toronto, Ontario, Canada, assignor to Joseph E. Seagram & Sons, Limited. Clock case. 105,068; June 22.
Coleman, Tora, New York, N. Y. Dress ensemble. 105,069; June 22.
Cook, Mildred K., assignor to F. H. Noble & Co., Chicago, Ill. Receptacle for pens, pencils, or other articles. 104,992; June 22.
Day, Wilbur M., assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 104,993; June 22.
Day, Wilbur M., assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 104,994; June 22.
Devereux, Frank L., Jacksonville, Tex. Combined flowerpot and support. 104,995; June 22.
Donohoe, Ross N., Portsmouth, Ohio. Shoe. 104,996; June 22.
Donohoe, Ross N., Portsmouth, Ohio. Shoe. 104,997; June 22.
Donohoe, Ross N., Portsmouth, Ohio. Shoe. 104,998; June 22.
Donohoe, Ross N., Portsmouth, Ohio. Shoe. 104,999; June 22.
Duncan, Charles R. (See Sandberg, R. A., and Duncan.)
Du Pont, E. I., de Nemours & Company. (See Tyson, Edmund H., assignor.)
Duryea, Robert F., Palo Alto, Calif. License plate holder. 105,000; June 22.
Duryea, Robert F., Palo Alto, Calif. License plate holder. 105,001; June 22.
Eppenstein, James F., Chicago, Ill. Ashtray. 105,002; June 22.
Ficks-Reed Company, The. (See Ficks, Robert L., assignor.)
Ficks, Robert L., assignor to The Ficks-Reed Company, Cincinnati, Ohio. Wheel for articles of cane or rattan furniture or the like. 105,054; June 22.
Fisher, Sam W., assignor to Paden City Glass Mfg. Company, Paden City, W. Va. Decanter or similar article. 105,003; June 22.
Fridén, John H., Maplewood, assignor to The Sun Tube Corporation, Hillside, N. J. Collapsible container. 105,004; June 22.
Friedberger-Aaron Mfg. Co. (See Aull, Harry, assignor.)
Galbo, Joseph, New York, N. Y. Dress. 105,070; June 22.
Grigor, James M., Inverness, Scotland. Brooch. 105,005; June 22.
Groeniger, William C., Columbus, Ohio. Defecator. 105,006; June 22.
Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Smoking stand. 105,007; June 22.
Gustin, Max, New York, N. Y. Sandal. 105,008; June 22.
Hamilton, Bertis F., Columbus, Ind. Towel rack. 105,009; June 22.
Hand, Thomas L., Cincinnati, Ohio, assignor to F. L. Talge, Kansas City, Mo., doing business under the name and style of Rival Manufacturing Company. Fruit juice extractor. 105,071; June 22.
Hanson, Eugene I., New York, N. Y. Textile fabric. 105,055; June 22.
Hartner, Frank W., Ashtabula, Ohio. Sewing cabinet. 105,056; June 22.
Hines, Harold H. and G. McKeown, assignors to Pullman Couch Company, Chicago, Ill. Sofa or similar article. 105,010; June 22.
Hines, Harold H. and G. McKeown, assignors to Pullman Couch Company, Chicago, Ill. Sofa or similar article. 105,011; June 22.

Hines, Harold H. and G. McKeown, assignors to Pullman Couch Company, Chicago, Ill. Sofa or similar article. 105,012; June 22.
Hines, Harold H. and G. McKeown, assignors to Pullman Couch Company, Chicago, Ill. Sofa or similar article. 105,013; June 22.
Huelat, John H., New York, N. Y. Textile fabric. 105,014; June 22.
Huelat, John H., New York, N. Y. Textile fabric. 105,015; June 22.
Huelat, John H., New York, N. Y. Textile fabric. 105,016; June 22.
Huelat, John H., New York, N. Y. Textile fabric. 105,017; June 22.
Jaccarino, Concetta, New York, N. Y. Dress. 105,018; June 22.
Johnstone, Edgar F., Jr., Overbrook, Pa. Typewriter desk. 105,072; June 22.
Jones, Sidney A., Fort Lauderdale, Fla., assignor, by mesne assignments, to W. N. Alley, Incorporated, Wilmington, Del. Ventilated awning shutter. 105,019; June 22.
Kanter, Edward, Cleveland Heights, Ohio, assignor to Railley Corporation. Wall bracket lamp. 105,057; June 22.
Kinsley, Felix P., St. Louis, Mo. Ring or similar article of jewelry. 105,020; June 22.
L. & C. Mayers Company. (See Warren, William S., assignor.)
Laino, Dominick, Springfield, Mass. Automobile bumper. 105,058; June 22.
Landis, Aaron, Elizabeth, N. J. Handbag. 105,021; June 22.
Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Fountain pen. 105,022; June 22.
Little, Charles D., assignor to Seminole Flavor Company, Chattanooga, Tenn. Bottle. 105,024; June 22.
Maison Joubert, Inc. (See Mills, Rollin A., assignor.)
Mallory, P. R., & Co. (See McNaught, William A., assignor.)
McKeown, George. (See Hines, H. H., and McKeown.)
McLaughlin, Frank, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 105,023; June 22.
McNaught, William A., Chicago, Ill., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric vibratory interrupter device. 105,025; June 22.
Mills, Rollin A., Zanesville, Ohio, assignor to Maison Joubert, Inc., New York, N. Y. Bottle or similar container. 105,026; June 22.
Moravek, Harry J., St. Louis, Mo. Transparent convex glass for picture frames. 105,027; June 22.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Trailer. 105,073; June 22.
Neitzke, Oscar F., Belmont, Mass., assignor to Bennett Incorporated, Cambridge, Mass. Emulsifier. 105,059; June 22.
Noble, F. H., & Co. (See Cook, Mildred K., assignor.)
Noble, F. H., & Co. (See Olson, Joseph E., assignor.)
Oakes Products Corporation. (See Sandberg, Ray A., assignor.)
Oakes Products Corporation. (See Sandberg, R. A., and Duncan, assignors.)
Odenerants, Hans H. C., St. Louis, Mo., assignor to Valley Shoe Corporation. Shoe. 105,028; June 22.
Odenerants, Hans H. C., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 105,060; June 22.
Odenerants, Hans H. C., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 105,061; June 22.
Odenerants, Hans H. C., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 105,062; June 22.
Odenerants, Hans H. C., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 105,063; June 22.
Olson, Joseph E., assignor to F. H. Noble & Co., Chicago, Ill. Receptacle for pens, pencils, or other articles. 105,029; June 22.
Paden City Glass Mfg. Company. (See Fisher, Sam W., assignor.)
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Petersime Incubator Company, The. (See Petersime, Ira M., assignor.)
Petersime, Ira M., assignor to The Petersime Incubator Company, Gettysburg, Ohio. Electrothermo bath cabinet. 105,074; June 22.
Pfau, Anton, assignor of one-half to T. G. Rosson, Portland, Oreg. Electrical ornament. 105,064; June 22.
Precision Metal Workers. (See Grunwald, Albert C., assignor.)
Pullman Couch Company. (See Hines, H. H., and McKeown, assignors.)
Railley Corporation. (See Kanter, Edward, assignor.)
Ribera, Lucien, New York, N. Y. Finger ring. 105,030; June 22.
Richards, Boggs and King, Inc. (See Richards, Harvey B., assignor.)
Richards, Harvey B., Lake Bluff, assignor to Richards, Boggs and King, Inc., Chicago, Ill. Combined raincoat and hood. 105,075; June 22.
Rival Manufacturing Company. (See Hand, Thomas L., assignor.)
Rosson, Thomas G. (See Pfau, Anton, assignor.)
Ruchman, Albert, New York, N. Y. Dress. 105,076; June 22.
Sandberg, Ray A., Waukegan, Ill., assignor to Oakes Products Corporation, North Chicago, Ill. Brake lever or similar article. 105,031; June 22.
Sandberg, R. A., and C. R. Duncan, Waukegan, assignors to Oakes Products Corporation, North Chicago, Ill. Brake lever or similar article. 105,032; June 22.
Seagram, Joseph E., & Sons, Limited. (See Cleland, William B., assignor.)
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Seminole Flavor Company. (See Little, Charles D., assignor.)
Shaw, Burton E., Adel, assignor to Penn Electric Switch Co., Des Moines, Iowa. Control clock. 105,077; June 22.
Snowden, John W., Philadelphia, Pa. Textile fabric. 105,033; June 22.
Starr, Joseph, New York, N. Y. Shoe. 105,065; June 22.
Steiner, Ernest, New York, N. Y. Brooch pin or similar article. 105,034; June 22.
Straus, Sylvan M., Gloversville, N. Y. Glove. 105,035; June 22.
Sun Tube Corporation, The. (See Fridén, John H., assignor.)
Talge, Foster L. (See Hand, Thomas L., assignor.)
Tausend, Francis, New York, N. Y. Tablecloth or similar article. 105,036; June 22.
Taylor, Richard, Chicago, Ill. Leaf holder. 105,037; June 22.
Timpanelli, John, New York, N. Y. Shoe. 105,066; June 22.
Turpan, Mark, West New York, N. J. Textile fabric. 105,038; June 22.
Turpan, Mark, West New York, N. J. Textile fabric. 105,039; June 22.
Turpan, Mark, West New York, N. J. Textile fabric. 105,040; June 22.
Turpan, Mark, West New York, N. J. Textile fabric. 105,041; June 22.
Tyson, Edmund H., Caldwell, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Plastic sheet or similar article. 105,042; June 22.
Valley Shoe Corporation. (See Odenerants, Hans H. C., assignor.)
Van Aken, John C., Ridgway, Pa. Combined mirror and hat rack mounting. 105,043; June 22.
Vuillemenot, Frederic A., Toledo, Ohio. Atomizer. 105,044; June 22.
Vuillemenot, Frederic A., Toledo, Ohio. Atomizer. 105,045; June 22.
Vuillemenot, Frederic A., Toledo, Ohio. Atomizer. 105,046; June 22.
Warren, William S., Meriden, Conn., assignor to L. & C. Mayers Company, New York, N. Y. Spoon or other article of flatware. 105,078; June 22.
Waterman, L. E., Company. (See Larsen, Gabriel, assignor.)
White, Byron E., Brattleboro, Vt. Automobile light signal. 105,047; June 22.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 105,048; June 22.
Williams, Alfred O. (See Burrows, R. J., and Williams.)
Williams, Findley, Park Ridge, Ill., assignor to Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweeper. 105,049; June 22.
Williams, Findley, Park Ridge, Ill., assignor to Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweeper bail. 105,050; June 22.
Williams, Findley, Park Ridge, Ill., assignor to Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweeper shell. 105,051; June 22.
Williams, Lee Roy L., Minneapolis, Minn. Radio antenna for vehicles. 105,067; June 22.
Young, Fred M., Racine, Wis. Car heater shell or similar article. 105,052; June 22.
Young, Jack, New York, N. Y. Dress. 105,079; June 22.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Tabern, Donalee L., assignor.)
Ackerly, Orville B., Jr. (See Watson, L. W., and Ackerly.)
Adams, Joy C., Bridgeport, Conn., assignor to General Electric Company. Electric toaster. 2,084,881; June 22.
Adlake Company, The. (See Verhagen, Christian M., assignor.)
Agfa Ansco Corporation. (See Dieterle, Walter, assignor.)
Agfa Ansco Corporation. (See Weyde, Edith, assignor.)
Ahlmann, Nikolai, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Apparatus for rendering pulverulent materials fluent. 2,084,546; June 22.
Aikman, Burton S., Milwaukee, Wis., assignor of one-half to J. A. Dienner, Evanston, Ill. Motor vehicle control system. 2,084,371; June 22.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid compressor. 2,084,664; June 22.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor unloading device. 2,084,665; June 22.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic track brake. 2,084,666; June 22.
Airmaster Corporation. (See Hueglin, Herman C., assignor.)
Air Reduction Company. (See Anderson, James L., assignor.)
Albrecht, George F., Saco, Maine. Spinning ring. 2,084,756; June 22.
Alexandre, Paul, Strasbourg, France. Garment waist band. 2,084,720; June 22.
Allegheny Steel Company. (See Goss, Norman P., assignor.)
Allen, Raymond W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for testing brakes. 2,084,547; June 22.
Allen, Rollin M., Marshalltown, Iowa. Auxiliary accelerator control. 2,084,932; June 22.
Allen, Scott E., Glen Ridge, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Fire extinguishing apparatus. 2,084,719; June 22.
Allis-Chalmers Manufacturing Company. (See Puerner, Bertram H., assignor.)
Allis-Chalmers Manufacturing Company. (See Winograd, Harold, assignor.)
Alter, Isador, New York, N. Y. Bag with spring closure. 2,084,757; June 22.
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Conversion and coking of hydrocarbon oils. 2,084,304; June 22.
Aluminum Company of America. (See Edwards, Junius D., assignor.)
Aluminum Company of America. (See Hogner, Pierre R. L., assignor.)
Alvarado, Alfonso M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Asphalt varnish. 2,084,933; June 22.
American Brake Company, The. (See Wageley, Charles M., assignor.)
American Brake Company, The. (See Williamson, Frederick G., assignor.)
American Enka Corporation. (See Lubberhuizen, Jan W., assignor.)
American Enka Corporation. (See van der Waals, Hendrik G., assignor.)
American Fork & Hoe Company, The. (See Dennis, Charles H., assignor.)
American Metal Company, The. (See Heberlein, Max F. W., assignor.)
American Oxythermic Corporation. (See Frankl, Mathias, assignor.)
American Rock Wool Corporation. (See Drill, Daniel C., assignor.)
American Telephone and Telegraph Company. (See Schott, Lionel, assignor.)
American Telephone and Telegraph Company. (See Wright, Sumner B., assignor.)
American Tractor Equipment Corporation. (See Knapp, John F., assignor.)
American Type Founders Incorporated. (See Seybold, Frederick W., assignor.)
Anaconda Copper Mining Company. (See Barnard, E. A., and Maguire, assignors.)
Anderegg, Frederick O. (See Morbelli, Giovanni, assignor.)
Andersen, Bjorn, Maplewood, and E. A. Grenquist, Bloomfield, N. J., assignors to Celluloid Corporation. Seasoning of plastic material. 2,084,372; June 22.
Andersen, Carl N., Watertown, Mass., assignor to Lever Brothers Company. Aryl mucuric salts of benzene carboxylic acids. 2,084,311; June 22.
Anderson, Albert R., Ambridge, Pa. Corner bracket. 2,084,758; June 22.
Anderson, Bert J., Hammond, Ind. Pedal construction. 2,084,373; June 22.
Anderson, Bert J., Hammond, Ind. Rear frame member. 2,084,374; June 22.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus and method for rolling, forming, and welding. 2,084,375; June 22.
Anderson, Virginia H., Philadelphia, Pa. Urinal. 2,084,788; June 22.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Paper feeding mechanism for accounting machines. 2,084,519; June 22.
Anthony Company. (See Anthony, William C., assignor.)
Anthony, William C., assignor to Anthony Company, Streator, Ill. Hydraulic hoist. 2,084,376; June 22.
Applegarth, George A., San Francisco, Calif. Fire escape. 2,084,303; June 22.
Appleton Electric Company. (See Tornblom, Nils A., assignor.)
Aresee Company Inc. (See Chandler, Daniel L., assignor.)
Arnold, Charles B., assignor to Seymour-Peck Co., Chicago, Ill. Barrel. 2,084,882; June 22.
Ashby, William R. C., Ightham, England. Preparation, cooking, and canning, of chickens and other birds and animal flesh. 2,084,721; June 22.
Ashe, William O. (See Michael, L. P., and Ashe.)
Ashton, Philip E., assignor to The Cuno Engineering Corporation, Meriden, Conn. Electric heater. 2,084,966; June 22.
Associated Oil Company. (See Lazar, A., and Crenna, assignors.)
Astafiev, Michael, Chelsea, London, England. Hydraulic transmission of power. 2,084,312; June 22.
Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Refrigerating apparatus. 2,084,883; June 22.
Ateliers de Constructions Electriques de Delle. (See Bresson, Charles, assignor.)
Atlantic Refining Company, The. (See Houghton, Willard F., assignor.)
Austral Submarine Inventions Limited. (See Clifford, Ernest R., assignor.)
Auto Research Corporation. (See Bijur, Joseph, assignor.
Automatic Electric Company Limited. (See Simpson, Lancelot M., assignor.)
Azzara, Thomas S., Jamaica, and T. De Luca, Brooklyn, assignors to Del-Mac Shoe Process Corporation, New York, N. Y. Apparatus for manufacturing shoe soles. 2,084,884; June 22.
Babb, Claude R., Lakewood, assignor to The Yoder Company, Cleveland, Ohio. Mechanism for cutting sheet material. 2,084,967; June 22.
Babcock & Wilcox Company, The. (See Mayo, Dana H. N., assignor.)
Bach, Emma D., Portland, Oreg. Restraining device. 2,084,305; June 22.
Bakelite Corporation. (See Bender, H. L., and Hoffman, assignors.)
Baker, Del, Shawnee, Okla. Torpedo placement hook. 2,084,722; June 22.
Ball, Frederick O. and T. M., Detroit, Mich. Carburetor. 2,084,306; June 22.
Ball, Thomas M. (See Ball, Frederick O., and T. M.)
Barbarou, Marius J. B., Neuilly sur Seine, France, assignor to Bendix Stromberg Carburetor Company, South Bend, Ind. Carburetor. 2,084,377; June 22.
Barker, Percy E., assignor to A. Betz, Cleveland, Ohio. Washing machine. 2,084,569; June 22.
Barnard, Enoch A., and H. J. Maguire, Anaconda, Mont., assignors to Anaconda Copper Mining Company, New York, N. Y. Metallurgical process and apparatus. 2,084,830; June 22.
Barnes, Marion W., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,084,307; June 22.
Barnum, Leslie F., Detroit, Mich. Paper tacking strip. 2,084,759; June 22.
Barrett Company, The. (See Stebbins, J. D., and Yeager, assignors.)
Barrett, Harvey N. (See Eells, H. P., Jr., and Barrett.)
Bartlett, C. O., & Snow Company, The. (See Snow, Karl F., assignor.)

Battye, Melford D., Daly City, Calif. Collapsible olla cover. 2,084,423; June 22.
Bauman, John J., Lima, Ohio. Refrigerating apparatus. 2,084,424; June 22.
Baumann, Adolf, and C. P. Horlacher, St. Louis, Mo., assignors, by mesne assignments, to Remington Rand Inc. Calculating machine. 2,084,831; June 22.
Beach, Norman F., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Noncohering, transparent sheeting. 2,084,313; June 22.
Beck, Adolph J., assignor to National Pectin Products Company, Chicago, Ill. Jelly cutter. 2,084,570; June 22.
Becker, Helmut, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Camera film guiding mechanism. 2,084,473; June 22.
Becton, Dickinson & Co. (See Smith, Harry T., assignor.)
Beebe, Alan P., Detroit, Mich., assignor to Peninsular Grinding Wheel Co. Grinding wheel. 2,084,789; June 22.
Beede, Frederick N., Pawtucket, R. I. Mixing valve. 2,084,378; June 22.
Behr, Leo J., Bridgeport, Conn. Stationery container and toy. 2,084,308; June 22.
Bell, Charles W., Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Interlocking control apparatus. 2,084,425; June 22.
Bell, Edgar C., Long Beach, Calif. Rotary engine. 2,084,667; June 22.
Bender, Howard L., and H. A. Hoffman, Bloomfield, N. J., assignors to Bakelite Corporation, New York, N. Y. Urea resins. 2,084,314; June 22.
Bendix Aviation Corporation. (See Frank, Frederick C., assignor.)
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
Bendix Brake Company. (See La Brie, L. E., and Rosner, assignors.)
Bendix Products Corporation. (See Dickieson, Edward F., Jr., assignor.)
Bendix Products Corporation. (See Irving, John S., assignor.)
Bendix Products Corporation. (See La Brie, Ludger E., assignor.)
Bendix Products Corporation. (See Millard, Earl B., assignor.)
Bendix Products Corporation. (See Miller, Philip M., assignor.)
Bendix Products Corporation. (See Tatter, John W., assignor.)
Bendix Products Corporation. (See Wynn, James H., assignor.)
Bendix Stromberg Carburetor Company. (See Barbarou, Marins J. B., assignor.)
Bennett, Knight T., assignor of one-half to J. Taylor, Los Angeles, Calif. Gasoline distributing system. 2,084,548; June 22.
Bennett, Lloyd. (See Hanley, K., and Bennett.)
Bennett, Robert N., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Power transmission means. 2,084,887; June 22.
Benning, Anthony F. (See Downing, F. B., and Benning.)
Berl, Ernst, Darmstadt, Germany. Manufacture of highly acetylated cellulose acetates. 2,084,833; June 22.
Berry, Russell G., De Soto, assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel cut-off. 2,084,426; June 22.
Bertele, Ludwig, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic lens system. 2,084,309; June 22.
Betz, Arthur. (See Barker, Percy E., assignor.)
Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. System for radio spectography. 2,084,760; June 22.
Bibb Manufacturing Company. (See Jones, Early D., assignor.)
Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Automatic choke for carburetors. 2,084,607; June 22.
Biermanns, Josef, Berlin-Johannisthal, Germany, assignor to General Electric Company. Electric circuit breaker. 2,084,885; June 22.
Biermanns, Josef, Berlin-Johannisthal, Germany, assignor to General Electric Company. Electric circuit breaker. 2,084,886; June 22.
Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Fluid distribution and regulation. 2,084,315; June 22.
Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Lubrication. 2,084,316; June 22.
Black, Cadelle H., Drexel Hill, Pa., assignor to General Electric Company. Protective arrangement. 2,084,888; June 22.
Blaschke, Josephine, Trenton, Ontario, Canada. Brooder. 2,084,832; June 22.
Blevins, Herman G., Sewickley, assignor to Spang, Chalfant & Company, Inc., Pittsburgh, Pa. Apparatus for welding. 2,084,889; June 22.
Blizzard Manufacturing Company. (See Matejcik, Vincent, assignor.)
Boeing Aircraft Company. (See Canney, Frank R., assignor.)
Boettcher, Friedrich. (See Buschbeck, W., Prost, and Boettcher.)
Bondeson, Carl G., assignor to The Andrew Terry Company, Terryville, Conn. Duplex connecter. 2,084,961; June 22.
Bonhôte, Gérald, and A. Wirz, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Diazonium salts. 2,084,934; June 22.
Booth, Ralph D., Brookline, J. R. Coffin, Newton Highlands, and A. J. Tigges, Boston, Mass., assignors of one-half to Jackson & Moreland, a partnership, and one-half to Standard Oil Development Company. Turbine structure. 2,084,474; June 22.
Bordeaux, Claude G., Albany, N. Y. Heating system. 2,084,571; June 22.
Bott, Francis J., Seattle, Wash. Viner. 2,084,935; June 22.
Boyd, Eleanor L., Scottsboro, Ala. Toilet or water-closet seat protector or cover. 2,084,890; June 22.
Braden, Rene A., Collingswood, N. J., assignor to Radio Corporation of America. Automatic fidelity control circuit. 2,084,379; June 22.
Braden, Rene A., Collingswood, N. J., assignor to Radio Corporation of America. High frequency amplifier. 2,084,475; June 22.
Bradley, Dan T., Detroit, Mich., assignor to Harris Products Company, Akron, Ohio. Coupling. 2,084,761; June 22.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Clutch release mechanism. 2,084,380; June 22.
Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)
Brannon, Robert D., Sulphur, La., and H. G. Moore, Beaumont, Tex. Inside pipe cutter. 2,084,606; June 22.
Braselton, Chester H. (See Donle, Harold P., assignor.)
Brayer Brothers Construction Corporation. (See Brayer, Edward H., assignor.)
Brayer, Edward H., assignor to Brayer Brothers Construction Corporation, Buffalo, N. Y. Meter. 2,084,317; June 22.
Breer, Carl, assignor to Chrysler Corporation, Detroit, Mich. Automotive vehicle. 2,084,572; June 22.
Bresson, Charles, Villeurbanne, assignor to Atellers de Constructions Electriques de Delle, Paris, France. Electric circuit breaker. 2,084,936; June 22.
Breuer, Marcel, Zurich, Switzerland. Frame for spring seats. 2,084,310; June 22.
Bridgeport Metal Goods Manufacturing Company, The. (See Fullmer, Giles C., assignor.)
Brill, J. G., Company, The. (See Browne, A. T., and Guernsey, assignors.)
Britt, George Q., Memphis, Tenn. Piston. 2,084,834; June 22.
Britton, Edgar C., G. H. Coleman, and J. W. Zemba, assignors to The Dow Chemical Company, Midland, Mich. Purification of tetrachloroethylene. 2,084,937; June 22.
Broderson, Neil O., assignor to Rochester Button Company, Rochester, N. Y. Making buttons. 2,084,427; June 22.
Brooks, E. J., Company. (See Brooks, Winfred M., assignor.)
Brooks, Harry E., assignor to Reeves Pulley Company, Columbus, Ind. Adjusting means for variable speed transmission. 2,084,733; June 22.
Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Seal. 2,084,668; June 22.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Shuttle. 2,084,549; June 22.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Loom stopping mechanism. 2,084,550; June 22.
Brown, Charles H., Brooklyn, N. Y., assignor to Radio Corporation of America. Electron discharge device and circuit. 2,084,476; June 22.
Browne, Andrew T., Drexel Hill, and C. O. Guernsey, Yeadon, assignors to The J. G. Brill Company, Philadelphia, Pa. Passenger car construction. 2,084,835; June 22.
Buckeye Traction Ditcher Company, The. (See Bennett, Robert N., assignor.)
Budzyna, Walter J., East Douglas, assignor to Draper Corporation, Hopedale, Mass. Shuttle changing loom. 2,084,551; June 22.
Buell Combustion Company Limited, The. (See Sasse, W., and Schneider, assignors.)
Busch, Conrad J., Wyomissing, and O. E. Huber, Reading, assignors to The Narrow Fabric Company, West Reading, Pa. Wearing apparel. 2,084,938; June 22.
Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Alternating current meter. 2,084,836; June 22.
Buschbeck, Werner, H. Prost, and F. Boettcher, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmitter power control. 2,084,762; June 22.
Bush, Lester C., assignor to The National Glove Company, Columbus, Ohio. Golfer's glove. 2,084,428; June 22.
Bussien, Richard, Cologne, assignor to Voran Automobilbau-Aktiengesellschaft, Berlin-Oberschoneweide, Germany. Steering-wheel drive for power vehicles. 2,084,429; June 22.

Byron, Frank L., Delta, Utah. Deflation indicator switch. 2,084,939; June 22.
Byron-Jackson Co. (See Coberly, Clarence J., assignor.)
C-O-Two Fire Equipment Company. (See Allen, Scott E., assignor.)
Cabral, Jesse L., Eastondale, Mass. Telltale for automobile headlights. 2,084,627; June 22.
Caldwell, Winston, Nashville, Tenn. Cooling system for internal combustion engines. 2,084,940; June 22.
Campbell, Nicholas D., Hackensack, N. J. Automatic inflator for vehicle wheel tires. 2,084,381; June 22.
Campos, Francisco, Paris, France. Paper feeding mechanism. 2,084,318; June 22.
Canetta, John. (See Grosswege, J. B., and Canetta.)
Canney, Frank R., assignor to Boeing Aircraft Company, Seattle, Wash. Cabin and window structure. 2,084,790; June 22.
Capello, Arrigo, E. Echeverria (F. C. S. Buenos Aires), Argentina. Lifting vehicles. 2,084,941; June 22.
Carborundum Company, The. (See Martin, H. C., and Upper, assignors.)
Carborundum Company, The. (See Tone, Frank J., assignor.)
Carlson, Bert G., Queens Village, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Distributing valve. 2,084,477; June 22.
Carpenter-Hiatt Sales Company. (See Graham, George H., assignor.)
Carpenter, Webster I., Norfolk, Va. Dial structure. 2,084,942; June 22.
Carrier Corporation. (See Young, Henry S., Jr., assignor.)
Carter Carburetor Corporation. (See Berry, Russell G., assignor.)
Carter Carburetor Corporation. (See Bicknell, George M., assignor.)
Catland, Alfred C. (See Howard, J. H., and Catland.)
Catland, Alfred C., Alhambra, assignor to Globe Oil Tools Company, Los Nietos, Calif. Well reamer. 2,084,430; June 22.
Catley, Douglas, Wellington, New Zealand. Coupling for hose and like piping. 2,084,431; June 22.
Cauwenberg, Winfred J. (See Ryan, L. W., and Cauwenberg.)
Cease, Robert R., Nameoki, assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,084,891; June 22.
Celanese Corporation of America. (See Platt, Herbert, assignor.)
Celluloid Corporation. (See Andersen, B., and Grenquist, assignors.)
Certain-Feed Products Corporation. (See Charnock, George H., assignor.)
Chamberlain Corporation. (See Etten, Nicholas L., assignor.)
Champion Shoe Machinery Company. (See Dobyne, Stevenson A., assignor.)
Chandler, Daniel L., Somerville, assignor, by mesne assignments, to Aresee Company Inc., Salem, Mass. Automobile door ventilator. 2,084,763; June 22.
Chapman Electric Neutralizer Company. (See Chapman, William H., assignor.)
Chapman, William H., assignor to Chapman Electric Neutralizer Company, Portland, Maine. Neutralizing apparatus. 2,084,968; June 22.
Charnock, George H., Buffalo, assignor to Certain-Feed Products Corporation, New York, N. Y. Surface marking apparatus. 2,084,319; June 22.
Chebotar, Leo P., New York, and R. N. Wallach, Briarcliff Manor, N. Y.; said Wallach assignor of one-sixth to said Chebotar. Oxidation of polynuclear aromatic hydrocarbons. 2,084,382; June 22.
Chernof, Joseph, assignor of one-third to A. B. Levitt, Chicago, Ill., and one-third to A. Mayer, Detroit, Mich. Dipping mechanism for battery grids. 2,084,608; June 22.
Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)
Chorlton, Frank O. L., Bury, England. Filter, strainer, and the like. 2,084,433; June 22.
Christopher, William M., Tonawanda, N. Y. Coin or slug selector device or attachment. 2,084,943; June 22.
Chrysler Corporation. (See Breer, Carl, assignor.)
Chrysler Corporation. (See Dunn, W. T. and Syrovy, assignors.)
Chrysler Corporation. (See Patterson, Herbert F., assignor.)
Chrysler Corporation. (See Staley, Allen C., assignor.)
Chrysler Corporation. (See Webb, Edmond F., assignor.)
Cinch Manufacturing Corporation. (See DelCamp, Scipione M., assignor.)
Circo Products Corporation. (See Mudon, Thomas J. assignor.)
Clark, Franklin B., Washington, D. C. Airship. 2,084,969; June 22.
Clark, Richard U., Waltham, Mass. Electron discharge device. 2,084,478; June 22.
Clarke, Alick. (See Cottrell, Holland D.)
Clear, Victor P., New York, N. Y. Enlarging easel. 2,084,432; June 22.
Clement, Cecil E., Newton, Iowa. Ironing machine. 2,084,383; June 22.
Cleveland Crane & Engineering Company, The. (See Weise, Kurt R., assignor.)
Cleveland Trust Company, Administrator, The. (See Krakau, Harry T.)
Cleveland Twist Drill Company, The. (See Emmons, Joseph V., assignor.)
Clifford, Ernest R., Five Dock, near Sydney, assignor to The Austral Submarine Inventions Limited, Sydney, New South Wales, Australia. Diving dress. 2,084,520; June 22.
Cobb, Leslie L. (See Johnson, J. B., and Cobb)
Coberly, Clarence J., Los Angeles, assignor, by mesne assignments, to Byron Jackson Co., Huntington Park, Calif. Motor construction. 2,084,479; June 22.
Cocozella, Anthony, Lynn, Mass., assignor to The Del-Mac Shoe Process Corporation. Shoe and making same. 2,084,892; June 22.
Coffin, John R. (See Booth, R. D., Coffin and Tigges.)
Cold Metal Process Company, The. (See Goss, Norman P., assignor.)
Cole, Frank O., Detroit, Mich., assignor, by mesne assignments, to Timken-Detroit Axle Company. Circuit controlling apparatus. 2,084,628; June 22.
Coleman, Gerald H. (See Britton, E. C., Coleman, and Zembe.)
Coleman, Stephen L. C., Fredericton, New Brunswick, Canada. Vehicle suspension. 2,084,320; June 22.
Colman, Howard D. (See Cummings, Preston W., assignor.)
Colt, Samuel S., Orange, N. J. Tie rod for concrete forms. 2,084,384; June 22.
Compton, Horace B., Scotia, N. Y. Monument. 2,084,521; June 22.
Conley, Edwin J., and H. J. Menzies, New York, N. Y. Ventilator for vehicles. 2,084,385; June 22.
Consolidated Wire and Associated Corporations. (See Mann, Paul L., assignor.)
Constantin, Eusebe J. L. F., Paris, France, assignor to Fuller Company. Conveying bulk materials. 2,084,764; June 22.
Continental Oil Company. (See Prescott, H. R., and Woodyard, assignors.)
Corcoran, Thomas D., Los Angeles, Calif. Tile roof construction. 2,084,609; June 22.
Cornwell, Lionel B., New York, N. Y. Acoustic device. 2,084,944; June 22.
Cornwell, Lionel B., Teaneck, N. J. Loud speaker. 2,084,945; June 22.
Corradino, Ernesto, and J. A. Verardo, New York, N. Y. Propelling mechanism. 2,084,321; June 22.
Cotal, Jean, Paris, France. Clutching and speed-changing gear. 2,084,522; June 22.
Cotter, George L., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Self lapping brake valve. 2,084,669; June 22.
Cottrell, Holland D., and A. Clarke, Detroit, Mich. Loose leaf binder. 2,084,724; June 22.
Couture, Herman J., Watertown, Mass. Lawn mower. 2,084,946; June 22.
Coviello, Anthony R., Tulare, Calif. Reversible disk plow. 2,084,629; June 22.
Cowan, Park W., Hollywood, Calif. Perforator for printing presses. 2,084,573; June 22.
Crandall, Merton L., Jackson, Mich. Safetypin. 2,084,480; June 22.
Crane Co. (See Horner, Jason N., assignor.)
Crane, George A., New Rochelle, N. Y. Toy railroad track. 2,084,322; June 22.
Crawford, Harry J., Venice, Calif. Abrasion resistant grounding device. 2,084,523; June 22.
Crawford, John W. C., Ardrossen, Scotland, assignor to Imperial Chemical Industries Limited. Plastic and coating compositions. 2,084,386; June 22.
Crenna, Joseph V. (See Lazar, A., and Crenna.)
Crickmer, Charles S., Dallas, Tex. Packer. 2,084,611; June 22.
Critchley, James V., assignor to Fitz-On Sales Corporation, Worcester, Mass. Producing detachable top lift. 2,084,971; June 22.
Crittenden, Philip L., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid compressor. 2,084,670; June 22.
Crocella, Thomas, New York, N. Y. Apparatus for pressing garments. 2,084,765; June 22.
Cummings, Preston W., assignor to H. D. Colman, Rockford, Ill. Sensitive control instrument. 2,084,574; June 22.
Cuno Engineering Corporation, The. (See Ashton, Philip E., assignor.)
Curcio, Lorenzo, Philadelphia, Pa. Undergarment. 2,084,837; June 22.
Curran, Harry P., Bronx, assignor of one-fourth to N. Lamaina, Corona, N. Y. Antislip device for shoes. 2,084,671; June 22.
Czeija, Oskar, J. Lebzelter, and A. Scherenzel, assignors to "Selenophon" Licht-und Tonbildgesellschaft m. b. H., Vienna, Austria. Apparatus for reproducing sounds recorded on strips. 2,084,947; June 22.
Dillenbach, Walter, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands. Gas-filled discharge tube. 2,084,725; June 22.
Davies, David R., Didsbury, England, assignor to General Electric Company. Metal-clad electrical switch gear. 2,084,893; June 22.

Davis, Elmer M., assignor to Industrial Patents Corporation, Chicago, Ill. Deodorizer. 2,084,894; June 22.

Davis, William Z., Niles, Ohio. Boiler stand. 2,084,481; June 22.

Day, Charles A. Jr., Long Beach, assignor, by mesne assignments, to Richfield Oil Corporation, Los Angeles, Calif. Refining gasoline containing mercaptans. 2,084,575; June 22.

Day, J. H., Company, The. (See Mason, E. S. and Kirchhoff, assignors.)

De Cuir, Leopaul C., Los Angeles, Calif. Elastic protector for shoes. 2,084,948; June 22.

Deguide, Camille, Aisement-Lez-Fosses, assignor to Société de Recherches et d'Applications Chimiques (Sorac), Societe Anonyme, Brussels, Belgium. Treatment of silicate ores and/or the like. 2,084,630; June 22.

DelCamp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Leaf holder device. 2,084,552; June 22.

Del-Mac Shoe Process Corporation. (See Azzara, T. S., and De Luca, assignors.)

Del-Mac Shoe Process Corporation, The. (See Cocozella, Anthony, assignor.)

Del-Mac Shoe Process Corporation, The. (See Quinn, Edward, assignor.)

Del-Mac Shoe Process Corporation, The. (See Sutcliffe, Harry L., assignor.)

De Luca, Tamas. (See Azzara, T. S., and De Luca.)

De Maria, Vincent, Asbury Park, N. J., and I. S. Kiss, New York, N. Y. Reproducing and printing wood grains and the like. 2,084,792; June 22.

Dempsey, Harry A., Lakewood, Ohio. Safety device. 2,084,895; June 22.

Dempsey, Philip W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Liner assembling device. 2,084,672; June 22.

Denison, Archibald C., Glendale, Ohio. Bathroom equipment. 2,084,793; June 22.

Dennis, Charles H., Jackson, Mich., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rake. 2,084,434; June 22.

Deremer, Floyd E., assignor to Oldberg Mfg. Co., Detroit, Mich. Condensate eliminating means for silencers. 2,084,435; June 22.

De Stubner, Emile C., New York, N. Y. Alcohol repellent compositions and the manufacture thereof. 2,084,323; June 22.

Dettwyler, William, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenated anthraquinone compounds. 2,084,970; June 22.

Dewald, Edward A., Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 2,084,324; June 22.

Dickieson, Edward F., Jr., Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation, South Bend, Ind. Clutch operating mechanism. 2,084,387; June 22.

Dieffenbach, Otto W., Baltimore, Md. Drinking and similar tube. 2,084,673; June 22.

Dienner, John A. (See Aikman, Burton S., assignor.)

Dieterle, Walter, Dessau-Ziebigk in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Photographic material. 2,084,436; June 22.

Ditto, Incorporated. (See Houshalter, F. M., and Weisman, assignors.)

Dixon, Paul H., St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and apparatus for treating shoe parts. 2,084,553; June 22.

Dobyne, Stevenson A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Sewing machine. 2,084,838; June 22.

Dobyns, David E., Oklahoma City, Okla. Beverage dispensing mechanism. 2,084,631; June 22.

Dockray, Charles J., and H. J. Dockray, Zanesville, Ohio. Glass mold. 2,084,794; June 22.

Dockray, Harry J. (See Dockray, Charles J. and H. J.)

Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,084,388; June 22.

Doelling, George L., assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid composition. 2,084,482; June 22.

Donlan, Theodore R., Irvington, N. J., assignor to Standard Oil Development Company. Naphtha soluble soap. 2,084,483; June 22.

Donle, Harold P., Meriden, Conn., assignor of one-half to C. H. Braselton, New York, N. Y. System and method for securing third dimensional effects with a single image. 2,084,795; June 22.

Dorrell, Alva L., Chicago, Ill. Piston. 2,084,949; June 22.

Dow Chemical Company, The. (See Britton, E. C., Coleman, and Zemba, assignors.)

Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Horn support. 2,084,674; June 22.

Downing, Frederick B., Carney's Point, and A. F. Benning, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compression of fluorinated hydrocarbons. 2,084,950; June 22.

Dowse, Edmund C., Sherborn, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener secured installation and snap fastener for the same. 2,084,554; June 22.

Drake, John L., and E. A. Rosin, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting machine. 2,084,576; June 22.

Draper Corporation. (See Brown, Carl D., assignor.)

Draper Corporation. (See Budzyna, Walter J., assignor.)

Drew, Charles F., Jr., Dormont, Pa. Distance indicator for telescopes. 2,084,577; June 22.

Dreyfus, Henry, London, England. Production of artificial materials. 2,084,389; June 22.

Dreyfus, Henry, London, England. Manufacture of hydration products of olefines. 2,084,390; June 22.

Drill, Daniel C., Wabash, assignor to American Rock Wool Corporation, Wabash County, Ind. Self-cleaning screen apparatus. 2,084,896; June 22.

Dubois, Eugene F., Freehold, N. J. Producing coffee extract. 2,084,839; June 22.

Du Bose, George, et al. (See Jongeneel, Albert M., assignor.)

Duey, Harold S., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Bubble cap. 2,084,726; June 22.

Duffy, Charles H., Miami, Fla. Sail slide. 2,084,325; June 22.

Dunlap, De Clermont, Newark, N. J. Monorail track support. 2,084,610; June 22.

Dunn, William T., and A. J. Syrovy, assignors to Chrysler Corporation, Detroit, Mich. Motor vehicle power transmission. 2,084,578; June 22.

Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and means for use in lasting moccasins. 2,084,326; June 22.

Du Pont, E. I., de Nemours & Company. (See Alvarado, Alfonso M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Dettwyler, William, assignor.)

Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Benning, assignors.)

Du Pont, E. I., de Nemours & Company. (See Hanson, Warren R., assignor.)

Du Pont, E. I., de Nemours & Company. (See Kuettel, Clen M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Strain, Daniel E., assignor.)

Durand & Huguenin A. G. (See Haller, Josef, assignor.)

Durant Manufacturing Company. (See Hennessy, Mark M., assignor.)

Dur-O-Lite Pencil Company. (See Lynn, John P., assignor.)

Dwight, Russell S., Cincinnati, assignor to The Stearns & Foster Company, Lockland, Ohio. Cotton batting. 2,084,796; June 22.

Dym, Joseph B., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Protective goggle. 2,084,897; June 22.

Earll, Charles I., York, Pa. Trolley base. 2,084,727; June 22.

Eastman Kodak Company. (See Beach, Norman F., assignor.)

Eastman Kodak Company. (See Johnson, J. B., and Cobb, assignors.)

Eastern Tool & Mfg. Co. (See Peterson, Carl E., assignor.)

Eberhardt, Alois, Frankfort-on-the-Main, Germany. Indexing device for data on a circulating band. 2,084,728; June 22.

Eckardt, Rudolf, E. Huth, F. Müller, and R. Rahm, Leipzig, Germany, assignors to National Acme Company, Cleveland, Ohio. Thread chasing mechanism for automatic lathes. 2,084,898; June 22.

Eclipse Aviation Corporation. (See Gartner, John, assignor.)

Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)

Eclipse Aviation Corporation. (See Linder, Francis, assignor.)

Edison, Thomas A., Incorporated. (See von Wedel, Carl J. R. H., assignor.)

Edwards, David F., Elizabeth, and A. M. Wilson, Cranford, N. J., assignor to Standard Oil Development Company. Apparatus for discharging acid from a centrifuge. 2,084,484; June 22.

Edwards, Junius D., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Composite reflector. 2,084,327; June 22.

Edwards, Martin A., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. 2,082,899; June 22.

Edwards, Martin A., and G. A. Kane, Schenectady, N. Y., assignors to General Electric Company. System of electrical distribution. 2,084,900; June 22.

Edwards, Nelson, Baltimore, Md. Photograph album leaf. 2,084,579; June 22.

Eells, Howard P., Jr., Willoughby, and H. N. Barrett, Tiffin, assignors to Non-Metallic Minerals, Inc., Cleveland, Ohio. Glass batch and making. 2,084,328; June 22.

Ehlers, George M., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis. Resistor element. 2,084,840; June 22.

Elde, Edgar S., Los Angeles, Calif. Tent frame construction. 2,084,524; June 22.

Eisenberg, William, Minneapolis, Minn. Putting device. 2,084,901; June 22.

Eisenberg, William, Minneapolis, Minn. Putting device. 2,084,902; June 22.

Electric Storage Battery Company, The. (See Smith, Edward W., assignor.)

Elenbaas, William, assignor to N. V. Philips' Gloeilampenfabrieken, Eidnhoven, Netherlands. Shutter for picture recording or reproducing apparatus. 2,084,525; June 22.

Ellis, Carleton, Montclair, N. J., assignor to Standard-I. G. Company. Hydrogenated naphtha soap gels and making same. 2,084,632; June 22.

Emmons, Joseph V., Shaker Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Nitrided article of manufacture. 2,084,329; June 22.

Engele, Bertha, Okawville, Ill. Electric marcel machine. 2,084,951; June 22.

Engelheart, Alexis C., Memphis, Tenn. Portable electric generator. 2,084,612; June 22.

Erickson, Carl A., Brooklyn, N. Y. Adjustable pliers. 2,084,633; June 22.

Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer. 2,084,766; June 22.

Expanded Metal Company, The. (See Hamilton, Benjamin H. N. H., assignor.)

Fairchild, E. E., Corporation. (See Friedrich, C., and Wareham, assignors.)

Falek, Oskar. (See Wallis, T., and Falek.)

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake valve device. 2,084,675; June 22.

Ferguson Brothers Manufacturing Company. (See Reilly, Sandford T., assignor.)

Ferris, Robert G., assignor to Starline, Inc., Harvard, Ill. Preserving green fodder. 2,084,797; June 22.

Ferry, Joseph D., Harrisburg, Pa. Cooking receptacle. 2,084,729; June 22.

Fidelity Machine Company. (See Larkin, Walter, assignor.)

Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Repairing hollow bodies. 2,084,952; June 22.

Findlater, Stevenson, McKeesport, Pa., assignor to National Tube Company. Seamless pipe or tube mill. 2,084,330; June 22.

Findlater, Stevenson, McKeesport, Pa., assignor to National Tube Company. Seamless pipe or tube mill. 2,084,331; June 22.

Findlater, Stevenson, McKeesport, Pa., assignor to National Tube Company. Apparatus for making tapered tubular workpieces. 2,084,332; June 22.

Findlater, Stevenson, McKeesport, Pa., assignor to National Tube Company. Apparatus for making tapered tubular workpieces. 2,084,333; June 22.

Fink, Lawrence R., assignor to Fink-Roselieve Company, Inc., New York, N. Y. Film wiper. 2,084,485; June 22.

Fink-Roselieve Company. (See Fink, Lawrence R., assignor.)

Firestone Tire & Rubber Company, The. (See Allen, Raymond W., assignor.)

Fischer, Ernst, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Colored rubber products and producing them. 2,084,555; June 22.

Fitch, Ellery R. (See McClure, G. T., and Fitch.)

Fitz-On Sales Corporation. (See Critchley, James V., assignor.)

Flakice Corporation. (See Field, Crosby, assignor.)

Fleischmann, Isidor, Bronx, N. Y. Burglar alarm. 2,084,841; June 22.

Flexible Steel Lacing Company. (See Olsen, John C., assignor.)

Flood Company, The. (See Flood, E. D., and Hannum, assignors.)

Flood, Earl D., and J. A. Hannum, Cleveland Heights, Ohio, assignors to The Flood Company. Preparation of coating composition. 2,084,486; June 22.

Flury, Godfrey, Austin, Tex. Archery device. 2,084,634; June 22.

Foley, Joseph J., Chicago, Ill. Ventilator construction. 2,084,613; June 22.

Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Wheel. 2,084,391; June 22.

Frank, John M., Winnetka, and W. H. Reitz, Ravinia, assignors to Ilg Electric Ventilating Company, Chicago, Ill. Air conditioning device. 2,084,392; June 22.

Frank, William H., Detroit, Mich. Bus bar supporting means in bus duct. 2,084,580; June 22.

Frankenberger, Charles J., Louisville, Ky., assignor to Standard Sanitary Manufacturing Company. Tub or basin fitting. 2,084,437; June 22.

Frankl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Resolution of gaseous mixtures. 2,084,334; June 22.

Fraser, Edwin J., Riverside, assignor to Keeshin Motor Express Co. Inc., Chicago, Ill. Conduit coupler closure means. 2,084,842; June 22.

Freeman, Benjamin W., Cincinnati, Ohio. Ornamenting machine. 2,084,335; June 22.

Friedrich, Charles, and H. P. Wareham, Jr., assignors to E. E. Fairchild Corporation, Rochester, N. Y. Display device. 2,084,635; June 22.

Frink, Frederick W., Schenectady, N. Y., assignor to General Electric Company. Signal system. 2,084,903; June 22.

Friz, Adolf, Stuttgart-Bad Cannstatt, Germany. Machine for the gluing together of the edges of veneer sheets. 2,084,676; June 22.

Fromm, Julius, Berlin-Schlachtensee, Germany. Life or swimming belt. 2,084,636; June 22.

Fuller Company. (See Constantin, Eusebe J. L. F., assignor.)

Fulmer, Giles C., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Bulb holder for flashlights. 2,084,767; June 22.

Gabriel, Frank B., Lake City, Iowa. Chimney corner guide. 2,084,798; June 22.

Gagnier, George E. (See Place, Bion C., assignor.)

Garris, Clark R., Seattle, Wash. Lawn mower sharpener. 2,084,799; June 22.

Garrison, James N., Cleveland, Ohio. Fractionating tower. 2,084,768; June 22.

Gartner, John, New York, N. Y., assignor to Eclipse Aviation Corporation, East Orange, N. J. Indicating and control apparatus. 2,084,800; June 22.

Gasoline Antioxidant Company. (See Rogers, T. H., and Voorhees, assignors.)

Gearhart, Alonzo W., Fresno, Calif. Warm air furnace. 2,084,581; June 22.

Geise, Hermann, Berlin-Karlshorst, Germany, assignor to General Electric Company. Electric system. 2,084,904; June 22.

General Aniline Works, Inc. (See Fischer, Ernst, assignor.)

General Cable Corporation. (See Johnson, Gustave A., assignor.)

General Controls Company. (See Ray, William A., assignor.)

General Electric Company. (See Adams, Joy C., assignor.)

General Electric Company. (See Atchison, Leonard W., assignor.)

General Electric Company. (See Biermanns, Josef., assignor.)

General Electric Company. (See Black, Cadelle H., assignor.)

General Electric Company. (See Davies, David R., assignor.)

General Electric Company. (See Edwards, Martin A., assignor.)

General Electric Company. (See Edwards, M. A., and Kane, assignors.)

General Electric Company. (See Frink, Frederick W., assignor.)

General Electric Company. (See Geise, Hermann, assignor.)

General Electric Company. (See Groot, Robert W., assignor.)

General Electric Company. (See Hill, Charles H., assignor.)

General Electric Company. (See Hoffmann, Bruno, assignor.)

General Electric Company. (See Macaulay, Ernest, assignor.)

General Electric Company. (See Metcalf, George F., assignor.)

General Electric Company. (See Moser, Alexander, assignor.)

General Electric Company. (See Moss, Sanford A., assignor.)

General Electric Company. (See Schmidt, August, Jr., assignor.)

General Electric Company. (See Traver, Oliver C., assignor.)

General Electric Company. (See Uhde, Arthur, assignor.)

General Electric Company. (See Wotring, Gaylord H., assignor.)

General Motors Corporation. (See Gill, Edwin R., Sr., assignor.)

General Motors Corporation. (See Hornaday, James R., assignor.)

General Motors Corporation. (See Hull, Harry B., assignor.)

General Steel Castings Corporation. (See Cease, Robert R., assignor.)

General Steel Castings Corporation. (See Meyer, W. H., and Jackson, assignors.)

General Steel Castings Corporation. (See Michael, L. P. and (Ashe, assignor).)

Geneve, Fernand. (See Rotteé, Pierre, assignor.)

Gerken, Henry A., Brooklyn, assignor to R. E. Ogden, Mountainville, N. Y. Door safety device. 2,084,677; June 22.

Geyger, Wilhelm, Berlin-Schmargendorf, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt near Berlin, Germany. Arrangement for carrying out alternating current measurements with the aid of measuring rectifiers. 2,084,678; June 22.

Ghiselin, Robert S., Chicago, Ill., assignor to New Era Shirt Company, St. Louis, Mo. Detachable advertising device. 2,084,971; June 22.

Gibson, James D., Cleveland, Ohio. Cord holding attachment. 2,084,953; June 22.
Gill, Edwin R. Sr., Yonkers, N. Y., assignor, by mesne assignments, to General Motors Corporation. Refrigerating system. 2,084,730; June 22.
Globe Oil Tools Company. (See Catland, Alfred C., assignor.)
Globe Oil Tools Company. (See Howard, J. H., and Catland, assignors.
Globe Oil Tools Company. (See Wright, Jesse C., assignor.)
Globe-Union Inc. (See Ehlers, George M., assignor.)
Goecke, Rudolph P., Elyria, Ohio, assignor to The Pfaudler Co., Rochester, N. Y. Liquid treating apparatus. 2,084,614; June 22.
Goldman, Joshua H., Boston, Mass. Bonding or plying bodies. 2,084,582; June 22.
Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,084,679; June 22.
Goodwin, Ernest G., Pelham, N. Y., assignor to Graham-White Sander Corporation, Roanoke, Va. Railway snubbing device. 2,084,637; June 22.
Goodwin, Ernest G., Pelham, N. Y., assignor to Graham-White Sander Corporation, Roanoke, Va. Wedge snubbing device. 2,084,638; June 22.
Goss, Norman P., Youngstown, Ohio, assignor, by mesne assignments, to Allegheny Steel Company, Pittsburgh, Pa. Magnetic material and manufacture. 2,084,336; June 22.
Goss, Norman P., Youngstown, Ohio, assignor, by mesne assignments, to Allegheny Steel Company, Pittsburgh, Pa. Rolling magnetic material. 2,084,337; June 22.
Grace, Richard W., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Meter support. 2,084,438; June 22.
Graenz, Alfred, Philadelphia, Pa., assignor to Alfred Hofmann, Inc., West New York, N. Y. Knitting machine. 2,084,905; June 22.
Graham, George H., assignor to Carpenter-Hiatt Sales Company, Chicago, Ill. Liner. 2,084,906; June 22.
Graham-White Sander Corporation. (See Goodwin, Ernest G., assignor.)
Greene, Gerald R. (See Neuman, J. J., and Greene.)
Grenier, Joseph P., assignor to Société Francaise Helita, Paris, France. Luminous plastic substance and its manufacture. 2,084,526; June 22.
Grenquist, Ernst A. (See Andersen, B., and Grenquist.)
Griscom-Russell Company, The. (See Dewald, Edward A., assignor.)
Griswold, Robert G., Westfield, assignor to Power Patents Company, Jersey City, N. J. Gas analyzing process. 2,084,954; June 22.
Grons, Konstantin, Berlin-Charlottenburg, assignor to the firm Simplex-Schiebefenster G. m. b. H., Berlin-Schoneberg, Germany. Sash window. 2,084,639; June 22.
Groot, Robert W., Fort Wayne, Ind., assignor to General Electric Company. Centrifugal switch. 2,084,907; June 22.
Grosswege, John B., Edgewood, and J. Canetta, Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric brake device. 2,084,680; June 22.
Grün, Arnold, Oberesslingen, Germany. Eyeshield for welding devices. 2,084,681; June 22.
Guenot, Maurice P. J., Montreuil, France. Apparatus for incorporating to a stream of fluid under pressure other fluid or powdered bodies. 2,084,682; June 22.
Guernsey, Charles O. (See Browne, A. T., and Guernsey.)
Guertin, Joseph G., Amella, Ohio. Garage door. 2,084,615; June 22.
Guilbert, André V. E. C., Paris, France. Dynamo and dynamo installation. 2,084,527; June 22.
Gulf Research & Development Company. (See Pigott, Reginald J. S., assignor.)
Gyr, Joseph, and O. Kaiser, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs. 2,084,731; June 22.
Haines, Frank B., et al. (See Jongeneel, Albert M., assignor.)
Haines Hosiery Mills, Inc. (See Haines, Joseph, Jr., assignor.)
Haines, Joseph, Jr., Meadowbrook, assignor to Haines Hosiery Mills, Inc., Philadelphia, Pa. Flat knitting machine. 2,084,732; June 22.
Hall, Iphus H., Winnipeg, Manitoba, Canada. Preparing custard filling. 2,084,640; June 22.
Hall, Peter P-G., assignor to The Hall Planetary Company, Philadelphia, Pa. Machine tool spindle and arbor. 2,084,801; June 22.
Hall Planetary Company, The. (See Hall, Peter P-G., assignor.)
Haller, Josef, Leverkusen-Wiesdorf, Germany, assignor to Durand & Huguenin A. G., Basel, Switzerland. Preparing dyestuffs of the anthracene series. 2,084,641; June 22.
Hamblin, Clyde M., Washington, D. C. Waterproof ventilator. 2,084,338; June 22.
Hamer, Leland S., Long Beach, Calif. Piston and piston rod assembly. 2,084,439; June 22.
Hamilton, Benjamin H. N. H., West Hartlepool, assignor to The Expanded Metal Company, Limited, London, England. Electrical resistance and heater element. 2,084,556; June 22.
Hamilton, Donald G. (See Hamilton, Thomas J. and D. G., and Wood.)
Hamilton, Thomas J., Annapolis, Md., D. G. Hamilton, Sewickley, and C. W. Wood, Bellevue, Pa. Football game. 2,084,802; June 22.
Hammermill Paper Company. (See Price, Richard P., assignor.)
Hanley, Keenan, and L. Bennett, Prospect, assignors to Roscoe C. Iddings, Dayton, Ohio. Fire extinguisher. 2,084,339; June 22.
Hannum, John A. (See Flood, E. D., and Hannum.)
Hansen-Van Winkle-Munning Company. (See Jespersen, Holger B., assignor.)
Hanson, Warren R., Arlington, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of resins. 2,084,393; June 22.
Haraldson, Olaf, Minot, N. Dak. Recovering gold. 2,084,487; June 22.
Harris, Albert T., assignor to A. T. Harris Holding Corporation, New York, N. Y. Power transmission device. 2,084,843; June 22.
Harris, Albert T., assignor to A. T. Harris Holding Corporation, New York, N. Y. Power transmission device. 2,084,844; June 22.
Harris, A. T., Holding Corporation. (See Harris, Albert T., assignor.)
Harris, Ena A. (See Harris, Walter and E. A.)
Harris Products Company. (See Bradley, Dan T., assignor.)
Harris, Walter and E. A., Conneaut, Ohio. Dry sterilizer. 2,084,908; June 22.
Hart, Henry J., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,084,803; June 22.
Hartsough, Ralph B., Los Angeles, Calif. Carburetor for internal combustion engines. 2,084,340; June 22.
Haught, Thomas E., Boldman, Ky. Fluid strainer. 2,084,955; June 22.
Hazeltine Corporation. (See MacDonald, William A., assignor.)
Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat fitting machine. 2,084,557; June 22.
Heberlein, Max F. W., Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Refining metals. 2,084,394; June 22.
Heidbrink Company, The. (See Henion, Walter R., assignor.)
Heinis, Hugo, Geneva, Switzerland. Training apparatus. 2,084,440; June 22.
Heller, Herbert J., assignor to H. Weiss & Company, New York, N. Y. Edge-turning machine. 2,084,395; June 22.
Heller, Herbert J., New York, N. Y. Cutting machine. 2,084,488; June 22.
Hemphill Company. (See Lawson, R. H., and Smith, assignors.)
Henderson, Charles L., Appleton, assignor to Paper Patents Company, Neenah, Wis. Apparatus for coating printing cylinders. 2,084,642; June 22.
Henion, Walter R., assignor to The Heidbrink Company, Minneapolis, Minn. Anesthetizing apparatus. 2,084,804; June 22.
Hennessy, Mark M., assignor to Durant Manufacturing Company, Milwaukee, Wis. Counter drive mechanism. 2,084,396; June 22.
Hercules Powder Company. (See Spurlin, Harold M., assignor.)
Herriger, Felix. (See Prinz, D., and Herriger.)
Hess, Harry W., Huntington Park, Calif. Carbureter. 2,084,489; June 22.
Hessel, Karl, Berlin-Lichtenrade, Germany. Preserving preliminarily dried fruit. 2,084,956; June 22.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston ring testing device. 2,084,683; June 22.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control valve. 2,084,684; June 22.
Hildebrandt, William, Hammond, Inc., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Control valve. 2,084,397; June 22.
Hill, Charles H., Drexel Hill, Pa., assignor to General Electric Company. Electric switch gear. 2,084,910; June 22.
Hoffman, Harry A. (See Bender, H. L., and Hoffman.)
Hoffmann, Bruno, Berlin, Germany, assignor to General Electric Company. Packing arrangement. 2,084,909; June 22.
Hofmann, Alfred, Inc. (See Graenz, Alfred, assignor.)
Hogner, Pierre R. L., assignor to Aluminum Company of America, Pittsburgh, Pa. Printing plate. 2,084,685; June 22.
Holford, Hastings J., Southampton, England. Distillation of carbonaceous material. 2,084,491; June 22.
Holmes, Edward L., Ilford, assignor of one-third to A. J. Hughes, Essex, and one-third to H. Hughes & Son, Limited, London, England. Echo sounding apparatus. 2,084,845; June 22.
Holmes, George A., Newton Center, assignor to United Carr Fastener Corporation, Cambridge, Mass. Turn-button fastener. 2,084,558; June 22.
Hommel, O., Company, The. (See Rosenberg, Jacob E., assignor.)

Hooper, James E., Ruxton, assignor to William E. Hooper and Sons Company, Woodberry, Md. Drier felt. 2,084,490; June 22.
Hooper, William E., and Sons Company. (See Hooper, James E., assignor.)
Horlacher, Carl P. (See Baumann, A., and Horlacher.)
Hornaday, James R., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,084,341; June 22.
Horner, Jason N., Los Angeles, Calif., assignor to Crane Co., Chicago, Ill. Wrench. 2,084,805; June 22.
Houdry Process Corporation. (See Prickett, Thomas B., assignor.)
Houghton, Willard F., Swarthmore, assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbon oils. 2,084,342; June 22.
Houser, Orrie E., assignor of one-third to A. R. Rochte, Park Ridge, Ill. Bag cleaning or emptying device. 2,084,492; June 22.
Houshalter, Fred M., and F. O. Weisman, Milwaukee, Wis., assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 2,084,583; June 22.
Howard, Frank L., Arcadia, Calif. Sample taking machine. 2,084,686; June 22.
Howard, John H., Huntington Park, and A. C. Catland, Alhambra, assignors to Globe Oil Tools Company, Los Nietos, Calif. Making a cutting tool. 2,084,441; June 22.
Howard, John H., Huntington Park, and A. C. Catland, Alhambra, assignors to Globe Oil Tools Company, Los Nietos, Calif. Rotary disk bit. 2,084,442; June 22.
Hubenet, Will W., Detroit, Mich. Manufacture of hams. 2,084,806; June 22.
Huber, Otto E. (See Busch, C. J., and Huber.)
Hueglin, Herman C., assignor to Airmaster Corporation, Chicago, Ill. Ventilator. 2,084,807; June 22.
Huflaker, Lillian Y., Los Angeles, Calif. Time controlled program selector for radio sets. 2,084,443; June 22.
Hughes, Arthur J., et al. (See Holmes, Edward L., assignor.)
Hughes, Henry, & Son, Limited, et al. (See Holmes, Edward L., assignor.)
Hulbert, Reed O., Ashtabula, Ohio. Creeper. 2,084,957; June 22.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,084,494; June 22.
Hunn, Edward B., Cranford, N. J., assignor to Stanco Inc. Container-duster for insecticide powder. 2,084,493; June 22.
Hunter, James F., New Rochelle, N. Y. Liquid separation method and apparatus. 2,084,958; June 22.
Hutchison, Miller R., Jr., Madison, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y. Rotary pump, compressor, engine, and the like. 2,084,846; June 22.
Huth, Erich. (See Eckardt, R., Huth, Müller, and Rahm.)
Hyde, William C., assignor to Royal Revues, Inc., Hollywood, Calif. Sound and picture reproducing apparatus for advertising purposes. 2,084,808; June 22.
Hygrade Sylvania Corporation. (See Krahl, Walter L., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Otto, M., and Mueller-Cunradi, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wallis, T., and Falck, assignors.)
Iddings, Roscoe C. (See Hanley, K., and Bennett, assignors.)
Ilg Electric Ventilating Company. (See Frank, J. M., and Reitz, assignors.)
Imperial Chemical Industries Limited. (See Crawford, John W. C., assignor.)
Industrial Patents Corporation. (See Davis, Elmer M., assignor.)
Industrial Patents Corporation. (See McKee, H. H., and Muir, assignors.)
Industrial Patents Corporation. (See Paddock, Levi S., assignor.)
Industrial Patents Corporation. (See Walter, Charles T., assignor.)
Industrial Patents Corporation. (See Zumwalt, Charles P., assignor.)
Ingersoll-Rand Company. (See Smith, William A., Sr., assignor.)
International Business Machines Corporation. (See Lake, Clair D., assignor.)
International Door Company. (See Shields, John W., assignor.)
International Glow Lamp Corporation. (See Kayatt, Philip J., assignor.)
Iowa State College of Agriculture and Mechanical Arts. (See Sweeney, Orland R., assignor.)
Irvin, Robert R. (See Lutz, S., and Irvin.)
Irving, John S., Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,084,972; June 22.
Jackson, Edwin C. (See Meyer, W. H., and Jackson.)
Jackson & Moreland et al. (See Booth, R. D., Coffin, and Tirges, assignors.)
Jacobs, Rex C., Detroit, Mich. Glare shield bracket. 2,084,584; June 22.
Jaeger Watch Company, Inc. (See Sears, George B., assignor.)
Jefferis, Alice, Washington, D. C. Cigarette holder. 2,084,343; June 22.
Jencick, Stephen, Chagrin Falls, assignor to Thompson Products, Inc., Cleveland, Ohio. Automobile chassis. 2,084,809; June 22.
Jesnig, Charles J., assignor to Positive Seal Closure Company, Philadelphia, Pa. Bottle closure. 2,084,344; June 22.
Jespersen, Holger B., Mountain Lakes, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Composition for use in hydrogenating and method of preparing and utilizing same. 2,084,687; June 22.
Jessop, William E., Toronto, Ontario, Canada. Valve grinder. 2,084,959; June 22.
Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Tuft setting anchor and apparatus for forming and applying the same. 2,084,345; June 22.
John, Robert, New York, N. Y. Receptacle for liquids. 2,084,973; June 22.
Johns-Manville Corporation. (See Miller, Lewis B., assignor.)
Johnson, Gustave A., Irvington, N. J., assignor to General Cable Corporation, New York, N. Y. Flexible armored electric cable. 2,084,616; June 22.
Johnson, John J., Dallas, Tex. Lamp mounting for photocopy machines. 2,084,643; June 22.
Johnson, Joseph B., and L. L. Cobb, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for applying lubricants to yarn. 2,084,960; June 22.
Johnson Matthey & Comany Limited. (See Turner, Harold, assignor.)
Johnson, Raymond E., Worcester, Mass. Combined distiller and filter. 2,084,688; June 22.
Jones, Early D., Columbus, assignor to Bibb Manufacturing Company, Macon, Ga. Electrical stop motion for roving frames. 2,084,810; June 22.
Jones, Walter L., Arlington, assignor to United Carr Fastener Corporation, Cambridge, Mass. Snap fastener member. 2,084,559; June 22.
Jones, Willis H., Kenmore, N. Y. Water filter system. 2,084,346; June 22.
Jongeneel, Albert M., Walnut Grove, assignor of twenty per cent to G. P. du Bose, Stockton, and forty per cent to F. B. Haines, Isleton, Calif. Beet topper. 2,084,398; June 22.
Kahlif, William T., Elyria, Ohio. Garage door opener. 2,084,733; June 22.
Kaiser, Otto. (See Gyr, J., and Kaiser.)
Kaletay, Joseph F., Readville, N. J. Window screen construction. 2,084,847; June 22.
Kambli, Eduard. (See Stöcklin, E., and Kambli.)
Kambli, Eduard, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of isatin-a-halides halogenated in the nucleus. 2,084,528; June 22.
Kane, Garold A. (See Edwards, M. A., and Kane.)
Karl, Heinrich, Jersey City, N. J. Nipple protector. 2,084,689; June 22.
Katz and Halter. (See Katz, Jack, assignor.)
Katz, Jack, assignor to Katz and Halter, Dover, N. J. Hard twist spinning machine. 2,084,975; June 22.
Kauffeldt, Alfons, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Seal for electron discharge devices. 2,084,913; June 22.
Kaufman, Gus, Beacon, assignor to The Texas Company, New York, N. Y. Grease manufacture. 2,084,974; June 22.
Kayatt, Philip J., Yonkers, assignor to International Glow Lamp Corporation, New York, N. Y. Glow lamp electrode and manufacture. 2,084,911; June 22.
Keefe, Lincoln M., Springfield, Mass. Automatic perforating machine. 2,084,347; June 22.
Keen, Alexis W., Passaic, N. J., assignor to United States Rubber Products, Inc., New York, N. Y. Making glass nozzles. 2,084,811; June 22.
Keeshin Motor Express Co. Inc. (See Fraser, Edwin J., assignor.)
Kehl, Floyd V., Indianapolis, Ind. Off-center switch hook. 2,084,617; June 22.
Keith, Clinton G., Yakima, Wash. Automatic sprinkler. 2,084,585; June 22.
Kelsey Hayes Wheel Company. (See Lejeune, Frank H., assignor.)
Kennedy, Harry E. (See Walker, B., and Kennedy.)
Kilbourne-Sauer Company. (See Sauer, Henry J., assignor.)
Kimball, Marston H. (See Sorber, D. G., and Kimball.)
Kinsley, Jason D., Cedar Rapids, Iowa. Abrasive compound and utilizing same. 2,084,644; June 22.
Kirchhoff, William G. (See Mason, E. S., and Kirchhoff.)
Kiss, Irma S. (See De Maria, Vincent, assignor.)
Kitson Company. (See Paige, Fred O., Jr., assignor.)
Klep, Martin, Nyack City, N. Y. Game box. 2,084,912; June 22.
Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)
Kliewer, Edward A., Longview, Tex. Well pump. 2,084,645; June 22.
Knapp, John F., Oakland, Calif., assignor to American Tractor Equipment Corporation. Earth mover. 2,084,690; June 22.
Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon soles. 2,084,348; June 22.

Kochs, Theo. A., Company. (See Schwarzkopf, Arthur R., assignor.)
Konger, Paul R., et al. (See Magnus, Everett L., assignor.)
Kosian, Arthur, Chicago, Ill. Oil pump. 2,084,444; June 22.
Kottmann, August, Sommerda, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf, Germany. Combined calculating and typewriting machine. 2,084,445; June 22.
Krahl, Walter L., Swampscott, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge device. 2,084,734; June 22.
Krakau, Harry T., deceased, Cleveland, Ohio; The Cleveland Trust Company, administrator. Foot appliance. 2,084,735; June 22.
Knettel, Glen M., Roselle, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization process. 2,084,399; June 22.
Küppenbender, Heinz, Dresden-A, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photoelectric exposure meter. 2,084,618; June 22.
Küppenbender, Heinz, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photoelectric exposure meter. 2,084,769; June 22.
La Brie, Ludger E., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,084,400; June 22.
La Brie, Ludger E., Detroit, Mich., and A. Rosner, Rockton, Ill., assignors to Bendix Brake Company, South Bend, Ind. Brake. 2,084,401; June 22.
Laise, Clemens A., Tenafly, N. J. Making wear resisting materials. 2,084,349; June 22.
Lake, Clair D., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Accumulating device. 2,084,360; June 22.
Lamaina, Nicholas. (See Curran, Harry P., assignor.)
Land, Edwin H., Wellesley Farms, Mass., assignor to Land-Wheelwright, Inc., Union City, N. J. Stereoscopic viewer. 2,084,350; June 22.
Land-Wheelwright, Inc. (See Land, Edwin H., assignor.)
Landau, Joseph N., New York, N. Y. Container cap. 2,084,529; June 22.
Landis & Gyr, A.-G. (See Pudelko, Riccard, assignor.)
Lange, Robert S., Invercargill, New Zealand. Gas producer. 2,084,530; June 22.
Langlois, Earl H., Detroit, Mich. Horseshoe. 2,084,812; June 22.
Lansing, Raymond P., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,084,843; June 22.
Larkin, Walter, Norristown, assignor to Fidelity Machine Company, Philadelphia, Pa. Knitted strand covering machine. 2,084,770; June 22.
Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Sorting machine. 2,084,850; June 22.
Lasker, William W., Jr., Brooklyn, N. Y. Statistical card. 2,084,848; June 22.
Lasker, William W., Jr., Brooklyn, N. Y. Conductive ink and tabulator system. 2,084,849; June 22.
Lawson, Robert H., and W. L. Smith, Jr., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Rib fabric, method of and mechanism for knitting the same. 2,084,944; June 22.
Lazar, Arthur, Associated, and J. V. Crenna, Concord, assignors to Associated Oil Company, San Francisco, Calif. Steam cylinder oil and preparing the same. 2,084,531; June 22.
Lazar, Arthur, Associated, and J. V. Crenna, Concord, assignors to Associated Oil Company, San Francisco, Calif. Preparing steam cylinder oil. 2,084,532; June 22.
Lebre, Albert E., Paris, France. Process of and apparatus for performing thermal conversions. 2,084,691; June 22.
Lebzelter, Josef. (See Czeija, O., Lebzelter, and Scherenzel.)
Leishman, Le Roy J., Los Angeles, Calif. Turning rotatable objects to predetermined positions. 2,084,851; June 22.
Leitch, Fred E., East Cleveland, Ohio. Sign. 2,084,915; June 22.
Leitz, Ernst, G. m. b. H. (See Becker, Helmut, assignor.)
Lejeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming brake drums. 2,084,814; June 22.
Lerner, Friedrich, Vienna, Austria. Machine for packing zig-zag interfolded paper leaves in cardboard covers. 2,084,533; June 22.
Lever Brothers Company. (See Andersen, Carl N., assignor.)
Levitt, A. B., et al. (See Chernof, Joseph, assignor.)
Libbey-Owens-Ford Glass Company. (See Drake, J. L. and Rosin, assignors.)
Liberthson, Leo, New York, N. Y., assignor, by mesne assignments, to Standard Oil Development Company. Lubricating oil. 2,084,352; June 22.
Lindell, Sigurd L., assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse. 2,084,495; June 22.
Linder, Francis, Paris, France, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Driving mechanism. 2,084,815; June 22.
Linsell, Alfred A., London, England, assignor to Radio Corporation of America. Radio tuning arrangement. 2,084,586; June 22.
Little, Robert P., Santa Paula, Calif. Therapeutic device. 2,084,692; June 22.
Littlefield, William M., assignor to The Sidney Elevator Company, Sidney, Ohio. Highway sign and marker bracket. 2,084,816; June 22.
Lochman, George H., Winchester, Mass. Bathtub. 2,084,852; June 22.
Locke Insulator Corporation. (See Plimpton, Bentley A., assignor.)
Lockwood, Henry C., Brooklyn, N. Y. Bellows. 2,084,496; June 22.
Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train brake equipment. 2,084,693; June 22.
Lombard, Huel B., Brookings, S. Dak. Lawn sprinkler. 2,084,817; June 22.
Lorenz, C., Aktiengesellschaft. (See Seidelbach, Rudolf, assignor.)
Lorenz, Henry W. F., Jersey City, N. J., assignor of forty per cent to C. H. Wilson, New York, N. Y. Manufacturing soap and glycerine. 2,084,446; June 22.
Love, Edgar A., Darlington, Ind. Fence guard. 2,084,619; June 22.
Low, Theodore H. (See Schaefer, Ferdinand A., assignor.)
Lowe, Russell E. (See Morgan, J. D., and Lowe.)
Lubberhuizen, Jan W., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Treatment of artificial silk. 2,084,916; June 22.
Luce, Grafton E., Brazil, Ind. Filter bed drainage conduit. 2,084,351; June 22.
Lutz, Sebastian, and R. R. Irvin, Bloomfield, assignors to National Grain Yeast Corporation, Belleville, N. J. Producing yeast. 2,084,736; June 22.
Lynn, John P., Sycamore, assignor to Dur-O-Lite Pencil Company, Melrose Park, Ill. Pencil. 2,084,646; June 22.
Macaulay, Ernest, Trumbull, Conn., assignor to General Electric Company. Display device. 2,084,855; June 22.
MacDonald, Alexander. (See Unruh, Albert E., assignor.)
MacDonald, William A., Little Neck, N. Y., assignor to Hazeltine Corporation. Automatic frequency control. 2,084,647; June 22.
MacMillan, Abram, Chicago, Ill. Steel floor construction. 2,084,648; June 22.
MacMillan, Abram, Chicago, Ill. Steel floor and column construction. 2,084,649; June 22.
Magnus, Everett L., assignor of two-thirds to W. J. Neumann and P. R. Konger, Chicago, Ill. Reamer. 2,084,737; June 22.
Maguire, Hugh J. (See Barnard, E. A., and Maguire.)
Maitland, Frank K., Hermosa Beach, Calif., assignor to Fred C. McClellan, Chicago, Ill. Game apparatus. 2,084,497; June 22.
Mairi, Guido, Aldwych, London, assignor to Mairi Mairi, Guido, Aldwych, London, England. Production of solid carbon dioxide. 2,084,402; June 22.
Mairi, Guido, Aldwych, London, assignor to Mairi Mairi, Guido, Aldwych, London, England. Production of solid carbon dioxide. 2,084,403; June 22.
Mairi Refrigeration Patents Limited. (See Mairi, Guido, assignor.)
Manker, Roy J., Detroit, Mich. Novelty tie clasp. 2,084,738; June 22.
Mann, Paul L., assignor to Consolidated Wire and Associated Corporations, Chicago, Ill. Automobile radio antenna. 2,084,771; June 22.
Marden, John W., East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Sodium vapor lamp. 2,084,772; June 22.
Marihart, Leo A., Mountain View, Calif. Ashtray. 2,084,650; June 22.
Marks, Herbert E., Sewickley, Pa. Floor and ceiling support. 2,084,853; June 22.
Martin, Harry C., Niagara Falls, N. Y., and F. A. Upper, Niagara Falls, Ontario, Canada, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Abrasive article. 2,084,534; June 22.
Martin, James V., Garden City, N. Y. Aerodynamic auto. 2,084,694; June 22.
Mason, Erwin S., Norwood, and W. G. Kirchhoff, assignors to The J. H. Day Company, Cincinnati, Ohio. Dough mixer construction. 2,084,773; June 22.
Matejcik, Vincent, assignor to Blizzard Manufacturing Company, Canton, Ohio. Fodder cutter and accumulating roll therefor. 2,084,447; June 22.
Mayer, Arthur, et al. (See Chernof, Joseph, assignor.)
Mayo, Dana H. N., Ridgewood, assignor to The Babcock & Wilcox Company, Newark, N. J. Steam boiler furnace. 2,084,739; June 22.
McCarthy, Ellen, New York, N. Y. Clothes drier. 2,084,854; June 22.
McClellan, Fred C. (See Maitland, Frank K., assignor.)
McClure, Glenn T., McKeesport, and E. R. Fitch, Irwin, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,084,695; June 22.
McCluskey, Sibley B., London, England. Recovery of sulphur from sulphide ores. 2,084,697; June 22.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,084,696; June 22.
McFarlin, William K., East Orange, N. J. Strainer. 2,084,587; June 22.
McKee, Harry H., Chicago, Ill., and K. Muir, Baltimore, Md., assignors to Industrial Patents Corporation, Chicago, Ill. Dehairing hogs. 2,084,856; June 22.
McKee, Harry H., Chicago, Ill., and K. Muir, Baltimore, Md., assignors to Industrial Patents Corporation, Chicago, Ill. Dehairing method. 2,084,857; June 22.
McKesson, Lewis J., Port Jefferson, N. Y., assignor to Radio Corporation of America. Filter circuit. 2,084,740; June 22.
McMillan, Walter L. (See Visscher, M. M., and McMillan.)
McNett, James G., St. Louis, Mo. Printing multicolored pictures. 2,084,353; June 22.
Mecklenberg, Werner, Neuenkirchen auf Rugen, Pommern, Germany, and A. Wurbs, Bokan, Czechoslovakia. Preparation of hyposulfites. 2,084,651; June 22.
Menzies, Harry J. (See Conley, E. J., and Menzies.)
Merchant, Dale, Elkhart, Ind. Child's high chair. 2,084,448; June 22.
Metcalf, George F., Schenectady, N. Y., assignor to General Electric Company. Metal radio tube. 2,084,858; June 22.
Meyer, John F. (See Radtke, Bruno, assignor.)
Meyer, William H., and E. C. Jackson, St. Louis, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Railway car underframe. 2,084,859; June 22.
Michael, Loren P., Elmhurst, and W. O. Ashe, St. Louis, Mo.; said Ashe assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 2,084,860; June 22.
Michael, Loren P., Elmhurst, and W. O. Ashe, St. Louis, Mo.; said Ashe assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive construction. 2,084,861; June 22.
Millard, Earl B., Newton, Mass., assignor to Bendix Products Corporation, South Bend, Ind. Brake fluid. 2,084,404; June 22.
Miller, Lewis B., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Magnesia insulation and method of making same. 2,084,588; June 22.
Miller, Philip M., Brooklyn, N. Y., assignor to Bendix Products Corporation, South Bend, Ind. Automobile vehicle. 2,084,405; June 22.
Mine Safety Appliances Company. (See Dym, Joseph B., assignor.)
Moll, Edwin, Portland, Oreg. Double hung window sash and frame construction. 2,084,620; June 22.
Mollet, Léon, assignor to Société Anonyme Des Usines Chausson, Asnieres, France. Connecting device. 2,084,698; June 22.
Moore, Hall G. (See Brannon, R. D., and Moore.)
Morbelli, Giovanni, Milan, Italy, assignor to F. O. Anderegg, Forest Hills Boro, Pa. Making asbestos cement products. 2,084,354; June 22.
Morgan, Guy, New York, N. Y. Vehicle drive. 2,084,406; June 22.
Morgan, John D., South Orange, N. J., and R. E. Lowe, New York, N. Y., assignors to Power Patents Company, Jersey City, N. J. Electric hot plate. 2,084,819; June 22.
Moseley, Harry W. (See Poole, H. C., and Moseley.)
Moser, Alexander, Berlin-Reinickendorf-Ost, Germany, assignor to General Electric Company. Flange coupling arrangement. 2,084,862; June 22.
Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Supercharger. 2,084,863; June 22.
Mudon, Thomas J., assignor to Circo Products Corporation, Chicago, Ill. Sign flashing device. 2,084,407; June 22.
Mueller-Cunradi, Martin. (See Otto, M., and Mueller-Cunradi.)
Mueller, Moritz L., Seattle, Wash. Air conditioning and heat economizing assembly. 2,084,408; June 22.
Muir, Keith. (See McKee, H. H., and Muir.)
Müller, Fritz. (See Eckardt, R., Huth, Müller, and Rahm.)
Müller, Theodor, Winterthur, and H. Wiederkehr, Zurich-Hongg, assignors to the firm Schweizerische Lokomotiv- & Maschinenfabrik, Winterthur, Switzerland. Diesel-motor driven rail-guided vehicle. 2,084,774; June 22.
Multicycol Pump & Engine Corporation. (See Hutchison, Miller R., Jr., assignor.)
N. V. Machinerieen en Apparaten Fabrieken "Meaf". (See Dällenbach, Walter, assignor.)
N. V. Phillips' Gloeilampenfabrieken. (See Elenbaas, Willem, assignor.)
N. V. Phillips' Gloeilampenfabrieken. (See Penning, F. M., and Teves, assignors.)
Narrow Fabric Company, The. (See Busch, C. J., and Huber, assignors.)
National Acme Company. (See Eckardt, R., Huth, Müller, and Rahm, assignors.)
National Automatic Tool Company, The. (See Schafer, Robert A., assignor.)
National Glove Company, The. (See Bush, Lester C., assignor.)
National Grain Yeast Corporation. (See Lutz, S., and Irvin, assignors.)
National Heating and Engineering Co. (See Oakleaf, Howard B., assignor.)
National Lead Company. (See Nelson, Walter K., assignor.)
National Lead Company. (See Ryan, L. W., and Cauwenberg, assignors.)
National Metal Edge Box Company. (See Wolf, Elias, assignor.)
National Pectin Products Company. (See Beck, Adolph J., assignor.)
National Stamping & Electric Works. (See Stocker, Frederick, assignor.)
National Tube Company. (See Findlater, Stevenson, assignor.)
Neese, Walter R., Max Meadows, Va. Power shovel. 2,084,449; June 22.
Neil, Joe R., Sacramento, Calif. Billboard. 2,084,818; June 22.
Nelson, Walter K., Brooklyn, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Preparing titanium dioxide pigments. 2,084,917; June 22.
Nelson, Walter K., Metuchen, N. J., assignor, by mesne assignments, to National Lead Company, New York, N. Y. Alcoholic suspension of titanium pigments. 2,084,918; June 22.
Neuman, Jacob J., South Salem, and G. R. Greene, Jackson Heights, N. Y. Bag turning machine. 2,084,498; June 22.
Neumann, William J., et al. (See Magnus, Everett L., assignor.)
New Era Shirt Company. (See Ghiselin, Robert S., assignor.)
Newman, Victor, Philadelphia, Pa. Slide fastener. 2,084,499; June 22.
Non-Metallic Minerals, Inc. (See Eells, H. P., Jr., and Barrett, assignors.)
Norris, Edward O., Greenwich, Conn., assignor to The Norris Painting Machinery Corporation, Inc., New York, N. Y. Spraying device. 2,084,621; June 22.
Norris Painting Machinery Corporation, The. (See Norris, Edward O., assignor.)
North, William C., Sebring, Fla. Ridge cap for roofing. 2,084,699; June 22.
Norton, Bertram, Claverley, England. Oscillating table coal breaker. 2,084,622; June 22.
Oakleaf, Howard B., assignor to National Heating and Engineering Co., San Diego, Calif. Home heating method. 2,084,535; June 22.
Odgers, Ernest B., Wildwood, N. J. Scraper. 2,084,589; June 22.
Ogden, Ralph E. (See Gerken, Henry A., assignor.)
Ogden, Ralph E. (See Tomkinson, Charles C., assignor.)
Ogloblinsky, Gregory N., Collingswood, N. J., assignor to Radio Corporation of America, New York, N. Y. Television system. 2,084,700; June 22.
Oldberg Mfg. Co. (See Deremer, Floyd E., assignor.)
O'Leary, William J., Dayton, Ohio. Electric motor. 2,084,590; June 22.
Oliver United Filters Incorporated. (See Watson, L. W., and Ackerly, assignors.)
Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Belt and fastener. 2,084,536; June 22.
Orefice, Herbert E., Hartford, Conn. Baseball base. 2,084,775; June 22.
Otto, Michael, and M. Mueller-Cunradi, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of solid greases. 2,084,500; June 22.
Otto, Michael, and M. Mueller-Cunradi, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Valuable hydrocarbon products. 2,084,501; June 22.
Owen, Eugene A., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Strainer device. 2,084,652; June 22.
Paddock, Levi S., assignor to Industrial Patents Corporation, Chicago, Ill. Meat curing method. 2,084,864; June 22.
Paige, Fred O., Jr., Hammond, Ind., assignor to Kitson Company, Philadelphia, Pa. Fastening and detecting means for valves and the like. 2,084,963; June 22.
Paige, Richard E., Flushing, N. Y. Display device. 2,084,820; June 22.
Paper Patents Company. (See Henderson, Charles L., assignor.)
Pardoe, Avern, assignor to E. H. Pardoe, Toronto, Ontario, Canada. Grip for golf clubs. 2,084,591; June 22.
Pardoe, Edna H. (See Pardoe, Avern, assignor.)
Paris, Robert E., New York, N. Y. Line justification. 2,084,450; June 22.
Puteras Pescara, Raul, Paris, France. Auto-compressor. 2,084,822; June 22.
Puteras Pescara, Raul, Paris, France. Motor compressor. 2,084,823; June 22.
Paternayan, Harry M., New York, N. Y. Rug and carpet binding sewing machine. 2,084,821; June 22.
Patterson, Herbert F., assignor to Chrysler Corporation, Detroit, Mich. Motor vehicle power transmission. 2,084,592; June 22.

Paul, Jack, Philo, Ohio. Amusement device. 2,084,701; June 22.

Peninsular Grinding Wheel Co. (See Beebe, Alan P., assignor.)

Penning, Frans M., and M. C. Teves, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Light sensitive electron discharge device. 2,084,865; June 22.

Peremi, Edmund, and L. Toth, Manhasset, N. Y. Window construction. 2,084,355; June 22.

Peremi, Edmund, and L. Toth, Manhassett, N. Y. Window. 2,084,776; June 22.

Perfect Circle Company, The. (See Teetor, Ralph R., assignor.)

Perkins, Henry G., assignor to Purity Paper Vessels Company, Baltimore, Md. Process and appaartus for securing reenforcing collars to paper containers. 2,084,451; June 22.

Pestalozza, Ugo, assignor to Società Italiana Pirelli, Milan, Italy. Making extruded rubber articles from aqueous dispersions of rubber. 2,084,702; June 22.

Peterson, Carl E., Upper Montclair, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Paper retainer for trays. 2,084,409; June 22.

Pfaudler Co., The. (See Goecke, Rudolph F., assignor.)

Philrand, Inc. (See Rand, James H., assignor.)

Phoenix Toilet & Paper Mfg. Co. Inc. (See Slade, Harold W., assignor.)

Pickens, Waunetta, Los Angeles, Calif. Corset stay and corset closure. 2,084,593; June 22.

Pigott, Reginald J. S., assignor, by mesne assignments, to Gulf Research & Development Company, Pittsburgh, Pa. Fluid pressure gauge. 2,084,623; June 22.

Pinaud, John A., Atlantic Highlands, N. J. Variable speed transmission device. 2,084,703; June 22.

Piper, Carl E., Oakland, Calif. Turbine. 2,084,594; June 22.

Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Fastener. 2,084,624; June 22.

Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America. Treating fabric and product thereof. 2,084,410; June 22.

Plimpton, Bentley A., Victor, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md. High voltage insulator. 2,084,866; June 22.

Poggensee, Edward B., Chicago, Ill. Carpet sweeper. 2,084,777; June 22.

Pohl, Edwin L., Oshkosh, Wis. Device for washing cooking utensils, dishes, and the like. 2,084,704; June 22.

Polensky und Zöllner. (See von der Ohe, Werner, assignor.)

Poole, Howard C., Newton Falls, and H. W. Moseley, Warren, Ohio, said Moseley assignor of one-fourth to said Poole. Strip doubler for strip mills. 2,084,705; June 22.

Positive Seal Closure Company. (See Jesnig, Charles J., assignor.)

Power Patents Company. (See Griswold, Robert G., assignor.)

Power Patents Company. (See Morgan, J. D., and Lowe, assignors.)

Powers, David W., et al. (See Powers, Frank M., assignor.)

Powers, Frank M., assignor of one-third to T. C. Powers, and one-third to D. W. Powers, Chicago, Ill. Tent. 2,084,778; June 22.

Powers, Thomas C., et al. (See Powers, Frank M., assignor.)

Prescott, Ford L., Dayton, Ohio. Adjusting means. 2,084,356; June 22.

Prescott, Harold R., and K. C. Woodyard, assignors to Continental Oil Company, Ponca City, Okla. Selsmophone. 2,084,561; June 22.

Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Feet and handle provisions for appliance bases. 2,084,595; June 22.

Preston, Frank W., Butler, Pa. Hydraulic testing machine. 2,084,653; June 22.

Price, Richard P., assignor to Hammermill Paper Company, Erie, Pa. Continuous automatic layboy. 2,084,741; June 22.

Prickett, Thomas B., Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del. Process of and apparatus for controlling catalytic and other contact mass reactions. 2,084,357; June 22.

Prinz, Dietrich, and F. Herriger, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie, m. b. H., Berlin, Germany. Magnetically biased electron discharge device. 2,084,867; June 22.

Prose, Henry F. (See Prose, Ray M., and H. F.)

Prose, Ray M. and H. F., Modoc, Kans. Weaner. 2,084,919; June 22.

Prost, Hans. (See Buschbeck, W., Prost, and Boettcher.)

Pudelko, Riccard, Zug, Switzerland, assignor to Landis &-Gyr, A.G. Meter system. 2,084,742; June 22.

Puerner, Bertram H., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Speed controller for clinker coolers. 2,084,976; June 22.

Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Making match packets. 2,084,706; June 22.

Pullenlite Company. (See Pullen, Rodney S., assignor.)

Purity Paper Vessels Company. (See Perkins, Henry G., assignor.)

Quigley Company. (See Thayer, Howard C., assignor.)

Quinn, Edward, Brooklyn, assignor to The Del-Mac Shoe Process Corporation, New York, N. Y. Shoe and making same. 2,084,868; June 22.

Radio Corporation of America. (See Beverage, Harold H., assignor.)

Radio Corporation of America. (See Braden, Rene A., assignor.)

Radio Corporation of America. (See Brown, Charles H., assignor.)

Radio Corporation of America. (See Linsell, Alfred A., assignor.)

Radio Corporation of America. (See McKesson, Lewis J., assignor.)

Radio Corporation of America. (See Ogloblinsky, Gregory N., assignor.)

Radio Corporation of America. (See Zworykin, Vladimir K., assignor.)

Radtke, Bruno, assignor to John F. Meyer, Chicago, Ill. Amusement game apparatus. 2,084,452; June 22.

Raffold Process Corporation. (See Rafton, Harold R., assignor.)

Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Paper Manufacture. 2,084,358; June 22.

Rainbow Laboratories. (See Rogers, Fred A., assignor.)

Rand, James H., assignor to Philrand, Inc., North Falmouth, Mass. Index frame arrangement. 2,084,453; June 22.

Rand, James H., assignor to Philrand, Inc., North Falmouth, Mass. Index frame assembly. 2,084,454; June 22.

Rathbun, John P., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat exchanger. 2,084,743; June 22.

Rathbun, Sherill S., Rockville Centre, N. Y. Fan. 2,084,744; June 22.

Ray, William A., San Francisco, Calif., assignor to General Controls Company. Control apparatus. 2,084,654; June 22.

Reed, David A., Berkeley, Calif. Arch support. 2,084,455; June 22.

Reeves Manufacturing Company, The. (See Vogan, Frank M., assignor.)

Reeves Pulley Company. (See Brooks, Harry E., assignor.)

Reilly, Sandford T., Brooklyn, N. Y., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Folding table leg lock release. 2,084,824; June 22.

Reitz, Walter H. (See Frank, J. M., and Reitz.)

Reliable Machine Screw Soles Co. (See Robinson, Herbert M., assignor.)

Remington Rand Inc. (See Baumann, A., and Horlacher, assignor.)

Remington Rand Inc. (See Lasker, William W., assignor.)

Reynolds, Sydney W., Ripon, Calif. Button lock. 2,084,745; June 22.

Rheinische Metallwaaren- und Maschinenfabrik. (See Kottmann, August, assignor.)

Rice, Henry T., San Gabriel, and M. E. Seldner, East San Gabriel, Calif. Container valve. 2,084,596; June 22.

Richfield Oil Corporation. (See Day, Charles A., Jr., assignor.)

Rieder, Thomas W., Pittsburgh, Pa. Airplane construction. 2,084,502; June 22.

Risser, Ross E., Bonham, Tex. Liquid dispensing apparatus. 2,084,597; June 22.

Robarge, George F., Toledo, Ohio. Assembly machine and method. 2,084,411; June 22.

Roberts, Horatio E., Roseville, Mich. Propeller shaft variable pitch control. 2,084,655; June 22.

Roberts, Joseph H., Waterbury, assignor to The F. B. Shuster Company, New Haven, Conn. Straightening machine for long stock. 2,084,746; June 22.

Robinson, Herbert M., assignor to Reliable Machine Screw Sales Co., Inc., Newark, N. J. Brake valve. 2,084,707; June 22.

Rochester Button Company. (See Broderson, Neil O., assignor.)

Rochte, August R. (See Houser, Orrie E., assignor.)

Rode, Fredrich J., Toledo, Ohio. Bolster pin holder. 2,084,456; June 22.

Rogers, Fred A., assignor to Rainbow Laboratories, Portland, Oreg. Color calibration machine. 2,084,598; June 22.

Rogers, James F., Bay Village, Ohio. Tie holder. 2,084,503; June 22.

Rogers, Thomas H., and V. Voorhees, Hammond, Ind., assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel products. 2,084,977; June 22.

Rose, William H., Jersey City, N. J., assignor to Stanco Incorporated. Discharge elements in powder guns. 2,084,504; June 22.

Rose, William H., Jersey City, N. J., assignor to Stancor Incorporated. Spray gun with removable discharge tube. 2,084,505; June 22.

Rosen, Raphael, Cranford, N. J., assignor to Standard Oil Development Company. Preparing improved detergents and wetting agents from petroleum oils and products thereof. 2,084,506; June 22.

Rosenbaum, Samuel S., Pasadena, assignor to Joseph Wintroub, Los Angeles, Calif. Automatic meat stomper. 2,084,359; June 22.

Rosenberg, Jacob E., Pittsburgh, Pa., assignor to The O. Hommel Company. Opaque lead glass of low melting-point. 2,084,747; June 22.

Rosenberg, Stig E., Brockton, Mass. Perforating machine. 2,084,869; June 22.

Rosin, Edwin A. (See Drake, J. L., and Rosin.)

Rosner, Adolph. (See La Brie, L. E., and Rosner.)

Rosser, Evan R., Williamsport, Pa. Shoerack. 2,084,779; June 22.

Rotteé, Pierre, assignor to F. Geneve, Paris, France. Self-loading refuse vehicle. 2,084,656; June 22.

Royal Revues, Inc. (See Hyde, William C., assignor.)

Royal Typewriter Company. (See Hart, Henry J., assignor.)

Ruben, Samuel, New Rochelle, N. Y., assignor to Vega Manufacturing Corporation, Wilmington, Del. Insulated wire. 2,084,825; June 22.

Ryan, Lonnie W., Westfield, and W. J. Canwenberg, Elizabeth, N. J., assignors, by mesne assignments, to National Lead Company, New York, N. Y. Titanium pigment composition and making same. 2,084,826; June 22.

Sadlon, Martin M. (See Swoope, C. C., and Sadlon.)

Sanders, James J., Nashville, Tenn. Sewing kit. 2,084,780; June 22.

Sasse, Wilhelm, Weimar, and E. Schneider, Uerdingen-on-the-Rhine, Germany, assignors to The Buell Combustion Company Limited, London, England. Heated drum apparatus for desiccating liquids and semiliquids. 2,084,537; June 22.

Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Reflecting signal device. 2,084,599; June 22.

Scalson, Alexander, New York, N. Y. Coaster brake. 2,084,507; June 22.

Scalson, Alexander, New York, N. Y. Brake holding ring. 2,084,508; June 22.

Schaefer, Ferdinand A., Baltimore, Md., assignor of one-half to T. H. Low, New Haven, Conn. Buckle. 2,084,412; June 22.

Schafer, Robert A., assignor to The National Automatic Tool Company, Richmond, Ind. Timing relay for machine tools. 2,084,562; June 22.

Scherenzel, Anton. (See Czeija, O., Lebzelter, and Scherenzel.)

Schiller, John J., Cicero, Ill. Shoe stretcher. 2,084,748; June 22.

Schmidt, Arno, New York, N. Y. Colorimeter. 2,084,538; June 22.

Schmidt, August, Jr., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. 2,084,870; June 22.

Schneider, Corporation of Jos. & Co., The. (See Tronnier, Albrecht W., assignor.)

Schneider, Ernst. (See Sasse, W., and Schneider.)

Schneider, Julius, Munich, Germany. Machine for producing justified lines of printing types. 2,084,539; June 22.

Schott, Lionel, East Orange, N. J., assignor to American Telephone and Telegraph Company. Transmission system. 2,084,457; June 22.

Schrag, John J. (See Schrag, Peter J. P., and J. J.)

Schrag, Peter J. P., McPherson, and J. J. Schrag, Moundridge, Kans. Elevator structure. 2,084,920; June 22.

Schutten, Joseph J., Los Angeles, Calif. Portable putty cutting machine. 2,084,458; June 22.

Schwartz, Samuel M., and E. J. Tenny, Paterson, N. J., said Tenny assignor to said Schwartz. Multiple color flock printing machine. 2,084,827; June 22.

Schwarzkopf, Arthur R., assignor to Theo. A. Kochs Company, Chicago, Ill. Chair. 2,084,871; June 22.

Schweitzer & Conrad, Inc. (See Lindell, Sigurd I., assignor.)

Schweizerische Lokomotiv- & Maschinenfabrik. (See Müller, T., and Wiederkehr, assignors.)

Scott, Philip L., San Mateo, Calif., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Humidifying system. 2,084,563; June 22.

Sears, George B., Brooklyn, assignor to Jaeger Watch Company, Inc., New York, N. Y. Electrical apparatus. 2,084,657; June 22.

Seashore, Gunnar F., Minneapolis, Minn. Tube closure. 2,084,872; June 22.

Seidelbach, Rudolf, Berlin-Mariendorf, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Voltage-controlling arrangement. 2,084,509; June 22.

Seidner, Milton E. (See Rice, H. T., and Seidner.)

Seil, Gilbert E., Cynwyd, Pa. Refining alloys. 2,084,978; June 22.

"Selenophon" Licht und Tombildgesellschaft m. b. H. (See Czeija, O., Lebzelter, and Scherenzel, assignors.)

Seybold, Frederick W., Westfield, assignor to American Type Founders Incorporated, Elizabeth, N. J. Printing press. 2,084,783; June 22.

Seymour-Peck Co. (See Arnold, Charles B., assignor.)

Sherman, Rallston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Apparatus for burning liquid fuel. 2,084,708; June 22.

Sherman, Rallston M., Glastonbury, assignor to The Silent Glow Oil Burning Corporation, Hartford, Conn. Flexible driving connection for oil burners. 2,084,709; June 22.

Shields, John W., assignor, by mesne assignments, to International Door Company, Evansville, Ind. Revolving door construction. 2,084,781; June 22.

Showalter, Jere C., Goose Creek, Tex., assignor to Standard Oil Development Company. Decolorizing and imparting bloom to lubricating oils. 2,084,510; June 22.

Shuster, F. B., Company, The. (See Roberts, Joseph H., assignor.)

Sidebotham, Melvin H., West Newton, assignor to Specialty Automatic Machine Company, Medford, Mass. Corrugated wrapper. 2,084,922; June 22.

Sidney Elevator Company, The. (See Littlefield, William M., assignor.)

Siemens & Halske Aktiengesellschaft. (See Geyger, Wilhelm, assignor.)

Siems, Herman B., assignor to Swift & Company Fertilizer Works, Chicago, Ill. Flotation reagent. 2,084,413; June 22.

Silent Glow Oil Burner Corporation, The. (See Sherman, Rallston M., assignor.)

Simplex-Schiebefenster G. m. b. H. (See Grons, Konstantin, assignor.)

Simpson, Lancelot M., Stanks, near Leeds, assignor to Automatic Electric Company Limited, Liverpool, England. Electric totalizator. 2,084,414; June 22.

Sjostrom, Robert L., West Boxford, Mass. Conditioning machine for absorptive sheet materials. 2,084,459; June 22.

Skiliris, Lonkas, Belmar, N. J. Slicing machine. 2,084,921; June 22.

Slade, Harold W., assignor to Phoenix Toilet & Paper Mfg. Co. Inc., Phoenix, N. Y. Labeling machine. 2,084,962; June 22.

Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 2,084,979; June 22.

Small, James K., Hudson View Gardens, N. Y., assignor to Standard-I. G. Company. Hydrogen production catalysts. 2,084,511; June 22.

Smidth, F. L., & Co. (See Ahlmann, Nikolai, assignor.)

Smith, Edward W., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery plate. 2,084,964; June 22.

Smith, George O., Spartanburg, S. C. Apparatus for sacking materials. 2,084,711; June 22.

Smith, Henry T., Wood-Ridge, assignor to Becton, Dickinson & Co., Rutherford, N. J. Carton for glass syringes. 2,084,540; June 22.

Smith, Pleasant E. (See Storey, J. M. and Smith.)

Smith, S. Morgan, Company. (See Young, Arthur, assignor.)

Smith, William A., Sr., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 2,084,564; June 22.

Smith, William L., Jr. (See Lawson, R. H. and Smith.)

Snow, Karl F., Brecksville, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Apparatus for handling barrels and like articles. 2,084,460; June 22.

Società Italiana Pirelli. (See Pestalozza, Ugo, assignor.)

Société Anonyme Des Usines Chausson. (See Mollet, Léon, assignor.)

Société de Recherches et d'Applications Chimiques (Sorac), Societe Anonyme. (See Degulde, Camille, assignor.)

Société Francaise Helita. (See Grenier, Joseph Pierre, assignor.)

Society of Chemical Industry in Basle. (See Bonhôte, G., and Wirz, assignors.)

Society of Chemical Industry in Basle. (See Gyr, J., and Kaiser, assignors.)

Society of Chemical Industry in Basle. (See Kambli, Eduard, assignor.)

Society of Chemical Industry in Basle. (See Stöcklin, E. and Kambli, assignors.)

Socony-Vacuum Oil Company. (See Hildebrandt, William, assignor.)

Sopher, Walter, Grand Island, Nebr. Rotary internal combustion engine. 2,084,923; June 22.

Sorber, Daniel G., El Monte, and M. H. Kimball, Alhambra, Calif., assignors to Henry A. Wallace as Secretary of Agriculture of the United States of America. Inducing uniformity of blooming and fruit production in fruiting plants. 2,084,461; June 22.

Southern Steel Stamping, Incorporated. (See Yow, William P., assignor.)

Spang, Chalfant & Company, Inc. (See Blevins, Herman G., assignor.)

Sparkman, John W., Birmingham, Ala. Automobile door construction. 2,084,600; June 22.

Specialty Automatic Machine Company. (See Sidebotham, Melvin H., assignor.)

Speery Gyroscope Company. (See Carlson, Bert G., assignor.)

Spruzzola, Louis J., United States Navy. Brush for cleaning boiler and other tubes. 2,084,360; June 22.

Spurlin, Harold M., assignor to Hercules Powder Company, Wilmington, Del. Production of alkyl chlorides from alkyl ethers. 2,084,710; June 22.

Staats, Gilson C., Folsom, Pa. Food chopper. 2,084,924; June 22.
Stahl, Rodolphe, Detroit, Mich. Imbedding of abrasive and like particles in rubber. 2,084,784; June 22.
Staley, Allen C., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Air conditioning unit. 2,084,601; June 22.
Stalker, Edward A., Ann Arbor, Mich. Compressor. 2,084,462; June 22.
Stalker, Edward A., Ann Arbor Mich. Pumping machinery. 2,084,463; June 22.
Stalker, Edward A., Ann arbor, Mich. Aircraft. 2,084,464; June 22.
Stanco Inc. (See Hunn, Edward B., assignor.)
Stanco Incorporated. (See Ross, William H., assignor.)
Standard-I. G. Company. (See Ellis, Carleton, assignor.)
Standard-I. G. Company. (See Small, James K., assignor.)
Standard Oil Company of California. (See Duey, Harold S., assignor.)
Standard Oil Development Company. (See Donlan, Theodore R., assignor.)
Standard Oil Development Company. (See Edwards, D. F. and Wilson, assignors.)
Standard Oil Development Company. (See Liberthson, Leo, assignor.)
Standard Oil Development Company. (See Rosen, Raphael, assignor.)
Standard Oil Development Company. (See Showalter, Jere C., assignor.)
Standard Oil Development Company. (See Swoope, C. C. and Sadlon, assignors.)
Standard Oil Development Company. (See Whitely, James M., Jr., assignor.)
Standard Oil Development Company. (See Wiezevich, Peter J., assignor.)
Standard Oil Development Company, et al. (See Booth, R. D., Coffin and Tigges, assignors.)
Standard Sanitary Manufacturing Company. (See Frankenberger, Charles J., assignor.)
Starline, Inc. (See Ferris, Robert G., assignor.)
Staten, Allen M., Pershing, Iowa. Drill post. 2,084,925; June 22, 1937.
Stearns & Foster Company, The. (See Dwight, Russell S. assignor.)
Stebbins, John D., New York, N. Y., and F. W. Yeager, Cliffside Park, N. J., assignor to The Barrett Company, New York, N. Y. Method and apparatus for laying sheet material. 2,084,625; June 22.
Stocker, Frederick, assignor to National Stamping & Electric Works, Chicago, Ill. Coffee maker filter. 2,084,602; June 22.
Stöcklin, Ernst, Binningen, near Basel, and E. Kaubli, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Indigoid dyestuffs and making same. 2,084,712; June 22.
Stolp, Frank H., Geneva, N. Y. Accelerating transmission mechanism. 2,084,658; June 22.
Storey, Jack M., and P. E. Smith, Herrin, Ill. Animated motion picture machine. 2,084,782; June 22.
Stoughton, Philip, New York, N. Y. Bath salts. 2,084,465; June 22.
Strain, Daniel E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous composition and the manufacture thereof. 2,084,415; June 22.
Strause, Louis J., Atlantic City, N. J. Tooth brush. 2,084,873; June 22.
Streander, Philip B., Searsdale, assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y. Treatment of sewage, industrial waste, and the like. 2,084,659; June 22.
Super Diesel Tractor Corporation. (See Scott, Philip L., assignor.)
Superior Switchboard & Devices Company, The. (See Grace, Richard W., assignor.)
Sutcliffe, Harry L., Brooklyn, assignor to The Del-Mac Shoe Process Corporation, New York, N. Y. Shoe and making same. 2,084,874; June 22.
Sweeney, Orland R., Ames, Iowa, assignor to State of Iowa for benefit of Iowa State College of Agriculture and mechanical Arts. Mat board handling machine. 2,084,980; June 22.
Swift & Company Fertilizer Works. (See Siems, Herman B., assignor.)
Swoope, Charles C., Bayonne, and M. M. Sadlon, Roselle Park, N. J., assignors to Standard Oil Development Company. Lubricating oil. 2,084,512; June 22.
Symington Gould Corporation, The. (See Townsend, Donald L., assignor.)
Syrovy, Augustin J. (See Dunn, W. T., and Syrovy.)
Tabern, Donalee L., Lake Bluff, assignor to Abbott Laboratories, North Chicago, Ill. Unsaturated alkylene amides and ureides of polyhydroxy aliphatic acids. 2,084,626; June 22.
Tatter, John W., Akron, Ohio, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,084,116; June 22.
Taylor, John. (See Bennett, Knight T., assignor.)
Teetor, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston ring expander. 2,084,828; June 22.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, W., Prost, and Boettcher, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kauffeldt, Alfons, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Prinz, D., and Herriger, assignors.)
Tenny, Edward J. (See Schwartz, S. M., and Tenny.)
Terry, Andrew, Company. (See Bondeson, Carl G., assignor.)
Teves, Marten C. (See Penning, F. M., and Teves.)
Texas Company, The. (See Kaufman, Gus, assignor.)
Texas Company, The. (See Towne, Charles C., assignor.)
Thayer, Howard C., Jersey City, N. J., assignor to Quigley Company, Inc., New York, N. Y. Rotary kiln. 2,084,713; June 22.
Thew Shovel Company. (See Zeilman, Roy H., assignor.)
Thompson Products, Inc. (See Jencick, Stephen, assignor.)
Thoren, Gustav A., San Francisco, Calif. Device for rotating thermometers. 2,084,875; June 22.
Tigges, Alexander J. (See Booth, R. D., Coffin, and Tigges.)
Timken-Detroit Axle Company. (See Cole, Frank O., assignor.)
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Combined fastening structure. 2,084,926; June 22.
Toledo Automatic Brush Machine Company, The. (See Jobst, Conrad, assignor.)
Tomkinson, Charles C., Plainfield, N. J., assignor to R. E. Ogden, Mountainville, N. Y. Wedge for concrete form ties. 2,084,417; June 22.
Tone, Frank J., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Abrasive article. 2,084,513; June 22.
Toroldson, Nils A., Chicago, Ill., assignor to Appleton Electric Company. Cover attaching means. 2,084,541; June 22.
Tormonist, Earl L., Elmhurst, Ill. Manufacturing water gas. 2,084,749; June 22.
Toth, Louis. (See Peremi, E., and Toth.)
Towne, Charles C., Poughkeepsie, assignor to The Texas Company, New York, N. Y. Synthetic resins and oils. 2,084,927; June 22.
Townsend, Donald L., assignor to The Symington Gould Corporation, Rochester, N. Y. Railway truck. 2,084,512; June 22.
Townsend, Donald L., assignor to The Symington Gould Corporation, Rochester, N. Y. Railway truck. 2,084,513; June 22.
Traver, Oliver C., Drexel Hill, Pa., assignor to General Electric Company. Control and protection of electric circuits. 2,084,876; June 22.
Trommer, Albrecht W., Bad Kreuznach, assignor to the Corporation of Jos. Schneider & Co., Optotechnische Gesellschaft, Berlin, Germany. Unsymmetrical photographic objective. 2,084,714; June 22.
True, Shirley, Los Angeles, Calif. Comb cleaner. 2,084,603; June 22.
Tucker, Emmitt W., Sacramento, Calif. Gas engine. 2,084,604; June 22.
Tupman, Peter, Los Angeles, Calif. Hanger. 2,084,565; June 22.
Turner, Harold Sheffield, assignor to Johnson Matthey & Company Limited, London, England. Silver solder. 2,084,928; June 22.
Turtle, Loren W., Arlington Heights, and G. W. Warrick, Harvey, Ill. Humidity control system. 2,084,514; June 22.
Tynan, Henry J., Ridgewood, assignor to Tynan Throwing Company, Paterson, N. J. Drying, conditioning, and winding from textile skeins. 2,084,829; June 22.
Tynan Throwing Company. (See Tynan, Henry J., assignor.)
Uhde, Arthur, Berlin-Reinickendorf, Germany, assignor to General Electric Company. Circuit controlling system. 2,084,877; June 22.
Urrutia, Bozidar J., Los Angeles, Calif. Concrete pipe joint. 2,084,466; June 22.
Underpinning & Foundation Company. (See Streander, Philip B., assignor.)
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Union Switch & Signal Company, The. (See Bell, Charles W., assignor.)
United Carr Fastener Corporation. (See Dowse, Edmund C., assignor.)
United-Carr Fastener Corporation. (See Holmes, George A., assignor.)
United-Carr Fastener Corporation. (See Jones, Walter L., assignor.)
United-Carr Fastener Corporation. (See Wilson, Cary C., assignor.)
United Shoe Machinery Corporation. (See Dixon, Paul P., assignor.)
United Shoe Machinery Corporation. (See Duplessis, René E., assignor.)
United Shoe Machinery Corporation. (See Hazelton, George, assignor.)
United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)
United States Rubber Products, Inc. (See Keen, Alexis W., assignor.)

Universal Oil Products Company. (See Alther, Joseph G., assignor.)
Universal Oil Products Company. (See Barnes, Marion W., assignor.)
Unruh, Albert E., assignor of one-half to A. MacDonald, Seattle, Wash. Perforator for printing presses. 2,084,518; June 22.
Upper, Frederick A. (See Martin, H. C., and Upper.)
Van Buren, John, Brooklyn, N. Y. Machine for wrapping and boxing articles. 2,084,515; June 22.
Van Cleef Bros. (See Van Cleef, Paul, assignor.)
Van Cleef, Paul, assignor to Van Cleef Bros., Chicago, Ill. Tape and making the same. 2,084,878; June 22.
Vanderbilt, Byron M., Chicago Heights, Ill., assignor to Victor Chemical Works. Metal cleaning composition. 2,084,361; June 22.
Van der Waals, Hendrik G., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Spinning arrangement. 2,084,929; June 22.
Van Puymbroeck, Julien, Brussels, Belgium. Manufacturing textile articles. 2,084,516; June 22.
Vega Manufacturing Corporation. (See Ruben, Samuel, assignor.)
Verardo, John A. (See Corradino, E., and Verardo.)
Verhagen, Christian M., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Window sash. 2,084,715; June 22.
Victor Chemical Works. (See Vanderbilt, Byron M., assignor.)
Visscher, Margaret M., and W. L. McMillan, Los Angeles, Calif., said McMillan assignor to said Visscher. Absorbent pad and making the same. 2,084,362; June 22.
Vogan, Frank M., Canton, assignor to The Reeves Manufacturing Company, Dover, Ohio. Manufacture of wash tubs. 2,084,467; June 22.
Vogel, Hans, Frankfort-on-the-Main, Germany. Pneumatic insert for shoes. 2,084,517; June 22.
Von der Ohe, Werner, Benthen, assignor to firm of Polensky und Zöllner, Berlin, Germany. Obtaining zinc oxide. 2,084,716; June 22.
Von Wedel, Carl J. R. H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Gaseous discharge system. 2,084,750; June 22.
Von Wedel, Carl J. R. H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Gaseous electric discharge device. 2,084,751; June 22.
Voorhees, Venderveer. (See Rogers, T. H., and Voorhees.)
Voran Automobilbau-Aktiengesellschaft. (See Bussien, Richard, assignor.)
Wach, Edward F., Modesto, Calif. Thermoradiant heating unit. 2,084,468; June 22.
Wageley, Charles M., Kirkwood, Mo., assignor to The American Brake Company, Wilmerding, Pa. Locomotive driver brake. 2,084,660; June 22.
Wagner Electric Corporation. (See Doelling, George L., assignor.)
Wagner, Walter C., Oneida, N. Y. Smoker's appliance. 2,084,785; June 22.
Wagstaff, Norvel J., Rochester, N. Y. Curtain drying and stretching rack. 2,084,661; June 22.
Walker, Brooks, Piedmont, and H. E. Kennedy, Berkeley, Calif. Internal combustion engine. 2,084,752; June 22.
Wallace, Henry A., as Secretary of Agriculture of the United States of America. (See Sorber, D. G., and Kimball, assignors.)
Wallach, Roger N. (See Chebotar, L. P., and Wallach.)
Wallis, Theodor, Dessau-Ziebigk in Anhalt, and O. Falck, Wiederitzsch, near Leipzig, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Dehydrating organic liquids. 2,084,419; June 22.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Press inking device. 2,084,418; June 22.
Wareham, Harry P., Jr. (See Friedrich, C., and Wareham.)
Warfield, John R., Elsinor, Calif. Gas log. 2,084,566; June 22.
Warrick, George W. (See Tuttle, L. W., and Warrick.)
Watson, Lloyd W., Oakland, and O. B. Ackerly, Jr., Piedmont, assignors to Oliver United Filters Incorporated, San Francisco, Calif. Drainage screen. 2,084,753; June 22.
Wean Engineering Company, The. (See Wean, Raymond J., assignor.)
Wean, Raymond J., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Apparatus for rolling flat sheet-like material. 2,084,469; June 22.
Webb, Edmond F., Royal Oak, assignor to Chrysler Corporation, Detroit, Mich. Electric fuel pump. 2,084,605; June 22.
Weber, Erwin L. F., Seattle, Wash. Automatic air conditioning radiator. 2,084,365; June 22.
Weise, Kurt R., University Heights, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Conveyer block system. 2,084,879; June 22.
Weisman, Fred O. (See Houshalter, F. M., and Weisman.)
Weiss, H., & Company. (See Heller, Herbert J., assignor.)
Wells, Herbert J. C., Jackson Heights, N. Y. Steam trap. 2,084,470; June 22.
Wenzel, Fred F., South Bend, Ind. Cigarette holder. 2,084,930; June 22.
West, Dwight A., Kansas City, Mo. Quilting frame. 2,084,567; June 22.
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Cotter, George L., assignor.)
Westinghouse Air Brake Company, The. (See Crittenden, Philip L., assignor.)
Westinghouse Air Brake Company, The. (See Dempsey, Philip W., assignor.)
Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Good, John N., assignor.)
Westinghouse Air Brake Company, The. (See Grosswege, J. B., and Canetta, assignors.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr.)
Westinghouse Air Brake Company, The. (See McClure, G. T., and Fitch, assignors.)
Westinghouse Air Brake Company, The. (See McCune, Joseph, C., assignor.)
Westinghouse Air Brake Company. (See Owen, Eugene A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marden, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rathbun, John P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Weyde, Edith, Cologne-Niehl, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of photographic pictures. 2,084,420; June 22.
White, George H., Chicago, Ill. Closure cap. 2,084,568; June 22.
White, Lyle E., United States Army, Fort Clayton, Canal Zone. Firing device. 2,084,363; June 22.
Whitely, James M., Jr., Roselle, N. J., assignor to Standard Oil Development Company. Treating lubricating oils with selective solvents. 2,084,471; June 22.
Wiederkehr, Hans. (See Müller, T., and Wiederkehr.)
Wiezevich, Peter J., Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricating and insulating compound. 2,084,472; June 22.
Wiley, William R., Detroit, Mich. Attaching clip for molding strips. 2,084,717; June 22.
Williams, John D., Philadelphia, Pa. Deep sea rod pistol grip. 2,084,931; June 22.
Williamson, Frederick G., Wilkinsburg, assignor to The American Brake Company, Wilmerding, Pa. Automatic slack adjuster. 2,084,662; June 22.
Wilson, Arthur M. (See Edwards, D. F., and Wilson.)
Wilson, Cary C., Claremont, N. H., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Panel fastener. 2,084,544; June 22.
Wilson, Charles H. (See Lorenz, Henry W. F., assignor.)
Wilson, Charles P., Jr., Houston, Tex. Process and product for the stabilizing of unsaturated hydrocarbons. 2,084,754; June 22.
Winograd, Harold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric valve protective system. 2,084,545; June 22.
Wintroub, Joseph. (See Rosenbaum, Samuel S., assignor.)
Wirz, Adolf. (See Bonhôte, G., and Wirz.)
Wolf, Elias, Melrose, assignor to National Metal Edge Box Company, Philadelphia, Pa. Cardboard box construction. 2,084,965; June 22.
Wood, Clarence W. (See Hamilton, Thomas J., and D. G., and Wood.)
Woodbury, Sidney F., Portland, Oreg. Range-tracer projectile. 2,084,366; June 22.
Woodhead, Henry A., Graniteville, S. C. Apparatus for treating cloth. 2,084,367; June 22.
Woodyard, Kenneth C. (See Prescott, H. R., and Woodyard.)
Wotring, Gaylord H., West Caldwell, N. J., assignor to General Electric Company. Control apparatus for heating systems. 2,084,880; June 22.
Wright, Jesse C., Los Angeles, assignor to Globe Oil Tools Company, Los Nietos, Calif. Well drill. 2,084,421; June 22.
Wright, Sumner B., South Orange, N. J., assignor to American Telephone and Telegraph Company. Telephone transmission circuit. 2,084,422; June 22.
Wurbs, Alfred. (See Mecklenburg, W., and Wurbs.)
Wynn, James H., Gary, assignor to Bendix Products Corporation, South Bend, Ind. Hydraulic control for throttle valves. 2,084,368; June 22.
Yeager, Frank W. (See Stebbins, J. D., and Yeager.)
Yoder Company, The. (See Babb, Claude R., assignor.)
Young, Arthur, assignor to S. Morgan Smith Company, York, Pa. Hydraulic machine. 2,084,369; June 22.
Young, Henry S., Jr., Orange, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Refrigerant distributor. 2,084,755; June 22.
Yow, William P., assignor to Southern Steel Stampings, Incorporated, Winston-Salem, N. C. Refectory table. 2,084,786; June 22.

Zaustinsky, Michael V., Battle Creek, Mich. Method and apparatus for ventilating an enclosed space. 2,084,787; June 22.

Zeilman, Roy H., assignor to Thew Shovel Company, Lorain, Ohio. Back-digger boom construction. 2,084,718; June 22.

Zeiss Ikon Aktiengesellschaft. (See Bertelle, Ludwig, assignor.)

Zeiss Ikon Aktiengesellschaft. (See Küppenbender, Heinz, assignor.)

Zemba, John W. (See Britton, E. C., Coleman, and Zemba.)

Zumwalt, Charles P., Coquille, Oreg., assignor to Industrial Patents Corporation, Chicago, Ill. Thermometer guard. 2,084,370; June 22.

Zwaal, Paul J., Amsterdam, Netherlands. Rope cutting device. 2,084,663; June 22.

Zworkyin, Vladimir K., Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Television system. 2,084,364; June 22.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22d DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Atomizer for materials in powder form. F. Schori. 20,425; June 22.

Electrical generator. C. A. Culver. 20,416; June 22.

Fuse, High voltage. G. B. Mangan. 20,420; June 22.

Knitting machine. L. Robaczynski. 20,423; June 22.

Power lift means for tractors and the like. T. Brown. 20,415; June 22.

Rectifiers and circuits therefor, Method of controlling. W. H. Howe. 20,418; June 22.

Sorting machine. G. Lowkrantz. 20,419; June 22.

Sound translating system. A. Pfister. 20,422; June 22.

Steel and making same, Alloy. P. Payson. 20,421; June 22.

Washing machine and method. W. Rocke. 20,424; June 22.

Yarns, Treating natural and artificial. J. M. Hood. 20,417; June 22.

LIST OF PLANT INVENTIONS

Phlox. E. H. Schultz. 252; June 22.

LIST OF DESIGN INVENTIONS

Antenna for vehicles, Radio. L. R. L. Williams. 105,067; June 22.

Ashtray. J. F. Eppenstein. 105,002; June 22.

Atomizer. F. A. Vuillemenot. 104,044; June 22.

Atomizer. F. A. Vuillemenot. 105,045–6; June 22.

Bottle. C. D. Little. 105,024; June 22.

Bottle. F. McLaughlin. 105,023; June 22.

Bottle or similar container. R. A. Mills. 105,026; June 22.

Brake lever or similar article. R. A. Sandberg. 105,031; June 22.

Brake lever or similar article. R. A. Sandberg and C. R. Duncan. 105,032; June 22.

Brooch. J. M. Grigor. 105,005; June 22.

Bumper, Automobile. D. Laino. 105,058; June 22.

Cabinet, Electrothermo bath. I. M. Petersime. 105,074; June 22.

Cabinet, Sewing. F. W. Hartner. 105,056; June 22.

Case, Clock. W. B. Cleland. 105,068; June 22.

Case, Piano. W. M. Day. 104,993–4; June 22.

Clock, Control. B. E. Shaw. 105,077; June 22.

Container, Collapsible. J. H. Fridén. 105,004; June 22.

Decanter or similar article. S. W. Fisher. 105,003; June 22.

Defecator. W. C. Groeniger. 105,006; June 22.

Desk, Typewriter. E. F. Johnstone, Jr. 105,072; June 22.

Dress. J. Galbo. 105,070; June 22.

Dress. C. Jaccarino. 105,018; June 22.

Dress. A. Ruchman. 105,076; June 22.

Dress. J. Young. 105,079; June 22.

Dress ensemble. T. Coleman. 105,069; June 22.

Electric vibratory interrupter device. W. A. McNaught. 105,025; June 22.

Emulsifier. O. F. Neitzke. 105,059; June 22.

Extractor, Fruit juice. T. L. Hand. 105,071; June 22.

Fabric, Elastic. H. Aull. 104,985; June 22.

Fabric, Textile. J. W. Brooks. 104,987–90; June 22.

Fabric, Textile. E. I. Hanson. 105,055; June 22.

Fabric, Textile. J. H. Huelat. 105,014–17; June 22.

Fabric, Textile. J. W. Snowden. 105,033; June 22.

Fabric, Textile. M. Turpan. 105,038–41; June 22.

Fabric, Textile. H. W. Wilde. 105,048; June 22.

Flowerpot and support, Combined. F. L. Devereux. 104,995; June 22.

Glass for picture frames, Transparent convex. H. J. Moravek. 105,027; June 22.

Glove. S. M. Straus. 105,035; June 22.

Handbag. A. Landis. 105,021; June 22.

Heater shell or similar article, Car. F. M. Young. 105,052; June 22.

Heel, Interchangeable rubber. H. Cairns. 104,991; June 22.

Holder, Leaf. R. Taylor. 105,037; June 22.

Holder, License plate. R. F. Duryea. 105,000–1; June 22.

Lamp, Wall bracket. E. Kanter. 105,057; June 22.

Mirror and hat rack mounting, Combined. J. C. Van Aken. 105,043; June 22.

Ornament, Electrical. A. Pfau. 105,064; June 22.

Pen, Fountain. G. Larsen. 105,022; June 22.

Pin or similar article, Brooch. E. Steiner. 105,034; June 22.

Rack, Towel. B. F. Hamilton. 105,009; June 22.

Raincoat and hood, Combined. H. B. Richards. 105,075; June 22.

Receptacle for pens, pencils, or other articles. M. K. Cook. 104,992; June 22.

Receptacle for pens, pencils, or other articles. J. E. Olson. 105,029; June 22.

Ring, Finger. L. Ribera. 105,030; June 22.

Ring or similar article of jewelry. F. P. Kinsley. 105,020; June 22.

Sandal. M. Gustin. 105,008; June 22.

Sheet or similar article, Plastic. E. H. Tyson. 105,042; June 22.

Shoe. R. N. Donohoe. 104,996–9; June 22.

Shoe. H. H. C. Odenerants. 105,028; June 22.

Shoe. H. H. C. Odenerants. 105,060–3; June 22.

Shoe. J. Starr. 105,065; June 22.

Shoe. J. Timpanelli. 105,066; June 22.

Shutter, Ventilated awning. S. A. Jones. 105,019; June 22.

Signal, Automobile light. B. E. White. 105,047; June 22.

Sofa or similar article. H. H. Hines and G. McKeown. 105,010–13; June 22.

Spoon or other article of flatware. W. S. Warren. 105,078; June 22.

Stand, Smoking. A. C. Grunwald. 105,007; June 22.

Sweeper bail, Carpet. F. Williams. 105,050; June 22.

Sweeper, Carpet. F. Williams. 105,049; June 22.

Sweeper shell, Carpet. F. Williams. 105,051; June 22.

Tablecloth or similar article. F. Tausend. 105,036; June 22.

Tank, Trailer. R. A. Bradley. 104,986; June 22.

Trailer. J. R. Morgan. 105,073; June 22.

Vehicle, Rail. R. J. Burrows and A. O. Williams. 105,053; June 22.

Wheel for articles of cane or rattan furniture or the like. R. L. Ficks. 105,054; June 22.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive and like particles in rubber, Embedding of. R. Stahl. 2,084,784; June 22.
Abrasive article. H. C. Martin and F. A. Upper. 2,084,531; June 22.
Abrasive article. F. J. Tone. 2,084,513; June 22.
Abrasive compound and utilizing same. J. D. Kinsley. 2,084,644; June 22.
Absorbent pad and making the same. M. M. Visscher and W. L. McMillan. 2,084,302; June 22.
Accumulating device. C. D. Lake. 2,084,560; June 22.
Accelerator control, Auxiliary. R. M. Allen. 2,084,932; June 22.
Acid from a centrifuge, Apparatus for discharging. D. F. Edwards and A. M. Wilson. 2,084,484; June 22.
Acoustic device. L. B. Cornwell. 2,084,944; June 22.
Adjusting means. F. L. Prescott. 2,084,356; June 22.
Adjusting means for variable speed transmission. H. E. Brooks. 2,084,723; June 22.
Advertising device, Detachable. R. S. Ghiselin. 2,084,971; June 22.
Air conditioning and heat economizing assembly. M. L. Mueller. 2,084,408; June 22.
Air conditioning device. J. M. Frank and W. H. Reitz. 2,084,392; June 22.
Air conditioning unit. A. C. Staley. 2,084,601; June 22.
Aircraft. E. A. Stalker. 2,084,464; June 22
Airplane construction. T. W. Rieder. 2,084,502; June 22.
Airship. F. B. Clark. 2,084,963; June 22.
Alarm, Burglar. L. Fleischmann. 2,084,841; June 22.
Alcohol repellent compositions and the manufacture thereof. E. C. De Stubner. 2,084,323; June 22.
Alcoholic suspension of titanium pigments. W. K. Nelson. 2,084,918; June 22.
Alkyl chlorides from alkyl ethers, Production of. H. M. Spurlin. 2,084,710; June 22.
Alkylene amides and ureides of polyhydroxy aliphatic acids, Unsaturated. D. L. Tubern. 2,084,626; June 22.
Alloys, Refining. G. E. Seil. 2,084,978; June 22.
Alternating current meter. W. Buschbeck. 2,084,836; June 22.
Amplifier, High frequency. R. A. Braden. 2,084,475; June 22.
Amusement device. J. Paul. 2,084,701; June 22.
Anesthetizing apparatus. W. R. Hebion. 2,084,804; June 22.
Apparatus for rendering pulverulent materials fluent. N. Ahlmann. 2,084,516; June 22.
Apparel, Wearing. C. J. Busch and O. E. Huber. 2,084,958; June 22.
Arch support. D. A. Reed. 2,084,455; June 22.
Archery device. G. Flury. 2,084,634; June 22.
Article of manufacture, Nitrided. J. V. Emmons. 2,084,329; June 22.
Asbestos cement products, Making. G. Morbelli. 2,084,354; June 22.
Ashtray. L. A. Marihart. 2,084,650; June 22.
Assembly machine and method. G. F. Robarge. 2,084,111; June 22.
Auto, Aerodynamic. J. V. Martin. 2,084,634; June 22.
Auto compressor. P. Pateras Pescara. 2,084,822; June 22.
Automobile vehicle. P. M. Miller. 2,084,405; June 22.
Back-digger boom construction. R. H. Zeilman. 2,084,718; June 22.
Bag cleaning or emptying device. O. E. Houser. 2,084,492; June 22.
Bag turning machine. J. J. Neuman and G. R. Greene. 2,084,498; June 22.
Bag with spring closure. I. Alter. 2,084,757; June 22.
Barrel. C. B. Arnold. 2,084,882; June 22.
Barrels and like articles, Apparatus for handling. K. F. Snow. 2,084,160; June 22.
Base, Baseball. H. E. Orefice. 2,084,775; June 22.
Bathroom equipment. A. C. Denison. 2,084,793; June 22.
Bath salts. P. Stoughton. 2,084,165; June 22.
Bathtub. G. H. Lochman. 2,084,852; June 22.
Battery plate, Storage. E. W. Smith. 2,084,964; June 22.
Beet topper. A. M. Jongeneel. 2,084,398; June 22.
Bellows. H. C. Lockwood. 2,084,496; June 22.
Belt and fastener. J. C. Olsen. 2,084,536; June 22.
Belt, Life or swimming. J. Fromm. 2,084,636; June 22.
Beverage dispensing mechanism. D. E. Dobyns. 2,084,631; June 22.
Billboard. J. R. Neill. 2,084,818; June 22.

Binder, Loose leaf. H. D. Cottrell and A. Clarke. 2,084,724; June 22.
Bit; *See*—
Rotary disk bit.
Blooming and fruit production in fruiting plants, Inducing uniformity of. D. G. Sorber and M. H. Kimball. 2,084,461; June 22.
Bodies, Art of bonding or plying. J. H. Goldman. 2,084,582; June 22.
Boiler stand. W. Z. Davis. 2,084,481; June 22.
Bolster pin holder. F. J. Rode. 2,084,456; June 22.
Box; *See*—
Game box.
Box construction, Cardboard. E. Wolf. 2,084,965; June 22.
Bracket; *See*—
Corner bracket. Sign and marker bracket.
Glare shield bracket.
Brake; *See*—
Coaster brake. Locomotive driver brake.
Fluid pressure brake. Magnetic track brake.
Brake. A. Y. Dodge. 2,084,388; June 22.
Brake. J. S. Irving. 2,084,972; June 22.
Brake. L. E. La Brie. 2,084,400; June 22.
Brake. L. E. La Brie. 2,084,401; June 22.
Brake. J. W. Tatter. 2,084,416; June 22.
Brake control valve. E. E. Hewitt. 2,084,684; June 22.
Brake device, Electric. J. B. Grosswege and J. Canetta. 2,084,680; June 22.
Brake drums, Forming. F. H. Lejeune. 2,084,814; June 22.
Brake fluid. E. B. Millard. 2,084,404; June 22.
Brake holding ring. A. Scaison. 2,084,508; June 22.
Brake valve. H. M. Robinson. 2,084,707; June 22.
Brake valve device. C. C. Farmer. 2,084,675; June 22.
Brakes, Apparatus for testing. R. W. Allen. 2,084,547; June 22.
Brooder. J. Blaschke. 2,084,832; June 22.
Brush for cleaning boiler and other tubes. L. J. Spruzzola. 2,084,360; June 22.
Buckle. F. A. Schaefer. 2,084,412; June 22.
Bulb holder for flashlights. G. C. Fullmer. 2,084,767; June 22.
Bus bar supporting means in bus duct. W. H. Frank. 2,084,580; June 22.
Button lock. S. W. Reynolds. 2,084,745; June 22.
Buttons, Making. N. O. Broderson. 2,084,427; June 22.
Cabin and window structure. F. R. Canney. 2,084,790; June 22.
Cable, Flexible armored electric. G. A. Johnson. 2,084,616; June 22.
Calculating and typewriting machine, Combined. A. Kottmann. 2,084,445; June 22.
Calculating machine. A. Baumann and C. P. Horlacher. 2,084,831; June 22.
Camera film guiding mechanism. H. Becker. 2,084,473; June 22.
Cap, Bubble. H. S. Duey. 2,084,726; June 22.
Cap, Closure. G. H. White. 2,084,568; June 22.
Cap, Container. J. N. Landau. 2,084,529; June 22.
Car construction, Passenger. A. T. Browne and C. O. Guernsey. 2,084,835; June 22.
Car underframe, Railway. W. H. Meyer and E. C. Jackson. 2,084,859; June 22.
Carbon dioxide, Production of solid. G. Maiuri. 2,084,402-3; June 22.
Carbonaceous material, Distillation of. H. J. Holford. 2,084,491; June 22.
Carburetor. F. O. and T. M. Ball. 2,084,306; June 22.
Carburetor. M. J. B. Barbarou. 2,084,377; June 22.
Carburetor. H. W. Hess. 2,084,489; June 22.
Carburetor for internal combustion engines. R. B. Hartsough. 2,084,340; June 22.
Card, Statistical. W. W. Lasker, Jr. 2,084,848; June 22.
Carton for glass syringes. H. T. Smith. 2,084,540; June 22.
Catalysts, Hydrogen production. J. K. Small. 2,084,511; June 22.
Catalytic and other contact mass reactions, Process of and apparatus for controlling. T. B. Prickett. 2,084,357; June 22.
Cellulose acetates, Manufacture of highly acetylated. E. Berl. 2,084,833; June 22.
Centrifugal switch. R. W. Groot. 2,084,907; June 22.
Chair; *See*—
Child's high chair.
Chair. A. R. Schwarzkopf. 2,084,871; June 22.
Chassis, Automobile. S. Jencick. 2,084,809; June 22.

Chickens and other birds and animal flesh, Preparation, cooking, and canning of. W. R. C. Ashby. 2,084,721; June 22.
Child's high chair. D. Merchant. 2,084,448; June 22.
Choke for carburetors, Automatic. G. M. Bicknell. 2,084,607; June 22.
Chopper, Food. G. C. Staats. 2,084,924; June 22.
Cigarette holder. A. Jefferis. 2,084,343; June 22.
Cigarette holder. F. F. Wenzel. 2,084,930; June 22.
Circuit, Automatic fidelity control. R. A. Braden. 2,084,379; June 22.
Circuit breaker, Electric. J. Biermanns. 2,084,885-6; June 22.
Circuit breaker, Electric. C. Bresson. 2,084,936; June 22.
Circuit controlling apparatus. F. O. Cole. 2,084,628; June 22.
Circuit controlling system. A. Uhde. 2,084,877; June 22.
Circuit interrupter. J. Slepian. 2,084,979; June 22.
Circuit, Telephone transmission. S. B. Wright. 2,084,422; June 22.
Circuits, Control and protection of electric. O. C. Traver. 2,084,876; June 22.
Clasp, Novelty tie. R. J. Manker. 2,084,738; June 22.
Cleaner; *See*—
Comb cleaner.
Clip for molding strips, Attaching. W. R. Wiley. 2,084,717; June 22.
Closure, Bottle. C. J. Jesnig. 2,084,344; June 22.
Closure, Tube. G. F. Seashore. 2,084,872; June 22.
Cloth, Apparatus for treating. H. A. Woodhead. 2,084,367; June 22.
Clothes drier. E. McCarthy. 2,084,854; June 22.
Clutch operating mechanism. E. F. Dickieson, Jr. 2,084,387; June 22.
Clutch release mechanism. C. S. Bragg and V. W. Kliesrath. 2,084,380; June 22.
Clutching and speed-changing gear. J. Cotal. 2,084,522; June 22.
Coaster brake. A. Scaison. 2,084,507; June 22.
Coating composition, Preparation of. E. D. Flood and J. A. Hannum. 2,084,486; June 22.
Coffee extract, Producing. E. F. Dubois. 2,084,839; June 22.
Coffee maker filter. F. Stocker. 2,084,602; June 22.
Coin or slug selector device or attachment. W. M. Christopher. 2,084,943; June 22.
Collapsible olla cover. M. D. Battye. 2,084,423; June 22.
Collars to paper containers, Process and apparatus for securing reenforcing. H. G. Perkins. 2,084,451; June 22.
Color calibration machine. F. A. Rogers. 2,084,598; June 22.
Colorimeter. A. Schmidt. 2,084,538; June 22.
Comb cleaner. S. True. 2,084,603; June 22.
Composition for use in hydrogenating and preparing and utilizing same. H. B. Jespersen. 2,084,687; June 22.
Compressor. E. A. Stalker. 2,084,462; June 22.
Compressor unloading device. B. S. Aikman. 2,084,665; June 22.
Concrete pipe joint. B. J. Ukropina. 2,084,466; June 22.
Condensate eliminating means for silencers. F. E. Deremer. 2,084,435; June 22.
Conditioning machine for absorptive sheet materials. R. L. Sjostrom. 2,084,459; June 22.
Conduit coupler closure means. E. J. Fraser. 2,084,842; June 22.
Conduit, Filter bed drainage. G. E. Luce. 2,084,351; June 22.
Connecter; *See*—
Duplex connecter.
Connecting device. L. Mollet. 2,084,698; June 22.
Container and toy, Stationery. L. J. Behr. 2,084,308; June 22.
Container-duster for insecticide powder. E. B. Hunn. 2,084,493; June 22.
Container valve. H. T. Rice and M. E. Seidner. 2,084,596; June 22.
Control apparatus. W. A. Ray. 2,084,654; June 22.
Control apparatus for heating systems. G. H. Wotring. 2,084,880; June 22.
Control for throttle valves, Hydraulic. J. H. Wynn. 2,084,368; June 22.
Control valve. W. Hildebrandt. 2,084,397; June 22.
Conveyer block system. K. R. Weise. 2,084,879; June 22.
Cooking receptacle. J. D. Ferry. 2,084,729; June 22.
Cooling system for internal combustion engines. W. Caldwell. 2,084,940; June 22.
Cord holding attachment. J. D. Gibson. 2,084,953; June 22.
Corner bracket. A. R. Anderson. 2,084,758; June 22.
Corset stay and corset closure. W. Pickens. 2,084,593; June 22.
Cotton batting. R. S. Dwight. 2,084,796; June 22.
Counter drive mechanism. M. M. Hennessy. 2,084,396; June 22.
Coupling. D. T. Bradley. 2,084,761; June 22.
Coupling for hose and like piping. D. Catley. 2,084,431; June 22.
Cover; *See*—
Collapsible olla cover.
Cover attaching means. N. A. Tornblom. 2,084,541; June 22.
Creeper. R. O. Hulbert. 2,084,957; June 22.
Current measurements with the aid of measuring rectifiers, Arrangement for carrying out alternating. W. Geyger. 2,084,678; June 22.
Curtain drying and stretching rack. N. J. Wagstaff. 2,084,661; June 22.
Custard filling, Preparing. I. H. Hall. 2,084,640; June 22.
Cutter; *See*—
Jelly cutter. Pipe cutter.
Cutter and accumulating roll therefor, Fodder. V. Matejcik. 2,084,447; June 22.
Cutting machine. J. L. Drake and E. A. Rosin. 2,084,576; June 22.
Cutting machine. H. J. Heller. 2,084,488; June 22.
Cylinders, Apparatus for coating printing. C. L. Henderson. 2,084,642; June 22.
Deflation indicator switch. F. L. Byron. 2,084,939; June 22.
Dehairing method. H. H. McKee and K. Muir. 2,084,857; June 22.
Deodorizer. E. M. Davis. 2,084,894; June 22.
Detergents and wetting agents from petroleum oils and products thereof, Preparing improved. R. Rosen. 2,084,506; June 22.
Device for washing cooking utensils, dishes, and the like. E. L. Pohl. 2,084,704; June 22.
Dial structure. W. I. Carpenter. 2,084,942; June 22.
Dimensional effects with a single image, System and method for securing third. H. P. Donle. 2,084,795; June 22.
Dipping mechanism for battery grids. J. Chernof. 2,084,608; June 22.
Discharge elements in powder guns. W. H. Rose. 2,084,504; June 22.
Discharge system, Gaseous. C. J. R. H. von Wedel. 2,084,750; June 22.
Discharge tube, Gas-filled. W. Dällenbach. 2,084,725; June 22.
Disk plow, Reversible. A. R. Coviello. 2,084,629; June 22.
Display device. C. Friedrich and H. P. Wareham, Jr. 2,084,635; June 22.
Display device. E. Macaulay. 2,084,855; June 22.
Display device. R. E. Paige. 2,084,820; June 22.
Distiller and filter, Combined. R. E. Johnson. 2,084,688; June 22.
Distributing valve. B. G. Carlson. 2,084,477; June 22.
Door construction, Automobile. J. W. Sparkman. 2,084,600; June 22.
Door construction, Revolving. J. W. Shields. 2,084,781; June 22.
Door, Garage. J. G. Guertin. 2,084,615; June 22.
Door safety device. H. A. Gerken. 2,084,677; June 22.
Door ventilator, Automobile. D. L. Chandler. 2,084,763; June 22.
Dough mixer construction. E. S. Mason and W. G. Kirchhoff. 2,084,773; June 22.
Drainage screen. L. W. Watson and O. B. Ackerly, Jr. 2,084,753; June 22.
Dress, Diving. E. R. Clifford. 2,084,520; June 22.
Drier; *See*—
Clothes drier.
Drill; *See*—
Well drill.
Drill post. A. M. Staten. 2,084,925; June 22.
Drinking and similar tube. O. W. Dieffenbach. 2,084,673; June 22.
Driving connection for oil burners, Flexible. R. M. Sherman. 2,084,709; June 22.
Driving mechanism. F. Linder. 2,084,815; June 22.
Drum apparatus for desiccating liquids and semiliquids, Heated. W. Sasse and E. Schneider. 2,084,537; June 22.
Duplex connecter. C. G. Bondeson. 2,084,961; June 22.
Duplicating machine. F. M. Houshalter and F. O. Weisman. 2,084,583; June 22.
Dyestuffs and making same, Indigoid. E. Stöcklin and E. Kambli. 2,074,712; June 22.
Dyestuffs, Azo. J. Gyr and O. Kaiser. 2,084,731; June 22.
Dyestuffs of the anthracene series, Preparing. J. Haller. 2,084,641; June 22.
Dynamo and dynamo installation. A. V. E. C. Guilbert. 2,084,527; June 22.
Earth mover. J. F. Knapp. 2,084,690; June 22.
Easel, Enlarging. V. P. Clear. 2,084,432; June 22.
Echo sounding apparatus. E. L. Holmes. 2,084,845; June 22.
Edge-turning machine. H. J. Heller. 2,084,395; June 22.
Electric discharge device, Gaseous. C. J. R. H. von Wedel. 2,084,751; June 22.
Electric fuel pump. E. F. Webb. 2,084,605; June 22.
Electric generator, Portable. A. C. Engelheart. 2,084,612; June 22.
Electric heater. P. E. Ashton. 2,084,966; June 22.
Electric motor. W. J. O'Leary. 2,084,590; June 22.
Electric switch gear. C. H. Hill. 2,084,910; June 22.
Electric system. H. Geise. 2,084,904; June 22.
Electric totalizator. L. M. Simpson. 2,084,414; June 22.
Electrical apparatus. G. B. Sears. 2,084,657; June 22.
Electrical distribution, System of. M. A. Edwards. 2,082,899; June 22.

Electrical distribution, System of. M. A. Edwards and G. A. Kane. 2,084,900; June 22.
Electrical distribution, System of. A. Schmidt, Jr. 2,084,870; June 22.
Electrical resistance and heater element. B. H. N. H. Hamilton. 2,084,556; June 22.
Electron discharge device. R. U. Clark. 2,084,478; June 22.
Electron discharge device. W. L. Krahl. 2,084,734; June 22.
Electron discharge device and circuit. C. H. Brown. 2,084,476; June 22.
Electron discharge device, Light sensitive. F. M. Penning and M. C. Teves. 2,084,865; June 22.
Electron discharge device, Magnetically biased. D. Prinz and F. Herriger. 2,084,867; June 22.
Elevator structure. P. J. P. Schrag and J. J. Schrag. 2,084,920; June 22.
Engine: *See*—
Gas engine. Rotary engine.
Internal combustion engine.
Engine starting mechanism. R. P. Lansing. 2,084,813; June 22.
Exposure meter, Photoelectric. H. Küppenbender. 2,084,769; June 22.
Eyeshield for welding devices. A. Grün. 2,084,681; June 22.
Fabric and product thereof, Treating. H. Platt. 2,084,410; June 22.
Fabric, Method of and mechanism for knitting the same. Rib. R. H. Lawson and W. L. Smith, Jr. 2,084,914; June 22.
Fan. S. S. Rathbun. 2,084,744; June 22.
Fastener: *See*—
Panel fastener. Turn-button fastener.
Slide fastener.
Fastener. B. C. Place. 2,084,624; June 22.
Fastener member, Snap. W. I. Jones. 2,084,559; June 22.
Fastener secured installation and snap fastener for the same. E. C. Dowse. 2,084,554; June 22.
Fastening and detecting means for valves and the like. F. O. Paige, Jr. 2,084,963; June 22.
Fastening structure, Combined. G. A. Tinnerman. 2,084,926; June 22.
Feet and handle provisions for appliance bases. E. S. Preston. 2,084,595; June 22.
Felt, Drier. J. E. Hooper. 2,084,490; June 22.
Filter: *See*—
Coffee maker filter.
Filter circuit. L. J. McKesson. 2,084,740; June 22.
Filter, strainer, and the like. F. O. L. Chorlton. 2,084,433; June 22.
Fire escape. G. A. Applegarth. 2,084,303; June 22.
Fire extinguisher. K. Hanley and L. Bennett. 2,084,339; June 22.
Fire extinguishing apparatus. S. E. Allen. 2,084,719; June 22.
Firing device. L. E. White. 2,084,363; June 22.
Flange coupling arrangement. A. Moser. 2,084,862; June 22.
Floor and ceiling support. H. E. Marks. 2,084,853; June 22.
Floor and column construction, Steel. A. MacMillan. 2,084,649; June 22.
Floor construction, Steel. A. MacMillan. 2,084,648; June 22.
Flotation reagent. H. B. Sioms. 2,084,413; June 22.
Fluid composition. G. L. Doelling. 2,084,482; June 22.
Fluid compressor. B. S. Aikman. 2,084,664; June 22.
Fluid compressor. P. L. Crittenden. 2,084,670; June 22.
Fluid distribution and regulation. J. Bijur. 2,084,315; June 22.
Fluid pressure brake. J. N. Good. 2,084,679; June 22.
Fluid pressure brake. G. T. McClure and E. R. Fitch. 2,084,695; June 22.
Fluid pressure brake. J. C. McClune. 2,084,696; June 22.
Fluid pressure gauge. R. J. S. Pigott. 2,084,623; June 22.
Fluid under pressure other fluid or powdered bodies, Apparatus for incorporating to a stream of. M. P. J. Guenot. 2,084,682; June 22.
Fluids, Heating of. M. W. Barnes. 2,084,307; June 22.
Fodder, Preserving green. R. G. Ferris. 2,084,797; June 22.
Foot appliance. H. T. Krakau. 2,084,735; June 22.
Frame: *See*—
Quilting frame.
Frame for spring seats. M. Breuer. 2,084,310; June 22.
Frame member, Rear. B. J. Anderson. 2,084,374; June 22.
Frequency control, Automatic. W. A. MacDonald. 2,084,647; June 22.
Fruit, Preserving preliminarily dried. K. Hessel. 2,084,956; June 22.
Fuel, Apparatus for burning liquid. R. M. Sherman. 2,084,708; June 22.
Fuel cut-off. R. G. Berry. 2,084,426; June 22.
Fuel product, Motor. T. H. Rogers and V. Voorhees. 2,084,977; June 22.
Furnace: *See*—
Steam boiler furnace. Warm air furnace.
Fuse. S. I. Lindell. 2,084,495; June 22.
Game apparatus. F. K. Maitland. 2,084,497; June 22.
Game apparatus, Amusement. B. Radtke. 2,084,452; June 22.
Game box. M. Klep. 2,084,912; June 22.
Game, Football. T. J. and D. G. Hamilton and C. W. Wood. 2,084,802; June 22.
Garments, Apparatus for pressing. T. Crocella. 2,084,765; June 22.
Gas analyzing process. R. G. Griswold. 2,084,954; June 22.
Gas engine. E. M. Tucker. 2,084,604; June 22.
Gas, Manufacturing water. E. L. Tornquist. 2,084,749; June 22.
Gas producer. R. S. Lange. 2,084,530; June 22.
Gaseous mixtures, Resolution of. M. Frankl. 2,084,334; June 22.
Gasoline containing mercaptans, Refining. C. A. Day, Jr. 2,084,575; June 22.
Gasoline distributing system. K. T. Bennett. 2,084,548; June 22.
Gauge: *See*—
Fluid pressure gauge.
Gear: *See*—
Clutching and speed-changing gear. Electric switch gear.
Switch gear.
Generator: *See*—
Electric generator.
Glare shield bracket. R. C. Jacobs. 2,084,584; June 22.
Glass batch and process of making. H. P. Eells, Jr., and H. N. Barrett. 2,084,328; June 22.
Glass mold. C. J. and H. J. Dockray. 2,084,794; June 22.
Glass of low melting-point, Opaque lead. J. E. Rosenberg. 2,084,747; June 22.
Glove, Golfer's. L. C. Bush. 2,084,428; June 22.
Goggle, Protective. J. B. Dym. 2,084,897; June 22.
Gold, Recovering. O. Haraldson. 2,084,487; June 22.
Grease manufacture. G. Kaufman. 2,084,974; June 22.
Greases, Production of solid. M. Otto and M. Mueller-Cunradi. 2,084,500; June 22.
Grinder, Valve. W. E. Jessop. 2,084,959; June 22.
Grinding wheel. A. P. Beebe. 2,084,789; June 22.
Grip for golf clubs. A. Pardoe. 2,084,591; June 22.
Grounding device, Abrasion resistant. H. J. Crawford. 2,084,523; June 22.
Guard, Fence. E. A. Love. 2,084,619; June 22.
Guard, Thermometer. C. P. Zumwalt. 2,084,370; June 22.
Guide, Chimney corner. F. B. Gabriel. 2,084,798; June 22.
Gun with removable discharge tube, Spray. W. H. Rose. 2,084,505; June 22.
Halogenated anthraquinone compounds. W. Dettwyler. 2,084,970; June 22.
Hams, Manufacture of. W. W. Hubenet. 2,084,806; June 22.
Hanger. P. Tuppan. 2,084,565; June 22.
Heat exchanger. E. A. Dewald. 2,084,324; June 22.
Heat exchanger. J. P. Rathbun. 2,084,743; June 22.
Heater: *See*—
Electric heater.
Heating method, Home. H. B. Oakleaf. 2,084,535; June 22.
Heating system. C. G. Bordeaux. 2,084,571; June 22.
Heating unit, Thermoradiant. E. F. Wach. 2,084,468; June 22.
Heel-seat fitting machine. G. Hazelton. 2,084,557; June 22.
Hogs, Dehairing. H. H. McKee and K. Muir. 2,084,856; June 22.
Hoist, Hydraulic. W. C. Anthony. 2,084,376; June 22.
Holder: *See*—
Bolster pin holder. Tie holder.
Cigarette holder.
Hollow bodies, Repairing. C. Field. 2,084,952; June 22.
Hook: *See*—
Switch hook. Torpedo placement hook.
Horn support. S. G. Down. 2,084,674; June 22.
Horseshoe. E. H. Langlois. 2,084,812; June 12.
Hot plate, Electric. J. D. Morgan and R. E. Lowe. 2,084,819; June 22.
Humidifying system. P. L. Scott. 2,084,563; June 22.
Humidity control system. L. W. Tuttle and G. W. Warrick. 2,084,514; June 22.
Hydration products of olefines, Manufacture of. H. Dreyfus. 2,084,390; June 22.
Hydraulic machine. A. Young. 2,084,369; June 22.
Hydraulic testing machine. F. W. Preston. 2,084,653; June 22.
Hydrocarbon products, Valuable. M. Otto and M. Mueller-Cunradi. 2,084,501; June 22.
Hydrocarbons, Compression of fluorinated. F. B. Downing and A. F. Benning. 2,084,950; June 22.
Hydrocarbons, Oxidation of polynuclear aromatic. L. P. Chebotar and R. N. Wallach. 2,084,382; June 22.
Hydrocarbons, Process and product for the stabilizing of unsaturated. C. P. Wilson, Jr. 2,084,754; June 22.
Index frame arrangement. J. H. Rand. 2,084,453; June 22.
Index frame assembly. J. H. Rand. 2,084,454; June 22.
Indexing device for data on a circulating band. A. Eberhardt. 2,084,728; June 22.
Indicating and control apparatus. J. Gartner. 2,084,800; June 22.

Indicator for telescopes, Distance. C. F. Drew, Jr. 2,084,577; June 22.
Inflator for vehicle wheel tires, Automatic. N. D. Campbell. 2,084,381; June 22.
Ink and tabulator system, Conductive. W. W. Lasker, Jr. 2,084,849; June 22.
Insert for shoes, Pneumatic. H. Vogel. 2,084,517; June 22.
Interlocking control apparatus. C. W. Bell. 2,084,425; June 22.
Internal combustion engine. B. Walker and H. E. Kennedy. 2,084,752; June 22.
Internal combustion engine, Rotary. W. Sopher. 2,084,923; June 22.
Ironing machine. C. E. Clement. 2,084,383; June 22.
Isatin-6-halides halogenated in the nucleus, Manufacture of. E. Kambli. 2,084,528; June 22.
Jelly cutter. A. J. Beck. 2,084,570; June 22.
Kiln, Rotary. H. C. Thayer. 2,084,713; June 22.
Kit, Sewing. J. J. Sanders. 2,084,780; June 22.
Knitting machine. A. Graenz. 2,084,905; June 22.
Knitting machine, Flat. J. Haines, Jr. 2,084,732; June 22.
Labeling machine. H. W. Slade. 2,084,962; June 22.
Lamp: *See*—
Sodium vapor lamp.
Lamp electrode and manufacture, Glow. P. J. Kayatt. 2,084,911; June 22.
Layboy, Continuous automatic. R. P. Price. 2,084,741; June 22.
Leaf holder device. S. M. Del Camp. 2,084,552; June 22.
Leaf, Photograph album. N. Edwards. 2,084,579; June 22.
Line justification. R. E. Paris. 2,084,450; June 22.
Liner. G. H. Graham. 2,084,906; June 22.
Liner assembling device. P. W. Dempsey. 2,084,672; June 22.
Liquid dispensing apparatus. R. E. Risser. 2,084,597; June 22.
Liquid separation method and apparatus. J. F. Hunter. 2,084,958; June 22.
Liquid treating apparatus. R. F. Goecke. 2,084,614; June 22.
Liquids, Dehydrating organic. T. Wallis and O. Falek. 2,084,419; June 22.
Lock: *See*—
Button lock.
Locomotive construction. L. P. Michael and W. O. Ashe. 2,084,861; June 22.
Locomotive driver brake. C. M. Wageley. 2,084,660; June 22.
Locomotive structure. L. P. Michael and W. O. Ashe. 2,084,860; June 22.
Log, Gas. J. R. Warfield. 2,084,566; June 22.
Loom: *See*—
Shuttle changing loom.
Loom stopping mechanism. C. D. Brown. 2,084,550; June 22.
Loud speaker. L. B. Cornwell. 2,084,945; June 22.
Lubricants to yarn, Apparatus for applying. J. B. Johnson and L. L. Cobb. 2,084,960; June 22.
Lubricating and insulating compound. P. J. Wiezevich. 2,084,472; June 22.
Lubrication. J. Bijur. 2,084,316; June 22.
Machine for operating upon soles. N. H. Kowlton. 2,084,348; June 22.
Machine for packing zigzag interfolded paper leaves in cardboard covers. F. Lerner. 2,084,533; June 22.
Machine for producing justified lines of printing types. J. Schneider. 2,084,539; June 22.
Machine for the gluing together of the edges of veneer sheets. A. Friz. 2,084,676; June 22.
Machine for wrapping and boxing articles. J. Van Buren. 2,084,515; June 22.
Magnesia insulation and making same. L. B. Miller. 2,084,588; June 22.
Magnetic material and method of manufacture. N. P. Goss. 2,084,336; June 22.
Magnetic material, Method of rolling. N. P. Goss. Goss. 2,084,337; June 22.
Magnetic track brake. B. S. Aikman. 2,084,666; June 22.
Marcel machine, Electric. B. Engele. 2,084,951; June 22.
Mat board handling machine. O. R. Sweeney. 2,084,980; June 22.
Match packets, Making. R. S. Pullen. 2,084,706; June 22.
Material, Apparatus for rolling flat sheet-like. R. J. Wean. 2,084,469; June 22.
Material, Mechanism for cutting sheet. C. R. Babb. 2,084,967; June 22.
Materials, Apparatus for sacking. G. O. Smith. 2,084,711; June 22.
Materials, Conveying bulk. E. J. L. F. Constantin. 2,084,764; June 22.
Materials, Making wear resisting. C. A. Laise. 2,084,349; June 22.
Materials, Production of artificial. H. Dreyfus. 2,084,389; June 22.
Meat curing method. L. S. Paddock. 2,084,864; June 22.
Metal cleaning compositions. B. M. Vanderbilt. 2,084,361; June 22.
Metal radio tube. G. F. Metcalf. 2,084,858; June 22.
Metals, Art of refining. M. F. W. Heberlein. 2,084,394; June 22.
Metallurgical process and apparatus. E. A. Barnard and H. J. Maguire. 2,084,830; June 22.
Meter: *See*—
Alternating current meter. Photoelectric exposure meter. Exposure meter.
Meter. E. H. Brayer. 2,084,317; June 22.
Meter support. R. W. Grace. 2,084,438; June 22.
Meter system. R. Pudelko. 2,084,742; June 22.
Mill: *See*—
Pipe or tube mill.
Mixing valve. F. N. Beede. 2,084,378; June 22.
Moccasins, Method of and means for use in lasting. R. E. Duplessis. 2,084,326; June 22.
Mold: *See*—
Glass mold.
Monorail track support. De C. Dunlap. 2,084,610; June 22.
Monument. H. B. Compton. 2,084,521; June 22.
Motor: *See*—
Electric motor.
Motor compressor. R. Pateras Pescara. 2,084,823; June 22.
Motor construction. C. J. Coberly. 2,084,479; June 22.
Mounting for photo-copy machines, Lamp. J. J. Johnson. 2,084,643; June 22.
Mower, Lawn. H. J. Couture. 2,084,946; June 22.
Neutralizing apparatus. W. H. Chapman. 2,084,968; June 22.
Nipple protector. H. Karl. 2,084,689; June 22.
Nozzles, Making glass. A. W. Keen. 2,084,811; June 22.
Objects to predetermined positions, Turning rotatable. Le R. J. Leishman. 2,084,851; June 22.
Oil and preparing the same, Steam cylinder. A. Lazar and J. V. Crenna. 2,084,531; June 22.
Oil, Lubricating. L. Liberthson. 2,084,352; June 22.
Oil, Lubricating. C. C. Swoope and M. M. Sadlon. 2,084,512; June 22.
Oil, Preparing steam cylinder. A. Lazar and J. V. Crenna. 2,084,532; June 22.
Oil pump. A. Kosian. 2,084,444; June 22.
Oils, Conversion and coking of hydrocarbon. J. G. Alther. 2,084,304; June 22.
Oils, Decolorizing and imparting bloom to lubricating. J. C. Showalter. 2,084,510; June 22.
Oils, Treatment of hydrocarbon. W. F. Houghton. 2,084,342; June 22.
Oils with selective solvents, Treating lubricating. J. M. Whitely, Jr. 2,084,471; June 22.
Opener, Garage door. W. T. Kahliff. 2,084,733; June 22.
Ornamenting machine. B. W. Freeman. 2,084,335; June 22.
Packer. C. S. Crickmer. 2,084,611; June 22.
Packing arrangement. B. Hoffmann. 2,084,909; June 22.
Panel fastener. C. C. Wilson. 2,084,544; June 22.
Paper feeding mechanism. F. Campos. 2,084,318; June 22.
Paper feeding mechanism for accounting machines. W. A. Anderson. 2,084,519; June 22.
Paper manufacture. H. R. Rafton. 2,084,358; June 22.
Paper retainer for trays. C. E. Peterson. 2,084,409; June 22.
Paper tacking strip. L. F. Barnum. 2,084,759; June 22.
Pedal construction. B. J. Anderson. 2,084,373; June 22.
Pencil. J. P. Lynn. 2,084,646; June 22.
Perforating machine. S. E. Rosenberg. 2,084,869; June 22.
Perforating machine, Automatic. L. M. Keefe. 2,084,347; June 22.
Perforator for printing presses. P. W. Cowan. 2,084,573; June 22.
Perforator for printing presses. A. E. Unruh. 2,084,518; June 22.
Photoelectric exposure meter. H. Küppenbender. 2,084,618; June 22.
Photographic lens system. L. Bertele. 2,084,309; June 22.
Photographic material. W. Dieterle. 2,084,436; June 22.
Photographic objective, Unsymmetrical. A. W. Tronnier. 2,084,714; June 22.
Picture machine, Animated motion. J. M. Storey and P. E. Smith. 2,084,782; June 22.
Pictures, Manufacture of photographic. E. Weyde. 2,084,420; June 22.
Pictures, Printing multicolored. J. G. McNett. 2,084,353; June 22.
Pipe cutter, Inside. R. D. Brannon and H. G. Moore. 2,084,606; June 22.
Pipe or tube mill, Seamless. S. Findlater. 2,084,330 1; June 22.
Pistol grip, Deep sea rod. J. D. Williams. 2,084,931; June 22.
Piston. G. O. Britt. 2,084,834; June 22.
Piston. A. L. Dorrell. 2,084,949; June 22.
Piston and piston rod assembly. L. S. Hamer. 2,084,439; June 22.
Piston ring expander. R. R. Teetor. 2,084,828; June 22.
Piston ring testing device. E. E. Hewitt. 2,084,683; June 22.

Plastic and coating compositions. J. W. C. Crawford. 2,084,386; June 22.
Plastic material, Seasoning of. B. Andersen and E. A. Grenquist. 2,084,372; June 22.
Plastic substance and its manufacture, Luminous. J. P. Grenier. 2,084,526; June 22.
Pliers, Adjustable. C. A. Ericsson. 2,084,633; June 22.
Polymerization process. G. M. Knettel. 2,084,399; June 22.
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Power, Hydraulic transmission of. M. Astafiev. 2,084,312; June 22.
Power transmission device. A. T. Harris. 2,084,843 4; June 22.
Power transmission means. R. N. Bennett. 2,084,887; June 22.
Power transmission, Motor vehicle. W. T. Dunn and A. J. Syrovy. 2,084,578; June 22.
Power transmission, Motor vehicle. H. F. Patterson. 2,084,592; June 22.
Preparation of hyposulfites. W. Mecklenberg and A. Wurbs. 2,084,651; June 22.
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Press inking device. C. T. Walter. 2,084,418; June 22.
Printing machine, Multiple color flock. S. M. Schwartz and E. J. Tetny. 2,084,827; June 22.
Printing plate. P. R. L. Hogner. 2,084,685; June 22.
Printing press. F. W. Seybold. 2,084,783; June 22.
Program selector for radio sets, Time controlled. L. Y. Huffaker. 2,084,443; June 22.
Propeller shaft variable pitch control. H. E. Roberts. 2,084,655; June 22.
Propelling mechanism. E. Corradino and J. A. Verardo. 2,084,321; June 22.
Protective arrangement. C. H. Black. 2,084,888; June 22.
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Protector for shoes, Elastic. L. C. De Cuir. 2,084,948; June 22.
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  Oil pump.
Pump, compressor, engine, and the like, Rotary. M. R. Hutchison, Jr. 2,084,846; June 22.
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Radiator, Automatic air conditioning. E. L. F. Weber. 2,084,365; June 22.
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Radio spectography, System for. H. H. Beverage. 2,084,760; June 22.
Radio tuning arrangement. A. A. Linsell. 2,084,586; June 22.
Railway snubbing device. E. G. Goodwin. 2,084,637; June 22.
Rake. C. H. Dennis. 2,084,434; June 22.
Range-tracer projectile. S. F. Woodbury. 2,084,366; June 22.
Reamer. E. L. Magnus. 2,084,737; June 22.
Receptacle: *See*—
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Receptacle for liquids. R. John. 2,084,973; June 22.
Refectory table. W. P. Now. 2,084,786; June 22.
Reflector, Composite. J. D. Edwards. 2,084,327; June 22.
Refrigerant distributor. H. S. Young, Jr. 2,084,755; June 22.
Refrigerating apparatus. L. W. Atchison. 2,084,883; June 22.
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Resinous composition and the manufacture thereof. D. E. Strain. 2,084,415; June 22.
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Restraining device. E. D. Bach. 2,084,305; June 22.
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Rolling, forming, and welding, Apparatus and method for. J. L. Anderson. 2,084,875; June 22.
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Rotary disk bit. J. H. Howard and C. Catland. 2,084,442; June 22.
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Rubber articles from aqueous dispersions of rubber, Making extruded. U. Postalozza. 2,084,702; June 22.
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Salts, Diazonium. G. Bonhôtes and A. Wirz. 2,084,934; June 22.
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Sewing machine, Rug and carpet binding. H. M. Paternayan. 2,084,821; June 22.
Sharpener, Lawn mower. C. R. Carris. 2,084,799; June 22.
Sheet material, Method and apparatus for laying. J. D. Stebbins and F. W. Yeager. 2,084,625; June 22.
Sheeting, Noncohering transparent. N. F. Beach. 2,084,313; June 22.
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Shoe and making same. E. Quinn. 2,084,868; June 22.
Shoe and making same. H. L. Sutcliffe. 2,084,874; June 22.
Shoe parts, Method of and apparatus for. P. H. Dixon. 2,084,553; June 22.
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Sign flashing device. T. J. Mudon. 2,084,407; June 22.
Signal device, Reflecting. H. J. Sauer. 2,084,599; June 22.
Signal system. F. W. Frink. 2,084,903; June 22.
Silicate ores and/or the like, Treatment of. C. Deguide. 2,084,630; June 22.
Silk, Treatment of artificial. J. W. Lubberhuizen. 2,084,916; June 22.
Slack adjuster, Automatic. F. G. Williamson. 2,084,662; June 22.
Slicing machine. L. Skliris. 2,084,921; June 22.
Slide fastener. V. Newman. 2,084,499; June 22.
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Soap and glycerine, Manufacturing. H. W. F. Lorenz. 2,084,446; June 22.
Soap gels and making same, Hydrogenated naphtha. C. Ellis. 2,084,632; June 22.
Soap, Naphtha soluble. T. R. Donlan. 2,084,483; June 22.
Sodium vapor lamp. J. W. Marden. 2,084,772; June 22.
Solder, Silver. H. Turner. 2,084,928; June 22.
Sorting machine. W. W. Lasker. 2,084,850; June 22.
Sound and picture reproducing apparatus for advertising purposes. W. C. Hyde. 2,084,808; June 22.
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Speed transmission device, Variable. J. A. Pinaud. 2,084,703; June 22.
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Spinning ring. G. F. Albrecht. 2,084,756; June 22.
Spraying device. E. C. Norris. 2,084,621; June 22.
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Steering-wheel drive for power vehicles. R. Bussien. 2,084,429; June 22.
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Stomper, Automatic meat. S. S. Rosenbaum. 2,084,359; June 22.
Stop motion for roving frames, Electrical. E. D. Jones. 2,084,810; June 22.
Straightening machine for long stock. J. H. Roberts. 2,084,746; June 22.
Strainer. W. K. McFarlin. 2,084,587; June 22.
Strainer device. E. A. Owen. 2,084,652; June 22.
Strainer, Fluid. T. E. Haught. 2,084,955; June 22.
Strand covering machine, Knitted. W. Larkin. 2,084,770; June 22.
Stretcher, Shoe. J. J. Schiller. 2,084,748; June 22.
Strip doubler for strip mills. H. C. Poole and H. W. Moseley. 2,084,705; June 22.
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  Arch support. Meter support.
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Sweeper, Carpet. E. B. Poggensee. 2,084,777; June 22.
Switch: *See*—
  Centrifugal switch. Deflation indicator switch
Switch gear, Metal-clad electrical. D. R. Davies. 2,084,893; June 22.
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Table coal breaker, Oscillating. B. Norton. 2,084,622; June 22.
Table leg lock release, Folding. S. T. Reilly. 2,084,824; June 22.
Tape and making the same. P. Van Cleef. 2,084,878; June 22.
Television system. G. N. Ogloblinsky. 2,084,700; June 22.
Television system. V. K. Zworkyin. 2,084,364; June 22.
Telltale for automobile, headlights. J. L. Cabral. 2,084,627; June 22.
Tent. F. M. Powers. 2,084,778; June 22.
Tent frame construction. E. S. Eide. 2,084,524; June 22.
Tetrachlorethylene, Purification of. E. C. Britton, G. H. Coleman, and J. W. Zemba. 2,084,937; June 22.
Textile articles, Manufacturing. J. Van Puymbroeck. 2,084,516; June 22.
Textile skeins, Drying, conditioning, and winding from. H. J. Tyman. 2,084,829; June 22.
Therapeutic device. R. P. Little. 2,084,692; June 22.
Thermal conversions, Process of and apparatus for performing. A. F. Lèbre. 2,084,691; June 22.
Thermometers, Device for rotating. G. A. Thoren. 2,084,875; June 22.
Thread chasing mechanism for automatic lathes. R. Eckardt, E. Huth, F. Muller, and R. Rahm. 2,084,898; June 22.
Tie holder. J. F. Rogers. 2,084,503; June 22.
Tie rod for concrete forms. S. S. Colt. 2,084,384; June 22.
Timing relay for machine tools. R. A. Schafer. 2,084,562; June 22.
Titanium dioxide pigments, Preparing. W. K. Nelson. 2,084,917; June 22.
Titanium pigment composition and making same. L. W. Ryan and W. J. Cauwenberg. 2,084,826; June 22.
Toaster, Electric. J. C. Adams. 2,084,881; June 22.
Tool, Making a cutting. J. H. Howard and A. C. Catland. 2,084,441; June 22.
Tool spindle and arbor, Machine. P. P. G. Hall. 2,084,801; June 22.
Tooth brush. L. J. Stranse. 2,084,873; June 22.
Top lifts, Producing detachable. J. V. Critchley. 2,084,791; June 22.
Torpedo placement book. D. Baker. 2,084,722; June 22.
Tower, Fractionating. J. N. Garrison. 2,084,768; June 22.
Toy railroad track. G. A. Crane. 2,084,322; June 22.
Train brake equipment. J. W. Logan, Jr. 2,084,693; June 22.
Training apparatus. H. Heinis. 2,084,440; June 22.
Transmission mechanism, Accelerating. F. H. Stolp. 2,084,658; June 22.
Transmission system. L. Schott. 2,084,457; June 22.
Transmitter power control. W. Buschbeck, H. Prost, and F. Boettcher. 2,084,762; June 22.
Trap: *See*—
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Trolley base. C. I. Earll. 2,084,727; June 22.
Truck, Railway. R. R. Cease. 2,084,891; June 22.
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Tuft setting anchor and apparatus for forming and applying the same. C. Jobst. 2,084,345; June 22.
Turbine. C. F. Piper. 2,084,594; June 22.
Turbine structure. R. D. Booth, J. R. Cotlin, and A. J. Tigges. 2,084,474; June 22.
Turn-button fastener. G. A. Holmes. 2,084,558; June 22.
Typewriting machine. H. J. Hart. 2,084,803; June 22.
Undergarment. L. Curcio. 2,084,827; June 22.
Urea resins. H. L. Bender and H. A. Hoffman. 2,084,314; June 22.
Urinal. V. H. Anderson. 2,084,788; June 22.
Valve: *See*—
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  Brake valve. Mixing valve.
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Valve for rock drills. W. A. Smith, Sr. 2,084,564; June 22.
Valve protective system, Electric. H. Winograd. 2,084,545; June 22.
Varnish, Asphalt. A. M. Alvarado. 2,084,933; June 22.
Vehicle, Automotive. C. Breer. 2,084,572; June 22.
Vehicle control system, Motor. B. S. Aikman. 2,084,371; June 22.
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Vehicle, Self-loading refuse. P. Rottoé. 2,084,656; June 22.
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Ventilating an enclosed space, Method and apparatus for. M. V. Zaustinsky. 2,084,787; June 22.
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Ventilator construction. J. J. Foley. 2,084,613; June 22.
Ventilator for vehicles. E. J. Conley and H. J. Menzies. 2,084,385; June 22.
Viner. F. J. Bott. 2,084,935; June 22.
Voltage-controlling arrangement. R. Seidelbach. 2,084,509; June 22.
Voltage insulator, High. B. A. Plimpton. 2,084,866; June 22.
Waistband, Garment. P. Alexandre. 2,084,720; June 22.
Warm air furnace. A. W. Gearhart. 2,084,581; June 22.
Washing machine. P. E. Barker. 2,084,569; June 22.
Washtube, Manufacture of. F. M. Vogan. 2,084,467; June 22.
Water tilter system. W. H. Jones. 2,084,346; June 22.
Waterproof ventilator. C. M. Hamblin. 2,084,338; June 22.
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Wedge for concrete form ties. C. C. Tomkinson. 2,084,417; June 22.
Wedge snubbing device. E. G. Goodwin. 2,084,638; June 22.
Welding, Apparatus for. H. G. Blevins. 2,084,889; June 22.
Well drill. J. C. Wright. 2,084,421; June 22.
Well reamer. A. C. Catland. 2,084,430; June 22.
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Wheel: *See*—
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Wood grains and the like, Reproducing and printing. V. DeMaria and I. S. Kiss. 2,084,792; June 22.
Workpieces, Apparatus for making tapered tubular. S. Findlater. 2,084,332–3; June 22.
Wrapper, Corrugated. M. H. Sidebotham. 2,084,922; June 22.
Wrench. J. N. Horner. 2,084,805; June 22.
Wringer. N. L. Etten. 2,084,766; June 22.
Yeast, Producing. S. Lutz and R. R. Irvin. 2,084,736; June 22.
Zinc oxide, Obtaining. W. von der Ohe. 2,084,716; June 22.

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137: 2,084,349
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76— 108: 2,084,441
77— 52: 2,084,562
72: 2,084,737
78— 83: 2,084,375
80— 2: 2,084,469
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60: 2,084,337
81— 3: 2,084,617
46: 2,084,633
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83— 52: 2,084,622
87— 5: 2,084,483
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9: 2,084,352
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12: 2,084,687
16: 2,084,446
88— 14: 2,084,538
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16.6: 2,084,795
17: 2,084,473
19: 2,084,782
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24: 2,084,432
29: 2,084,350
32: 2,084,577
57: 2,084,309
2,084,714
81: 2,084,627
82: 2,084,599
105: 2,084,327
90— 11: 2,084,801
91— 12.2: Re.20,425
42: 2,084,642
51: 2,084,960
68: 2,084,358
2,084,878
2,084,933
92— 39: 2,084,980
93— 2: 2,084,706
3: 2,084,515
2,084,533
5: 2,084,962
55: 2,084,451
95— 4.5: 2,084,450
5.1: 2,084,353
5.6: 2,084,792
6: 2,084,420
7: 2,084,436
97— 31: 2,084,629
50: Re.20,415
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64: 2,084,338
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3: 2,084,524
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139— 223: 2,084,549
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153— 21: 2,084,705
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76: 2,084,708
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115: 2,084,347
166— 12: 2,084,611
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168— 24: 2,084,812
169— 11: 2,084,719
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171— 119: 2,084,899
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313: 2,084,527
172— 36: 2,084,479
179: Re.20,418
278: 2,084,590
173— 264: 2,084,825
267: 2,084,616
313: 2,084,580
318: 2,084,866
332: 2,084,910
358: 2,084,767
175— 183: 2,084,678
264: 2,084,523
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294: 2,084,876
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298: 2,084,893
320: 2,084,654
363: Re.20,416
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2,084,870
2,084,900
2,084,904
176— 122: 2,084,772
124: 2,084,750
126: 2,084,751
2,084,911
177— 351: 2,084,742
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54: 2,084,809
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183— 44: 2,084,652
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184— 7: 2,084,315
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78: 2,084,400
2,084,401
79.5: 2,084,972
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165: 2,084,666
188— 203: 2,084,662
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65: 2,084,776
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88: 2,084,717
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13: 2,084,342
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76: 2,084,840
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204— 9: 2,084,641
206— 43: 2,084,540
208— 70: 2,084,373
113: 2,084,374
209— 110: Re.20,419
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166: 2,084,413
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67: 2,084,548
95: 2,084,597
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226— 58: 2,084,711
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212: 2,084,670
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92: 2,084,414
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237— 12.3: 2,084,571
78— 2,084,365
81: 2,084,535
238— 10: 2,084,322
240— 1.3: 2,084,643
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45: 2,084,502
80: 2,084,969
119: 2,084,790
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21: 2,084,405
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139: 2,084,701
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291— 33: 2,084,895
292— 307: 2,084,963
326: 2,084,668
294— 83: 2,084,722
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304— 5: 2,084,567
308— 4: 2,084,421
309— 15: 2,084,824
21: 2,084,949
43: 2,084,828
311— 57: 2,084,786
82: 2,084,824

U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A/S Einar Hausvik & Co., Bergen, Norway. Canned foods and particularly sardines. Serial No. 384,411; June 29. Class 46.

Advertising Displays Publishing Co., Chicago, Ill. Periodical. Serial No. 392,001; June 29. Class 38.

Allen, Mark W., & Co., Detroit, Mich. Astringents, astringent cerates, beauty creams, etc. Serial No. 392,126; June 29 Class 6.

Allen & Smith Company, Inc., Richmond, Va. Candy and salted peanuts. Serial No. 392,127; June 29. Class 46.

American Distilling Company, The, Pekin, Ill. Blended whiskey. Serial No. 391,261; June 29. Class 49.

American District Steam Company, North Tonawanda, N. Y. Steam and hot water line equipment. Serial No. 363,257; June 29. Class 13.

Amfre Drug Company, Inc., New York, N. Y. Ointment for treatment of skin disease. Serial No. 391,946; June 29. Class 6.

Askania Regulator Company, Chicago, Ill. Mechanical, pneumatic, hydraulic, and electrical measuring and control apparatus, etc. Serial No. 391,017; June 29. Class 26.

Atlas Brewing Company, Chicago, Ill. Beer. Serial No. 391,456; June 29. Class 48.

Atlas Key Co., Cleveland, Ohio. Key blanks. Serial No. 392,121; June 29. Class 25.

Augstein, S., & Co., College Point, N. Y. Sweaters and woolen dresses, suits, etc. Serial No. 380,255; June 29. Class 39.

Bay State Mfg. Co., Inc., Boston, Mass. Dresses and frocks. Serial No. 388,115; June 29. Class 39.

Beauty Counselors, Inc., Detroit, Mich. Face cream and face powder. Serial No. 392,191; June 29. Class 6.

Block, George, New York, N. Y. Skin cream (vanishing cream). Serial No. 392,410; June 29. Class 6.

Bloomingdale Bros., Inc., New York, N. Y. Maids' uniforms and aprons. Serial No. 391,738; June 29. Class 39.

Böhm, Hans L., London, England. Periodical printed publication. Serial No. 391,263; June 29. Class 38.

Bonwit Teller, Inc., New York, N. Y. Dresses, coats, suits, corsets, etc. Serial No. 392,252; June 29. Class 39.

Boskamp, Kurt, doing business as Firma G. Pohl, Danzig-Langfuhr, Free City of Danzig. Capsules. Serial No. 382,940; June 29. Class 6.

Boye Needle Company, The, Chicago, Ill. Knitting pins or needles. Serial Nos. 391,683–4; June 29. Class 40.

Brach, E. J., & Sons, Chicago, Ill. Candies. Serial No. 391,050; June 29. Class 46.

Bregstone, J. M., Chicago, Ill. Radio receiving sets and parts thereof. Serial No. 391,110; June 29. Class 21.

Bright Biscuit Company, Kansas City, Mo. Crackers. Serial No. 392,130; June 29. Class 46.

Britton, John G., Lansdowne, Pa. Plastic material in dry, liquid, and rigidly set forms. Serial No. 390,500; June 29. Class 12.

Burmont Products Co. (See Rosenberg, Maurice H.)

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Medicated lozenge. Serial No. 391,949; June 29. Class 6.

Burton-Marshall Corp., New York, N. Y. Cigarettes. Serial No. 391,620; June 29. Class 17.

Butter-Krust Bakers. (See Warren Baking Company.)

California Ink Co. of N. Y., Inc., New York, N. Y. Printing inks and printing ink vehicles. Serial No. 392,401; June 29. Class 11.

Cameron, Ewen, Wellington, New Zealand. Perfumed and medicinal soap. Serial No. 392,411; June 29. Class 4.

Carter Coal & Dock Corporation, New York, N. Y. Mixtures of anthracite coal and a semi-bituminous coal. Serial No. 386,616; June 29. Class 1.

Clermont Chemical Co., The, Worthington, Ohio. Laxative compound. Serial No. 389,231; June 29. Class 6.

Cohen, Goldman & Co. Inc., New York, N. Y. Coats, vests, pants, etc. Serial No. 391,850; June 29. Class 39.

Cole Chemical Company, Wilmington, Del., and St. Louis, Mo. Pharmaceutical preparation. Serial No. 392,413; June 29. Class 6.

Comun-A-Phone Systems, Inc., Newark, N. J. Speaker-transmitters. Serial No. 391,205; June 29. Class 21.

Continental Music Company, Chicago, Ill. Reeds and mouthpieces for musical instruments. Serial No. 388,564; June 29. Class 36.

Coronet, Inc., Chicago, Ill. Magazines issued monthly. Serial No. 390,951; June 29. Class 38.

Crafton Mutual Orchards, Mentone, Calif. Fresh citrus fruits. Serial No. 392,090; June 29. Class 46.

Cummins, Harry D., Pasadena, Calif. Furniture stain remover. Serial No. 392,261; June 29. Class 4.

Cushman Motor Works, The, Lincoln, Nebr. Motor scooters and structural parts thereof. Serial No. 389,724; June 29. Class 19.

Dante Company, The, Philadelphia, Pa. Moustache pomade, facial creams, facial powder, etc. Serial No. 386,850; June 29. Class 6.

Davis, Guy W., doing business as Guyco, Los Angeles, Calif. Garment display racks, cabinets, and parts therefor. Serial No. 392,200; June 29. Class 32.

De Llano, Matias, Laredo, Tex. Garlic. Serial No. 390,638; June 29. Class 46.

Dell Publishing Company, Inc., New York, N. Y. Periodicals. Serial No. 391,854; June 29. Class 38.

Deschner, Richard E., Los Angeles, Calif. Bottle closures. Serial No. 391,462; June 29. Class 50.

Detroit Needle Products Co. (See Morrison, James E., Jr.)

Devine, John A., Philadelphia, Pa. Medicinal preparation. Serial No. 392,136; June 29. Class 6.

Dictograph Products Company, Inc., New York, N. Y. Radio receiving sets, radio receiving sets combined with audible signal making attachments, and audible signal making attachments for radio receiving sets. Serial No. 383,426; June 29. Class 21.

Doehler Die Casting Co., New York, N. Y. Castings made from magnesium base alloys. Serial No. 392,584; June 29. Class 14.

Dold, Jacob, Packing Co., Buffalo, N. Y. Hams and dried beef. Serial No. 377,975; June 29. Class 46.

Donnelly, James J., Omaha, Nebr. Preparation for use in the treatment of the hair and scalp. Serial No. 392,352; June 29. Class 6.

Dorado Operating Company, Inc., Philadelphia, Pa. Blanks for a game of chance. Serial No. 389,309; June 29. Class 22.

Doyle Packing Company, Los Angeles, Calif., Momence, Ill., Newark, N. J., and North Kansas City, Mo. Canned dog and cat food. Serial No. 392,203; June 29. Class 46.

Eff Laboratories, Inc., Cleveland, Ohio. Concentrates and preparations rich in vitamin activity. Serial No. 392,264; June 29. Class 6.

Electro-Acoustic Products Company, Fort Wayne, Ind. Microphone. Serial No. 392,265; June 29. Class 21.

Elgin Razor Corporation, Chicago, Ill. Electric razors. Serial Nos. 392,204–5; June 29. Class 23.

Esmeralda Canning Co., The, Circleville, Ohio. Canned potatoes. Serial No. 392,011; June 29. Class 46.

Esmeralda Canning Co., The, Circleville, Ohio. Canned spinach. Serial No. 392,012; June 29. Class 46.

Esmeralda Canning Co., The, Circleville, Ohio. Canned corn. Serial No. 392,013; June 29. Class 46.

Esmeralda Canning Co., The, Circleville, Ohio. Canned succotash. Serial No. 392,014; June 29. Class 46.

Evans, David G., Coffee Company, St. Louis, Mo. Syrups for flavoring beverages and for soft drinks. Serial No. 388,921; June 29. Class 45.

Evans Products Company, Detroit, Mich. Slats for Venetian blinds. Serial No. 392,420; June 29. Class 32.

Ever Ready Laboratories, Springfield, Mass. Flavoring materials in powdered form for beverages. Serial No. 390,783; June 29. Class 45.

Exhibit Supply Company, The, Chicago, Ill. Coin-controlled amusement apparatus. Serial No. 393,072; June 29. Class 22.

Faehndrich, William, Inc., New York, N. Y. Cheese. Serial No. 389,310; June 29. Class 46.

Filmeter Company, New York, N. Y. Stop watches. Serial No. 390,360; June 29. Class 27.

Finch, Joseph S., and Company, Schenley, Pa. Whiskey, brandy, gin, etc. Serial No. 392,921; June 29. Class 49.

Fitz-Gerald and Litroy, Los Angeles, Calif. Fresh vegetables. Serial No. 392,267; June 29. Class 46.

Floyd-Wells Company, The, Royersford, Pa. Heating and cooking stoves, ranges, and heating furnaces using coal, etc. Serial No. 383,302; June 29. Class 34.

Franklin Shops, Inc., Hempstead, N. Y. Hosiery. Serial No. 390,548; June 29. Class 39.

Franklin Simon & Co., Inc., New York, N. Y. Toilet and bath soap. Serial No. 390,906; June 29. Class 4.

Frugoli, D. Vincent, San Francisco, Calif. Natural mineral water. Serial No. 391,063; June 29. Class 45.

Fruhauf & Musyl, Inc., Carlstadt, N. J. Ladies' hats. Serial No. 391,754; June 29. Class 39.

Fruhauf & Musyl, Inc., Carlstadt, N. J. Ladies' hats. Serial No. 392,320; June 29. Class 39.

Gehrmann, Ernest, doing business as E. Gehrmann & Co., New York, N. Y. Handkerchiefs. Serial No. 391,635; June 29. Class 39.

General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. Serial No. 392,483; June 29. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

General Dyestuff Corporation, New York, N. Y. Solvent for dyes. Serial No. 392,489; June 29. Class 6.

General Tire & Rubber Company, The, Akron, Ohio. Automobile and radio storage batteries. Serial No. 392,142; June 29. Class 21.

Gibson Electric Refrigerator Corporation, Greenville, Mich. Refrigerators. Serial No. 392,795; June 29. Class 31.

Givaudan-Delawanna, Inc., New York, N. Y. Anti-skinning agent. Serial No. 390,850; June 29. Class 16.

Globe Parlor Furniture Co., High Point, N. C. Upholstered sofas, armchairs, rocking chairs, etc. Serial No. 390,594; June 29. Class 32.

Glover, H. Clay, Co., Inc., New York, N. Y. Capsules. Serial No. 385,580; June 29. Class 6.

Golden Gate Planting & Mfg. Co., Inc., Union and Sunshine, La. Table and cooking syrups. Serial No. 390,316; June 29. Class 46.

Goodall Worsted Co., Sanford, Maine. Piece goods made from combinations of mohair, cotton, wool, etc. Serial No. 392,321; June 29. Class 42.

Graef-Cowen Corporation, Allentown, Pa. Fly ribbons. Serial Nos. 390,912–14; June 29. Class 50.

Grandpa Brands Company, Cincinnati, Ohio. Carbonated soft drink concentrates. Serial Nos. 390,648–9; June 29. Class 45.

Gulf Laboratories Company, Inc., Lafayette, La. Headache powders. Serial No. 392,273; June 29. Class 6.

Guyco. (See Davis, Guy W.)

Harvey-Whipple, Inc., Springfield, Mass. Oil burner atomizers. Serial No. 389,912; June 29. Class 13.

Hat Corporation of America, Norwalk, Conn. Hats for men. Serial No. 392,145; June 29. Class 39.

Hearst Publications, Incorporated, Los Angeles, Calif. News column in a newspaper, published from time to time. Serial No. 389,417; June 29. Class 38.

Hearst Publications, Incorporated, Los Angeles, Calif. Newspaper published from time to time. Serial No. 391,790; June 29. Class 38.

Heineken's Bierbrouwerij Maatschappij N. V., Amsterdam and Rotterdam, Netherlands. Beer. Serial No. 390,320; June 29. Class 48.

Hillyard Chemical Company, St. Joseph, Mo. Varnish. Serial No. 392,865; June 29. Class 16.

Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation. Serial No. 392,149; June 29. Class 6.

Hoffmann-La Roche, Inc., Nutley, N. J. Vitamin B preparation. Serial No. 392,277; June 29. Class 6.

Hotstream Heater Company, The, doing business as Pioneer Heater Company, Cleveland, Ohio. Gas water heaters. Serial No. 389,988; June 29. Class 34.

International Photo-Engravers' Union of North America, St. Louis, Mo. Photoengravings, pamphlets, and periodicals. Serial No. 392,325; June 29. Class 38.

James, F. T., Company, Ltd., The, Toronto, Ontario, Canada. Cooked fish. Serial No. 390,854; June 29. Class 46.

Joseph & Feiss Company, The, Cleveland, Ohio. Top coats, overcoats, and suits. Serial No. 392,495; June 29. Class 39.

Kang, Louis B., doing business as Ripley Products Company, Los Angeles, Calif. General cleanser. Serial No. 391,072; June 29. Class 4.

Kensington, Incorporated, New Kensington, Pa. Tea pots, coffee pots, cocktail shakers, etc. Serial No. 374,200; June 29. Class 13.

Klinzmoth Chemical Corporation, New York, N. Y. Insecticide. Serial No. 391,387; June 29. Class 6.

Kohlberg: Alfred, Inc., New York, N. Y. Handkerchiefs. Serial No. 391,641; June 29. Class 39.

Koritzer, Edward J., doing business as Southern Dental Laboratory, Baltimore, Md. Lingual bars, porcelain jackets, crowns, etc. Serial No. 390,325; June 29. Class 44.

La Plant, Paul, Anoka, Minn. Dog feed, fox feed, cat feed, etc. Serial No. 388,718; June 29. Class 46.

Lavin, Esther, Chicago, Ill. Hand lotion. Serial No. 392,373; June 29. Class 6.

Lea & Febiger, Philadelphia, Pa. Magazine. Serial No. 392,035; June 29. Class 38.

Le Fort, A. J., Jr., Harlingen and Alamo, Tex. Fresh citrus fruits. Serial No. 392,154; June 29. Class 46.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Suits, topcoats, and overcoats. Serial No. 391,766; June 29. Class 39.

Liebich, G. J., Co., Chicago, Ill. Mixed paints, paint enamels, lacquers, etc. Serial No. 386,038; June 29. Class 16.

Limouze, Ethel, Weehawken, N. J. Prepared food for dogs. Serial No. 383,172; June 29. Class 46.

Lion Brewery of New York City, New York, N. Y. Beer and ale. Serial No. 390,928; June 29. Class 48.

Lion Oil Refining Company, El Dorado, Ark. Lubricating oils. Serial No. 391,577; June 29. Class 15.

London, Midland & Scottish Imports, Ltd., New York, N. Y. Woolen and tweed piece goods. Serial No. 392,435; June 29. Class 42.

Lord-Mott Co. (See Roberts, R. E.)

Los Angeles Soap Co., Los Angeles, Calif. Toilet soap, soap chips, shaving soap, etc. Serial No. 392,228; June 29. Class 4.

Los Angeles Soap Co., Los Angeles, Calif. Cold cream, cleansing cream, nourishing cream, etc. Serial No. 392,229; June 29. Class 6.

Los Angeles Soap Co., Los Angeles, Calif. Hair and scalp tonic. Serial No. 392,437; June 29. Class 6.

Ludlum Steel Co., Watervliet, N. Y. Composite ferrous metal sheets and strips. Serial No. 392,037; June 29. Class 14.

Lyon, Robert L., Paris, France. Socks and stockings. Serial No. 391,330; June 29. Class 39.

Lyons-Magnus, Incorporated, San Francisco, Calif. Flavoring extracts. Serial No. 392,157; June 29. Class 46.

M and M Wood Working Company, Portland, Oreg. Waterproof laminated wood. Serial No. 384,943; June 29. Class 12.

Mallinson Fabrics Corporation, New York, N. Y. Piece goods made of silk and synthetic yarns. Serial No. 392,376; June 29. Class 42.

Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods and piece goods made of silk and synthetic yarns. Serial No. 392,377; June 29. Class 42.

Mallinson Fabrics Corporation, New York, N. Y. Piece goods made of silk and synthetic yarns. Serial No. 392,379; June 29. Class 42.

Mallinson Fabrics Corporation, New York, N. Y. Piece goods and pile fabrics. Serial No. 392,380; June 29. Class 42.

Marvel Maid Garment Co., Lima, Ohio. Ladies' and children's pajamas, nightgowns, kimonos, etc. Serial No. 392,039; June 29. Class 39.

McCall, W. A., doing business as McCall Merchandising Co., Cincinnati, Ohio. Chemical cleaner for rugs, tapestries and fabrics. Serial No. 392,180; June 29. Class 4.

McCarthy Hats, Inc., New York, N. Y. Ladies' and misses' hats. Serial No. 391,921; June 29. Class 39.

McClenathen, Curtis L., Akron, Ohio. Therapeutic appliances. Serial No. 391,645; June 29. Class 44.

McNamara, Michael, Varnish Works, Inc., Detroit, Mich. Ready mixed paints and varnishes. Serial No. 392,158; June 29. Class 16.

McNaney, Edward T., doing business as The Modern Games Mfg. Co., Catonsville, Md. Card games. Serial No. 392,381; June 29. Class 22.

Metadier, Paul, Tours, France. Pharmaceutical preparation. Serial No. 391,585; June 29. Class 6.

Metro Oil Incorporated, St. Louis, Mo. Chemical adherent material. Serial No. 391,648; June 29. Class 6.

Midland Chemical Laboratories, Inc., Dubuque, Iowa. Dry cleaning aid. Serial No. 391,540; June 29. Class 4.

Mintz, Louis, doing business as Supertex Manufacturing Company, New York, N. Y. Mattress covers, quilt covers, sheets, pillow cases, etc. Serial No. 391,282; June 29. Class 42.

Modern Games Mfg. Co., The. (See McNaney, Edward T.)

Molinard Inc., New York, N. Y. Perfumes. Serial No. 391,428; June 29. Class 6.

Montague, Joseph F., New York, N. Y. Column devoted to health and scientific news items, etc. Serial No. 391,819; June 29. Class 38.

Morrison, James E., Jr., doing business as Detroit Needle Products Co., Detroit, Mich. Women's uniforms for factory work. Serial No. 390,081; June 29. Class 39.

Mountain State Oil and Supply Co., Huntington, W. Va. Machinery and motor lubricating oils and greases. Serial No. 391,431; June 29. Class 15.

Negrin & Chiprut, Inc., New York, N. Y. Ladies' wash frocks. Serial No. 374,599; June 29. Class 39.

New England Bedding Company, Medford, Mass. Studio divans. Serial No. 390,804; June 29. Class 32.

New Foods, Inc., Chicago, Ill. Candy. Serial No. 389,370; June 29. Class 46.

Norwich Pharmacal Company, The, Norwich, N. Y. Preventive of decomposition odors. Serial No. 392,388; June 29. Class 6.

Odora Company, Inc., New York, N. Y. Paperboard or corrugated paperboard storage receptacles. Serial No. 392,701; June 29. Class 2.

Oses, Armando, Buenos Aires, Argentina. Stocks and dies, scythes, sickles, etc. Serial No. 388,367; June 29. Class 23.

Owens-Illinois Glass Company, Toledo, Ohio. Table ware. Serial No. 384,974; June 29. Class 33.

Papaya Farm, The, Daytona Beach, Fla. Powdered papaya. Serial No. 391,085; June 29. Class 46.

Parke, Davis & Company, Detroit, Mich. P-amino-benzene-sulfonamide. Serial No. 392,231; June 29. Class 6.

Pecorone, Moliné & Cia., Rosario, Argentina. Antiperspiration and deodorant preparation. Serial No. 391,968; June 29. Class 6.

Peerless Smoking Jacket Co. Inc., The, New York, N. Y. Lounging robes and bath robes, pajamas, jackets, etc. Serial No. 390,003; June 29. Class 39.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Hosiery. Serial No. 391,966; June 29. Class 39.

Photo Marketing Corporation, New York, N. Y. Cameras and parts thereof. Serial No. 390,808; June 29. Class 26.

Pierce, S. S., Co., Boston, Mass. Whiskey. Serial Nos. 392,164–5; June 29. Class 49.

Pioneer Heater Company. (See Hotstream Heater Company, The.)

Pohl, Firma G. (See Boskamp, Kurt.)

Portis Bros. Hat Co., Chicago, Ill. Hats and caps. Serial No. 391,880; June 29. Class 39.

Printz-Biederman Company, The, Cleveland, Ohio. Women's and misses' coats and suits. Serial No. 390,085; June 29. Class 39.

Pure Oil Company, The, Chicago, Ill. Automobile top sealer, chemically treated automobile polishing, cleaning, and dusting cloths, etc. Serial No. 372,991; June 29. Class 4.

RCA Manufacturing Company, Inc., Camden and Harrison, N. J. Electron discharge tubes. Serial No. 392,237; June 29. Class 21.

Rabin, Allen H., doing business as The Rabin Company, Los Angeles, Calif. Toilet preparations, cosmetics, and manicure preparations. Serial No. 392,236; June 29. Class 6.

Ratcliff, Raymond R., doing business as Ratcliff Products & Sales Co., Columbus, Ohio. Shoes. Serial No. 391,887; June 29. Class 39.

Redlands Mutual Orange Association, Redlands, Calif. Fresh citrus fruit. Serial No. 391,490; June 29. Class 46.

Ripley Products Company. (See Kang, Louis B.)

Roberts, R. E., doing business as Lord-Mott Co., Baltimore, Md. Canned dog food. Serial No. 392,733; June 29. Class 46.

Rose, Henry, Stores, Inc., New York, N. Y. Dresses. Serial No. 391,345; June 29. Class 39.

Rosenberg, Maurice H., doing business as Burmont Products Co., New York, N. Y. Coffee. Serial No, 391,551; June 29. Class 46.

Rosenfeld, Max, Brooklyn, N. Y. Coats and suits, and ladies' dresses. Serial No. 390,609; June 29. Class 39.

Rozalex Limited, Manchester, England. Cream to be rubbed into the hands. Serial No. 388,544; June 29. Class 6.

Santa Claus Remailing Corporation, Bloomington, Ind. Envelopes and enclosing wrappers. Serial No. 379,357; June 29. Class 37.

Sawyer, H. M., & Son Company, The, Cambridge, Mass. Piece goods of cotton, cotton mixture, etc. Serial No. 392,239; June 29. Class 42.

Schering & Glatz, Inc., New York, N. Y. Medicinal preparation. Serial No. 392,109; June 29. Class 6.

Schuttler Candy Company, Chicago, Ill. Candy. Serial No. 390,674; June 29. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Ready mixed paint. Serial No. 391,352; June 29. Class 16.

Selby Shoe Co., The, Portsmouth, Ohio. Women's shoes. Serial No. 391,780; June 29. Class 39.

Sheinker, W., & Son, Inc., New York, N. Y. Bitters for medicinal purposes. Serial No. 370,066; June 29. Class 6.

Smith-Thornburg Inc., Phoenix, Ariz. Fresh vegetables and melons. Serial No. 390,140; June 29. Class 46.

"Snia-Viscosa" Societa Nazionale Industria Applicazioni Viscosa, Milan, Italy. Thread and yarns. Serial No. 389,484; June 29. Class 43.

Southern Dental Laboratory. (See Koritzer, Edward J.)

Squibb, E. R., & Sons, New York, N. Y. Urinary antiseptics. Serial No. 392,456; June 29. Class 6.

Stakmore Co., Inc., New York, N. Y. Chairs and tables. Serial No. 392,394; June 29. Class 32.

Standard Brands Incorporated, New York, N. Y. Gelatin dessert. Serial Nos. 392,054–6; June 29. Class 46.

Standard Wine & Liquor Company, Inc., New York, N. Y. Whiskey. Serial No. 386,969; June 29. Class 49.

Steinam, A., Co., Inc., New York, N. Y. Cotton, linen, and rayon piece goods. Serial No. 391,357; June 29. Class 42.

Straub, Francis J., New Kensington, Pa. Building blocks. Serial No. 392,395; June 29. Class 12.

Straus, Finlay, Inc., New York, N. Y. Radio receiving sets and parts thereof. Serial No. 392,365; June 29. Class 21.

Strouss-Hirshberg Co., The, Youngstown, Ohio. Men's suits, top coats, overcoats, etc. Serial No. 389,533; June 29. Class 39.

Supertex Manufacturing Company. (See Mintz, Louis.)

Textile Age, Inc., New York, N. Y. Periodicals. Serial No. 392,171; June 29. Class 38.

Thermal Syndicate, Ltd., Wallsend on Tyne, England, and Brooklyn, N. Y. Ultra-violet irradiation apparatus for home use. Serial No. 380,238; June 29. Class 44.

Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scales. Serial No. 391,250; June 29. Class 26.

Triangle Mechanical Laboratories, Inc., New York, N. Y. Safety razor blades. Serial No. 392,398; June 29. Class 23.

Ullmann, Bernhard, Co. Inc., New York, N. Y. Cotton piece goods. Serial No. 392,294; June 29. Class 42.

Union Paper & Twine Company, The, Cleveland, Ohio. Manifold paper and wrapping paper. Serial No. 386,231; June 29. Class 37.

Universal Match Corporation, The, St. Louis, Mo. Bookmatches. Serial No. 385,867; June 29. Class 9.

Ward, V. Frank, Hollandale, Minn. Potatoes. Serial No. 391,979; June 29. Class 46.

Warner, William R., & Co., Inc., New York, N. Y. Modified iodine antiseptic. Serial Nos. 392,118–19; June 29. Class 6.

Warren Baking Company, doing business as Butter-Krust Bakers, Warren, Pa. Bread. Serial No. 381,331; June 29. Class 46.

Western Milling Co., Pendleton, Oreg. Wheat flour. Serial No. 391,726; June 29. Class 46.

White, Almon J., doing business as White Drug Company, Columbia, Mo. Ointment. Serial No. 392,248; June 29. Class 6.

Whittier Lumber & Millwork Co., Newark, N. J. Building trim. Serial No. 390,570; June 29. Class 12.

Willis, K. I., Corporation, Moline, Ill. Elevator cups. Serial No. 392,468; June 29. Class 23.

Witchell-Sheill Co., Chicago, Ill. Shoes. Serial No. 391,727; June 29. Class 39.

Wo Hop, Hong Kong, China. Tea. Serial No. 391,863; June 29. Class 46.

Wolfson & Greenbaum, Inc., New York, N. Y. Dresses and blouses. Serial No. 390,979; June 29. Class 39.

Wood, Charles A., New York, N. Y. Men's hats. Serial No. 392,063; June 29. Class 39.

Yale Products, Inc., New York, N. Y. Antacid for use in the treatment of hyperacidity of the stomach, etc. Serial No. 392,300; June 29. Class 6.

Yardley of London, Inc., Union City, N. J. Astringent, astringent cerate, bleach cream, etc. Serial No. 391,981; June 29. Class 6.

Your Lunch Bar, Inc., New York, N. Y. Prepared sandwiches. Serial No. 390,538; June 29. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Air Reduction Company, assignor to Air Reduction Sales Company, New York, N. Y. Oxygen, acetylene, and nitrogen. 119,238; renewed Nov. 13, 1937.

Alba Pharmaceutical Company, Inc., New York, N. Y. Anti-asthmatic. 347,604; June 29; Serial No. 388,630; published Apr. 13, 1937. Class 6.

Alba Pharmaceutical Company, Inc., New York, N. Y. Chemotherapeutic agent for streptococcic and staphylococcic infections. 347,605; June 29; Serial No. 388,631; published Apr. 20, 1937. Class 6.

Albers Bros. Milling Co., Portland Oreg.; San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Calif.; Seattle, Tacoma, and Spokane, Wash. Buckwheat and wheat flour, rolled oats, breakfast cereals, etc. 347,469; June 29; Serial No. 371,752; published July 28, 1936. Class 46.

Albers Bros. Milling Co., Portland, Oreg.; San Francisco, Los Angeles, Sacramento, Oakland, Riverside, Fresno, and San Jose, Calif.; Seattle, Tacoma, Spokane, Wash. Stock and poultry feeds. 347,575; June 29; Serial No. 388,299; published Apr. 20, 1937. Class 46.

Albrecht, Benjamin K., doing business as Albrecht & Co., Rowayton, Conn. Adhesive cement. 347,480; June 29; Serial No. 376,748; published Apr. 20, 1937. Class 5.

All America Garment Company, Cambridge, Mass. Vests and windbreakers. 347,485; June 29; Serial No. 379,782; published Aug. 4, 1936. Class 39.

Allen, Slade & Co. Inc., Fall River, Mass. Canned fruits and vegetables, coffee, etc. 347,641; June 29; Serial No. 389,050; published Apr. 13, 1937. Class 46.

American Abrasive Metals Company, New York, N. Y. Cast metal articles. 347,635–6; June 29; Serial Nos. 389,005–6; published Apr. 20, 1937. Class 12.

American Type Founders Sales Corporation, Elizabeth, N. J. Compound to be sprayed on sheets after they have been printed to prevent offsetting. 347,556; June 29; Serial No. 387,935; published Apr. 13, 1937. Class 6.

An-Fo Manufacturing Co. (See Rosefield, John B.)

Angeles Fruit & Produce Co., Inc., Los Angeles, Calif. Fresh citrus fruits, fresh deciduous fruits, and fresh vegetables. 347,628; June 29; Serial No. 388,889; published Apr. 13, 1937. Class 46.

Anthony Brothers, San Francisco, Calif. Women's and children's sport suits, coats, dresses, etc. 347,576; June 29; Serial No. 388,301; published Apr. 20, 1937. Class 39.

Apex Beverage Co., Pittsburgh, Pa. Beverages. 347,631; June 29; Serial No. 388,971; published Apr. 20, 1937. Class 45.

Arlington Silk Hosiery Co. Inc., New York, N. Y. Hosiery. 347,511; June 29; Serial No. 385,962; published Apr. 13, 1937. Class 39.

Asheboro Hosiery Mills, Inc., Asheboro, N. C. Hosiery. 347,512; June 29; Serial No. 385,964; published Apr. 13, 1937. Class 39.

Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. 347,554; June 29; Serial No. 387,885; published Apr. 13, 1937. Class 6.

Atlas Supply Company, Newark, N. J. Rubber tires. 347,559; June 29; Serial No. 388,044; published Apr. 20, 1937. Class 35.

Automatic Electric Company, Chicago, Ill. Telephone systems, telephone equipment, and parts thereof. 347,488; June 29; Serial No. 381,957; published Apr. 20, 1937. Class 21.

B-L Electric Manufacturing Co., The, St. Louis, Mo. Apparatus for rectifying electric current. 347,596; June 29; Serial No. 388,526; published Apr. 20, 1937. Class 21.

Barnes, S. O., & Son, Cardena, assignor to Mildred M. Lager, doing business as Vegeminerals Company, Los Angeles, Calif. Dehydrated, powdered vegetables in tablet form. 347,506; June 29; Serial No. 385,029; published Apr. 13, 1937. Class 6.

Bartoli, Philip, Philadelphia, Pa. Medical preparation. 347,621; June 29; Serial No. 388,826; published Apr. 20, 1937. Class 6.

Basel, George J., doing business as Basel Co., Cleveland, Ohio. Shaving soap and shaving cream. 347,644; June 29; Serial No. 389,109; published Apr. 20, 1937. Class 4.

Basic Dolomite, Incorporated. (See Dolomite Products Company, The, assignor.)

Battin, Pauline N., doing business as The Battin Co., College Point, N. Y. Cooking ingredients for enriching, thickening, etc., gravies, soups, and the like. 347,516; June 29; Serial No. 386,335; published Apr. 20, 1937. Class 46.

Bellville, William J., trading as Keen, Robinson & Bellville, London, England, assignor to Keen, Robinson & Company Limited, Norwich, England. Mustard. 14,371; re-renewed May 10, 1937.

Bené, John, & Sons Inc., Brooklyn, N. Y. Peroxide of hydrogen. 347,569; June 29; Serial No. 388,204; published Apr. 13, 1937. Class 6.

Blacko Medicine Co., The, to Blacko Medicine Company, Charleston, W. Va., successor. Preparation for the stomach, liver, and bowels. 108,416; renewed Feb. 8, 1936.

Blass-Meyers Mfg. Co., Inc., New York, N. Y. Shirts, jackets, overalls, etc. 347,517; June 29; Serial No. 386,478; published Apr. 13, 1937. Class 39.

Bloom-Rosenblum-Klein Company, The, Youngstown, Ohio. Wheat flour. 347,464; June 29; Serial No. 367,141; published Apr. 20, 1937. Class 46.

Borden Company, The, New York, N. Y. Shell eggs. 347,546; June 29; Serial No. 387,697; published Apr. 13, 1937. Class 46.

Borden Company, The, New York, N. Y. Shell eggs. 347,597; June 29; Serial No. 388,528; published Apr. 20, 1937. Class 46.

Borsari & Cie., Zollikon, Switzerland. Ferro-concrete tanks. 347,525; June 29; Serial No. 386,981; published Apr. 20, 1937. Class 2.

Brewer-Titchener Corporation, The, Cortland, N. Y. Ironing boards. 347,616; June 29; Serial No. 388,761; published Apr. 20, 1937. Class 24.

Broad Brook Company, Broad Brook, Conn. Cloth. 347,690; June 29. Class 42.

Bullock's, Inc., Los Angeles, Calif. Furniture. 347,682; June 29. Class 32.

Burgess Company, Inc., The, Beaver Falls, Pa. Machine staples and staple blanks. 347,677; June 29. Class 13.

Button, George W., Corporation, New York, N. Y. Talcum powder. 347,684; June 29. Class 6.

Cable Raincoat Company, Boston, Mass. Children's rain coats. 347,646; June 29; Serial No. 389,168; published Apr. 20, 1937. Class 39.

Carey-McFall Co., Philadelphia, Pa. Venetian blinds. 347,667; June 29; Serial No. 389,404; published Apr. 20, 1937. Class 32.

Carey-McFall Co., Philadelphia, Pa. Venetian blinds. 347,668; June 29; Serial No. 389,455; published Apr. 20, 1937. Class 32.

Cattell, J. McKeen, doing business as The Science Press, New York, N. Y. Section in a magazine. 347,588; June 29; Serial No. 388,432; published Apr. 20, 1937. Class 38.

Checard Company, The, Minneapolis, Minn. Games. 347,676; June 29; Serial No. 390,044; published Apr. 20, 1937. Class 22.

Chic Manufacturing Co., Peoria, Ill. Dresses, smocks, work uniforms, etc. 347,691; June 29. Class 39.

Chipman Chemical Company, Inc., Bound Brook, N. J. Insecticides, fungicides, and weed killers. 347,472; June 29; Serial No. 373,675; published Aug. 4, 1936. Class 6.

Chopak Textile Co. Inc., New York, N. Y. Rayon and acetate cloth. 347,629; June 29; Serial No. 388,913; published Apr. 20, 1937. Class 42.

Cohen Bros. Corp., New York, N. Y. Sweaters and dresses. 347,617; June 29; Serial No. 388,767; published Apr. 13, 1937. Class 39.

Cohn & Rosenberger, Inc., New York, N. Y. Pins, clips, hair ornaments, etc. 347,683; June 29. Class 28.

Collis Products Company, St. Paul, Minn. Poultry and stock feed. 347,545; June 29; Serial No. 387,659; published Apr. 13, 1937. Class 46.

Colorado Milling & Elevator Co., The, Denver and Pueblo, Colo., to The Colorado Milling & Elevator Co., Denver, Colo. Wheat-flour. 119,044–5; renewed Oct. 23, 1937.

Colour Photographs (British & Foreign) Limited, London, England. Photographs and photo-mechanical reproductions of the same. 347,652; June 29; Serial No. 389,234; published Apr. 20, 1937. Class 38.

Columbia Ribbon & Carbon Mfg. Co., Inc., Glen Cove, N. Y. Typewriter ribbons and carbon paper. 347,654; June 29; Serial No. 389,306; published Apr. 20, 1937. Class 11.

Conn, David M., New York, N. Y. Hosiery. 347,529; June 29; Serial No. 387,268; published Apr. 13, 1937. Class 39.

Consumers Oil Company, Baltimore, Md. Petroleum products. 347,589; June 29; Serial No. 388,433; published Apr. 13, 1937. Class 15.

Continental Mills, Inc., Philadelphia, Pa. Woolen and worsted cloths, jersey cloths, elderdowns, etc. 347,642; June 29; Serial No. 389,055; published Apr. 20, 1937. Class 42.

Corporacion Argentina de Productores de Carnes, Buenos Aires, Argentina. Meat and products prepared therefrom. 347,655; June 29; Serial No. 389,307; published Apr. 20, 1937. Class 46.

Cowles Detergent Company, The, Cleveland, Ohio. Soluble chemical compounds for use as detergents. 347,561; June 29; Serial No. 388,121; published Apr. 20, 1937. Class 4.

Cowles Detergent Company, The, Cleveland, Ohio. Detergent. 347,594; June 29; Serial No. 388,493; published Apr. 20, 1937. Class 4.

Dainty Maid Slippers, Inc., New York, N. Y. Shoes and slippers. 347,522; June 29; Serial No. 386,725; published Mar. 30, 1937. Class 39.

Davis, A., & Sons, Inc., New York, N. Y. Women's and misses' coats and suits. 347,483; June 29; Serial No. 378,740; published Apr. 20, 1937. Class 39.

Dennis, Martin, Company, The, Newark, N. J. Silk preserving oil. 347,580; June 29; Serial No. 388,327; published Apr. 13, 1937. Class 6.

Dingfelder, C. I. & M., New York, N. Y. Fresh vegetables. 347,583; June 29; Serial No. 388,392; published Apr. 20, 1937. Class 46.

Dolomite Products Company, The, assignor, by mesne assignments, to Basic Dolomite, Incorporated, Cleveland, Ohio. Refractory materials. 119,178; renewed Oct. 30, 1937.

Drybak Corporation, The, Binghamton, N. Y. Work pants, breeches, blouses, etc. 347,577; June 29; Serial No. 388,313; published Apr. 20, 1937. Class 39.

Dube & Reingold, Inc., New York, N. Y. Raincoats and waterproof suits. 347,530; June 29; Serial No. 387,270; published Apr. 20, 1937. Class 39.

Dufaycolor, Inc., New York, N. Y. Photographic films and photographic filters. 347,693; June 29. Class 26.

Dunn, Max, Philadelphia, Pa. Dresses and blouses. 347,670; June 29; Serial No. 389,505; published Apr. 20, 1937. Class 39.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compound. 347,578; June 29; Serial No. 388,314; published Apr. 13, 1937. Class 6.

Eisendrath, B. D., Tanning Company, Chicago, Ill. Leather. 347,505; June 29; Serial No. 384,888; published Apr. 20, 1937. Class 1.

Eljay Corporation, Chicago, Ill. Aspirin tablets. 347,637; June 29; Serial No. 389,014; published Apr. 20, 1937. Class 6.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial fish bait. 347,675; June 29; Serial No. 390,019; published Apr. 20, 1937. Class 22.

Erwin Cotton Mills Co., The, West Durham, N. C. Denims in the piece. 347,685; June 29. Class 42.

Fansteel Metallurgical Corporation, North Chicago, Ill. Electric contacts. 347,562–4; June 29; Serial Nos. 388,129–31; published Apr. 20, 1937. Class 21.

Financial Guide Publishing Corporation, New York, N. Y. Newspaper column. 347,590; June 29; Serial No. 388,441; published Apr. 20, 1937. Class 38.

Findlater Mackie Todd & Co. Limited, London, England. Scotch whisky. 347,489; June 29; Serial No. 382,867; published Apr. 20, 1937. Class 49.

Finkelstein, Jacob, & Sons, Woonsocket, R. I. Trench coats, raincoats, sport coats, etc. 347,478; June 29; Serial No. 375,139; published Apr. 28, 1936. Class 39.

Fleischl, Emil, & Son, New York, N. Y. Eggs. 347,579; June 29; Serial No. 388,317; published Apr. 13, 1937. Class 46.

Food Associates, Inc., Seattle, Wash. Canned fruits and canned fish. 347,532; June 29; Serial No. 387,320; published Apr. 13, 1937. Class 46.

Fynaut & Popek, New York, N. Y. Fresh endives. 347,547; June 29; Serial No. 387,703; published Apr. 20, 1937. Class 46.

Gallant Frocks, Inc., New York, N. Y. Dresses. 347,600; June 29; Serial No. 388,572; published Apr. 13, 1937. Class 39.

Gavilan Citrus Association. (See Holden, Arthur S.)

Geier, P. A., Company, The, Cleveland, Ohio. Floor polishers and floor polisher attachments for suction cleaners. 347,508; June 29; Serial No. 385,352; published Apr. 20, 1937. Class 23.

Gerdts, Gustav F., Bremen, Germany. Sight indicator for use in connection with condensers, etc. 347,470; June 29; Serial No. 371,770; published Apr. 20, 1937. Class 26.

Gibson Electric Refrigerator Corporation, Greenville, Mich. Refrigerators. 347,565; June 29; Serial No. 388,136; published Apr. 20, 1937. Class 31.

Giordano Bros., San Jose, Calif. Fresh fruit. 347,501; June 29; Serial No. 384,069; published Apr. 13, 1937. Class 46.

Glidden Company, The. (See Johnson, B. J. Soap Co., Inc., assignor.)

Globe Magazines, Inc., St. Paul, Minn. Monthly magazine. 347,665; June 29; Serial No. 389,394; published Apr. 20, 1937. Class 38.

Goodman & Company, Inc., Indianapolis, Ind. Finger rings, brooches, necklaces, etc. 347,679; June 29. Class 28.

Goodyear Tire & Rubber Company, Inc., The, Wilmington, Del., and Akron, Ohio. Storage batteries. 347,660–1; June 29; Serial Nos. 389,352–3; published Apr. 20, 1937. Class 21.

Goodyear Tire & Rubber Company, Inc., The, Wilmington, Del., and Akron, Ohio. Storage batteries. 347,662; June 29; Serial No. 389,355; published Apr. 20, 1937. Class 21.

Great Western Electro-Chemical Company, San Francisco, Calif. Ammonium sulfate, ammonium chloride, caustic soda, etc. 347,608–10; June 29; Serial Nos. 388,676–8; published Apr. 20, 1937. Class 6.

Greater New York Bedding Co. (See Lipps, Morris.)

Greene, Albert F., doing business as Regene Co., Buffalo, N. Y. Preparation for preserving and strengthening the fabric of both real and artificial silk. 347,518; June 29; Serial No. 386,488; published Apr. 20, 1937. Class 6.

Gretsch, Fred., Manufacturing Co., The, Brooklyn, N. Y. Drums, banjos, and guitars. 347,503; June 29; Serial No. 384,377; published Apr. 6, 1937. Class 36.

Gross, Alexander S., Inc., New York, N. Y. Dresses or frocks, suits, and coats. 347,528; June 29; Serial No. 387,244; published Apr. 20, 1937. Class 39.

Guild Co. (See Jarvis, Edward R.)

Hall Packing Company, Sanger and El Centro, Calif. Fresh deciduous fruits and fresh grapes. 347,471; June 29; Serial No. 372,057; published Apr. 20, 1937. Class 46.

Harriman Manufacturing Company, The, Harriman, Tenn. Agricultural implements. 119,073; renewed Oct. 23, 1937.

Haskell, Charles C., & Co., Inc., Richmond, Va. Sedative-hypnotic pharmaceutical preparation. 347,618; June 29; Serial No. 388,774; published Apr. 20, 1937. Class 6.

Hausman, Newman & Miller, Inc., New York, N. Y. Men's clothing. 347,540; June 29; Serial No. 387,467; published Apr. 6, 1937. Class 39.

Hay, R. M., Company, The, Stamford, Conn. Babies' dresses. 347,560; June 29; Serial No. 388,061; published Apr. 20, 1937. Class 39.

Hepworth & Grandage Limited, Bradford, England. Cylinder liners and valve seatings. 347,523; June 29; Serial No. 386,897; published Apr. 20, 1937. Class 23.

Herbert Hosiery Mills, Inc., Norristown, Pa. Hosiery. 347,619; June 29; Serial No. 388,775; published Apr. 20, 1937. Class 39.

Hercules Powder Company, Wilmington, Del. Liquid used as a solvent and plasticizer. 347,526; June 29; Serial No. 387,185; published Apr. 20, 1937. Class 6.

Hercules Powder Company, Wilmington, Del. Liquid detergent compound. 347,656; June 29; Serial No. 389,318; published Apr. 20, 1937. Class 4.

Hoffmann-La Roche, Inc., Nutley, N. J. Vitamin B preparation. 347,553; June 29; Serial No. 387,867; published Apr. 13, 1937. Class 6.

Höganäs-Billesholms Aktiebolag, Hoganas and Halsingborg, Sweden. Abrasives. 347,543; June 29; Serial No. 387,622; published Apr. 20, 1937. Class 4.

Holden, Arthur S., doing business as Gavilan Citrus Association, Arlington, Calif. Citrus fruits. 347,630; June 29; Serial No. 388,937; published Apr. 20, 1937. Class 46.

Hopkins, Brigham, Co., to Nacirema, Incorporated, Baltimore, Md., successor. Sweat-bands for hats. 118,880; renewed Oct. 9, 1937. Class 39.

Hudson, C. D., doing business as Places Publishing Associates, Washington, D. C. Periodical. 347,673; June 29; Serial No. 389,559; published Apr. 20, 1937. Class 38.

Independent Grocers' Alliance Distributing Co., Chicago, Ill. Canned apricots, peaches, and pineapple. 347,482; June 29; Serial No. 378,256; published July 28, 1936. Class 46.

Indictor, Kofsky & Haberman, Inc., New York, N. Y. Women's coats. 347,486; June 29; Serial No. 380,000; published Apr. 13, 1937. Class 39.

International Bedding Company, The, Baltimore, Md. Mattresses, cushions, studio couches, etc. 347,591–2; June 29; Serial Nos. 388,453–4; published Apr. 20, 1937. Class 32.

International Shoe Co., St. Louis, Mo. Boots and shoes. 347,692; June 29. Class 39.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 347,647; June 29; Serial No. 389,182; published Apr. 20, 1937. Class 39.

Irwill Knitwear Corp., New York, N. Y. Beachwear. 347,571; June 29; Serial No. 388,234; published Apr. 13, 1937. Class 39.

Isaacs, I. C., & Company, Inc., Baltimore, Md. Ski, skating, and sport jackets, pants, and skirts. 347,541; June 29; Serial No. 387,505; published Apr. 20, 1937. Class 39.

Jack Frost Coffee Co. Inc., New York, N. Y. Coffee. 347,468; June 29; Serial No. 369,699; published Apr. 14, 1936. Class 46.

Jarvis, Edward R., doing business as Guild Co., New Brunswick, N. J. Healing cream for chapped skin. 347,515; June 29; Serial No. 386,164; published Apr. 20, 1937. Class 6.

Jelke, John F., Company, Chicago, Ill. Cheese. 347,490; June 29; Serial No. 382,917; published Apr. 20, 1937. Class 46.

Johns-Manville Corporation, New York, N. Y. Industrial and household cleaning compound. 347,603; June 29; Serial No. 388,616; published Apr. 20, 1937. Class 4.

Johnson, B. J., Soap Co., Inc., Milwaukee, Wis., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Substitute for butter. 117,873; renewed Aug. 7, 1937.

Kaufman-Herstone, Inc., New York, N. Y. Coats and suits. 347,632; June 29; Serial No. 388,985; published Apr. 20, 1937. Class 39.

Kay-Brunner Steel Products Inc., Alhambra, Calif. Machines for forming, etc., roads, hydraulic pumps, and hoists. 347,481; June 29; Serial No. 377,742; published Apr. 20, 1937. Class 23.

Kayser, Julius, & Co., New York, N. Y. Underwear. 347,584; June 29; Serial No. 388,396; published Apr. 13, 1937. Class 39.

Keen, Robinson & Company Limited. (See Belleville, William J., assignor.)

Kiddies Pal, Inc., New York, N. Y. Suits, dresses, rompers, etc. 347,595; June 29; Serial No. 388,502; published Apr. 13, 1937. Class 39.

Kingsboro Silk Mills, Inc., Gloversville, N. Y. Knitted vests, bloomers, panties, etc. 347,568; June 29; Serial No. 388,197; published Apr. 13, 1937. Class 39.

Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth, Budweis, Czechoslovakia. Photographic developing kit comprising chemicals, etc. 347,496; June 29; Serial No. 383,393; published Apr. 20, 1937. Class 26.

Kolsterol, Incorporated, Detroit, Mich. Salve. 347,533; June 29; Serial No. 387,328; published Apr. 13, 1937. Class 6.

Lager, Mildred M. (See Barnes, S. O., & Son, assignor.)

Lake Manufacturing Company, Inc., Oakland, Calif. Electrical telephone power amplified loud speaker two-way communication systems. 347,566; June 29; Serial No. 388,138; published Apr. 20, 1937. Class 21.

Lang-Kohn, Manufacturing Company, St. Louis, Mo. Dresses. 347,598; June 29; Serial No. 388,535; published Apr. 13, 1937. Class 39.

Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Witch hazel salve or ointment. 347,622; June 29; Serial No. 388,841; published Apr. 20, 1937. Class 6.

Lelong, Lucien, Inc., Chicago, Ill. Perfume. 347,534; June 29; Serial No. 387,330; published Apr. 13, 1937. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. 347,582; June 29; Serial No. 388,355; published Apr. 13, 1937. Class 6.

Less Effort Products Co. (See Rullson, Earl F.)

Levin, A., & Co., Los Angeles, Calif. Fresh citrus and deciduous fruits, vegetables, and melons. 347,536; June 29; Serial No. 387,381; published Apr. 20, 1937. Class 46.

Levinsohn, Frank, & Bros. Inc., New York, N. Y. Coats and suits. 347,620; June 29; Serial No. 388,786; published Apr. 20, 1937. Class 39.

Levinsohn, Frank, & Bros. Inc., New York, N. Y. Coats and suits. 347,623; June 29; Serial No. 388,842; published Apr. 20, 1937. Class 39.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' overcoats. 347,463; June 29; Serial No. 366,948; published Sept. 29, 1936. Class 39.

Lincoln Fabrics, Inc., New York, N. Y. Cotton cloth. 347,557; June 29; Serial No. 387,947; published Apr. 20, 1937. Class 42.

Lindenmeyer, Henry, & Sons, to Henry Lindenmeyer & Sons, New York, N. Y., successor. Printing-paper and writing-paper. 116,958; renewed June 5, 1937.

Lipps, Morris, doing business as Greater New York Bedding Co., New York, N. Y. Couches and day beds. 347,474; June 29; Serial No. 374,624; published Apr. 20, 1937. Class 32.

Loose-Wiles Biscuit Company, Long Island City, N. Y. Crackers, cakes, and cookies. 347,648; June 29; Serial No. 389,188; published Apr. 20, 1937. Class 46.

Loose-Wiles Biscuit Company, Long Island City, N. Y. Crackers, cakes, and cookies. 347,674; June 29; Serial No. 389,740; published Apr. 20, 1937. Class 46.

Louisiana State Rice Milling Company, Inc., Abbeville, La. Rice. 347,585; June 29; Serial No. 388,398; published Apr. 20, 1937. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Empty wrappers and bags. 347,497; June 29; Serial No. 383,586; published Apr. 20, 1937. Class 2.

Lowe, Joe, Corporation, New York, N. Y. Empty wrappers and bags. 347,498; June 29; Serial No. 383,589; published Apr. 20, 1937. Class 2.

Luchow Importing Corporation, New York, N. Y. Beer. 347,657; June 29; Serial No. 389,324; published Apr. 20, 1937. Class 48.

Lustre Laboratories. (See Mequier, James C.)

Mallinson Fabrics Corporation, New York, N. Y. Woven, knitted, netted, and pile fabrics. 347,695; June 29. Class 42.

Marblette Corporation, Long Island City, N. Y. Composition products of cast synthetic resin. 347,606; June 29; Serial No. 388,647; published Apr. 20, 1937. Class 1.

Marshall Field & Company, Chicago, Ill. Toilet soaps. 347,573; June 29; Serial No. 388,262; published Apr. 20, 1937. Class 4.

Mayer, Ed R., Amarillo, Tex. Rock. 347,475; June 29; Serial No. 374,724; published Apr. 14, 1936. Class 1.

Mayer, Ed R., Amarillo, Tex. Manufactured brick and manufactured concrete and similar building material. 347,476; June 29; Serial No. 374,725; published Apr. 20, 1937. Class 12.

Maynard, Forest J., doing business as Forest J. Maynard Co., San Francisco, Calif. Canned fruits, canned vegetables. 347,527; June 29; Serial No. 387,195; published Apr. 20, 1937. Class 46.

McKesson & Robbins, Incorporated, New York, N. Y., assignor to McKesson & Robbins, Incorporated, Fairfield, Conn. Disinfectant. 117,681; renewed July 24, 1937.

Meadow Brook Candy Co., Moline, Ill. Candy. 347,572; June 29; Serial No. 388,253; published Apr. 20, 1937. Class 46.

Mequier, James C., doing business as Lustre Laboratories, Lynn, Mass. Powder for cleaning dentures and denture plates. 347,658; June 29; Serial No. 389,326; published Apr. 20, 1937. Class 4.

Menasha Products Company, Menasha, Wis. Waxed paper. 347,484; June 29; Serial No. 379,120; published Apr. 20, 1937. Class 37.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation for nasal application in the treatment of colds. 347,601; June 29; Serial No. 388,584; published Apr. 13, 1937. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Healing ointment preparation. 347,602; June 29; Serial No. 388,585; published Apr. 13, 1937. Class 6.

Meshkote Corporation, The, Cleveland, Ohio. Ready mixed paints, paint enamels, and lacquers. 347,680; June 29. Class 16.

Michels', Barthold, Son Co., Inc., New York, N. Y. Cheese, cheese mixed with wine, and cheese mixed with liquors. 347,551; June 29; Serial No. 387,813; published Apr. 20, 1937. Class 46.

Micromatic Hone Corporation, Detroit, Mich. Apparatus for aligning blocks to be machined. 347,492; June 29; Serial No. 382,985; published Apr. 20, 1937. Class 26.

Micromatic Hone Corporation, Detroit, Mich. Apparatus for tightening bolts and the like. 347,493; June 29; Serial No. 382,987; published Apr. 20, 1937. Class 23.

Micromatic Hone Corporation, Detroit, Mich. Hone. 347,494; June 29; Serial No. 382,989; published Apr. 20, 1937. Class 23.

Micromatic Hone Corporation, Detroit, Mich. Apparatus for collecting and separating grit, etc. from air. 347,495; June 29; Serial No. 382,991; published Apr. 20, 1937. Class 23.

Miller, Gray E., Pittsburgh, Pa. Toy guns. 347,586; June 29; Serial No. 388,402; published Apr. 20, 1937. Class 22.

Monarch Metal Weatherstrip Corporation, St. Louis, Mo. Metal weatherstrips. 347,537; June 29; Serial No. 387,389; published Apr. 20, 1937. Class 12.

Mondi Manufacturing Company, The, Oshkosh, Wis. Footwear. 347,681; June 29. Class 39.

Morville Liquor Corp. (See Stoll, A. H., Co.)

Müller, Ferdinand C. H., Swanton, Ohio. Playing cards and games, together with boards and equipment. 347,587; June 29; Serial No. 388,403; published Apr. 20, 1937. Class 22.

Mutual Creamery Company, Salt Lake City, Utah. Creamery-butter. 117,186–7; renewed June 19, 1937.

Nacirema, Incorporated. (See Hopkins, Brigham, Co.)

National Aniline & Chemical Company, Inc., New York, N. Y. Chemical compositions. 347,643; June 29; Serial No. 389,092; published Apr. 20, 1937. Class 4.

National Candy Company, Jersey City, N. J., and St. Louis, Mo., to The National Candy Company, St. Louis, Mo. Candies. 118,560; renewed Sept. 18, 1937.

National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow ware, etc. 347,694; June 29. Class 28.

Non-Glare Chemical Company, Evanston, Ill. Cleaning preparation. 347,519; June 29; Serial No. 386,655; published Apr. 20, 1937. Class 4.

Ostby and Barton Company, Providence, R. I. Jewelry. 347,570; June 29; Serial No. 389,469; published Apr. 27, 1937. Class 28.

P & Q Shops Inc., New York, N. Y. Suits and overcoats. 347,666; June 29; Serial No. 389,395; published Apr. 20, 1937. Class 39.

Parfums Charbert, Inc., New York, N. Y. Perfume. 347,613; June 29; Serial No. 388,722; published Apr. 20, 1937. Class 6.

Parfums Duvee, Inc., New York, N. Y. Cleaning compound. 347,663; June 29; Serial No. 389,372; published Apr. 20, 1937. Class 4.

Paton, John G., Company, Inc., The, New York, N. Y. Honey. 347,462; June 29; Serial No. 361,706; published Apr. 20, 1937. Class 46.

Payson Publishing, Inc., New York, N. Y. Magazines. 347,558; June 29; Serial No. 388,023; published Apr. 20, 1937. Class 38.

Places Publishing Associates. (See Hudson, C. D.)

Prager Co., Inc., The, Worcester, Mass. Wallpaper. 347,689; June 29. Class 37.

Pretti, Joseph G., Oakland, Calif. Fuel oil gassifier for internal combustion motors. 347,555; June 29; Serial No. 387,919; published Apr. 20, 1937. Class 23.

Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth paste and tooth powder. 347,509; June 29; Serial No. 385,367; published Apr. 13, 1937. Class 6.

Ravaud, Jean, New York, N. Y., and Neuilly-sur-Seine, France. Perfumes. 347,538; June 29; Serial No. 387,396; published Apr. 13, 1937. Class 6.

Regene Co. (See Greene, Albert F.)

Richmond-Chase Company, San Jose, Calif. Fruit juice beverages used as soft drinks. 347,487; June 29; Serial No. 380,666; published Aug. 25, 1936. Class 45.

Richmond-Chase Company, San Jose, Calif. Fruit and vegetable juices. 347,687; June 29. Class 46.

Rogers Peet Company, New York, N. Y. Men's outer suits. 347,611; June 29; Serial No. 388,686; published Apr. 13, 1937. Class 39.

Rosefield, John B., doing business as An-Fo Manufacturing Co., Oakland, Calif. Insect poisons. 347,548; June 29; Serial No. 387,711; published Apr. 20, 1937. Class 6.

Rosen, E., Company, Providence, R. I. Candy. 347,479; June 29; Serial No. 375,955; published June 2, 1936. Class 46.

Rulison, Earl F., doing business as Less Effort Products Co., Chicago, Ill. Hand cleanser, all purpose cleanser and automobile dry cleaning compound. 347,520; June 29; Serial No. 386,663; published Apr. 20, 1937. Class 4.

Russeks Fifth Avenue Inc., New York, N. Y. Dresses, coats, suits, etc. 347,593; June 29; Serial No. 388,483; published Apr. 13, 1937. Class 39.

Saltex Looms, Inc., The. (See Salt's Textile Manufacturing Company, The, assignor.)

Salt's Textile Manufacturing Company, The, assignor to The Saltex Looms, Inc., Bridgeport, Conn., and New York, N. Y. Coats, cloaks, wraps, etc. 117,268–9; renewed June 26, 1937.

Schindler's Peanut Products, Inc., Washington, D. C. Peanut butter. 347,477; June 29; Serial No. 374,856; published Apr. 20, 1937. Class 46.

Schoenhofen, Peter, Brewing Company, The, assignor, by mesne assignments, to Schoenhofen Edelweiss Company, Chicago, Ill. Cereal beverages sold as soft drinks. 116,686; renewed May 15, 1937.

Schofel Bros., Inc., Newark, N. J. Fresh vegetables. 347,669; June 29; Serial No. 389,478; published Apr. 20, 1937. Class 46.

Science Press, The. (See Cattell, J. McKeen.)

Sears, Roebuck and Co., Chicago, Ill. Window curtains. 347,626; June 29; Serial No. 388,873; published Apr. 20, 1937. Class 42.

Segal, H., New York, N. Y. Watch mainsprings. 347,567; June 29; Serial No. 388,146; published Apr. 20, 1937. Class 27.

Selnsheimer, H. A., Company, The, Cincinnati, Ohio. Men's suits. 347,614–15; June 29; Serial Nos. 388,730–1; published Apr. 13, 1937. Class 39.

Selmer, H. & A., Inc., Elkhart, Ind. Saxophones, clarinets, trumpets, etc. 347,581; June 29; Serial No. 388,333; published Apr. 20, 1937. Class 36.

Shane, C. B., Corporation, Chicago, Ill. Overcoats and top coats. 347,649; June 29; Serial No. 389,199; published Apr. 20, 1937. Class 39.

Shapiro, Saul R., Brooklyn, N. Y. Toy building blocks. 347,639; June 29; Serial No. 389,040; published Apr. 20, 1937. Class 22.

Shulton, Inc., New York, N. Y. Saponaceous compounds. 347,640; June 29; Serial No. 389,041; published Apr. 20, 1937. Class 4.

Sieur de Monts Spring Company, Bar Harbor, Maine. Water in its natural state and carbonated water. 118,230; renewed Aug. 21, 1937.

Silver, Morris, New York, N. Y. Dresses, gowns, wraps, etc. 347,491; June 29; Serial No. 382,963; published Apr. 13, 1937. Class 39.

Societe Menier, Paris, France. Chocolates and candies. 347,627; June 29; Serial No. 388,874; published Apr. 20, 1937. Class 46.

Sommers, W. O., Inc., Chicago, Ill. Syrup used in mixing drinks. 347,574; June 29; Serial No. 388,284; published Apr. 20, 1937. Class 45.

Southern Calif. Poultry Co., Los Angeles, Calif. Eggs, poultry, and turkeys. 347,510; June 29; Serial No. 385,542; published Apr. 20, 1937. Class 46.

Southern Friction Materials Company, Charlotte, N. C. Ignition cable, ignition wire, and friction tape. 347,664; June 29; Serial No. 389,387; published Apr. 20, 1937. Class 21.

Speigel, Walter, New York, N. Y. Inter-office radio-telephone communication system. 347,542; June 29; Serial No. 387,519; published Apr. 20, 1937. Class 21.

Standard Oil Company of New Jersey, Wilmington, Del. Oils made from petroleum, and lubricating greases. 347,466–7; June 29; Serial Nos. 368,991–2; published Nov. 12, 1935. Class 15.

Standard Oil Company of New Jersey, Wilmington, Del. Asphalt. 347,535; June 29; Serial No. 387,355; published Apr. 13, 1937. Class 12.

Standard Oil Development Company, Linden, N. J., Chemical compound. 347,624; June 29; Serial No. 388,855; published Apr. 20, 1937. Class 6.

Standard Wall Covering Company, Inc., Philadelphia, Pa. Architectural wall panels. 347,612; June 29; Serial No. 388,690; published Apr. 13, 1937. Class 12.

Stevens & Thompson Paper Company, New York, N. Y. Toilet paper. 347,607; June 29; Serial No. 388,662; published Apr. 20, 1937. Class 37.

Stoll, A. H., Co., doing business as Morville Liquor Corp., San Francisco, Calif. Whiskey and gin. 347,625; June 29; Serial No. 388,856; published Apr. 20, 1937. Class 49.

Stroock, S., & Co. Inc., New York, N. Y. Woven cloth. 347,531; June 29; Serial No. 387,295; published Apr. 20, 1937. Class 42.

Syndicate-Alliance Trading Co., Inc., New York, N. Y. Women's and misses' sports coats, outer skirts, suits, etc. 347,521; June 29; Serial No. 386,701; published Mar. 23, 1937. Class 39.

Tanzi, Mario, doing business as Mario Tanzi Co., Chicago, Ill. Macaroni. 347,645; June 29; Serial No. 389,157; published Apr. 20, 1937. Class 46.

Taylor-Friedsam Company, The, New York, N. Y. Belting. 347,599; June 29; Serial No. 388,553; published Apr. 20, 1937. Class 42.

Terra Bella Citrus Assn., Terra Bella, Calif. Fresh citrus fruits. 347,473; June 29; Serial No. 374,442; published Apr. 20, 1937. Class 46.

Texas Gulf Sulphur Company, New York, N. Y. Sulphur asphalt compounds. 347,651; June 29; Serial No. 389,203; published Apr. 20, 1937. Class 12.

Union Carbide Company, New York, N. Y. Calcium carbid. 119,405; renewed Nov. 13, 1937.

United American Bosch Corporation, Springfield, Mass. Hot water heaters. 347,686; June 29. Class 34.

United Pure Food Co., New York, N. Y. Edible vegetable oils. 347,659; June 29; Serial No. 389,338; published Apr. 20, 1937. Class 46.

United States Gypsum Company, Chicago, Ill. Sound and vibration insulating mountings, connections, and floors, etc. 347,460; June 29; Serial No. 359,820; published Apr. 13, 1937. Class 12.

United States Quarry Tile Company, Parkersburg, W. Va. Building tiles. 347,549–50; June 29; Serial Nos. 387,804–5; published Apr. 13, 1937. Class 12.

Universal Camera Corporation, New York, N. Y. Cameras. 347,650; June 29; Serial No. 389,202; published Apr. 20, 1937. Class 26.

University of Chicago, The, Chicago, Ill. Periodicals. 347,465; June 29; Serial No. 368,160; published Apr. 20, 1937. Class 38.

Vegeminerals Company. (See Barnes, S. O., & Son.)

Vereeniging "Het Kaasmerk", Leyden, Netherlands. Cheese. 347,456–9; June 29; Serial Nos. 302,197–200; published Apr. 13, 1937. Class 46.

Vereinigte Chemische Fabriken Kreidl, Heller & Co., Vienna, Austria. Opaque colours, opaquing agents, and fusible and vitrifiable colours, etc. 347,513–4; June 29; Serial Nos. 385,999–386,000; published Apr. 13, 1937. Class 6.

Vermont Marble Company, Proctor, Vt. Marble tile. 347,653; June 29; Serial No. 389,278; published Apr. 20, 1937. Class 12.

Victorius, M. L., & Co., Inc., New York, N. Y. Hosiery. 347,461; June 29; Serial No. 360,254; published Apr. 20, 1937. Class 39.

Vimpep Foods, Inc., Cambridge, Md. Dog food and cat food. 347,633; June 29; Serial No. 388,998; published Apr. 20, 1937. Class 46.

Virginia-Carolina Chemical Corporation, Richmond, Va. Fertilizers. 347,634; June 29; Serial No. 389,000; published Apr. 20, 1937. Class 10.

Von Schrader Manufacturing Company, Racine, Wis. Cleaning machines. 347,539; June 29; Serial No. 387,423; published Apr. 20, 1937. Class 23.

Walgreen Co., Chicago, Ill. Playing cards. 347,504; June 29; Serial No. 384,574; published Apr. 20, 1937. Class 22.

Weiss, Max, New York, N. Y. Watches, watch cases, watch movements. 347,552; June 29; Serial No. 387,846; published Apr. 20, 1937. Class 27.

Wells, Leonard H., Zanesville, Ohio. Ground meat sandwiches. 347,499; June 29; Serial No. 383,664; published Apr. 20, 1937. Class 46.

Western Grain Company, Birmingham, Ala. Horse and mule feed, laying mash, scratch feed, etc. 347,671–2; June 29; Serial Nos. 389,538–9; published Apr. 20, 1937. Class 46.

Whitmore Manufacturing Company, The, Cleveland, Ohio. Lubricating oil and grease compounds. 347,507; June 29; Serial No. 385,321; published Apr. 20, 1937. Class 15.

Williams, J. H., & Co., Buffalo, N. Y. Tool handles. 347,500; June 29; Serial No. 383,793; published Apr. 20, 1937. Class 23.

Williamsbridge Mills, Inc., New York, N. Y. Blouses, dresses, skirts, etc. 347,638; June 29; Serial No. 389,026; published Apr. 13, 1937. Class 39.

Wisconsin Great Lakes Coal & Dock Co., Milwaukee, Wis. Coal. 347,544; June 29; Serial No. 387,641; published Apr. 20, 1937. Class 1.

Wishinsky, William, New York, N. Y. Fruit and vegetable juice extracting machines. 347,524; June 29; Serial No. 386,920; published Apr. 20, 1937. Class 23.

Wohl Shoe Company, St. Louis, Mo. Shoes. 347,678; June 29. Class 39.

Yellin, Samuel, doing business as Yellin Dry Goods Company, Boston, Mass. Hosiery, underwear, shirts, etc. 347,502; June 29; Serial No. 384,281; published Apr. 13, 1937. Class 39.

Young's Inc., Providence, R. I. Watch chains, tie chains, compacts, etc. 347,688; June 29. Class 28.

LIST OF REGISTRANTS OF LABELS

Abernathy, St. Elmo, Berkeley, Calif. Asexual and Bisexual Brine Shrimp Eggs. For Asexual and Bisexual Brine Shrimp Eggs. 49,552; June 29.

Abernathy, St. Elmo, Berkeley, Calif. Meal Worms Tenebrio Molitor L., Coleoptera. For Meal Worms. 49,553; June 29.

Ada Milling Co., Ada, Okla. Ada Milling Co. Flour (Dark Blue, Light Blue, Red, Green, and White Pattern). For Flour. 49,554; June 29.

Admiracion Laboratories Inc., Harrison, N. J. Admiracion Solutized Lathering Oil Shampoo. For Lathering Oil Shampoo. 49,555; June 29.

Admiracion Laboratories Inc., Harrison, N. J. Directions for Professional Use. For Lathering Oil Shampoo. 49,556; June 29.

Admiracion Laboratories, Inc., Harrison, N. J. Admiracion Foamy Oil Shampoo. For Foamy Oil Shampoo. 49,557; June 29.

Admiracion Laboratories, Inc., Harrison, N. J. Admiracion Hair Tonic. For a Hair Dressing and Scalp Tonic. 49,558; June 29.

Admiracion Laboratories, Inc., Harrison, N. J. Admiracion Olive Oil Shampoo Treatment. For Olive Oil Shampoo. 49,559; June 29.

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Ginger Molasses Chips. For Ginger Molasses Chips. 49,560; June 29.

Bird & Son, Inc., East Walpole, Mass. Grayflex. For Cartons. 49,561; June 29.

Block's Ice Cream. For Ice Cream. Block's Ice Cream, Inc. 49,562; June 29.

Broadway Central Liquor Co. Inc., New York, N. Y. Menorah Brand-American Light Malaga Wine. For American Light Malaga Wine. 49,563; June 29.

Clayton, A. C., Printing Company, St. Louis, Mo. Beautiful Shoes. For Shoes. 49,564; June 29.

Cline-Johnson, Inc., Owosso, Mich. Chili-Mix. For a Mixed Vegetable Base for Soups, Stews, Mexican Chili, etc. 49,565; June 29.

Coca-Cola Company, The, Wilmington, Del. Drink Coca-Cola. For Coca-Cola. 49,566; June 29.

Cuban Health Products, Inc., Lansing, Mich. Miel Pura de Abejas. For Honey. 49,567; June 29.

Cutasy Laboratories, Inc., New York, N. Y. Pomay Rx 7. For Ointment Used in Method of Weight Reduction. 49,568; June 29.
Delco Brake Division of General Motors Corporation. (See General Motors Corporation.)
De Soto, Rodolfo, Tucson, Ariz. Liquido Tapatic. For a Laxative Compound. 49,569; June 29.
Endo-Lysate Co., Los Angeles, Calif. Endo (El-) Lysate. For Endocrine Lysates. 49,570; June 29.
Esmeralda Canning Co., The, Circleville, Ohio. Country Colonel. For Irish Potatoes. 49,571; June 29.
Ettman, Mitchell Co. Inc., New York, N. Y. Yankee Clipper. For Shoes. 49,572; June 29.
Fitzgerald, Gilbert F., doing business as 20th Century Candy Co., Milwaukee, Wis. Serv-A-Plate. For Candies and Nuts. 49,573; June 29.
General Motors Corporation, doing business as Delco Brake Division of General Motors Corporation, Dayton, Ohio. Delco Hydraulic Brake Service Parts. For Hydraulic Brake Service Parts. 49,574; June 29.
Gold Bond Company, Omaha, Nebr. Aroma Super-Curl, Steam-Oil Reconditioner Solution. For Steam Oil Solution for the Hair. 49,575; June 29.
Hall, Gardiner, Jr. Co., The, Willington, Conn. Hall's Bias Fold Tape. For Tape. 49,576; June 29.
Herring Ginger Ale Inc., Jacksonville, Fla. Dr. Herring's Ginger Ale. For Ginger Ale. 49,577; June 29.
Hoague-Sprague Corporation, Lynn, Mass. Beautiful Footwear. For Boxes. 49,578; June 29.
Hoague-Sprague Corporation, Lynn, Mass. Beautiful Shoes. For Boxes. 49,579; June 29.
Hoppe, Frank A., Inc., Philadelphia, Pa. Hoppe's Nitro Powder Solvent (No. 9). For Nitro Powder Solvent No. 9. 49,580; June 29.
Kasko Distillers Products Corp., Philadelphia, Pa. Maryland Rose. For a Blend of Straight Whiskey. 49,581; June 29.
Lane, Gillette. (See Powe, H. E.)
Langdon, Walter A., Malone, N. Y. Adirondack Gardens, Adirondack's Best Brand. For Fresh Vegetables. 49,582; June 29.
Manning, Benjamin P., Garden Villas, Houston, Tex. Anahuac Brand. For Piquant Peppers. 49,583; June 29.
McCabe Coffee Company, Albuquerque, N. Mex. Old Mission Coffee. For Coffee. 49,584; June 29.
Meccano Company of America, Inc., The, New Haven, Conn., and New York, N. Y. Meccano Microscope Set. For Microscope Sets. 49,585; June 29.
Merchants Extract Company, Denver, Colo. Broth O' Wheat. For Liquid, Meatless Bouillon Concentrate. 49,586; June 29.
Midway Chemical Company, Chicago, Ill. Radiant. For Polish. 49,587; June 29.
Minerva Wax Paper Co., Minerva, Ohio. Today's Sliced Bread. For Bread. 49,588; June 29.
Minerva Wax Paper Co., Minerva, Ohio. Delicious Rye Bread. For Bread. 49,589; June 29.
Minerva Wax Paper Co., Minerva, Ohio. Splendid Bread. For Bread. 49,590; June 29.
Minnesota Valley Canning Company, Le Sueur, Minn. Agi Pak. For Canned Corn. 49,591; June 29.
Mountain State Oil and Supply Company, Huntington, W. Va. Hi-Peak. For Lubricants. 49,592; June 29.
Padre Vineyard Company, Los Angeles, Calif. Val Bros. For California Vermouth. 49,593; June 29.
Parks, Dewey M., San Diego, Calif. Toothache Mix. For Toothache Treatment Kits. 49,594; June 29.
Pollock Paper & Box Company, Dallas, Tex. Golden Glow Creamery Butter. For Butter. 49,595; June 29.
Powe, H. E., assignor to Gillette Lane, San Francisco, Calif. Unipathic Treatment, a Proprietary Medicine. For a Proprietary Medicine. 49,596; June 29.
Reinhold, Arno, doing business as Reinhold Company, Cleveland, Ohio. Bread-Bag. For Water Proof Silk Bags for Containing Foods. 49,597; June 29.
Saniwax Paper Co., Kalamazoo, Mich. Blue Ribbon Bread. For Bread. 49,598; June 29.
San-Nap-Pak Mfg. Co., Inc., New York, N. Y. Tampons. For Tampons. 49,599; June 29.
Schultz Brewing Co. Inc., Union City, N. J. Taste Tells. For Bock Beer. 49,600; June 29.
Sealy, Incorporated, Pittsburgh, Pa. Sealy Air-Vent Box Spring. For Box Springs for Beds. 49,601; June 29.
Sealy, Incorporated, Pittsburgh, Pa. Sealy Enchanted Nights Box Spring. For Box Springs for Beds. 49,602; June 29.
Sealy, Incorporated, Pittsburgh, Pa. Sealy Natural Rest Box Spring. For Box Springs for Beds. 49,603; June 29.
Sealy, Incorporated, Pittsburgh, Pa. Sealy Rest Box Spring. For Box Springs for Beds. 49,604; June 29.
Sealy, Incorporated, Pittsburgh, Pa. Sealy Sleep Charm Box Spring. For Box Springs for Beds. 49,605; June 29.
Sealy, Incorporated, Pittsburgh, Pa. Sealy Sunspun Box Spring. For Box Springs for Beds. 49,606; June 29.
Sealy, Incorporated, Pittsburgh, Pa. Sealy Sunspun Mattress. For Mattresses for Beds. 49,607; June 29.
Sealy, Incorporated, Pittsburgh, Pa. Sealy Super-Rest Box Spring. For Box Springs for Beds. 49,608; June 29.
Sealy, Incorporated, Pittsburgh, Pa. Sealy Truease Box Spring. For Box Springs for Beds. 49,609; June 29.
Sealy, Incorporated, Pittsburgh, Pa. Sealy Tuftless Box Spring. For Box Springs for Beds. 49,610; June 29.
Sleeper, Inc., Chicago, Ill. Congress. For Twin Studio Couches. 49,611; June 29.
Sleeper, Inc., Chicago, Ill. Howard. For Twin Studio Couches. 49,612; June 29.
Sleeper, Inc., Chicago, Ill. Gold Coast. For Mattresses. 49,613; June 29.
Sleeper, Inc., Chicago, Ill. Canton. For Automatic Twin Studio Couches. 49,614; June 29.
Sleeper, Inc., Chicago, Ill. Viking. For Twin Studio Couches. 49,615; June 29.
Sleeper, Inc., Chicago, Ill. Dartmouth. For Twin Studio Couches. 49,616; June 29.
Sleeper, Inc., Chicago, Ill. Michigan. For Twin Studio Couches. 49,617; June 29.
Sleeper, Inc., Chicago, Ill. Standish. For Twin Studio Couches. 49,618; June 29.
Sleeper, Inc., Chicago, Ill. Savoy. For Twin Studio Couches. 49,619; June 29.
Soapless Products Company, New York, N. Y. Abunda. For a Soapless Bath Foam Preparation. 49,620; June 29.
Taylor, Julius W., Baltimore, Md. Instant Death. For a Preparation Used as a Disinfectant and Insecticide. 49,621; June 29.
Thomas, Mrs. J. C., doing business as Thomas Preserving Co., Miami, Fla. Tomalade. For Tomato Preserves. 49,622; June 29.
Tilghman Canning & Packing Company, Montross, Va. Tilghman Fresh River Herring. For Containers for Herring. 49,623; June 29.
Tobacco By-Products & Chemical Corporation (Incorporated), Louisville, Ky. Vapo-Fume Insecticide. For Special Nicotine Compound Used as an Insecticide. 49,624; June 29.
20th Century Candy Co. (See Fitzgerald, Gilbert F.)
United Package Dealers of Massachusetts, Inc., Cambridge, Mass. Honeydale Brand. For Straight Bourbon Whiskey. 49,625; June 29.
Victory Chemical Co., Philadelphia, Pa. "Steri-Flush" Sanitizer. For a Preparation for Cleaning and Deodorizing Toilets. 49,626; June 29.
Waggoner, Norman L., Inc., San Francisco, Calif. Esquire. For Canned Peaches. 49,627; June 29.
Waugh, Harry M., Denver, Colo. Fly-Korps. For Insecticide. 49,628; June 29.
Waxide Paper Company, Kansas City, Mo. Fresh Strawberry Shortcake. For Strawberry Shortcake. 49,629; June 29.
Wrigley, Wm., Jr. Company, Chicago, Ill. Wrigley's Spearmint. For Chewing Gum. 49,630; June 29.
Wrigley, Wm., Jr. Company, Chicago, Ill. Wrigley's Double Mint Chewing Gum. For Chewing Gum. 49,631; June 29.

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. 1¢ Sale. Chocolates for 1¢ Per Pound. For Candy and Nuts. 16,286; June 29.
Dairymen's League Co-Operative Association, Inc., Utica, N. Y. Dairylea Process American Cheese. For Cheese. 16,287; June 29.
Fowler, Ernest, Oakland, Calif. Circular #1. For Olive Oil Soap and Soap Dispensers. 16,288; June 29.
Hills Bros., San Francisco, Calif. Miles Ahead in Flavor—Adform 174. For Coffee. 16,289; June 29.
Hills Bros., San Francisco, Calif. The Correct Grind—Hills Bros Coffee—For Best Results by any Method of Coffee-Making—Adform 176. For Coffee. 16,290; June 29.
Hills Bros., San Francisco, Calif. Miles Ahead in Flavor—The Correct Grind for Best Results by any Method of Coffee-Making—Adform 177. For Coffee. 16,291; June 29.
Hills Bros., San Francisco, Calif. Imagine What This Toaster Might Say (6-⅛ by 10). For Coffee. 16,292; June 29.
Hills Bros., San Francisco, Calif. A Dining Room Chair Expresses Its Thoughts (6-⅛ by 10). For Coffee. 16,293; June 29.
Hills Bros., San Francisco, Calif. Reveries of a Coffee Cup (6-⅛ by 10). For Coffee. 16,294; June 29.
Hills Bros., San Francisco, Calif. Words that a Pencil Could Write (6-⅛ by 10). For Coffee. 16,295; June 29.
Hills Bros., San Francisco, Calif. This is the Staircase Speaking (6-⅛ x 10). For Coffee. 16,296; June 29.
Hills Bros., San Francisco, Calif. If a Kitchen Cabinet Could Talk (6-⅛ by 10). For Coffee. 16,297; June 29.
Hills Bros., San Francisco, Calif. If a Fireplace Could Have a Voice (6-⅛ x 10). For Coffee. 16,298; June 29.

Hills Bros., San Francisco, Calif. Comments of a Coffee Pot (6-⅛ x 10). For Coffee. 16,299; June 29.
Hills Bros., San Francisco, Calif. Imagine What This Toaster Might Say (6-⅛ by 15). For Coffee. 16,300; June 29.
Hills Bros., San Francisco, Calif. If a Kitchen Cabinet Could Talk (6-⅛ by 15). For Coffee. 16,301; June 29.
Hills Bros., San Francisco, Calif. This is the Staircase Speaking (6-⅛ by 15). For Coffee. 16,302; June 29.
Hills Bros., San Francisco, Calif. Words that a Pencil Could Write (6-⅛ by 15). For Coffee. 16,303; June 29.
Hills Bros., San Francisco, Calif. Reveries of a Coffee Cup (6-⅛ by 15). For Coffee. 16,304; June 29.
Hills Bros., San Francisco, Calif. A Dining-Room Chair Expresses Its Thoughts (6-⅛ x 15). For Coffee. 16,305; June 29.
Hills Bros., San Francisco, Calif. If a Fireplace Could Have a Voice (6-⅛ x 15). For Coffee. 16,306; June 29.
Hills Bros., San Francisco, Calif. Comments of a Coffee Pot (6-⅛ by 15). For Coffee. 16,307; June 29.
Hoppe, Frank A., Inc., Philadelphia, Pa. Clean Your Firearms Regularly—With Hoppe's No. 9. For Gun Cleaning Products. 16,308; June 29.
King, William, New York, N. Y. King Quality Poultry. For Poultry. 16,309; June 29.
Parke, Davis & Company, Detroit, Mich. Stop Danger—Heed the Plea for Safety. For Surgical Dressings. 16,310; June 29.
Parker Pen Company, The, Janesville, Wis. Be on Your Guard Against 1937 Pens with 1907 Mechanisms. For Fountain Pens, Mechanical Pencils and Ink. 16,311; June 29.
Philadelphia and Reading Coal and Iron Company, The, Philadelphia, Pa. Finger-Tip Heat Control. For Coal. 16,312; June 29.
Philadelphia and Reading Coal and Iron Company, The, Philadelphia, Pa. For Solid Comfort. For Coal. 16,313; June 29.
Sears, Joseph F., Yakima, Wash. Use Meat Daily. For Meat. 16,314; June 29.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Wisconsin Great Lakes Coal & Dock Co. 347,544; June 29; Serial No. 387,641; published Apr. 20, 1937.
Composition products of cast synthetic resin. Marblette Corporation. 347,606; June 29; Serial No. 388,647; published Apr. 20, 1937.
Leather. B. D. Eisendrath Tanning Company. 347,505; June 29; Serial No. 384,888; published Apr. 20, 1937.
Rock. E. R. Mayer. 347,475; June 29; Serial No. 374,724; published Apr. 14, 1936.

CLASS 2

Tanks, Ferro-concrete. Borsari & Cie. 347,525; June 29; Serial No. 386,981; published Apr. 20, 1937.
Wrappers and bags, Empty. Joe Lowe Corporation. 347,497; June 29; Serial No. 383,586; published Apr. 20, 1937.
Wrappers and bags, Empty. Joe Lowe Corporation. 347,498; June 29; Serial No. 383,589; published Apr. 20, 1937.

CLASS 4

Abrasives. Höganäs-Billesholms Aktiebolag. 347,543; June 29; Serial No. 387,622; published Apr. 20, 1937.
Chemical compositions. General Aniline & Chemical Company. 347,643; June 29; Serial No. 389,092; published Apr. 20, 1937.
Chemical compounds for use as detergents, Soluble. Cowles Detergent Company. 347,561; June 29; Serial No. 388,121; published Apr. 20, 1937.
Cleaning compound. Parfums Duvee, Inc. 347,663; June 29; Serial No. 389,372; published Apr. 20, 1937.
Cleaning compound, Industrial and household. Johns-Manville Corporation. 347,603; June 29; Serial No. 388,616; published Apr. 20, 1937.
Cleaning preparation. Non-glare Chemical Company. 347,519; June 29; Serial No. 386,655; published Apr. 20, 1937.
Cleanser, all purpose cleanser, and automobile dry cleaning compound, Hand. E. F. Rulison. 347,520; June 29; Serial No. 386,663; published Apr. 20, 1937.
Detergent. Cowles Detergent Company. 347,594; June 29; Serial No. 388,493; published Apr. 20, 1937.
Detergent compound, Liquid. Hercules Powder Company. 347,656; June 29; Serial No. 389,318; published Apr. 20, 1937.
Powder for cleaning dentures and denture plates. J. C. Mequier. 347,658; June 29; Serial No. 389,326; published Apr. 20, 1937.
Saponaceous compounds. Shulton, Inc. 347,640; June 29; Serial No. 389,041; published Apr. 20, 1937.
Soap and shaving cream, Shaving. G. J. Basel. 347,644; June 29; Serial No. 389,109; published Apr. 20, 1937.
Soaps, Toilet. Marshall Field & Company. 347,573; June 29; Serial No. 388,262; published Apr. 20, 1937.

CLASS 5

Cement, Adhesive. B. K. Albrecht. 347,480; June 29; Serial No. 376,748; published Apr. 20, 1937.

CLASS 6

Ammonium sulfate, ammonium chloride, caustic soda, etc. Great Western Electro-Chemical Company. 347,608–10; June 29; Serial Nos. 388,676–8; published Apr. 20, 1937.
Anti-asthmatic. Alba Pharmaceutical Company. 347,604; June 29; Serial No. 388,630; published Apr. 13, 1937.
Aspirin tablets. Eljay Corporation. 347,637; June 29; Serial No. 389,014; published Apr. 20, 1937.
Calcium carbid. Union Carbide Company. 119,405; renewed Nov. 13, 1937.
Chemical compound. E. I. du Pont de Nemours and Company. 347,578; June 29; Serial No. 388,314; published Apr. 13, 1937.
Chemical compound. Standard Oil Development Company. 347,624; June 29; Serial No. 388,855; published Apr. 20, 1937.
Chemotherapeutic agent for streptococcic and staphylococcic infections. Alba Pharmaceutical Company. 347,605; June 29; Serial No. 388,631; published Apr. 20, 1937.
Colours, opaquing agents, and fusible and vitrifiable colours etc., Opaque. Vereinigte Chemische Fabriken Kreidl, Heller & Co. 347,513–14; June 29; Serial Nos. 385,999–6,000; published Apr. 13, 1937.
Compound to be sprayed on sheets after they have been printed to prevent offsetting. American Type Founders Sales Corporation. 347,556; June 29; Serial No. 387,935; published Apr. 13, 1937.
Cream for chapped skin, Healing. E. R. Jarvis. 347,515; June 29; Serial No. 386,164; published Apr. 20, 1937.
Disinfectant. McKesson & Robbins, Incorporated. 117,681; renewed July 24, 1937.
Insecticides, fungicides, and weed killers. Chipman Chemical Company. 347,472; June 29; Serial No. 373,675; published Aug. 4, 1936.
Lipstick, rouge, face powder, etc. Associated Distributors, Inc. 347,554; June 29; Serial No. 387,885; published Apr. 13, 1937.
Liquid used as a solvent and plasticizer. Hercules Powder Company. 347,526; June 29; Serial No. 387,185; published Apr. 20, 1937.
Medical preparation. P. Bartoli. 347,621; June 29; Serial No. 388,826; published Apr. 20, 1937.
Oil, Silk preserving. Martin Dennis Company. 347,580; June 29; Serial No. 388,327; published Apr. 13, 1937.
Ointment preparation, Healing. Wm. S. Merrell Company. 347,602; June 29; Serial No. 388,585; published Apr. 13, 1937.
Oxygen, acetylene, and nitrogen. Air Reduction Company. 119,238; renewed Nov. 13, 1937.
Perfume. Lucien Lelong Inc. 347,534; June 29; Serial No. 387,330; published Apr. 13, 1937.
Perfume. Parfums Charbert, Inc. 347,613; June 29; Serial No. 388,722; published Apr. 20, 1937.
Perfumes. J. Ravaud. 347,538; June 29; Serial No. 387,396; published Apr. 13, 1937.
Perfumes and cosmetic creams. Lentheric, Incorporated. 347,582; June 29; Serial No. 388,355; published Apr. 13, 1937.
Peroxide of hydrogen. John Bené & Sons Inc. 347,569; June 29; Serial No. 388,204; published Apr. 13, 1937.
Poisons, Insect. J. B. Rosefield. 347,548; June 29; Serial No. 387,711; published Apr. 20, 1937.
Powder, Talcum. George W. Button Corporation. 347,684; June 29.
Preparation for nasal application in the treatment of colds. Wm. S. Merrell Company. 347,601; June 29; Serial No. 388,584; published Apr. 13, 1937.
Preparation for preserving and strengthening the fabric of both real and artificial silk. A. F. Greene. 347,518; June 29; Serial No. 386,488; published Apr. 20, 1937.
Preparation for the stomach, liver, and bowels. Blacko Medicine Co. 108,416; renewed Feb. 8, 1936.
Salve. Kolsterol, Incorporated. 347,533; June 29; Serial No. 387,328; published Apr. 13, 1937.
Salve or ointment, Witch hazel. Lanman & Kemp-Barclay & Co. Incorporated. 347,622; June 29; Serial No. 388,841; published Apr. 20, 1937.
Sedative-hypnotic pharmaceutical preparation. Charles C. Haskell & Co. 347,618; June 29; Serial No. 388,774; published Apr. 20, 1937.
Tooth paste and tooth powder. Pro-phy-lac-tic Brush Company. 347,509; June 29; Serial No. 385,367; published Apr. 13, 1937.
Vegetables in tablet form, Dehydrated, powdered. S. O. Barnes & Son. 347,506; June 29; Serial No. 385,029; published Apr. 13, 1937.

Vitamin B preparation. Hoffmann-La Roche, Inc. 347,553; June 29; Serial No. 387,867; published Apr. 13, 1937.

CLASS 10

Fertilizers. Virginia-Carolina Chemical Corporation. 347,634; June 29; Serial No. 389,000; published Apr. 20, 1937.

CLASS 11

Typewriter ribbons and carbon paper. Columbia Ribbon & Carbon Mfg. Co. 347,654; June 29; Serial No. 389,306; published Apr. 20, 1937.

CLASS 12

Asphalt. Standard Oil Company of New Jersey. 347,535; June 29; Serial No. 387,355; published Apr. 13, 1937.
Asphalt compounds, Sulphur. Texas Gulf Sulphur Company. 347,651; June 29; Serial No. 389,203; published Apr. 20, 1937.
Brick and manufactured concrete and similar building material, Manufactured. E. R. Mayer. 347,476; June 29; Serial No. 374,725; published Apr. 20, 1937.
Metal articles, Cast. American Abrasive Metals Company. 347,635–6; June 29; Serial Nos. 389,005–6; published Apr. 20, 1937.
Refractory materials. Dolomite Products Company. 119,178; renewed Oct. 30, 1937.
Sound and vibration insulating mountings, connections, and floors, etc. United States Gypsum Company. 347,460; June 29; Serial No. 359,820; published Apr. 13, 1937.
Tile, Marble. Vermont Marble Company. 347,653; June 29; Serial No. 389,278; published Apr. 20, 1937.
Tiles, Building. United States Quarry Tile Company. 347,549–50; June 29; Serial Nos. 387,804–5; published Apr. 13, 1937.
Wall panels, Architectural. Standard Wall Covering Company. 347,612; June 29; Serial No. 388,690; published Apr. 13, 1937.
Weatherstrips, Metal. Monarch Metal Weatherstrip Corporation. 347,537; June 29; Serial No. 387,389; published Apr. 20, 1937.

CLASS 13

Staples and staple blanks, Machine. Burgess Company. 347,677; June 29.

CLASS 15

Oil and grease compounds, Lubricating. Whitmore Manufacturing Company. 347,507; June 29; Serial No. 385,321; published Apr. 20, 1937.
Oils and greases. Standard Oil Company of New Jersey. 347,466–7; June 29; Serial Nos. 368,991–2; published Nov. 12, 1935.
Petroleum products. Consumers Oil Company. 347,589; June 29; Serial No. 388,433; published Apr. 13, 1937.

CLASS 16

Paints, paint enamels, and lacquers, Ready mixed. Meshkote Corporation. 347,680; June 29.

CLASS 21

Batteries, Storage. Goodyear Tire & Rubber Company. 347,660–1; June 29; Serial Nos. 389,352–3; published Apr. 20, 1937.
Batteries, Storage. Goodyear Tire & Rubber Company. 347,662; June 29; Serial No. 389,355; published Apr. 20, 1937.
Cable, ignition wire, and friction tape, Ignition. Southern Friction Materials Company. 347,664; June 29; Serial No. 389,387; published Apr. 20, 1937.
Current, Apparatus for rectifying electric. B-L Electric Manufacturing Co. 347,596; June 29; Serial No. 388,526; published Apr. 20, 1937.
Electric contacts. Fansteel Metallurgical Corporation. 347,562–4; June 29; Serial Nos. 388,129–31; published Apr. 20, 1937.
Radio-telephone communication system, Inter-office. W. Speigel. 347,542; June 29; Serial No. 387,519; published Apr. 20, 1937.
Telephone power amplified loud speaker two-way communication systems, Electrical. Lake Manufacturing Company. 347,566; June 29; Serial No. 388,138; published Apr. 20, 1937.
Telephone systems, telephone equipment, and parts thereof. Automatic Electric Company. 347,488; June 29; Serial No. 381,957; published Apr. 20, 1937.

CLASS 22

Bait, Artificial fish. Enterprise Manufacturing Company. 347,675; June 29; Serial No. 390,019; published Apr. 20, 1937.
Cards and games, together with boards and equipment, Playing. F. C. H. Müller. 347,587; June 29; Serial No. 388,403; published Apr. 20, 1937.
Cards, Playing. Walgreen Co. 347,504; June 29; Serial No. 384,574; published Apr. 20, 1937.
Games. Checard Company. 347,676; June 29; Serial No. 390,044; published Apr. 20, 1937.
Toy building blocks. S. R. Shapiro. 347,639; June 29; Serial No. 389,040; published Apr. 20, 1937.
Toy guns. G. E. Miller. 347,586; June 29; Serial No. 388,402; published Apr. 20, 1937.

CLASS 23

Apparatus for collecting and separating grit, etc. from air. Micromatic Hone Corporation. 347,495; June 29; Serial No. 382,991; published Apr. 20, 1937.
Apparatus for tightening bolts and the like. Micromatic Hone Corporation. 347,493; June 29; Serial No. 382,987; published Apr. 20, 1937.
Cleaning machines. Von Schrader Manufacturing Company. 347,539; June 29; Serial No. 387,423; published Apr. 20, 1937.
Cylinder liners and valve seatings. Hepworth & Grandage Limited. 347,523; June 29; Serial No. 386,897; published Apr. 20, 1937.
Gassifier for internal combustion motors, Fuel oil. J. G. Pretti. 347,555; June 29; Serial No. 387,919; published Apr. 20, 1937.
Handles, Tool. J. H. Williams & Co. 347,500; June 29; Serial No. 383,793; published Apr. 20, 1937.
Hone. Micromatic Hone Corporation. 347,494; June 29; Serial No. 382,989; published Apr. 20, 1937.
Implements, Agricultural. Harriman Manufacturing Company. 119,073; renewed Oct. 23, 1937.
Juice extracting machines, Fruit and vegetable. W. Wishinsky. 347,524; June 29; Serial No. 386,920; published Apr. 20, 1937.
Machines for forming, etc., roads, hydraulic pumps, and hoists. Kay-Brunner Steel Products Inc. 347,481; June 29; Serial No. 377,742; published Apr. 20, 1937.
Polishers and floor polisher attachments for suction cleaners, Floor. P. A. Geier Company. 347,508; June 29; Serial No. 385,352; published Apr. 20, 1937.

CLASS 24

Ironing boards. Brewer-Titchener Corporation. 347,616; June 29; Serial No. 388,761; published Apr. 20, 1937.

CLASS 26

Apparatus for aligning blocks to be machined. Micromatic Hone Corporation. 347,492; June 29; Serial No. 382,985; published Apr. 20, 1937.
Cameras. Universal Camera Corporation. 347,650; June 29; Serial No. 389,202; published Apr. 20, 1937.
Films and photographic filters, Photographic. Dufaycolor, Inc. 347,693; June 29.
Indicator for use in connection with condensers, etc., Sight. G. F. Gerdts. 347,470; June 29; Serial No. 371,770; published Apr. 20, 1937.
Photographic developing kit comprising chemicals, etc. Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth. 347,496; June 29; Serial No. 383,393; published Apr. 20, 1937.

CLASS 27

Watch mainspring. H. Segal. 347,567; June 29; Serial No. 388,146; published Apr. 20, 1937.
Watches, watch cases, watch movements. M. Weiss. 347,552; June 29; Serial No. 387,846; published Apr. 20, 1937.

CLASS 28

Chains, tie chains, compacts, etc., Watch. Young's Inc. 347,688; June 29.
Flatware, hollow ware, etc., Sterling silver and silver plated. National Silver Company. 347,694; June 29.
Jewelry. Osthy and Barton Company. 347,570; June 29; Serial No. 389,469; published Apr. 27, 1937.
Pins, clips, hair ornaments, etc. Cohn & Rosenberger, Inc. 347,683; June 29.
Rings, brooches, necklaces, etc., Finger. Goodman & Company. 347,679; June 29.

CLASS 31

Refrigerators. Gibson Electric Refrigerator Corporation. 347,565; June 29; Serial No. 388,136; published Apr. 20, 1937.

CLASS 32

Blinds, Venetian. Carey-McFall Co. 347,667; June 29; Serial No. 389,404; published Apr. 20, 1937.
Blinds, Venetian. Carey-McFall Co. 347,668; June 29; Serial No. 389,455; published Apr. 20, 1937.
Couches and day beds. M. Lipps. 347,474; June 29; Serial No. 374,624; published Apr. 20, 1937.
Furniture. Bullock's, Inc. 347,682; June 29.
Mattresses, cushions, studio couches, etc. International Bedding Company. 347,591–2; June 29; Serial Nos. 388,453–4; published Apr. 20, 1937.

CLASS 34

Heaters, Hot water. United American Bosch Corporation. 347,686; June 29.

CLASS 35

Tires, Rubber. Atlas Supply Company. 347,559; June 29; Serial No. 388,044; published Apr. 20, 1937.

CLASS 36

Drums, banjos, and guitars. Fred. Gretsch Manufacturing Co. 347,503; June 29; Serial No. 384,377; published Apr. 6, 1937.
Saxophones, clarinets, trumpets, etc. H. & A. Selmer Inc. 347,581; June 29; Serial No. 388,333; published Apr. 20, 1937.

CLASS 37

Paper and writing-paper, Printing. Henry Lindenmeyer & Sons. 116,958; renewed June 5, 1937.
Paper, Toilet. Stevens & Thompson Paper Company. 347,607; June 29; Serial No. 388,662; published Apr. 20, 1937.
Paper, Waxed. Menasha Products Company. 347,484; June 29; Serial No. 379,120; published Apr. 20, 1937.
Wallpaper. Prager Co. 347,689; June 29.

CLASS 38

Magazine, Monthly. Globe Magazines, Inc. 347,665; June 29; Serial No. 389,394; published Apr. 20, 1937.
Magazines. Payson Publishing, Inc. 347,558; June 29; Serial No. 388,023; published Apr. 20, 1937.
Newspaper column. Financial Guide Publishing Corporation. 347,590; June 29; Serial No. 388,441; published Apr. 20, 1937.
Periodical. C. D. Hudson. 347,673; June 29; Serial No. 389,559; published Apr. 20, 1937.
Periodicals. University of Chicago. 347,465; June 29; Serial No. 368,160; published Apr. 20, 1937.
Photographs and photo-mechanical reproductions of the same. Colour Photographs (British & Foreign) Limited. 347,652; June 29; Serial No. 389,234; published Apr. 20, 1937.
Section in a magazine. J. McK. Cattell. 347,588; June 29; Serial No. 388,432; published Apr. 20, 1937.

CLASS 39

Beachwear. Irwill Knitwear Corp. 347,571; June 29; Serial No. 388,234; published Apr. 13, 1937.
Blouses, dresses, skirts, etc. Williamsbridge Mills, Inc. 347,638; June 29; Serial No. 389,026; published Apr. 13, 1937.
Boots and shoes. International Shoe Co. 347,692; June 29.
Clothing, Men's. Hausman, Newman & Miller, Inc. 347,540; June 29; Serial No. 387,467; published Apr. 6, 1937.
Coats and suits. Kaufman-Herstone, Inc. 347,632; June 29; Serial No. 388,985; published Apr. 20, 1937.
Coats and suits. Frank Levinsohn & Bros. Inc. 347,620; June 29; Serial No. 388,786; published Apr. 20, 1937.
Coats and suits. Frank Levinsohn & Bros. Inc. 347,623; June 29; Serial No. 388,842; published Apr. 20, 1937.
Coats and suits, Women's and misses'. A. Davis & Sons, Inc. 347,483; June 29; Serial No. 378,740; published Apr. 20, 1937.
Coats, Children's rain. Cable Raincoat Company. 347,646; June 29; Serial No. 389,168; published Apr. 20, 1937.
Coats, cloaks, wraps, etc. Salt's Textile Manufacturing Company. 117,268–9; renewed June 26, 1937.
Coats, outer skirts, suits, etc., Women's and misses' sports. Syndicate-Alliance Trading Co. 347,521; June 29; Serial No. 386,701; published Mar. 23, 1937.
Coats, raincoats, sport coats, etc., Trench. Jacob Finkelstein & Sons. 347,478; June 29; Serial No. 375,139; published Apr. 28, 1936.
Coats, Women's. Indictor, Kofsky & Haberman, Inc. 347,486; June 29; Serial No. 380,000; published Apr. 13, 1937.
Dresses. Gallant Frocks, Inc. 347,600; June 29; Serial No. 388,572; published Apr. 13, 1937.
Dresses. Lang-Kohn Manufacturing Company. 347,598; June 29; Serial No. 388,535; published Apr. 13, 1937.
Dresses and blouses. M. Dunn. 347,670; June 29; Serial No. 389,505; published Apr. 20, 1937.
Dresses, Babies'. R. M. Hay Company. 347,560; June 29; Serial No. 388,061; published Apr. 20, 1937.
Dresses, coats, suits, etc. Russeks Fifth Avenue Inc. 347,593; June 29; Serial No. 388,483; published Apr. 13, 1937.
Dresses, gowns, wraps, etc. M. Silver. 347,491; June 29; Serial No. 382,963; published Apr. 13, 1937.
Dresses or frocks, suits, and coats. Alexander S. Gross, Inc. 347,528; June 29; Serial No. 387,244; published Apr. 20, 1937.
Dresses, smocks, work uniforms, etc. Chic Manufacturing Co. 347,691; June 29.
Footwear. Mondl Manufacturing Company. 347,681; June 29.
Hosiery. Arlington Silk Hosiery Co. Inc. 347,511; June 29; Serial No. 385,962; published Apr. 13, 1937.
Hosiery. Asheboro Hosiery Mills, Inc. 347,512; June 29; Serial No. 385,964; published Apr. 13, 1937.
Hosiery. D. M. Conn. 347,529; June 29; Serial No. 387,268; published Apr. 13, 1937.
Hosiery. Herbert Hosiery Mills, Inc. 347,619; June 29; Serial No. 388,775; published Apr. 20, 1937.
Hosiery. Interwoven Stocking Company. 347,647; June 29; Serial No. 389,182; published Apr. 20, 1937.
Hosiery. M. L. Victorius & Co. 347,461; June 29; Serial No. 360,254; published Apr. 20, 1937.
Hosiery, underwear, shirts, etc. S. Yellin. 347,502; June 29; Serial No. 384,281; published Apr. 13, 1937.
Jackets, pants, and skirts, Ski, skating, and sport. I. C. Isaacs & Company. 347,541; June 29; Serial No. 387,505; published Apr. 20, 1937.
Overcoats and top coats. C. B. Shane Corporation. 347,649; June 29; Serial No. 389,199; published Apr. 20, 1937.
Overcoats, Men's and boys'. Levy Bros. & Adler Rochester, Incorporated. 347,463; June 29; Serial No. 366,948; published Sept. 29, 1936.
Pants, breeches, blouses, etc., Work. Drybak Corporation. 347,577; June 29; Serial No. 388,313; published Apr. 20, 1937.
Raincoats and waterproof suits. Dube & Reingold, Inc. 347,530; June 29; Serial No. 387,270; published Apr. 20, 1937.
Shirts, jackets, overalls, etc. Blass-Meyers Mfg. Co. 347,517; June 29; Serial No. 386,478; published Apr. 13, 1937.
Shoes. Wohl Shoe Company. 347,678; June 29.
Shoes and slippers. Dainty Maid Slippers, Inc. 347,522; June 29; Serial No. 386,725; published Mar. 30, 1937.
Suits and overcoats. P & Q Shops Inc. 347,666; June 29; Serial No. 389,395; published Apr. 20, 1937.
Suits, coats, dresses, etc., Women's and children's. Anthony Brothers. 347,576; June 29; Serial No. 388,301; published Apr. 20, 1937.
Suits, dresses, rompers, etc. Kiddies Pal, Inc. 347,595; June 29; Serial No. 388,502; published Apr. 13, 1937.
Suits, Men's. H. A. Seinsheimer Company. 347,614–5; June 29; Serial Nos. 388,730–1; published Apr. 13, 1937.
Suits, Men's outer. Rogers Peet Company. 347,611; June 29; Serial No. 388,686; published Apr. 13, 1937.
Sweat-bands for hats. Brigham Hopkins Co. 118,880; renewed Oct. 9, 1937.
Sweaters and dresses. Cohen Bros. Corp. 347,617; June 29; Serial No. 388,767; published Apr. 13, 1937.
Underwear. Julius Kayser & Co. 347,584; June 29; Serial No. 388,396; published Apr. 13, 1937.
Vests, and windbreakers. All America Garment Company. 347,485; June 29; Serial No. 379,782; published Aug. 4, 1936.
Vests, bloomers, panties, etc., Knitted. Kingsboro Silk Mills, Inc. 347,568; June 29; Serial No. 388,197; published Apr. 13, 1937.

CLASS 42

Belting. Taylor-Friedsam Company. 347,599; June 29; Serial No. 388,553; published Apr. 20, 1937.
Cloth. Broad Brook Company. 347,690; June 29.
Cloth, Woven. S. Stroock & Co. Inc. 347,531; June 29; Serial No. 387,295; published Apr. 20, 1937.
Cotton cloth. Lincoln Fabrics. 347,557; June 29; Serial No. 387,947; published Apr. 20, 1937.
Curtains, Window. Sears, Roebuck and Co. 347,626; June 29; Serial No. 388,873; published Apr. 20, 1937.
Deulms in the piece. Erwin Cotton Mills Co. 347,685; June 29.
Fabrics, Woven, knitted, netted, and pile. Mallinson Fabrics Corporation. 347,695; June 29.
Rayon and acetate cloth. Chopak Textile Co. Inc. 347,629; June 29; Serial No. 388,913; published Apr. 20, 1937.
Woolen and worsted cloths, jersey cloths, eiderdowns, etc. Continental Mills, Inc. 347,642; June 29; Serial No. 389,055; published Apr. 20, 1937.

CLASS 45

Beverages. Apex Beverage Co. 347,631; June 29; Serial No. 388,971; published Apr. 20, 1937.
Beverages, Cereal. Peter Schoenhofen Brewing Company. 116,686; renewed May 15, 1937.
Beverages, Fruit juice. Richmond-Chase Company. 347,487; June 29; Serial No. 380,666; published Aug. 25, 1936.
Syrup used in mixing drinks. W. O. Sommers, Inc. 347,574; June 29; Serial No. 388,284; published Apr. 20, 1937.
Water in its natural state and carbonated water. Sieur de Monts Spring Company. 118,230; renewed Aug. 21, 1937.

CLASS 46

Butter, Creamery. Mutual Creamery Company. 117,186–7; renewed June 19, 1937.
Butter, Substitute for. B. J. Johnson Soap Co. 117,873; renewed Aug. 7, 1937.
Candies. National Candy Company. 118,560; renewed Sept. 18, 1937.
Candy. Meadow Brook Candy Co. 347,572; June 29; Serial No. 388,253; published Apr. 20, 1937.
Candy. E. Rosen Company. 347,479; June 29; Serial No. 375,955; published June 2, 1936.
Canned apricots, peaches, and pineapple. Independent Grocers' Alliance Distributing Co. 347,482; June 29; Serial No. 378,256; published July 28, 1936.
Canned fruits and canned fish. Food Associates, Inc. 347,532; June 29; Serial No. 387,320; published Apr. 13, 1937.
Canned fruits and vegetables, coffee, etc. Allen, Slade & Co. Inc. 347,641; June 29; Serial No. 389,050; published Apr. 13, 1937.
Canned fruits, canned vegetables. F. J. Maynard. 347,527; June 29; Serial No. 387,195; published Apr. 20, 1937.
Cheese. John F. Jelke Company. 347,490; June 29; Serial No. 382,917; published Apr. 20, 1937.
Cheese. Vereeniging "Het Knasmerk". 347,456–6; June 29; Serial Nos. 302,197–200; published Apr. 13, 1937.

Cheese, cheese mixed with wine, and cheese mixed with liquors. Barthold Michels' Son Co. 347,551; June 29; Serial No. 387,813; published Apr. 20, 1937.
Chocolates and candies. Societe Menier. 347,627; June 29; Serial No. 388,874; published Apr. 20, 1937.
Coffee. Jack Frost Coffee Co. Inc. 347,468; June 29; Serial No. 369,699; published Apr. 14, 1936.
Cooking ingredients for enriching, thickening, etc., gravies, soups, and the like. P. N. Battin. 347,516; June 29; Serial No. 386,335; published Apr. 20, 1937.
Crackers, cakes, and cookies. Loose-Wiles Biscuit Company. 347,648; June 29; Serial No. 389,188; published Apr. 20, 1937.
Crackers, cakes, and cookies. Loose-Wiles Biscuit Company. 347,674; June 29; Serial No. 389,740; published Apr. 20, 1937.
Eggs. Emil Fleischl & Son. 347,579; June 29; Serial No. 388,317; published Apr. 13, 1937.
Eggs, poultry, and turkeys. Southern Calif. Poultry Co. 347,510; June 29; Serial No. 385,542; published Apr. 20, 1937.
Eggs, Shell. Borden Company. 347,546; June 29; Serial No. 387,697; published Apr. 13, 1937.
Eggs, Shell. Borden Company. 347,597; June 29; Serial No. 388,528; published Apr. 20, 1937.
Endives, Fresh. Fynaut & Popek. 347,547; June 29; Serial No. 387,703; published Apr. 20, 1937.
Feed, laying mash, scratch feed, etc., Horse and mule. Western Grain Company. 347,671–2; June 29; Serial Nos. 389,538–9; published Apr. 20, 1937.
Feed, Poultry and stock. Collis Products Company. 347,545; June 29; Serial No. 387,659; published Apr. 13, 1937.
Feeds, Stock and poultry. Albers Bros. Milling Co. 347,575; June 29; Serial No. 388,299; published Apr. 20, 1937.
Flour, rolled oats, breakfast cereal, etc., Buckwheat and wheat. Albers Bros. Milling Co. 347,469; June 29; Serial No. 371,752; published July 28, 1936.
Flour, Wheat. Bloom-Rosenblum-Klein Company. 347,464; June 29; Serial No. 367,141; published Apr. 20, 1937.
Flour, Wheat. Colorado Milling & Elevator Co. 119,044–5; renewed Oct. 23, 1937.
Food and cat food, Dog. Vimpep Foods, Inc. 347,633; June 29; Serial No. 388,998; published Apr. 20, 1937.
Fruit, Fresh. Giordano Bros. 347,501; June 29; Serial No. 384,069; published Apr. 13, 1937.
Fruits and fresh grapes, Fresh deciduous. Hall Packing Company. 347,471; June 29; Serial No. 372,057; published Apr. 20, 1937.
Fruits, Citrus. A. S. Holden. 347,630; June 29; Serial No. 388,937; published Apr. 20, 1937.
Fruits, Fresh citrus. Terra Bella Citrus Assn. 347,473; June 29; Serial No. 374,442; published Apr. 20, 1937.
Fruits, fresh deciduous fruits, and fresh vegetables, Fresh citrus. Angeles Fruit & Produce Co. 347,628; June 29; Serial No. 388,889; published Apr. 13, 1937.
Fruits, vegetables, and melons, Fresh citrus and deciduous. A. Levin & Co. 347,536; June 29; Serial No. 387,381; published Apr. 20, 1937.
Honey. John G. Paton Company. 347,462; June 29; Serial No. 361,706; published Apr. 20, 1937.
Juices, Fruit and vegetable. Richmond-Chase Company. 347,687; June 29.
Macaroni. M. Tanzi. 347,645; June 29; Serial No. 389,157; published Apr. 20, 1937.
Meat and products prepared therefrom. Corporacion Argentina de Productores de Carnes. 347,655; June 29; Serial No. 389,307; published Apr. 20, 1937.
Mustard. W. J. Bellville. 14,371; re-renewed May 10, 1937.
Oils, Edible vegetable. United Pure Food Co. 347,659; June 29; Serial No. 389,338; published Apr. 20, 1937.
Peanut butter. Schindler's Peanut Products, Inc. 347,477; June 29; Serial No. 374,856; published Apr. 20, 1937.
Rice. Louisiana State Rice Milling Company. 347,585; June 29; Serial No. 388,398; published Apr. 20, 1937.
Sandwiches, Ground meat. L. H. Welis. 347,499; June 29; Serial No. 383,664; published Apr. 20, 1937.
Vegetables, Fresh. C. I. & M. Dingfelder. 347,583; June 29; Serial No. 388,392; published Apr. 20, 1937.
Vegetables, Fresh. Schofel Bros., Inc. 347,669; June 29; Serial No. 389,478; published Apr. 20, 1937.

CLASS 48

Beer. Luchow Importing Corporation. 347,657; June 29; Serial No. 389,324; published Apr. 20, 1937.

CLASS 49

Whiskey and gin. A. H. Stoll Co. 347,625; June 29; Serial No. 388,856; published Apr. 20, 1937.
Whisky, Scotch. Findlater Mackie Todd & Co. Limited. 347,489; June 29; Serial No. 382,867; published Apr. 20, 1937.

LIST OF LABELS

Abunda. For a Soapless Bath Foam Preparation. Soapless Products Company. 49,620; June 29.
Ada Milling Co. Flour (Dark Blue, Light Blue, Red, Green, and White Pattern). For Flour. Ada Milling Co. 49,554; June 29.
Adirondack Gardens, Adirondack's Best Brand. For Fresh Vegetables. W. A. Langdon. 49,582; June 29.
Admiracion Foamy Oil Shampoo. For Foamy Oil Shampoo. Admiracion Laboratories, Inc. 49,557; June 29.
Admiracion Hair Tonic. For a Hair Dressing and Scalp Tonic. Admiracion Laboratories, Inc. 49,558; June 29.
Admiracion Olive Oil Shampoo Treatment. For Olive Oil Shampoo. Admiracion Laboratories, Inc. 49,559; June 29.
Admiracion Solutized Lathering Oil Shampoo. For Lathering Oil Shampoo. Admiracion Laboratories Inc. 49,555; June 29.
Agi-Pak. For Canned Corn. Minnesota Valley Canning Company. 49,591; June 29.
Anahuac Brand. For Piquant Peppers. B. P. Manning. 49,583; June 29.
Aroma Super-Curl, Steam-Oil Reconditioner Solution. For Steam Oil Solution for the Hair. Gold Bond Company. 49,575; June 29.
Asexual and Bisexual Brine Shrimp Eggs. For Asexual and Bisexual Brine Shrimp Eggs. St. Elmo Abernathy. 49,552; June 29.
Beautiful Footwear. For Boxes. Hoague-Sprague Corporation. 49,578; June 29.
Beautiful Shoes. For Shoes. A. C. Clayton Printing Company. 49,564; June 29.
Beautiful Shoes. For Boxes. Hoague-Sprague Corporation. 49,579; June 29.
Beech-Nut Ginger Molasses Chips. For Ginger Molasses Chips. Beech-Nut Packing Company. 49,560; June 29.
Block's Ice Cream. For Ice Cream. Block's Ice Cream, Inc. 49,562; June 29.
Blue Ribbon Bread. For Bread. Saniwax Paper Co. 49,598; June 29.
Bread-Bag. For Water Proof Silk Bags for Containing Foods. A. Reinhold. 49,597; June 29.
Broth O' Wheat. For Liquid, Meatless Bouillon Concentrate. Merchants Extract Company. 49,586; June 29.
Canton. For Automatic Twin Studio Couches. Sleeper, Inc. 49,614; June 29.
Chili-Mix. For a Mixed Vegetable Base for Soups, Stews, Mexican Chili, etc. Cline-Johnston, Inc. 49,565; June 29.
Congress. For Twin Studio Couches. Sleeper, Inc. 49,611; June 29.
Country Colonel. For Irish Potatoes. Esmeralda Canning Co. 49,571; June 29.
Dartmouth. For Twin Studio Couches. Sleeper, Inc. 49,616; June 29.
Delco Hydraulic Brake Service Parts. For Hydraulic Brake Service Parts. General Motors Corporation. 49,574; June 29.
Delicious Rye Bread. For Bread. Minerva Wax Paper Co. 49,589; June 29.
Directions for Professional Use. For Lathering Oil Shampoo. Admiracion Laboratories Inc. 49,556; June 29.
Dr. Herring's Ginger Ale. For Ginger Ale. Herring Ginger Ale Inc. 49,577; June 29.
Drink Coca-Cola. For Coca-Cola. Coca-Cola Company. 49,566; June 29.
Endo (El-) Lysate. For Endocrine Lysates. Endo-Lysate Co. 49,570; June 29.
Esquire. For Canned Peaches. Norman L. Waggoner, Inc. 49,627; June 29.
Fly-Korps. For Insecticide. H. M. Waugh. 49,628; June 29.
Fresh Strawberry Shortcake. For Strawberry Shortcake. Waxide Paper Company. 49,629; June 29.
Gold Coast. For Mattresses. Sleeper, Inc. 49,613; June 29.
Golden Glow Creamery Butter. For Butter. Pollock Paper & Box Company. 49,595; June 29.
Grayflex. For Cartons. Bird & Son, Inc. 49,561; June 29.
Hall's Bias Fold Tape. For Tape. Gardiner Hall Jr. Co. 49,576; June 29.
Hi-Peak. For Lubricants. Mountain State Oil and Supply Company. 49,592; June 29.
Honeydale Brand. For Straight Bourbon Whiskey. United Package Dealers of Massachusetts, Inc. 49,623; June 29.
Hoppe's Nitro Powder Solvent (No. 9). For Nitro Powder Solvent No. 9. Frank A. Hoppe, Inc. 49,580; June 29.
Howard. For Twin Studio Couches. Sleeper, Inc. 49,612; June 29.

Instant Death. For a Preparation Used as a Disinfectant and Insecticide. J. W. Taylor. 49,621; June 29.
Liquido Tapatic. For Laxative Compound. R. De Soto. 49,569; June 29.
Maryland Rose. For a Blend of Straight Whiskey. Kasko Distillers Products Corp. 49,581; June 29.
Meal Worms Tenebrio Molitor L., Coleoptera. For Meal Worms. St. Elmo Abernathy. 49,553; June 29.
Meccano Microscope Set. For Microscope Sets. Meccano Company of America, Inc. 49,585; June 29.
Menorah Brand-American Light Malaga Wine. For American Light Malaga Wine. Broadway Central Liquor Co. Inc. 49,563; June 29.
Michigan. For Twin Studio Couches. Sleeper, Inc. 49,617; June 29.
Miel Pura de Abejas. For Honey. Cuban Health Products, Inc. 49,567; June 29.
Old Mission Coffee. For Coffee. McCabe Coffee Company. 49,584; June 29.
Pomay Rx 7. For Ointment Used in Method of Weight Reduction. Cutasy Laboratories, Inc. 49,568; June 29.
Radiant. For Polish. Midway Chemical Company. 49,587; June 29.
Savoy. For Twin Studio Couches. Sleeper, Inc. 49,619; June 29.
Sealy Air-Vent Box Spring. For Box Springs for Beds. Sealy, Incorporated. 49,601; June 29.
Sealy Enchanted Nights Box Spring. For Box Springs for Beds. Sealy, Incorporated. 49,602; June 29.
Sealy Natural Rest Box Spring. For Box Springs for Beds. Sealy, Incorporated. 49,603; June 29.
Sealy Rest Box Spring. For Box Springs for Beds. Sealy, Incorporated. 49,604; June 29.
Sealy Sleep Charm Box Spring. For Box Springs for Beds. Sealy, Incorporated. 49,605; June 29.
Sealy Sunspun Box Spring. For Box Springs for Beds. Sealy, Incorporated. 49,606; June 29.
Sealy Sunspun Mattress. For Mattresses for Beds. Sealy, Incorporated. 49,607; June 29.
Sealy Super-Rest Box Spring. For Box Springs for Beds. Sealy, Incorporated. 49,608; June 29.
Sealy Truease Box Spring. For Box Springs for Beds. Sealy, Incorporated. 49,609; June 29.
Sealy Tuftless Box Spring. For Box Springs for Beds. Sealy, Incorporated. 49,610; June 29.
Serv-A-Plate. For Candies and Nuts. G. F. Fitzgerald. 49,573; June 29.
Splendid Bread. For Bread. Minerva Wax Paper Co. 49,590; June 29.
Standish. For Twin Studio Couches. Sleeper, Inc. 49,618; June 29.
"Steri-Flush" Sanitizer. For a Preparation for Cleaning and Deodorizing Toilets. Victory Chemical Co. 49,626; June 29.
Taste Teils. For Bock Beer. Schultz Brewing Co. Inc. 49,600; June 29.
Tampons. For Tampons. San-Nap-Pak Mfg. Co. 49,599; June 29.
Tilghman Fresh River Herring. For Containers for Herring. Tilghman Canning & Packing Company. 49,623; June 29.
Today's Sliced Bread. For Bread. Minerva Wax Paper Co. 49,588; June 29.
Tomalade. For Tomato Preserves. Mrs. J. C. Thomas. 49,622; June 29.
Toothache Mix. For Toothache Treatment Kits. D. M. Parks. 49,594; June 29.
Unipathic Treatment, a Proprietary Medicine. For a Proprietary Medicine. H. E. Powe. 49,596; June 29.
Val Bros. For California Vermouth. Padre Vineyard Company. 49,593; June 29.
Vapo-Fume Insecticide. For Special Nicotine Compound Used as an Insecticide. Tobacco By-Products & Chemical Corporation (Incorporated). 49,624; June 29.
Viking. For Twin Studio Couches. Sleeper, Inc. 49,615; June 29.
Wrigley's Double Mint Chewing Gum. For Chewing Gum. Wm. Wrigley Jr. Company. 49,631; June 29.
Wrigley's Spearmint. For Chewing Gum. Wm. Wrigley Jr. Company. 49,630; June 29.
Yankee Clipper. For Shoes. Mitchell Ettman Co. Inc. 49,572; June 29.

LIST OF PRINTS

A Dining Room Chair Expresses Its Thoughts (6-⅛ by 10). For Coffee. Hills Bros. 16,293; June 29.
A Dining-Room Chair Expresses Its Thoughts (6-⅛ x 15). For Coffee. Hills Bros. 16,305; June 29.
Be on Your Guard Against 1937 Style Pens with 1907 Mechanisms. For Fountain Pens, Mechanical Pencils, and Ink. Parker Pen Company. 16,311; June 29.
Circular #1. For Olive Oil Soap and Soap Dispensers. E. Fowler. 16,288; June 29.
Clean Your Firearms Regularly—With Hoppe's No. 9. For Gun Cleaning Products. Frank A. Hoppe, Inc. 16,308; June 29.
Comments of a Coffee Pot (6-⅛ x 10). For Coffee. Hills Bros. 16,299; June 29.
Comments of a Coffee Pot (6-⅛ by 15). For Coffee. Hills Bros. 16,307; June 29.
Dairylea Process American Cheese. For Cheese. Dairymen's League Co-Operative Association, Inc. 16,287; June 29.
Finger-Tip Heat Control. For Coal. Philadelphia and Reading Coal and Iron Company. 16,312; June 29.
For Solid Comfort. For Coal. Philadelphia and Reading Coal and Iron Company. 16,313; June 29.
If a Fireplace Could Have a Voice (6-⅛ x 10). For Coffee. Hills Bros. 16,298; June 29.
If a Fireplace Could Have a Voice. (6-⅛ x 15). For Coffee. Hills Bros. 16,306; June 29.
If a Kitchen Cabinet Could Talk (6-⅛ by 10). For Coffee. Hills Bros. 16,297; June 29.
If a Kitchen Cabinet Could Talk (6-⅛ by 15). For Coffee. Hills Bros. 16,301; June 29.
Imagine What This Toaster Might Say (6-⅛ by 10). For Coffee. Hills Bros. 16,292; June 29.
Imagine What This Toaster Might Say (6-⅛ by 15). For Coffee. Hills Bros. 16,300; June 29.
King Quality Poultry. For Poultry. W. King. 16,309; June 29.
Miles Ahead in Flavor—Adform 174. For Coffee. Hills Bros. 16,289; June 29.
Miles Ahead in Flavor—The Correct Grind for Best Results by any Method of Coffee-Making—Adform 177. For Coffee. Hills Bros. 16,291; June 29.
1¢ Sale, Chocolates for 1¢ Per Pound. For Candy and Nuts. Awful Fresh MacFarlane. 16,286; June 29.
Reveries of a Coffee Cup (6-⅛ by 10). For Coffee. Hills Bros. 16,294; June 29.
Reveries of a Coffee Cup (6-⅛ by 15). For Coffee. Hills Bros. 16,304; June 29.
Stop Danger—Heed the Plea for Safety. For Surgical Dressings. Parke, Davis & Company. 16,310; June 29.
The Correct Grind—Hills Bros Coffee—For Best Results by any Method of Coffee-Making—Adform 176. For Coffee. Hills Bros. 16,290; June 29.
This is the Staircase Speaking (6-⅛ x 10). For Coffee. Hills Bros. 16,296; June 29.
This is the Staircase Speaking (6-⅛ by 15). For Coffee. Hills Bros. 16,302; June 29.
Use Meat Daily. For Meat. J. F. Sears. 16,314; June 29.
Words that a Pencil Could Write (6-⅛ by 10). For Coffee. Hills Bros. 16,295; June 29.
Words that a Pencil Could Write (6-⅛ by 15). For Coffee. Hills Bros. 16,303; June 29.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Anderson, George W., assignor to The General Tire & Rubber Company, Akron, Ohio. Tread for pneumatic tires. 20,431; June 29.

Banker, Oscar H., assignor, by mesne assignments, to New Products Corporation, Chicago, Ill. Automatic clutch. 20,426; June 29.

Blaikie, Kenneth G. (See Morrison, G. O., Skirrow, and Blaikie.)

Canadian Electro Products Company. (See Morrison, G. O., Skirrow, and Blaikie, assignors.)

Container Corporation of America. (See Kells, Benjamin F., assignor.)

Geerlings, Gerald K., New Canaan, Conn. Container. 20,427; June 29.

General Tire & Rubber Company, The. (See Anderson, George W., assignor.)

Kells, Benjamin F., Cincinnati, Ohio, assignor to Container Corporation of America, Chicago, Ill. Basket. 20,428; June 29.

Koca, James F., assignor to Woodstock Typewriter Company, Woodstock, Ill. Typesetting mechanism for typewriters. 20,429; June 29.

Morrison, George O., Shawinigan Falls, Canada; F. W. Skirrow, Purley, England; K. G. Blaikie, Shawinigan Falls, Quebec, Canada, assignors to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada. Vinyl ester resins and making the same. 20,430; June 29.

New Products Corporation. (See Banker, Oscar H., assignor.)

Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Grid lining for centrifugal baskets. 20,432; June 29.

Skirrow, Frederick W. (See Morrison, G. O., Skirrow, and Blaikie.)

Western States Machine Company, The. (See Roberts, Eugene, assignor.)

Woodstock Typewriter Company. (See Koca, James F., assignor.)

LIST OF PLANT PATENTEES

Nicolas, Jean H., assignor to Jackson & Perkins Company, Newark, N. Y. Rose. 253; June 29.

Jackson & Perkins Company. (See Nicolas, Jean H., assignor.)

LIST OF DESIGN PATENTEES

A. B. T. Manufacturing Co. (See Haggstrom, Arthur C., assignor.)

Abingdon Sanitary Mfg. Co. (See Piesiak, Bernard B., assignor.)

American Airlines, Inc. (See Littlewood, William, assignor.)

American Coach and Body Company. (See Larsen, Neil P., assignor.)

American Lace Mfg. Co., The. (See Hucknall, Hage W., assignor.)

American Seating Company. (See Bond, Willard H., Jr., assignor.)

Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Stand for business machines. 105,080; June 29.

Autocrat Oil Burner Corporation. (See Fontana, C. L., and Haggstrom, assignors.)

Ayer, Harriet Hubbard, Inc. (See Lux, Eugene J., assignor.)

Birdseye, Clarence, Gloucester, Mass., assignor, by mesne assignments, to Birdseye Electric Corporation, Dover, Del. Lamp bulb. 105,081; June 29.

Birdseye, Clarence, Gloucester, Mass., assignor to Birdseye Electric Corporation, Dover, Del. Lamp bulb. 105,082; June 29.

Birdseye Electric Corporation. (See Birdseye, Clarence, assignor.)

Bleich, Alfred, New York, N. Y. Hair barrette or similar article. 105,083; June 29.

Bond, Willard H., Jr., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Chair. 105,084; June 29.

Boulton, Berthoud C., Towson, and W. W. Symington, Jr., assignor to The Glenn L. Martin Company, Baltimore, Md. Airplane. 105,085; June 29.

Bradshaw, Robert, Phoebus, Va. Sectional display stand. 105,086; June 29.

Brashear, Rida P., Castleton-on-Hudson, N. Y. Toy. 105,161; June 29.

Briegel, Walter A., Pittsburgh, Pa. Waffle iron. 105,087; June 29.

Catena, Emilio, New York, N. Y. Accordion. 105,088; June 29.

Chilton Pen Company, The. (See Sypher, Milford G., assignor.)

Chrysler Corporation. (See Dietrich, Raymond H., assignor.)

Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Tray. 105,089. June 29.

Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Cooky box. 105,090; June 29.

Cooper, Ralph D., New York, N. Y. Robe. 105,162; June 29.

Cooper, Ralph D., New York, N. Y. Robe. 105,163; June 29.

Corning Glass Works. (See Hower, Harry S., assignor.)

Crane Co. (See Olson, Charles A., assignor.)

Crane Co. (See Zinkil, Roy H., assignor.)

Dally, Roy, assignor to Webster Electric Company, Racine, Wis. Crystal unit for a phonograph pick-up. 105,164; June 29.

Davis, Kenneth F., and J. J. Josephs, Buffalo, N. Y. Office chair. 105,091; June 29.

Dean, John D., Tolworth, England. Combined comb and brush. 105,165; June 29.

Delman, Inc. (See Morali, Charles, assignor.)

Dietrich, Raymond H., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile. 105,166; June 29.

Dietrich, Raymond H., Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich. Automobile. 105,167; June 29.

Dillon, Eleanor M., Naugatuck, Conn. Rag doll. 105,092; June 29.

Evans Case Company. (See Reilly, Alfred F., assignor.)

Fontana, Christopher L., Cedar Rapids, Iowa, and A. C. Haggstrom, Rockford, Ill., assignors to Autocrat Oil Burner Corporation, Cedar Rapids, Iowa. Oil burner. 105,093; June 29.

Forstmann, Curt E., Montclair, N. J. Textile fabric. 105,094; June 29.

Forstmann, Curt E., Montclair, N. J. Textile fabric. 105,095; June 29.

Forstmann, Curt E., Montclair, N. J. Textile fabric. 105,168; June 29.

Fosgood Corporation. (See Girouard, Albert, assignor.)

Fuerst, Brooks D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Liquid dispenser. 105,169; June 29.

General Household Utilities Company. (See Kenney, M. W., and Walker, assignors.)

General Household Utilities Company. (See Walker, George W., assignor.)

Girouard, Albert, assignor to Fosgood Croporation, Leominster, Mass. Comb or the like. 105,096; June 29.

Gray, John H., Coshocton, Ohio. Combined ash receiver, match holder, and gum receptacle or similar article. 105,097; June 29.

Grodnick, Alexander, Weehawken, N. J. Knitted fabric. 105,098; June 29.

Grodnick, Alexander, Weehawken, N. J. Knitted fabric. 105,099; June 29.

Grodnick, Alexander, Weehawken, N. J. Knitted fabric. 105,100; June 29.

Haggstrom, Arthur C. (See Fontana, C. L., and Haggstrom.)

Haggstrom, Arthur C., Rockford, assignor, by mesne assignments, to A. B. T. Manufacturing Co., Chicago, Ill. Vending machine cabinet. 105,101; June 29.

Hallum, Henry A., Seattle, Wash. Combined pressure regulator and gauge holder. 105,170; June 29.

Hansen, Nis M., San Francisco, Calif. Gas burner. 105,171; June 29.

Harper, Mabel, Long Island City, N. Y. Display stand or similar article. 105,102; June 29.

Hauser, Emil, New York, N. Y. Settee or similar article. 105,172; June 29.

Henney Motor Company. (See Schofield, Earl L., assignor.)

Hettrick Manufacturing Company, The. (See Vavrik, Louis, assignor.)

Heywood-Wakefield Company. (See Sellers, Austin C., assignor.)

Hickok Manufacturing Company. (See Sachs, Morris, assignor.)

Hildebrand, Otto G., Cleveland, Ohio, assignor to Railley Corporation. Adjustable lamp. 105,173; June 29.

Hillberg, Bror, assignor to Universal Form Clamp Co., Chicago, Ill. Form clamp. 105,103; June 29.

Hines, Harold H., and G. McKeown, assignors to Pullman Couch Company, Chicago, Ill. Sofa or similar article. 105,104; June 29.

Howel, Clayton J., Chicago, Ill. Bottle. 105,105; June 29.

Howel, Clayton J., Chicago, Ill. Bottle. 105,106; June 29.

Hower, Harry S., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Glass building block. 105,107; June 29.

Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. 105,108; June 29.

Jensen, Ralph. (See Warren, N. G., and Jensen.)

Josephs, John J. (See Davis, K. F., and Josephs.)

Judd, Samuel E., Independence, Mo. Child's vehicle. 105,109; June 29.

Kalep, Elvy, Los Angeles, Calif. Toy. 105,110; June 29.

Kalep, Elvy, Los Angeles, Calif. Toy. 105,111; June 29.

Katz, Adolph, New York, N. Y. Brooch pin or similar article. 105,112; June 29.

Kenney, Mahlon W., River Forest, and G. W. Walker, Pleasant Ridge, Mich., assignors to General Household Utilities Company, Chicago, Ill. Radio Dial escutcheon plate. 105,174; June 29.

Kirschner, Jack, New York, N. Y. Dress ensemble. 105,175; June 29.

Knapp, William G., Evanston, Ill. Fish lure. 105,113; June 29.

Larsen, Neil P., assignor to American Coach and Body Company, Cleveland, Ohio. Vehicle body roof. 105,114; June 29.

Lehon Company. (See Molyneux, William H., assignor.)

Leitz, Ernst, G. m. b. H. (See Maisch, Wilhelm, assignor.)

Levy, Albert E., New York, N. Y. Dress. 105,176; June 29.

Littlewood, William, assignor to American Airlines, Inc., Chicago, Ill. Combined cock and cover for a vacuum bottle. 105,115; June 29.

Lomo Gum Massager Co. (See Love, E. O., and Molitor, assignors.)

Love, Edna O., and E. J. Molitor, assignors to Lomo Gum Massager Co., Portland, Oreg. Combined tooth and gum massager or like article. 105,116; June 29.

Lowe, Joe, Corporation. (See Thomas, Norman M., assignor.)

Lux, Eugene J., assignor to Harriet Hubbard Ayer, Inc., New York, N. Y. Vanity case or similar article. 105,117; June 29.

Mackelfresh, William E., Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Candle holder. 105,118; June 29.

Mackres, Vasilios S., Brockton, Mass. Glassware cleaning apparatus. 105,119; June 29.

Maisch, Wilhelm, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Microscope stand. 105,120; June 29.

Martin, Glenn L., Company, The. (See Boulton, B. C., and Symington, assignors.)

Mautner, Samuel, New York, assignor to Wolsheim & Sachs, Inc., Buffalo, N. Y. Jewelry display container or similar article. 105,121; June 29.

McKeown, George. (See Hines, H. H., and McKeown.)

Mickelsen, Earl J., assignor to R. H. Ray, Fremont, Nebr., doing business as Ray Individual Mausoleum Company. Memorial plate. 105,122; June 29.

Mills, Kendall A., assignor to Rainbo Bread Company of Saginaw, Saginaw, Mich. Display rack. 105,123; June 29.

Molitor, Emmitt J. (See Love, E. O., and Molitor.)

Molyneux, William H., assignor to Lehon Company, Chicago, Ill. Asbestos siding shingle. 105,124; June 29.

Morali, Charles, Forest Hills, assignor to Delman, Inc., New York, N. Y. Shoe. 105,125; June 29.

Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Weighing scale. 105,126; June 29.

Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Kettle. 105,127; June 29.

Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Weighing scale. 105,128; June 29.

Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Vacuum cleaner. 105,129; June 29.

Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Dust bag for vacuum cleaners. 105,130; June 29.

Moser, Sally, New York, N. Y. Dress. 105,177; June 29.

Neivert, Jacob, New York, N. Y. Glove. 105,178; June 29.

Neth, George C., Dayton, Ohio. Kitchen and bathroom hanger. 105,131; June 29.

Nichols, Fred A., Stratford, Conn. Casing for a weighing scale. 105,132; June 29.

Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Spoon or analogous article. 105,133; June 29.

Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Spoon or analogous article. 105,134; June 29.

Noss, Henry G., Port Washington, assignor to United States Rubber Products, Inc., New York, N. Y. Tire. 105,179; June 29.

Olson, Charles A., Geneva, assignor to Crane Co., Chicago, Ill. Radiator valve. 105,180; June 29.

Owens-Illinois Can Company. (See Connor, Martha H., assignor.)

Owens-Illinois Can Company. (See Connor, Martha H., assignor.)

Owens-Illinois Glass Company. (See Fuerst, Brooks D., assignor.)

Owens-Illinois Glass Company. (See Mackelfresh, William E., Jr., assignor.)

Palage, Harry, Woburn, Mass. Hand truck. 105,135; June 29.

Park & Tilford. (See Toomey, John G., assignor.)

Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 105,136; June 29.

Pieslak, Bernard B., assignor to Abingdon Sanitary Mfg. Co., Abingdon, Ill. Combined flush tank for toilets and cover therefor. 105,137; June 29.

Postman, Louis, New Rochelle, N. Y. Glove. 105,181; June 29.

Price, Oscar M., Oakland, Calif. Muddler. 105,182; June 29.

Pullman Couch Company. (See Hines, H. H., and McKeown, assignors.)

Railley Corporation. (See Hildebrand, Otto G., assignor.)

Rainbo Bread Company of Saginaw. (See Mills, Kendall A., assignor.)

Ray Individual Mausoleum Company. (See Mickelsen, Earl J.)

Ray, Rudolph H. (See Mickelsen, Earl J., assignor.)

Reeves Manufacturing Company, The. (See Vogan, Frank M., assignor.)

Reilly, Alfred F., N. Attleboro, Mass., assignor to Evans Case Company. Vanity case or the like. 105,138; June 29.

Rives, Joe B., Maramec, Okla. Bulletin board sign or the like. 105,183; June 29.

Robbins, Meyer L., New York, N. Y. Finger ring or similar article. 105,139; June 29.

Roffwarg, Theodore, and A. Savastano, New York, N. Y. Finger ring. 105,140; June 29.

Sachs, Morris, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Braid for articles of personal wear. 105,141; June 29.

Samour, Tegran M., Stoneham, Mass. Airplane wind wheel toy. 105,142; June 29.

Savastano, Alfred. (See Roffwarg, T., and A. Savastano.)

Schlesinger, Ike, East Orange, N. J. Knitted cap or similar article. 105,143; June 29.

Schofield, Earl L., assignor to Henney Motor Company, Freeport, Ill. Bier pin for hearses. 105,144; June 29.

Schulze Baking Company. (See Warren, N. G., and Jensen, assignors.)

Sears, Roebuck and Co. (See Morgan, John R., assignor.)

Sellers, Austin C., Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass. End standard for theater chairs. 105,184; June 29.

Sellers, Austin C., Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass. End standard for theater chairs. 105,185; June 29.

Sellers, Austin C., Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass. End standard for theater chairs. 105,186; June 29.

Sellers, Austin C., Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass. End standard for theater chairs. 105,187; June 29.

Sheridan, Ellen, Ventura, Calif. Candy container. 105,145; June 29.

Sinko, John, Oak Park, Ill. Knob for a gear shift lever or the like. 105,146; June 29.

Starr, Joseph, New York, N. Y. Shoe. 105,147; June 29.

Starr, Joseph, New York, N. Y. Shoe. 105,148; June 29.

Stewart, Frederick R., Atlanta, Ga. Noise maker or similar article. 105,188; June 29.

Stroock, Edwin M., New Rochelle, N. Y. Hat display rack. 105,149; June 29.

Symington, William W. (See Boulton, B. C., and Symington.)

Sypher, Milford G., Bellevillie, N. J., assignor to The Chilton Pen Company, Inc., Long Island City, N. Y. Fountain pen or similar article. 105,150; June 29.

Thomas, Norman M., Brooklyn, assignor to Joe Lowe Corporation, New York, N. Y. Confectionery product. 105,151; June 29.

Toomey, John G., assignor to Park & Tilford, New York, N. Y. Display stand. 105,152; June 29.

Towle Manufacturing Company. (See Nock, Harold E., assignor.)

Trifari, Krussman & Fishel, Inc. (See Philippe, Alfred, assignor.)

Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)

Ungerland, Josephine, Flushing, N. Y. Game board or similar article. 105,189; June 29.

United States Rubber Products, Inc. (See Noss, Henry G., assignor.)

Universal Form Clamp Co. (See Hillberg, Bror, assignor.)

Vavrik, Louis, Rossford, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Glider frame. 105,153; June 29.

Vogan, Frank M., Canton, assignor to The Reeves Manufacturing Company, Dover, Ohio. Ceiling panel. 105,154; June 29.

von Rohl, Paul, St. Paul, Minn. Grand piano. 105,155; June 29.

Wachstein, Maurice A., Jr., West Orange, N. J. Plug cap. 105,156; June 29.

Walker, George W. (See Kenney, M. W., and Walker.)

Walker, George W., Pleasant Ridge, Mich., assignor to General Household Utilities Company, Chicago, Ill. Radio dial escutcheon plate. 105,190; June 29.

Warren, Norton G., and R. Jensen, Des Moines, Iowa, assignors to Schulze Baking Company, Kansas City, Mo. Display stand. 105,157; June 29.

Weaver, Harry R., Wilkes-Barre, Pa. Fish lure. 105,158; June 29.

Webster Electric Company. (See Dally, Roy, assignor.)

Wilcox, Frank, Los Angeles, Calif. Shoe cleat. 105,159; June 29.

Wolfsheim & Sachs, Inc. (See Mautner, Samuel, assignor.)

Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Lever handle. 105,160; June 29.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abercrombie, James S., assignor, by mesne assignments, to Abercrombie Pump Company, Houston, Tex. Pump. 2,085,286; June 29.

Abercrombie Pump Company. (See Abercrombie, James S., assignor.)

Abramson, Abraham, New York, N. Y., assignor, by mesne assignments, to G. B. G. Corporation, Newark, N. J. Mechanical mounting for lamp bulbs. 2,085,207; June 29.

Acken, Marshall F., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sludge treatment. 2,085,178; June 29.

Adjustable Scaffold & Form Company. (See McDill, Rex D., assignor.)

Aff, Charles E. G., Jamaica, N. Y. Machine knife. 2,084,993; June 29.

Aggers, Clair V., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Voltage regulator for rectifier circuits. 2,085,061; June 29.

Aime, Frank L., assignor to Anaconda Wire & Cable Company, New York, N. Y. Fluid impregnated electric cable. 2,085,563; June 29.

Airdraulic Brake Control Corporation. (See Larson, Carl R., assignor.)

Air Reduction Company. (See Deming, George M., assignor.)

Air Reduction Company. (See McKiernan, James D., assignor.)

Aktiebolaget Nomy. (See Wallgren, A. G. F., and Lundh, assignors.)

Aktiebolaget Transitoria. (See Ljungström, Erik, assignor.)

Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Typographical slug casting machine. 2,085,139; June 29.

Alexander, Fred. (See Gottlieb, Meyer, and P., assignors.)

Allen, Edith D., New York, N. Y. Combination cigarette package and ash tray. 2,085,062; June 29.

Allen, James M., Washington, D. C. Remote control apparatus. 2,085,624; June 29.

Allen, Rosslyn C., Pittsburgh, Pa. Hand grenade. 2,084,994; June 29.

American Can Company. (See Butler, William F., assignor.)

American Can Company. (See Magill, Donald G., assignor.)

American Can Company. (See Trevisan, Louis A., assignor.)

American Car and Foundry Company. (See Davis, Isaiah C., assignor.)

American Car and Foundry Company. (See Folmsbee, Clyde H., assignor.)

American Car and Foundry Company. (See Nichols, D. R., and Stevens, assignors.)

American Car and Foundry Company. (See Willoughby, Victor, assignor.)

American District Telegraph Company. (See Lindsay, Maxwell H. A., assignor.)

American Laundry Machinery Company, The. (See Johnson, G. W., and Hanney, assignors.)

American Paper Bottle Company, The. (See Scott, Henry T., assignor.)

American Smelting and Refining Company. (See Lindner, Karl A., assignor.)

American Telephone and Telegraph Company. (See Bierstedt, Gustav C., assignor.)

American Telephone and Telegraph Company. (See Collins, Clarence V., assignor.)

American Telephone and Telegraph Company. (See Cowan, Frank A., assignor.)

American Telephone and Telegraph Company. (See Thornton, Floyd E., assignor.)

American Transformer Company. (See Emlen, A. A., and Lundgren, assignors.)

American Zinc, Lead and Smelting Company. (See Monk, Reginald H., assignor.)

Anaconda Wire & Cable Company. (See Aime, Frank L., assignor.)

Andersen, Carl N., Watertown, Mass., assignor to Lever Brothers Company. Organic mercury compounds. 2,085,063; June 29.

Andersen, Carl N., Watertown, Mass., assignor to Lever Brothers Company. Aromatic mercury cyclic alkaloid compounds and making them. 2,085,064; June 29.

Andersen, Carl N., Watertown, Mass., assignor to Lever Brothers Company. Aromatic mercury substituted heterocyclic compound. 2,085,065; June 29.

Andersen, Carl N., Wellesley Hills, Mass., assignor to Lever Brothers Company. Aromatic mercury amides and making the same. 2,085,066; June 29.

Andersen, Gustav, Copenhagen, Denmark. Furnace for ore reduction. 2,085,625; June 29.

Anderson, Albert J., Ansonia, assignor to J. E. Smith & Co., Inc., Waterbury, Conn. Shingle. 2,084,981; June 29.

Anderson, Alvin P., Wood River, Ill., and C. M. Kellogg, University City, Mo., assignors to Shell Development Company, San Francisco, Calif. Continuous dewaxing process and apparatus. 2,085,521; June 29.

Anderson, Joseph F., Rockford, assignor to Ed. Cumings, Inc., Flint, Mich. Creel. 2,085,564; June 29.

Anderson, Oscar W., and E. E. Forrester, Denver, Colo. Thermostatic valve mechanism. 2,084,982; June 29.

Andrews, Charles W., assignor to H. A. Brassert & Company, Chicago, Ill. Reduction of sulphur. 2,085,565; June 29.

Appleton Electric Company. (See Tornblom, N. A., and Bylund, assignors.)

Arlette, Inc. (See Thomson, Edwin R., assignor.)

Arni, Hans. (See Gretener, E., and Arni.)

Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Toy machine gun. 2,085,566; June 29.

Art Metal Works, Inc. (See Aronson, Louis V., assignor.)

Atlas Mineral Products Company, The. (See Payne, Claron R., assignor.)

Atlas Powder Company. (See Bucy, E. H., and Watkins, assignors.)

Austin, Fuller A., Lincoln, Nebr. Sign. 2,085,246; June 29.

Auto Research Corporation. (See Bijur, Joseph, assignor.)

Automatic Stapler Company. (See Bates, Jesse G., assignor.)

Axelson Manufacturing Company. (See Hammett, David M., assignor.)

Baars, Gerrit, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Apparatus for fractional distillation. 2,085,522; June 29.

Badanes, Samuel E., Flushing, N. Y. Maternity dress. 2,085,179; June 29.

Badger Meter Manufacturing Company. (See Krueger, Emil M., assignor.)

Baiesi, Socrates, Buenos Aires, Argentina. Liquid distributor. 2,085,567; June 29.

Bailey, James R., Austin, Tex., assignor to Union Oil Company of California, Los Angeles, Calif. Amplified distillation. 2,085,287; June 29.

Bailey, Mora J., Hilt, Calif. Buffing and polishing device. 2,085,140; June 29.

Baily, Robert W., Philadelphia, Pa. Apparatus for kneading and working plastic material. 2,084,983; June 29.

Bakelite Building Products Co. (See Forbes, Harry, assignor.)

Bakelite Building Products Co. Inc. (See Harshberger, Norman P., assignor.)

Bakelite Building Products Co. Inc. (See Kuhn, Otto J., assignor.)

Bakelite Building Products Co. Inc. (See Storm, Trygve, assignor.)

Baker & Company. (See Zschiegner, Herbert E., assignor.)

Baldwin-Southwark Corporation. (See Dinzl, Richard W., assignor.)

Baldwin-Southwark Corporation. (See Locke, Arthur S., assignor.)

Baldwin-Southwark Corporation. (See Nowak, Alois K., assignor.)

Baldwin-Southwark Corporation. (See Peters, Orville S., assignor.)

Ballardie, Alfred W., San Francisco, Calif. Dental plate. 2,085,067; June 29.

Balle, Gerhard. (See Steindorff, A., and Balle.)

Bambenek, Dominic C., and P. Worner, assignors to Peerless Chain Company, Winona, Minn. Tire chain. 2,085,288; June 29.

Barbulesco, Constantin D., Dayton, Ohio. Indicating instrument. 2,084,995; June 29.

Barclay, Robert E., Chicago, Ill. Gaseous conduction device. 2,084,996; June 29.

Barden, William S., Grasmere, Staten Island, N. Y., assignor to Radio Corporation of America. Amplifying device. 2,085,407; June 29.

Barnes, John F. (See Wooddell, C. E., and Barnes.)

Barton, Loy E., Collingswood, N. J., assignor to Radio Corporation of America. Diode rectifier circuit. 2,085,408; June 29.

Baruth, Karl-Heinz, Berlin-Charlottenburg, Germany. Preparing tea free from theine. 2,085,489; June 29.

Bataille, Roger. (See Ponsot, T. E., Bataille, and Kirsch.)

Bates, Jesse G., assignor to Automatic Stapler Company, Chicago, Ill. Box closing machine. 2,085,208; June 29.

Beasley, Stanley F., Tulsa, Okla., assignor, by mesne assignments, to Chicago Railway Equipment Company, Chicago, Ill. Railway truck. 2,085,289; June 29.

Beckman, Ernest E., Lind, assignor of one-half to W. D. Krehbiel, Lind, Wash. Electric circuit. 2,085,568; June 29.

Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Television system. 2,085,409; June 29.

Bedford, James P., Forest Hills, and J. W. Haywood, deceased, New York, N. Y., assignors to T. R. Brooks, Scranton, Pa. Electrically operated signal arm. 2,084,984; June 29.

Beers, George L., Merchantville, N. J., assignor to Westinghouse Electric & Manufacturing Company. Volume control system for amplifiers. 2,085,068; June 29.

Belchetz, Arnold, Houston, Tex., and B. R. Carney, Hartsdale, N. Y., assignors to Shell Development Company, San Francisco, Calif. Sweetening process. 2,085,523; June 29.

Bell Punch Company Limited. (See Black, H. D., and Degen, assignors.)

Bell Telephone Laboratories, Incorporated. (See Bostwick, Lee G., assignor.)

Bell Telephone Laboratories, Incorporated. (See Broadwell, Howard, assignor.)

Bell Telephone Laboratories, Incorporated. (See Fox, A. L., Haskell, and Sturzenegger, assignors.)

Bell Telephone Laboratories, Incorporated. (See Gauthier, Marcel C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Goodall, William M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Morrison, H., Reichle, and Thayer, assignors.)

Bell Telephone Laboratories, Incorporated. (See Shaw, Robert C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Swickard, Andrew E., assignor.)

Bellinger, James F., La Fayette, assignors to Scientific Oil Corporation, Indianapolis, Ind. Still for renovation of used oils. 2,085,069; June 29.

Beloit Iron Works. (See Dundore, Marvin W., assignor.)

Bender, Charles, Brooklyn, N. Y. Sealable tag. 2,085,070; June 29.

Bentley Engineering Company, The. (See Wainwright, C. H., and Buswell, assignors.)

Bergmann, Christian N., Pittsburgh, Pa., assignor of two-sixth to C. M. Clarke, Sewickley, Pa. Container conveyer and distributor. 2,085,410; June 29.

Bernardin Bottle Cap Company. (See Spahn, August C., assignor.)

Berti, Joseph, Brooklyn, assignor to Phinney-Walker Co. Inc., New York, N. Y. Electric clock. 2,085,071; June 29.

Bertrand, Pierre. (See Desbordes, L., and Bertrand.)

Bethlehem Steel Company. (See Dougherty, Robert S. A., assignor.)

Bethlehem Steel Company. (See Underwood, Charles E., assignor.)

Bevis, Palmer, New York, N. Y. Lipstick demonstrating device. 2,085,180; June 29.

Bias, Harry J. (See Borba, A. S., and Edwards, assignors.)

Bibicos, Theodore, Cleveland, Ohio. Coin testing device. 2,085,626; June 29.

Bible, Edwin A., Midway, Tenn. Measuring device. 2,085,247; June 29.

Bichowsky, Francis R., Ottawa Hills, and G. A. Kelley, Toledo, assignors to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,084,997; June 29.

Blehn, Warren, Philadelphia, Pa. Rotor. 2,085,411; June 29.

Bierstedt, Gustav C., Upper Montclair, N. J., assignor to American Telephone and Telegraph Company. Testing circuit for telephone systems. 2,085,141; June 29.

Biesmann, William A., Chicago, Ill., assignor, by mesne assignments, to C. W. Johnson. Process of and apparatus for the recovery of noble metals from ore pulp. 2,085,711; June 29.

Bijur, George, executor. (See Bijur, Joseph.)

Bijur, Joseph, deceased, by G. Bijur, executor, New York, N. Y., said J. Bijur assignor, by mesne assignments, to Auto Research Corporation. Lubrication. 2,084,998; June 29.

Bill, Jean, Zurich, Switzerland. Screw locking device. 2,084,985; June 29.

Bird Machine Co. (See Lyons, Sanford C., assignor.)

Birdseye, Clarence, Gloucester, Mass., assignor, by mesne assignments, to Birdseye Electric Corporation, Dover, Del. Electric lamp. 2,084,999; June 29.

Birdseye Electric Corporation. (See Birdseye, Clarence, assignor.)

Bishop, Edwin L., Birmingham, England. Device for separating cardboard or like sheets upon a conveyer. 2,085,248; June 29.

Bissell Carpet Sweeper Company. (See Bissell, Wadsworth, assignor.)

Bissell, Wadsworth, assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Dustpan dump for carpet sweepers. 2,085,209; June 29.

Bixler, Willard R., Kenton, Ohio. Repeating toy pistol. 2,085,412; June 29.

Black & Decker Manufacturing Company, The. (See Preston, H. C., and Decker, assignors.)

Black, Horace D., Uxbridge, and A. A. C. Degen, Harrow, assignors to Bell Punch Company Limited, London, England. Ticket issuing machine. 2,084,986; June 29.

Black, James D., and G. F. Meyer, Tampa, Fla. Window box and hanger therefor. 2,085,290; June 29.

Blaikie, Kenneth G., Shawinigan Falls, Quebec, assignor to Shawinigan Chemicals Limited, Montreal, Canada. Chewing gum composition. 2,085,490; June 29.

Blizard, John. (See Reigart, C., Blizard, and Frisch.)

Bloomberg, Joseph E., assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Cushioned seat. 2,085,569; June 29.

Bloomenthal, Sidney, Merchantville, N. J., assignor to Radio Corporation of America. Carbon coated container for electrolytic condensers. 2,085,413; June 29.

Blount, William H., West Brookfield, and P. S. Thomas, assignors to Sleeper & Hartley, Inc., Worcester, Mass. End forming device. 2,085,570; June 29.

Bloxsom, Allan P., Houston, Tex. Automatic throttle shut-off. 2,085,181; June 29.

Bobe, Stanley A., McKeesport, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Small electric power plant. 2,085,072; June 29.

Bode, Wolfgang. (See Culemeyer, J., and Bode.)

Bednar, Joseph A., Jackson Heights, N. Y., assignor to Westinghouse X-Ray Company, Inc. Ultra-violet apparatus. 2,085,627; June 29.

Boele, Engle A., Pasadena, Calif. Preparation for treating scaly bark. 2,085,210; June 29.

Bolleau, Arthur H., assignor to Cherry-Burrell Corporation, Cedar Rapids, Iowa. Safety device for ice cream freezers and the like. 2,085,291; June 29.

Bonsack, Walter. (See Frost, J. G. G., and Bonsack.)

Borba, Antone S., and G. T. Edwards, said Edwards assignor to H. J. Bias. Santa Cruz, Calif. Rear view mirror structure. 2,085,000; June 29.

Borchardt, Philipp, and H. Ranke, Solln, near Munich, Germany, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Controlling the operation of heat exchange devices. 2,084,987; June 29.

Borg-Warner Corporation. (See Nutt, Harold, assignor.)

Boston Envelope Company. (See Sebell, Harry, assignor.)

Bostwick, Lee G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound translating device. 2,085,073; June 29.

Bourland, Eddie M., Puyallup, Wash., assignor to Fibreboard Products Inc., San Francisco, Calif. Container. 2,085,292; June 29.

Bowen, Kenneth H., assignor to Columbian Rope Company, Auburn, N. Y. Polishing wheel. 2,085,142; June 29.

Boyles, Ralph R., assignor to Waterous Company, St. Paul, Minn. Hydrant and deformable or breakable valve stem therefor. 2,085,074; June 29.

Brack, John D., Sulphur, La., assignor to The Union Sulphur Company. Pump pressure operated core barrel. 2,084,988; June 29.

Braley, William L., and C. A. Brown, Springfield, Ohio, assignors to Oliver Farm Equipment Company. Variable speed mechanism for grain drills and the like. 2,085,182; June 29.

Brannan, Eldred B., Ogden, Utah, assignor of twenty-five per cent to D. H. Dunham, and twenty-five per cent to G. L. Niles, Alcova, Wyo. Compensating volume control safety device. 2,085,628; June 29.

Brassert, H. A., & Company. (See Andrews, Charles W., assignor.)

Brige, Tullo A., Caracas, Venezuela. Collapsible tube cap. 2,085,629; June 29.

Briggs Manufacturing Company. (See Budds, H. H., and Gorzelany, assignors.)

Briggs Manufacturing Company. (See Graf, Vincent J., assignor.)

Bristol Company, The. (See Kerr, William J., assignor.)

Britten, Edwin F., Jr., Short Hills, assignor to Gardner Company, Orange, N. J. Calculating machine. 2,085,630; June 29.

Broadwell, Howard, Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cutting device. 2,085,079; June 29.

Brodkorb, Fritz. (See Gluud, W., Klempt, and Brodkorb.)

Brooks, Thomas R. (See Bedford, J. P., and Haywood, assignors.)

Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Automatic slack adjuster, especially for railway car brakes. 2,084,989; June 29.

Brown, Alexander C., Mount Healthy, assignor to Emery Industries, Inc., Cincinnati, Ohio. Making a detergent. 2,085,691; June 29.

Brown, Clyde A. (See Braley, W. L., and Brown.)

Brown, James L. (See Height, L. H., and Brown.)

Brown, Roy L., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Transformer case structure. 2,085,080; June 29.

Brown & Sharpe Manufacturing Company. (See Chafee, John S., assignor.)

Browne, Cecil O., London, assignor to The Gramophone Company Limited, Hayes, Middlesex, England. Reproduction of sound with the aid of light. 2,085,571; June 29.
Bruce, Malcolm C. (See Peterson, Grover F., assignor.)
Bryant Electric Company, The. (See Collins, James W., assignor.)
Bucy, Edmond H., and R. Watkins, Waukegan, assignors, by mesne assignments, to Atlas Powder Company, North North Chicago, Ill. Condensation products of phenolphthalein. 2,085,183; June 29.
Budd Wheel Company. (See Hanson, Arthur F., assignor.)
Budds, Henry H., and T. Gorzelany, assignor to Briggs Manufacturing Company, Detroit, Mich. Grinding disk and making the same. 2,085,211; June 29.
Buffalo Bolt Company. (See Jones, Harry B., assignor.)
Buffington, Hildegarde M., Arlington, Va. Smoker's article. 2,085,293; June 29.
Bullard Company, The. (See Bullard, Edward P., III, assignor.)
Bullard Company, The. (See Mussler, Frank H., assignor.)
Bullard, E. D., Company. (See Bullard, Edward W., assignor.)
Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Tool slide and dwell mechanism. 2,085,692; June 29.
Bullard, Edward W., assignor, by mesne assignments, to E. D. Bullard Company, San Francisco, Calif. Respirator. 2,085,249; June 29.
Bunte Brothers. (See Towell, Oscar J., assignor.)
Burda, Charles J., Cicero, Ill. Portable window platform. 2,085,572; June 29.
Burdick, Ralph V., Albany, N. Y. Hinge assembly for cast metal members. 2,085,631; June 29.
Burghardt, Roland T., Eugene, and C. Gentry, Mill City, Oreg. Water heater. 2,084,990; June 29.
Burke, James V., et al. (See Cline, Roy L., assignor.)
Burkhardt, Louis H., Jr., Union City, Pa. Tank heater. 2,085,632; June 29.
Burt, Harold A., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 2,085,143; June 29.
Bushnell, Myron B., Los Angeles, Calif. Paper feeder. 2,085,144; June 29.
Buswell, George A. (See Wainwright, C. H., and Buswell.)
Butler, William F., Hillside, N. J., assignor to American Can Company, New York, N. Y. Flange curling machine. 2,085,001; June 29.
Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Ultra-violet sterilizing apparatus. 2,085,573; June 29.
Buzzard, Robert W., Kensington, Md. Anodic treatment of aluminum. 2,085,002; June 29.
Bylund, Eric. (See Tornblom, N. A., and Bylund.)
Byrne, Philip J., Jr., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparation of mineral white oils and products prepared therefrom. 2,085,693; June 29.
Byrnes, Clarence P., trustee. (See James, Joseph H., assignor.)
Byron Jackson Co. (See Todd, Robert T., assignor.)
Cable, George W., et al. (See Paterson, Earle W. G., assignor.)
California Packing Corporation. (See Lucks, Roy G., assignor.)
Callahan, George F., Jr., Mount Lebanon, Pa. Internal combustion motor. 2,084,991; June 29.
Campbell, Donald J., Spring Lake, assignor to Campbell, Wyant & Cannon, Foundry Company, Muskegon Heights, Mich. Vehicle wheel. 2,085,294; June 29.
Campbell, Harris S., Willow Grove, Pa. Ski mechanism for aircraft or other vehicles. 2,085,295; June 29.
Campbell, Wyant & Cannon Foundry Company. (See Campbell, Donald J., assignor.)
Carborundum Company, The. (See Woddell, C. E., and Barnes, assignors.)
Carey, Gertrude, Cleveland, Ohio. Invalid cushion. 2,085,296; June 29.
Carleton, Paul W., Penns Grove, N. J., and A. L. Fox, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dye compositions. 2,085,145; June 29.
Carlisle, Richard W., Haddonfield, N. J., assignor to Radio Corporation of America. Lapel microphone. 2,085,184; June 29.
Carlson, Ole E., San Francisco, Calif. Building structure. 2,085,146; June 29.
Carnahan, Ralph W. (See Funkhouser, L. K., and Carnahan.)
Carney, Bernard R. (See Belchetz, A., and Carney.)
Carter Carburetor Corporation. (See Coffey, Irven E., assignor.)
Cary, John E. and V., Opelousas, La. Plow. 2,085,633; June 29.
Cary, Valerie. (See Cary, John E., and V.)
Cavanagh, John J., Farmingdale, N. Y. Commodity package. 2,085,414; June 29.
Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignors.)
Celanese Corporation of America. (See Kinsella, Edward, assignor.)
Celanese Corporation of America. (See Schneider, George, assignor.)
Celanese Corporation of America. (Se Taylor, William I., assignor.)
Celluloid Corporation. (See Grenquist, Ernst A., assignor.)
Cellu-Type Plate Co. (See Schultz, Oswald R., assignor.)
Cerobrex Limited. (See Donk, Peter J., and MacDonald.)
Chafee, John S., Providence, R. I., assignor to Brown & Sharpe Manufacturing Company. Combination rule and slidable head. 2,085,461; June 29.
Chain Belt Company. (See Steindorf, Robert T., assignor.)
Chandler, Milton E., Detroit, Mich. Joint for carburetors. 2,085,574; June 29.
Chase Bag Company, The. (See Cramer, Joseph D., assignor.)
Chase-Shawmut Company, The. (See Taylor, Elmer H., assignor.)
Chauveau, Louis L. E., Paris, France, assignor to Compagnie Generale de Telegraphie sans Fil. Telemetric repeating indicator. 2,085,415; June 29.
Chemical Foundation, Incorporated, The. (See Christensen, L. M., and Fulmer, assignors.)
Cherry-Burrell Corporation. (See Bolleau, Arthur H., assignor.)
Chicago Pump Company. (See Nordell, Carl H., assignor.)
Chicago Railway Equipment Company. (See Beasley, Starley F., assignor.)
Child, Adelbert L., Ozone Park, N. Y., assignor to Mergenthaler Linotype Company. Justifying spaceband. 2,085,147; June 29.
Christensen, Leo M., and E. I. Fulmer, Ames, Iowa, assignors to The Chemical Foundation, Incorporated. Production of ethyl alcohol from artichoke tubers. 2,085,003; June 29.
Cincinnati Milling Machine Company, The. (See Ernst, Hans, assignor.)
Citizens Trust Company. (See Replogle, Daniel B., assignor.)
Claff, Clarence L., Randolph, Mass. Paper box. 2,085,491; June 29.
Clark Equipment Company. (See Lapsley, Robert, assignor.)
Clarke, Charles M. (See Bergmann, Christian N., assignor.)
Claypoole, Walter, Glenham, assignor to The Texas Company, New York, N. Y. Thermocouple plug. 2,084,992; June 29.
Clearing Machine Corporation. (See Glasner, Rudolph W., assignor.)
Cleveland Rock Drill Company, The. (See Greve, Louis W., assignor.)
Cleveland Trust Company, The. (See Methudy, Carl E., assignor.)
Cline, Frederick E., et al. (See Cline, Roy L., assignor.)
Cline, Roy L., assignor of one-third to J. V. Burke, and one-third to F. E. Cline, Long Beach, Calif. Ore concentrator. 2,085,250; June 29.
Cobb, James F., Portland, Oreg., assignor to Moore Dry Kiln Company of Oregon. Dry kiln. 2,085,634; June 29.
Coddington, Edwin D., Douglaston, assignor to Reynolds Corporation, New York, N. Y. Plaster reenforcing fabric. 2,085,004; June 29.
Coddington, Edwin D., Douglaston, assignor to Reynolds Corporation, New York, N. Y. Plaster base or insulating material. 2,085,635; June 29.
Coffey, Irven E., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,085,351; June 29.
Colbie, Gus L., Brooklyn, assignor to F. MacGovern Corporation, New York, N. Y. Wirebound box with end cleats. 2,085,712; June 29.
Cole, Raymond A., assignor to Norton Company, Worcester, Mass. Lapping machine. 2,085,005; June 29.
Coleman, Stephen L. C., Fredericton, New Brunswick, Canada. Vehicle suspension. 2,085,006; June 29.
Collins, Clarence V., St. Louis, Mo., assignor to American Telephone and Telegraph Company. Teletypewriter exchange system. 2,085,637; June 29.
Collins, Harry J., Milwaukee, Wis. Yarn holder. 2,085,636; June 29.
Collins, James W., Oak Park, Ill., assignor to The Bryant Electric Company, Bridgeport, Conn. Electrical outlet planner. 2,085,638; June 29.
Colman, Howard D. (See Drake, George F., assignor.)
Columbian Rope Company. (See Bowen, Kenneth H., assignor.)
Compagnie Generale de Telegraphie sans Fil. (See Chauveau, Louis L. E., assignor.)
Conn, C. G., Ltd. (See Hultsch, Charles, assignor.)
Conrath, Louis R., Fort Wayne, Ind. Device for determining the percent of solids present in the discharge material of pipe line dredges. 2,085,007; June 29.
Cook, Roger A., assignor of one-half to E. H. Keator, San Antonio, Tex. Cruising accelerator. 2,085,352; June 29.
Cookware Company of America. (See Howlett, Lewis G., assignor.)
Cordingley, George, Lansdowne, Pa. Electric locomotive. 2,085,694; June 29.
Corning Glass Works. (See Dalton, Robert H., assignor.)
Corning Glass Works. (See Smith, Rowland D., assignor.)
Corning Glass Works. (See Strubler, Gordon L., assignor.)

Corning Glass Works. (See Woods, William J., assignor.)
Corson, Michael G., New York, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc. High strength brass. 2,085,416; June 22.
Cowan, Frank A., East Orange, N. J., assignor to American Telephone and Telegraph Company. Transmission regulation system. 2,085,639; June 29.
Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 2,085,185; June 29.
Cramer, Joseph D., Goshen, Ind., assignor to The Chase Bag Company, New York, N. Y. Apparatus for corrugating paper. 2,085,417; June 29.
Crocker-Wheeler Electric Manufacturing Company. (See Spencer, William C., assignor.)
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase and amplitude modulated wave receiving means. 2,085,008; June 29.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Variable terminal impedance signaling system. 2,085,418; June 29.
Cross, Garrett P. S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Hinged last. 2,085,148; June 29.
Culemeyer, Johann, Berlin-Charlottenburg, and W. Bode, Berlin-Grunewald, assignors to Gothaer Waggonfabrik Aktiengesellschaft, Gotha, Germany. Conveyance for transporting railway cars and the like by road. 2,085,353; June 29.
Cumings, Ed., Inc. (See Anderson, Joseph F., assignor.)
Curry, Manfred H., Munich, Germany. Weather indicator. 2,085,081; June 29.
Czajko, Louis, Antwerp, Belgium. Making an asbestos-cement agglomerate. 2,085,640; June 29.
Dalmer, Otto, and J. Niemann, Darmstadt, Germany, assignors to Merck & Co., Inc., Rahway, N. J. Di-halogen substituted α-(p-hydroxyphenyl)-α-amino-acetic acid, hydrohalides of the same, and their production. 2,085,009; June 29.
Dalton, Robert H., assignor to Corning Glass Works, Corning, N. Y. Making glasses resistant to alkali metal vapors. 2,085,251; June 29.
Daniel, Karl, Cologne-Lindenthal, Germany. Device for automatically transmitting and recording messages. 2,085,252; June 29.
Dausel, Hans. (See Moser, W., and Dausel.)
Davis, Isaiah C., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Railway tank car. 2,085,419; June 29.
Davis, Joseph S., New Iberia, La. Detachable button. 2,085,641; June 29.
Davis, Robert W., et al. (See Paterson, Earle W. G., assignor.)
Day, William P., Cleveland Heights, assignor to The International Vibration Company, Cleveland, Ohio. Making or repairing roads. 2,085,420; June 29.
Decker, Alonzo G. (See Preston, H. C., and Decker.)
Degen, Alexander A. C. (See Black, H. D. B., and Degen.)
De Groote, Melvin, St. Louis, and A. F. Wirtel, Kirkwood, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,085,298; June 29.
De Groote, Melvin, St. Louis, and A. F. Wirtel, Kirkwood, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,085,299; June 29.
Deibel, Gottfried, Dresden, Germany. Discharging device for gases and vapors. 2,085,297; June 29.
De Jong, Frans H., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Switching device. 2,085,642; June 29.
Delamere Company. (See Kayn, Stephen F., assignor.)
Delano, James K., Poughkeepsie, N. Y. Crankcase flusher and cleaner. 2,085,075; June 29.
Delany, Albanus G., Alabama City, Ala., assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Method for bundling bale ties and the like. 2,085,082; June 29.
Delany, Albanus G., Alabama City, Ala., assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Automatic catcher for rolling mills. 2,085,083; June 29.
Delta Manufacturing Company, The. (See Tautz, Herbert E., assignor.)
Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Acetylene generator. 2,085,084; June 29.
Desbordes, Louis, Machemont, and P. Bertrand, Paris, assignors to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Transporting and guiding means. 2,085,575; June 29.
De Simó, Martin, and F. B. Hilmer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polymerization of olefines. 2,085,524; June 29.
De Simó, Martin, and F. B. Hilmer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Process for stabilizing polymers. 2,085,525; June 29.
Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
Dick A. B. Company. (See Orr William G. D. assignor.)
Diescher, Alfred J., assignor of one-half to M. L. R. Diescher, Winfield, Kans. Method and apparatus for establishing and controlling a reserve storage in gas transportation systems. 2,085,526; June 29.
Diescher, M. L. R. (See Diescher, Alfred J., assignor.)
Diktienrmaschien-Patentverwertungs Gesellschaft m. b. H. (See Neumann. Leopold, assignor.)
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,085,300; June 29.
Dillon, Lyle, Los Angeles, Calif. Aircraft drift indicator. 2,085,010; June 29.
Dinzl, Richard W., Narberth, Pa., assignor to Baldwin-Southwark Corporation. Hydraulic press. 2,085,695; June 29.
Ditchman William T., Chelmsford, England, assignor to Radio Corporation of America. Modulated carrier wave signaling system. 2,085,011; June 29.
Dixon, Arthur C., Portland, Oreg. Automatic booking device. 2,085,012; June 29.
Donk, Peter J., and A. R. Macdonald, assignors to Cerobrex Limited, Toronto, Ontario, Canada. Treating and stabilizing wheat germ. 2,085,421; June 29.
Dornin, George A., Baltimore, Md. Apparatus for stripping ingots. 2,085,212; June 29.
Dougherty, Robert S. A., Bethlehem, Pa., assignor to Bethlehem Steel Company. Reenforced tank. 2,085,085; June 29.
Drake, George F., assignor to H. D. Colman, Rockford, Ill. Control system for electrically operated devices. 2,085,086; June 29.
Draper Corporation. (See Killars, John, Jr., assignor.)
Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Cellulose derivative spinning solution containing wax. 2,085,013; June 29.
Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Textile process and product. 2,085,014; June 29.
Driver, John M., New York, N. Y. Utilization of cellulosic films, sheets, and the like. 2,085,301; June 29.
Du Mont, Allen B., assignor to Allen B. Du Mont Laboratories, Inc., Upper Montclair, N. J. Commutating device. 2,085,576; June 29.
Du Mont, Allen B., Laboratories, Inc. (See Du Mont, Allen B., assignor.)
Dundore, Marvin W., assignor to Beloit Iron Works, Beloit, Wis. Metal founding. 2,085,302; June 29.
Dunham, David H., et al. (See Brannan, Eldred B., assignor.)
Dunlop, James, Park Ridge, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Moving stairway. 2,085,076; June 29.
Dunlop Tire and Rubber Corporation. (See Twiss, D. F., and Jones, assignors.)
Du Pont, E. I., de Nemours & Company. (See Acken, Marshall F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carleton, P. W., and Fox, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lester, Robert L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., Roberts, and Laughlin, assignors.)
Du Pont, E. I., de Nemours & Company. (See Oplinger, Floyd F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rankin, Donald A., assignor.)
Emery Industries, Inc. (See Reddish, Warren T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Salzberg, Paul L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sullivan, David J., assignor.)
Durafer, Incorporated. (See Sargent, William D., assignor.)
Dwyer, Thomas F., Jr., Cambridge, Mass., and J. C. Hassett, West Haven, Conn., assignors to Fabreeka Products Company, Inc., Boston, Mass. Railway car construction. 2,085,713; June 29.
Eastman Kodak Company, The. (See Nagel, August, assignor.)
Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Burner control. 2,085,577; June 29.
Ebert, Fritz, assignor to Mauser-Werke A. G., Oberndorf-on-the-Neckar, Germany. Trimming mechanism for sewing machines. 2,085,643; June 29.
Edison General Electric Appliance Company. (See Uhl, Robert L., assignor.)
Edwards, Charles E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 2,085,253; June 29.
Edwards, Donald V., Montclair, N. J., assignor to Electrons, Inc. of Delaware. Electric weld timer and method. 2,085,696; June 29.
Edwards, George T. (See Borba, A. S., and Edwards.)
Eger, Otto H., Holyoke, Mass. Beverage cooling system. 2,085,186; June 29.
Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)
Electronic Control Corporation. (See Powers, Ralph A., assignor.)

Electrons, Inc. of Delaware. (See Edwards, Donald V., assignor.)
Elliott, Harold E. (See Gouldbourn, J., and Elliott.)
Elliott, Harold E., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Treadle mechanism. 2,085,427; June 29.
Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to Plaskon Company, Incorporated. Making urea resin products. 2,085,492; June 29.
Ellis, George H., New Brighton, assignor to The Insulite Company, Minneapolis, Minn. Reenforcing means for walls. 2,085,087; June 29.
Ellsworth, Harold H. (See Heinbach, F. S., and Leischel, assignors.)
Emery Industries, Inc. (See Brown, Alexander C., assignor.)
Emery, Joseph W., Cobridge, England. Frit kiln. 2,085,254; June 29.
Emlen, Andrew A., Roselle, and T. H. Lundgren, Irvington, assignors to American Transformer Company, Newark, N. J. Voltage regulator. 2,085,255; June 29.
Engel, Albert W., Chicago, Ill. Convertible mounting corner. 2,085,187; June 29.
Engstrom, Ernest P., Akron, Ohio. Casting method. 2,085,015; June 29.
Engstrom, Joseph P., Red Wing, Minn. Photographic mounting press. 2,085,088; June 29.
Erickson, Henrick G., Clear Lake, Iowa. Planter mechanism. 2,085,354; June 29.
Ernst, Hans, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Hydraulic circuit control mechanism. 2,085,303; June 29.
Ervin, Thomas C., Chattanooga, Tenn. Boiler. 2,085,089; June 29.
Evans, Edwin R. (See Rockwell, E. A., and Evans.)
Evitt, Harry G., assignor to The Parker Metal Decorating Company, Inc., Baltimore, Md. Cake container. 2,085,493; June 29.
Ewing, Benton N., Fayetteville, N. C., assignor to Martin Brothers Electric Company, Cleveland, Ohio. Scroll-work cutter. 2,085,462; June 29.
Ezzi, Mike, et al. (See Perillo, Biagio, assignor.)
Fabreeka Products Company. (See Dwyer, T. F., Jr., and Hassett, assignors.)
Farrell, Fred, Chicago, Ill. Drawing board attachment. 2,085,304; June 29.
Fast, Fred L., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Distilling oils. 2,085,422; June 29.
Federal Telegraph Company. (See Kolster, Frederick A., assignor.)
Fehrle, Alfred, Bad Soden-in-the-Taunus, K. Streitwolf, deceased, by F. Streitwolf, administratrix, and P. Fritzsche, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Arsenobenzene-mono-sulphoxylates. 2,085,305; June 29.
Feldt, Henning A., Kansas City, Mo. Water heater and making same. 2,085,256; June 29.
Ferciot, Bert J., East Canton, Ohio. Rectal electrode. 2,085,644; June 29.
Ferguson, Arthur P., assignor to Lyon Cover Company, Detroit, Mich. Tire cover. 2,085,213; June 29.
Ferguson, John, Hoboken, N. J. Machine for producing helicoid surfaces. 2,085,016; June 29.
Ferry, Joseph D., Harrisburg, Pa. Impeller mechanism for cooking apparatus. 2,085,494; June 29.
Fibreboard Products Inc. (See Bourland, Eddie M., assignor.)
Fish, Mortimer S., Stuttgart, Ark. Farm float. 2,085,645; June 29.
Fishel, Robert G., Evanston, Ill. Cooking utensil. 2,085,306; June 29.
Fitzgerald, Charles F., Essex, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 2,085,149; June 29.
Flarsheim, Edwin S. (See Liebel, J. G. H., and Flarsheim.)
Flaws, John, Jr., Cleveland Heights, Ohio, assignor to General Electric Company. Filament mounting and mechanism therefor. 2,085,578; June 29.
Floryk, Edward M., Rockaway, N. J., assignor to Stapling Machines Co. Positioning means for box parts. 2,085,579; June 29.
Folmsbee, Clyde H., Berwick, Pa., assignor to American Car & Foundry Company, New York, N. Y. Refrigerated tank car. 2,085,090; June 29.
Forbes, Harry, Richmond Hill, assignor, by mesne assignments, to Bakelite Building Products Co., Inc., New York, N. Y. Locking shingle. 2,085,554; June 29.
Forrester, Edward E. (See Anderson, O. W., and Forrester.)
Fort Howard Paper Company. (See Shaffer, Glenn A., assignor.)
Fort Howard Paper Company. (See Shaffer, G. A., and Wirtz, assignors.)
Fortune, Russell, Indianapolis, Ind. Cellulosic product. 2,085,463; June 29.
Foster Wheeler Corporation. (See Reigart, C., Blizard, and Frisch, assignors.)
Fox, Arthur L. (See Carleton, P. W., and Fox.)
Fox, Arthur L., Upper Montclair, N. J., F. V. Haskell, Stamford, Conn., and W. C. Sturzenegger, Chester, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulator. 2,085,077; June 29.
Fox, Frederick P., Scarsdale, N. Y. Window. 2,085,091; June 29.
Francis Lynn M., Birmingham, assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Vehicle construction. 2,085,214; June 29.
Frankland, William H., Tampa, Fla. Attachment for fireplaces. 2,085,646; June 29.
Freeman, Percy J., Darlaston, assignor to Rubery, Owen & Company, Limited, South Staffordshire, England. Vehicle wheel. 2,085,647; June 29.
Freise, Bernard C., St. Louis County, Mo. Propeller. 2,085,307; June 29.
French, Thomas, Rumford, Maine. Feed mechanism for typewriters. 2,085,464; June 29.
Fridén, John H., East Orange, assignor to The Sun Tube Corporation, Hillside, N. J. Method of and apparatus for forming slugs and extruding the same. 2,085,078; June 29.
Frisch, Martin. (See Reigart, C., Blizard, and Frisch.)
Fritzsche, Paul. (See Fehrle, A., Streitwolf, and Fritzsche.)
Frost, John G. G., and W. Bonsack, assignors to The National Smelting Company, Cleveland, Ohio. Treating aluminum and aluminum alloys. 2,085,697; June 29.
Fulkerson, George G., also known as G. W. Fulkerson, Huntington Park, Calif. Confection. 2,085,495; June 29.
Fulkerson, George W. (See Fulkerson, George G.)
Fulmer, Ellis I. (See Christensen, L. M., and Fulmer.)
Funkhouser, Luther K., Dayton, and R. W. Carnahan, near Dayton, Ohio, said Carnahan assignor to said Funkhouser. Automatic machine for making paper containers. 2,084,017; June 29.
Furth, Ernest L., assignor to Westinghouse Eletcric & Manufacturing Company, East Pittsburgh, Pa. Fabricating laminations. 2,085,092; June 29.
Fusoid Electric Co. (See Grady, Stephen S., assignor.)
G. B. G. Corporation. (See Abramson, Abraham, assignor.)
Gandrud, Ebenhard S., Pipestone, Minn. Animal stall. 2,085,308; June 29.
Gardner Company. (See Britten, Edwin F., Jr., assignor.)
Gaus, George E., dedicated to the free use of the public, Washington, D. C. Identification device. 2,085,309; June 29.
Gauthier, Marcel C., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sheet holding means. 2,085,093; June 29.
Gautier, Trevor R., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Strip serving apparatus. 2,085,714; June 29.
Gemeny, Ernest A., Chicago, Ill. Sewage collector. 2,085,150; June 29.
General Aniline Works, Inc. (See Hoffa, E., and Heyna, assignors.)
General Auto Parts Corporation. (See Rockwell, Edward A., assignor.)
General Auto Parts Corporation. (See Rockwell, E. A., assignor, and Evans.)
General Electric Company. (See Eaton, John, assignor.)
General Electric Company. (See Flaws, John, Jr., assignor.)
General Electric Company. (See Haskell, Orin S., assignor.)
General Electric Company. (See Hotchkiss, Allen G., assignor.)
General Electric Company. (See Inman, G. E., and Lemmers, assignors.)
General Electric Company. (See Johnson, Wilfrid E., assignor.)
General Electric Company. (See Johnston, Arthur J., assignor.)
General Electric Company. (See Livingston, Orrin W., assignor.)
General Electric Company. (See Lord, Harold W., assignor.)
General Electric Company. (See Marshall, Abraham L., assignor.)
General Electric Company. (See Pike, Otis W., assignor.)
General Electric Company. (See Puffer, Samuel R., assignor.)
General Electric Company. (See Ramsay, H. T., and Rooksby, assignors.)
General Electric Company. (See Skeats, Wilfred F., assignor.)
General Electric Company. (See Wiegand, Kurt, assignor.)
General Electric Vapor Lamp Company. (See Buttolph, Leroy J., assignor.)
General Motors Corporation. (See Bichowsky, F. R., and Kelley, assignors.)
General Motors Corporation. (See Karmazin, John, assignor.)
General Motors Corporation. (See Kelley, Gilbert A., assignor.)
General Motors Corporation. (See Lex, Joseph R., assignor.)
General Motors Corporation. (See Smith, Harry F., assignor.)
General Motors Corporation. (See Spicacci, Attilio R., assignor.)
General Motors Corporation. (See Sturm, R. E., and Hartzell, assignors.)

General Printing Ink Corporation. (See Koppe, Alexander T., assignor.)
General Railway Signal Company. (See Plank, Ray, assignor.)
Gentry, Charlie. (See Burghardt, R. T., and Gentry.)
Geophysical Service, Inc. (See Karcher, John C., assignor.)
Georgi, Edmund A., assignor to Hercules Powder Company, Wilmington, Del. Alkali abietate compositions and their production. 2,085,151; June 29.
Georgi, Edmund A., assignor to Hercules Powder Company, Wilmington, Del. Alkali abietate compositions and their production. 2,085,152; June 29.
Gerlach, Erwin, Berlin-Siemensstadt, assignor to Klangfilm G. m. b. H., Berlin, Germany. Film developing apparatus. 2,085,188; June 29.
Gesellschaft für Kohlentechnik m. b. H. (See Gluud, W., Klempt, and Brodkorb, assignors.)
Getaz, James L., Maryville, Tenn. Automobile gear shift transmission. 2,085,257; June 29.
Gilbert, William H. (See Hosmer, Frank F., assignor.)
Gillin, Charles E., Brooklyn, N. Y. Signal device for automobiles. 2,085,310; June 29.
Gilpin, Garth G., Riverside, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 2,085,311; June 29.
Ginn, William L., Muncie, Ind. Rotary checking attachment for planters. 2,085,678; June 29.
Giovannetti, Peter, San Francisco, Calif. Trigger mechanism. 2,085,258; June 29.
Glasner, Rudolph W., assignor to Clearing Machine Corporation, Chicago, Ill. Press. 2,085,648; June 29.
Glazier, Manuel, New Rochelle, N. Y. Safety razor. 2,085,423; June 29.
Globe Machine & Manufacturing Company, The. (See Neltzel, J. W., and Lipscomb, assignors.)
Gluck, Fred C., assignor to Minerva Wax Paper Company, Minerva, Ohio. Dispensing package. 2,085,649; June 29.
Gluud, Wilhelm, W. Klempt and F. Brodkorb, assignors to Gesellschaft für Kohlentechnik m. b. H., Dortmund-Eving, Germany. Producing amino-nitriles. 2,085,679; June 29.
Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Synchronization system. 2,085,424; June 29.
Goddard & Goddard Company. (See Grattan, Stanley H., assignor.)
Godfrey, Elmore M., Jr., Knoxville, Tenn. Tire buffing stand. 2,085,650; June 29.
Goebert, Elmer C. (See Lucht, V. F., and Goebert.)
Gonzalez, Augusto C., Manila, P. I. Floor. 2,085,215; June 29.
Goodall, William M., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gas-filled tube circuits. 2,085,094; June 29.
Goodwin, Mary N., Williamsburg, Va. Sun suit. 2,085,425; June 29.
Gorretta, Andrew, Cleveland, Ohio. Vending apparatus. 2,085,153; June 29.
Gorzelany, Thomas. (See Budds, H. H., and Gorzelany.)
Goss Printing Press Company, The. (See Crafts, Curtis S., assignor.)
Gothaer Waggonfabrik Aktiengesellschaft. (See Culemeyer, J., and Bode, assignors.)
Gottlieb, Meyer, Irvington, and P. Gottlieb, Newark, N. J., assignors of one-third to F. Alexander. Illuminating device. 2,085,580; June 29.
Gottlieb, Philip. (See Gottlieb, Meyer, and P.)
Gouldbourn, Joseph, and H. E. Elliott, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Rounding machine. 2,085,426; June 29.
Gourley, James N., assignor to Kultor King Incorporated, Portland, Oreg. Tractor. 2,085,312; June 29.
Grace, Charles J., Jr., Albany, N. Y., assignor, by mesne assignments, to Utility Packages, Inc. Carton and blank for forming same. 2,085,680; June 29.
Grady, Stephen S., Magnolia, N. C., assignor to Fusoid Co., Inc. Circuit Breaker. 2,085,018; June 29.
Graf, Vincent J., assignor to Briggs Manufacturing Company, Detroit, Mich. Die apparatus. 2,085,189; June 29.
Gramophone Company Limited, The. (See Browne, Cecil Oswald, assignor.)
Grattan, Stanley H., assignor to Goddard & Goddard Company, Detroit, Mich. Rotary cutter. 2,085,095; June 29.
Grodzinski, Stanley P., Mount Carmel, Pa. Door fixture. 2,085,154; June 29.
Green, Edward E., Pittsburgh, Pa. Automatic safety gas valve. 2,085,581; June 29.
Greenwald, Harold A., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Motor and compressor assembly. 2,085,355; June 29.
Greenwald, Harold A., Los Angeles, Calif., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Pump for refrigerating apparatus. 2,085,356; June 29.
Gregory, Spafford M., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Treating mineral oils. 2,085,527; June 29.
Grenquist, Ernst A., Bloomfield, N. J., assignor to Celluloid Corporation. Preparation of coloring compositions. 2,085,528; June 29.
Gretener, Edgar, Berlin-Siemensstadt, and Hans Arnl, Berlin-Ruhleben, Germany, assignors to Opticolor, Aktiengesellschaft, Glaries, Switzerland. Color filter. 2,085,190; June 29.
Greve, Louis W., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Supporting frame for rock drills. 2,085,651; June 29.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,085,019; June 29.
Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Steady rest for crankshaft lathes. 2,085,357; June 29.
Gross, Frank, Colorado Springs, Colo. Crushing and grinding mill. 2,085,216; June 29.
Guedon, Emile C., Audubon, N. J., assignor to Radio Corporation of America. Phonograph. 2,085,582; June 29.
Guichard, Raymond A. E., Paris, France. Label-holder applicable to documents. 2,085,496; June 29.
Guidi, Albert D., Great Barrington, Mass. Concrete form tie. 2,085,652; June 29.
Gunning, Roy, Kokomo, Ind. Writing board. 2,085,259; June 29.
Günzel, Rudolf, Hamburg, Germany, assignor to W. V. Sippell, The Hague, Netherlands. Tin with a jamming slip-on cover. 2,085,358; June 29.
Guthrie, Robert G., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Forming hollow vessels. 2,085,313; June 29.
Gutterson, Thomas, San Francisco, Calif. Dust mop duster. 2,085,653; June 29.
Hall, Brooks M., Davidson, Okla. Helicopter. 2,085,359; June 29.
Haller, Cecil E. (See Knowles, D. D., and Haller.)
Hamilton, Bertis F., Columbus, Ind. Match safe. 2,085,314; June 29.
Hamilton, Walter A., assignor to Transcontinental & Western Air, Inc., Kansas City, Mo. Emergency antenna. 2,085,585; June 29.
Hammet, David M., Tulsa, Okla., assignor to Axelson Manufacturing Company, Los Angeles, Calif. Pump valve construction. 2,085,360; June 29.
Hance, Lawrence H., Philadelphia, Pa. Steam exhaust pipe arrangement for articulated locomotives. 2,085,698; June 29.
Hancock, John R. (See Woodward, B. W., and Hancock.)
Hanney, Angus F. (See Johnson, G. W., and Hanney.)
Hanson, Walter H., Freeport, Tex. Fishing tackle. 2,085,096; June 29.
Hansen, William, Chicago, Ill. Display device. 2,085,097; June 29.
Hanson, Arthur F., assignor to Budd Wheel Company, Philadelphia, Pa. Welding method. 2,085,583; June 29.
Hanson, Charles T., Baltimore, Md., assignor to U. S. Industrial Alcohol Co., New York, N. Y. Maintaining or invigorating cultures of butyl micro-organisms. 2,085,428; June 29.
Harding, Wilbur T., Dayton, Ohio. Combination sight and indicator for traffic controlled projector. 2,085,020; June 29.
Harris, Lewis G., Baltimore, Md. Armpit rest fishing rod handle. 2,085,654; June 29.
Harris, William P., Romford, England. Ticket issuing machine. 2,085,655; June 29.
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co. Inc., New York, N. Y. Shingle. 2,085,553; June 29.
Hart, George H., West Hartford, Conn. Heater circuit and control. 2,085,217; June 29.
Hartford-Empire Company. (See Peiler, Karl E., assignor.)
Hartzell, Herman L. (See Sturm, R. E., and Hartzell.)
Haskell, Frederic V. (See Fox, A. L., Haskell, and Sturzenegger.)
Haskell, Orin S., Scotia, N. Y., assignor to General Electric Company. Apparatus for producing a gas atmosphere. 2,085,584; June 29.
Hassett, John C. (See Dwyer, T. F., Jr., and Hassett.)
Hastings, Roger W., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Plate condenser. 2,085,191; June 29.
Hayward, Sheldon C., Merchantville, N. J., assignor to Radio Corporation of America. Edge illuminated indicator. 2,085,192; June 29.
Haywood, John W. (See Bedford, J. P., and Haywood.)
Heidbrink, Jay A., Minneapolis, Minn. Gas strainer and vaporizer. 2,085,155; June 29.
Height, Lewis H., and J. L. Brown, assignors to Thompson Manufacturing Co., Denver, Colo. Highway guardrail. 2,085,098; June 29.
Heimbach, Frank S., and W. Leischel, assignors to H. J. Ellsworth, Chicago, Ill. Cylinder sleeve press. 2,085,529; June 29.
Heinitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Auxiliary presser for flat knitting machines. 2,085,656; June 29.
Heisdorf, Nicholas, San Francisco, Calif. Driving mechanism. 2,085,657; June 29.
Helsing, Raymond A., Summit, N. J. Direction indicating system. 2,085,218; June 29.

Hellmer, Ralph E., assignor to Schutte & Koerting Company, Philadelphia, Pa. Steam jet exhauster. 2,085,361; June 29.

Heppenstall Company. (See Sucrop, John A., assignor.)

Herbst, Louis W., Cleveland, Ohio. Piston ring. 2,085,362; June 29.

Hercules Powder Company. (See Georgi, Edmund A., assignor.)

Herdieckerhoff, Ernst, Opladen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparation of phenol. 2,085,429; June 29.

Heyna, Hans. (See Hoffa, E., and Heyna.)

Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Steering mechanism for vehicles. 2,085,021; June 29.

Hickman Pneumatic Seat Co. (See Hickman, Albert F., assignor.)

Heibert, Erdman R., Toronto, assignor to Mechanical Research Corporation Limited, Kitchener, Waterloo, Ontario, Canada. Storage battery terminal clamp. 2,085,497; June 29.

Hill, Stirling B., Seattle, Wash. Floating bridge. 2,085,156; June 29.

Hilmer, Frederick B. (See de Simó, M., and Hilmer.)

Hoffa, Erwin, and H. Heyna, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Ortho-aminoazo compound. 2,085,315; June 29.

Hoffbauer, Carl, Hamburg, Germany. Apparatus for alarming the outbreak of fire. 2,085,658; June 29.

Hoffmann, Edgar. (See Schönfelder, Herbert, assignor.)

Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tuning receivers operating on potential resonance. 2,085,022; June 29.

Holloway, Glenn H., Kansas City, Mo. Machine for making butter rolls. 2,085,157; June 29.

Holloway, Jesse F. (See Wallace, A., and Holloway.)

Holmdahl, Arthur C., Kellogg, Iowa. Basketball basket support. 2,085,206; June 29.

Holst, Poul F. G., Oaklyn, N. J., assignor to Radio Corporation of America. Radio receiver. 2,085,430; June 29.

Homestead Valve Manufacturing Company. (See Schuchman, W. R., and Ofeldt, assignors.)

Hoover Company, The. (See Kitto, William H., assignor.)

Hoover Company, The. (See White, Harry B., assignor.)

Horn, Arno. (See Mauch, H., and Horn.)

Hörner, Erich, Berlin, Germany. Device and method for aerial survey. 2,085,498; June 29.

Hosmer, Frank F., Glendale, assignor of one-half to W. H. Gilbert, Los Angeles, Calif. Can opener. 2,085,219; June 29.

Hotchkiss, Allen G., Schenectady, N. Y., assignor to General Electric Company. Apparatus for producing a gas atmosphere. 2,085,586; June 29.

Hotchkiss, Allen G., Schenectady, N. Y., assignor to General Electric Company. Brazing. 2,085,587; June 29.

Howard, Fred A., Kenmore, N. Y. Riveting machine. 2,085,659; June 29.

Howey, Walter C. (See Woodward, B. W., and Hancock, assignors.)

Howlett, Lewis G., assignor to Cookware Company of America, Hartford, Mich. Cooking utensil. 2,085,220; June 29.

Hughes-Mitchell Processes. (See Mitchell, Thomas A., assignor.)

Hultin, Oscar. H., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Carton. 2,085,465; June 29.

Hultsch, Charles, assignor to C. G. Conn, Ltd., Elkhart, Ind. Percussion musical instrument. 2,085,363; June 29.

Hunciker, Karl, assignor to I. E. McCabe, Chicago, Ill. Mercury switch. 2,085,316; June 29.

Hunt, Lloyd F., Glendale, Calif. Protective system for electrical distributing systems. 2,085,364; June 29.

Hunt, Roy. (See Jahraus, D. M., and Hunt.)

Husted, Harry A., Akron, assignor, by mesne assignments, to Dr. J. S. Reid, Cleveland, Ohio. Identification means for steering wheels and the like. 2,085,023; June 29.

I. G. Farbenindustrie Aktiengesellschaft. (See Herdieckerhoff, Ernst, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Neubert, Paul, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schoeller, C., and Wittwer, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Steibelt, Werner, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Steindorff, A., and Balle, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Stoewener, Fritz, assignor.)

Iki, Tsuneyasu. (See Sahashi, Y., Takeuchi, Shimamoto, and Iki.)

Ingersoll Milling Machine Company, The. (See Strachan, John M., assignor.)

Inman, George E., Cleveland Heights, and E. Lemmers, Cleveland, Ohio, assignors to General Electric Company. Electric arc lamp. 2,085,530; June 29.

Inman, George E., Cleveland Heights, and E. Lemmers, Cleveland, Ohio, assignors to General Electric Company. Electric arc lamp. 2,085,531; June 29.

Insulite Company, The. (See Ellis, George H., assignor.)

International Motor Company. (See Loeffler, Bruno, assignor.)

International Vibration Company, The. (See Day, William P., assignor.)

Israel, Clinton F., assignor to Master Marble Company, Clarksburg, W. Va. Container for marbles. 2,085,365; June 29.

Jackson, Walter C., Rahway, N. J., assignor to Tingley-Reliance Rubber Corporation. Splash guard. 2,085,660; June 29.

Jacob, Eugene, Trenton, N. J. Nonrefillable bottle. 2,085,366; June 29.

Jacob, Eugene, Trenton, N. J. Container and closure therefor. 2,085,367; June 29.

Jahraus, Donald M., North Hollywood, and R. Hunt, Canoga Park, Calif., assignors to Radio Corporation of America. Motion picture camera. 2,085,193; June 29.

James, Joseph H., assignor to Clarence P. Byrnes, trustee, Pittsburgh, Pa. Manufacture of alkyl acid salts. 2,085,501; June 29.

James, Joseph H., Pittsburgh, assignor to Clarence P. Byrnes, trustee, Sewickley, Pa. Making partial oxidation products. 2,085,221; June 29.

James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Treating liquid partial oxidation products. 2,085,499; June 29.

James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Treatment of oxygen derivatives of hydrocarbons in which aliphatic hydrocarbons predominate. 2,085,500; June 29.

Jamison, R. H. (See Wagoner, Earl B., assignor.)

Janowski, Marion W., Bakersfield, Calif. Can holder and server. 2,085,661; June 29.

Jessen, Arnold H., Los Angeles, Calif. Clutch and operating mechanism therefor. 2,085,317; June 29.

Johns-Manville Corporation. (See Murray, W. H. G., and Miner, assignors.)

Johnson, Carl W. (See Biesmann, William A., assignor.)

Johnson, George W., Cincinnati, and A. F. Hanney, Norwood, assignors to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine and control. 2,085,466; June 29.

Johnson, Walter A., Wagoner, Okla. Vehicle suspension device. 2,085,662; June 29.

Johnson, Wilfrid E., Schenectady, N. Y., assignor to General Electric Company. Balancing device. 2,085,588; June 29.

Johnston, Arthur J., Aldan, Pa., assignor to General Electric Company. Telemetering apparatus. 2,085,589; June 29.

Johnston, Greenhow, Glen Allen, assignor of one-half to G. Maury, Jr., Richmond, Va. Machine gun mount. 2,085,024; June 29.

Johnston, Robert S., Yardley, Pa., assignor to John A. Roebling's Sons Company, Trenton, N. J. Coated welding electrode. 2,085,431; June 29.

Jones, Frederick A. (See Twiss, D. F., and Jones.)

Jones, Harry B., Tonawanda, assignor to Buffalo Bolt Company, North Tonawanda, N. Y. Stock feeding mechanism. 2,085,590; June 29.

Jones, Maurice F., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Low loss armature coil. 2,085,099; June 29.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Power driving mechanism. 2,085,158; June 29.

Jorgensen, Karl V., Hellerup, Denmark. Screw pencil. 2,085,663; June 29.

Karcher, John C., assignor to Geophysical Service, Inc., Dallas, Tex. Method and apparatus for determining porosity of rock formations. 2,085,664; June 29.

Karmazin, John, Huntington, Ind., assignor to General Motors Corporation, Dayton, Ohio. Air deflecting grille. 2,085,159; June 29.

Kaspereit, Otto K., Philadelphia, Pa. Reflecting prism. 2,085,025; June 29.

Kaspereit, Otto K., Philadelphia, Pa. Prism. 2,085,026; June 29.

Kaup, Fred H., and F. H. Kinyoun, Omaha, Nebr. Freezing device for edibles. 2,085,160; June 29.

Kayn, Stephen F., New York, N. Y., assignor to Delamere Company, Inc. Necktie holder. 2,085,715; June 29.

Kean, Otho V., Bronxville, assignor to F. P. Warfield, New York, N. Y. Photographic apparatus. 2,085,432; June 29.

Kearney & Trecker Corporation. (See Pohl, Walter, assignor.)

Keator, E. H. (See Cook, Roger A., assignor.)

Keeling, William O., Independence, Mo. Producing low boiling hydrocarbons. 2,085,027; June 29.

Kelley, Gilbert A. (See Bichowsky, F. R., and Kelley.)

Kelley, Gilbert A., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Air conditioning apparatus. 2,085,028; June 29.

Kellogg, Chever M. (See Anderson, A. P., and Kellogg.)

Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Recording and reproduction of impulses. 2,085,194; June 29.

Kelvinator Corporation. (See Greenwald, Harold A., assignor.)

Kemp, C. M., Manufacturing Company, The. (See Van Horn, William H., assignor.)

Kendall, Charles M., Sweetsers, Ind. Surgical appliance. 2,085,368; June 29.

Kerr, William J., assignor to The Bristol Company, Waterbury, Conn. Automatic starting device and safety shut-off for gas-fired industrial furnaces. 2,085,195; June 29.

Kessler, Charles A., Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop-taker and bobbin-case device for sewing machines. 2,085,699; June 29.

Keys, Charles B., Forest Glen, Md. Trailer coupling. 2,085,260; June 29.

Kilborn, Karl B., assignor to Seiberling Latex Products Company, Akron, Ohio. Valve. 2,085,369; June 29.

Killars, John, Jr., Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass. Filling feeler mechanism. 2,085,716; June 29.

Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of artificial materials and apparatus therefor. 2,085,532; June 29.

Kinyoun, Floyd H. (See Kaup, F. H., and Kinyoun.)

Kirkpatrick, Jesse A., Berkeley, Calif. Propeller for vessels. 2,085,370; June 29.

Kirsch, Georges. (See Ponsot, T. E., Bataille, and Kirsch.)

Kitselman, Alva L., II, Palo Alto, Calif. Roller painter. 2,085,371; June 29.

Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,085,700; June 29.

Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,085,701; June 29.

Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,085,702; June 29.

Klangfilm G. m. b. H. (See Gerlach, Erwin, assignor.)

Klangfilm G. m. b. H. (See Warncke, Hans, assignor.)

Klarer, Josef. (See Mietzsch, F., and Klarer.)

Klarmann, Emil, assignor to Lehn & Fink Corporation, Bloomfield, N. J. Germicidal preparation. 2,085,318; June 29.

Klemgard, Edwin N., Martinez, assignor to Shell Development Company, San Francisco, Calif. Lubricating greases. 2,085,533; June 29.

Klemgard, Edwin N., Martinez, assignor to Shell Development Company, San Francisco, Calif. Soap for manufacturing lubricating greases. 2,085,534; June 29.

Klempt, Walter. (See Gluud, W., Klempt, and Brodkorb.)

Kliesrath, Victor W., South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill. Motor vehicle. 2,085,591; June 29.

Knowles, Dewey D., Wilkinsburg, Pa., and C. E. Haller, Owensboro, Ky., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,085,100; June 29.

Koch, William J., Midland Park, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Steaming fabrics. 2,085,222; June 29.

Koch, Winfield R., Camden, N. J., assignor to Radio Corporation of America. Selectivity control system. 2,085,196; June 29.

Kolstedt, Carl G., Frankfort, Ill. Clothesline fastener. 2,085,319; June 29.

Kolster, Frederick A., New York, N. Y., assignor to Federal Telegraph Company, Newark, N. J. High frequency circuits. 2,085,223; June 29.

Kolstrand, Amandus, Seattle, Wash. Trolling rubber. 2,085,320; June 29.

Koppe, Alexander T., assignor to General Printing Ink Corporation, New York, N. Y. Feeding mechanism for printing presses. 2,085,592; June 29.

Krehbiel, Walter D. (See Beckman, Ernest E., assignor.)

Kraus, Anton, Chicago, Ill. Exercising device. 2,085,161; June 29.

Krueger, Emil M., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Recording meter. 2,085,224; June 29.

Kuhlengel, Louis R., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Pulverizer. 2,085,261; June 29.

Kuhn, Otto J., Syracuse, assignor to Bakelite Building Products Co. Inc., New York, N. Y. Pliable shingle. 2,085,555; June 29.

Kultor King Incorporated. (See Gourley, James N., assignor.)

Lackinger, Frank P., McKees Rocks, Pa. Gear shifting mechanism. 2,085,665; June 29.

La Ferney, Delbert, Pine Bluff, Ark. Nut cracking machine. 2,085,262; June 29.

Lambert, Walter E., Knoxville, Tenn. Conveying skip. 2,085,029; June 29.

La Monte, George, & Son. (See Simons, Francis L., assignor.)

Lampl, Walter, New York, N. Y. Compact. 2,085,502; June 29.

Lane, Alfred M., St. Louis County, assignor to Monarch Metal Weatherstrip Corporation, St. Louis, Mo. Metal weather strip. 2,085,101; June 29.

Lane, Alfred M., St. Louis County, assignor to Monarch Metal Weatherstrip Corporation, St. Louis, Mo. Weather strip. 2,085,102; June 29.

Lang, Victor A., Houston, Tex. Pipe clamp. 2,085,321; June 29.

Langedijk, Siegfried L., and A. J. van Peski, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Polymerization of unsaturated hydrocarbons. 2,085,535; June 29.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission for trucks. 2,085,322; June 29.

Larner, Chester W., Philadelphia, Pa. Sound recording and reproducing mechanism. 2,085,162; June 29.

Larson, Carl R., Chicago, Ill., assignor, by mesne assignments, to Airdraulic Brake Control Corporation. Automatic synchronous clutch and brake control. 2,085,030; June 29.

Lashley, Charles J. W., E. E. Natali, and W. A. Woolf, London, England. Shuttlecock. 2,085,717; June 29.

Lasier, David R., assignor to Norton-Lasier Company, Chicago, Ill. Door closing and checking device. 2,085,593; June 29.

Laughlin, Edwin R. (See Lubs, H. A., Roberts, and Laughlin.)

Lauterbur, Edward J., assignor to Peerless Bread Machinery Corporation, Sidney, Ohio. Weighing, sifting, and delivering apparatus. 2,085,263; June 29.

Leash, Homer E., Nice, Calif. Marking device. 2,085,323; June 29.

Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)

Lee, Leif, Youngstown, Ohio. Furnace. 2,085,103; June 29.

Lehn & Fink Products Corporation. (See Klarmann, Emil, assignor.)

Leischel, William. (See Heimbach, F. S., and Leischel.)

Lemmers, Eugene. (See Inman, G. E., and Lemmers.)

Lenk, Ernest A., assignor of one-half to G. H. Morningstar, Philadelphia, Pa. Combined cake base and slicer. 2,085,372; June 29.

Lester, Robert L., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Duplicator pad. 2,085,197; June 29.

Leventhal, Jacob F., assignor to Leventhal Patents, Inc., New York, N. Y. Optical apparatus. 2,085,594; June 29.

Leventhal Patents, Inc. (See Leventhal, Jacob F., assignor.)

Lever Brothers Company. (See Andersen, Carl N., assignor.)

Levinson, George, Chicago, Ill. Container. 2,085,104; June 29.

Lex, Joseph R., assignor to General Motors Corporation, Detroit, Mich. Portable welding tool. 2,085,105; June 29.

Lichty, Warren C., Detroit, Mich. Knife guard mechanism. 2,085,681; June 29.

Liebel-Flarsheim Company, The. (See Liebel, J. G. H., and Flarsheim, assignors.)

Liebel, John G. H., and E. S. Flarsheim, assignors to The Liebel-Flarsheim Company, Cincinnati, Ohio. Arc lamp. 2,085,536; June 29.

Limanowski, Henry K., Bronx, N. Y. Window controlling and operating device. 2,085,106; June 29.

Lindner, Karl A., Rahway, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Metal mold. 2,085,324; June 29.

Lindsay, Maxwell H. A., Summit, N. J., assignor to American District Telegraph Company, New York, N. Y. Microphonic switch. 2,085,198; June 29.

Lipscomb, Robert G. (See Neitzel, J. W., and Lipscomb.)

Lipton, Sarah, New York, N. Y. Glove. 2,085,467; June 29.

Lithgow, John, Blue Island, Ill. Liquid carbonator. 2,085,107; June 29.

Livingston Orrin W., Schenectady, N. Y., assignor to General Electric Company. Electric valve translating system. 2,085,595; June 29.

Ljungström, Erik, Lidingo-Brevik, assignor to Aktiebolaget Transitoria, Stockholm, Sweden. Closed container such as preserving cans. 2,085,200; June 29.

Loane, Clarence M., Whiting and B. H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Wax coated paper. 2,085,373; June 29.

Locke, Arthur S., Philadelphia, Pa., assignor to Baldwin-Southwark Corporation. Air conditioning apparatus. 2,085,703; June 29.

Lockhead, John L., Springfield, Mass. Muzzle loading firearm. 2,085,031; June 29.

Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Rotatable diesel air chamber operating mechanism. 2,085,199; June 29.

Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,085,433; June 29.

Loftis, Homer J., Ironton, and M. F. McCarthy, Dayton, Ohio, assignor, by mesne assignments to Radio Corporation of America, New York, N. Y. Antenna system. 2,085,434; June 29.

Lohmann, Oscar F., Tenafly, N. J. Manufacture of printed and die cut articles. 2,085,435; June 29.
Lord, Harold W., Schenectady, N. Y., assignor to General Electic Company. Electric control system. 2,085,596; June 29.
Lothian, James, Ewa, Hawaii. Closure for centrifugal machines. 2,085,503; June 29.
Loughlin, James F., Milwaukee, Wis. Manufacture of solvents by fermentation. 2,085,666; June 29.
Louisot, Felix H., and C. J. Muller, Hasbrouck Heights, N. J. Meat product and producing the same. 2,085,108; June 29.
Love, John, West Orange, N. J. Steering wheel control for motor vehicles. 2,085,718; June 29.
Lowe, Joe, Corporation. (See Price, Louis, assignor.)
Lubs, Herbert A., Wilmington, Del., and J. R. Roberts, and E. R. Laughlin, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Paper. 2,085,163; June 29.
Lucht, Victor F., Aberdeen, Md., and E. C. Goebert, Philadelphia, Pa. Gearing. 2,085,032; June 29.
Lucks, Roy G., Portland, Oreg., assignor to California Packing Corporation, San Francisco, Calif. Paring machine. 2,085,225; June 29.
Ludlam, James E., Belleville, N. J. Arch support for shoes. 2,085,374; June 29.
Ludwig, Leon R., Forest Hills, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical conversion system. 2,085,109; June 29.
Lundgren, Tage H. (See Emlen, A. A., and Lundgren.)
Lundh, Oscar S. F. (See Wallgren, A. G. F., and Lundh.)
Luther, Leroy W., South Bend, Ind. Slicing and traying machine. 2,085,110; June 29.
Lyon Cover Company. (See Fergueson, Arthur P., assignor.)
Lyon, Harry, assignor to Lyon-Vail Machine Company, Inc., Brockton, Mass. Measuring mechanism. 2,085,264; June 29.
Lyon-Vail Machine Company. (See Lyon, Harry, assignor.)
Lyons, Ellis C., and R. G. McMahon, Portland, Oreg. Instrument for solving triangles. 2,085,375; June 29.
Lyons, Sanford C., Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass. Conditioning of freshly quarried clay. 2,085,537; June 29.
Lyons, Sanford C., Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass. Resolution of suspensions of finely divided solids into substantially uniform solids fractions of varying average particle size. 2,085,538; June 29.
Macdonald, Alexander R. (See Donk, P. J., and Macdonald.)
MacDonald, Murray J., Long Island City, N. Y., assignor to The National Casket Company, Inc., Boston, Mass. Casket. 2,085,682; June 29.
Macdonald, William E., York, Nebr. Frequency converter. 2,085,266; June 29.
MacGovern, F., Corporation. (See Colbie, Gus L., assignor.)
Macomber, Harry P., assignor to Parker Wire Goods Company, Worcester, Mass. Hacksaw construction. 2,085,667; June 29.
Macomic, Chester A., assignor to Macomic Corporation, Chicago, Ill. Type casting machine. 2,085,033; June 29.
Macomic Corporation. (See Macomic, Chester A., assignor.)
Maede, Leland S., Brooklyn, N. Y. Manufacturing coffee. 2,085,376; June 29.
Magill, Donald G., Great Neck, N. Y., assignor to American Can Company, New York, N. Y. Manufacturing fiber containers. 2,085,034; June 29.
Magney, Gottlieb R., Minneapolis, Minn. Humidifier and dehumidifier with auxiliary unit. 2,085,377; June 29.
Marshall, Abraham L., Schenectady, N. Y., assignor to General Electric Company. Metallurgical furnace atmosphere. 2,085,597; June 29.
Martin Brothers Electric Company. (See Wing, Benton N., assignor.)
Martin, Joseph, Laurelton, assignor to United States Cabinet Bed Co., Brooklyn, N. Y. Couch bed. 2,085,719; June 29.
Martin, Verner L., Mout Hope, W. Va. Machine for grinding locomotive wheels. 2,085,378; June 29.
Mason Box Company, The. (See Williams, Frank S., assignor.)
Master Marble Company. (See Israel, Clinton F., assignor.)
Mauch, Hans, and A. Horn, assignors to Telephon-Apparat-Fabrik E. Zwietusch & Co. G. m. b. H., Berlin-Charlottenburg, Germany. Control station for postal pneumatic tube plants. 2,085,265; June 29.
Maurer, Herman W., Cleveland Heights, Ohio. Soundproof partition. 2,085,436; June 29.
Maury, Greenhow, Jr. (See Johnston, Greenhow, assignor.)
Mauser-Werke A. G. (Ebert, Fritz, assignor.)
McCabe, Ira E. (See Hunciker, Karl, assignor.)
McCarthy, Maurice F. (See Loftis, H. J., and McCarthy.)
McConnell, Benjamin R., Waco, assignor to H. C. McConnell, Port Arthur, Tex. Jack. 2,085,111; June 29.
McConnell, Herbert C. (See McConnell, Benjamin R., assignor.)
McDill, Rex D., East Cleveland, assignor to Adjustable Scaffold & Form Company, Cleveland, Ohio. Controlling apparatus. 2,085,504; June 29.
McGill, Charles S., assignor to McGill Manufacturing Company, Valparaiso, Ind. Portable incandescent lamp. 2,085,683; June 29.
McGill Manufacturing Company. (See McGill, Charles S., assignor.)
McKeown, Charles G., Belfast, Ireland, assignor to Bertram Norton, Claverley, Shropshire County, England. Dust collector. 2,085,506; June 29.
McKiernan, James D., Brooklyn, assignor to Air Reduction Company, Incorporated, New York, N. Y. Template-follower for torch carriages. 2,085,112; June 29.
McMahon, Raymond G. (See Lyons, E. C., and McMahon.)
McShane, Phelan, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor Control system. 2,085,116; June 29.
Mead, George E., Fairhaven, N. Y. Combined foot and leg rest. 2,085,164; June 29.
Mechanical Handling Systems, Inc. (See Francis, Lynn M., assignor.)
Mechanical Research Corporation Limited. (See Hiebert, Erdman R., assignor.)
Mercier, Jean, Neuilly sur Seine, France. Axle torque preventing device. 2,085,454; June 29.
Merck & Co. (See Dalmer, O., and Niemann, assignors.)
Meredith, George W., Cincinnati, Ohio. Internal combustion engine. 2,085,036; June 29.
Meredith, George W., Cincinnati, Ohio. Internal combustion engine. 2,085,036; June 29.
Mergenthaler Linotype Company. (See Albrecht, Christian A., assignor.)
Mergenthaler Linotype Company. (See Burt, Harold A., assignor.)
Mergenthaler Linotype Company. (See Child, Adelbert L., assignor.)
Mergenthaler Linotype Company. (See Nolte, Paul, assignor.)
Methudy, Carl E., St. Louis, Mo., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Ignition device for gas burners. 2,085,267; June 29.
Metropolitan Device Corporation. (See Thomson, Frederick B., assignor.)
Metzgar, Clarence L., Media, Pa. Fire alarm apparatus. 2,085,379; June 29.
Meyer, George F. (See Black, J. D. and Meyer.)
Michelssen, Fritz, Berlin-Steglitz, assignor to Neufeldt & Kuhnke Gesellschaft mit beschrankter Haftung, Kiel, Germany. Optical lens system. 2,085,437; June 29.
Mietzsch, Fritz, Wuppertal-Barmen, and J. Klarer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Azo compounds and their production. 2,085,037; June 29.
Milk Processes, Inc. (See Wendt, Herman D., assignor.)
Miller, Alfred B., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote controlling apparatus. 2,085,438; June 29.
Miller, Charles F., assignor to The National Marking Machine Company, Cincinnati, Ohio. Inking device for marking machines. 2,085,325; June 29.
Miller, Jerome J., Chadron, Nebr. Lawn mower attachment. 2,085,113; June 29.
Milwaukee Saddlery Company. (See Bloomberg, Joseph E., assignor.)
Miner, George H. (See Murray, W. H. G., and Miner.)
Minerva Wax Paper Company. (See Gluck, Fred C., assignor.)
Mitchell, Thomas A., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Treating an ore material. 2,085,114; June 29.
Moffett, Parley. (See Taaffe, T., and Moffett.)
Moineau, René J. L., Paris, France. Gear mechanism. 2,085,115; June 29.
Monarch Metal Weatherstrip Corporation. (See Lane, Alfred M., assignor.)
Monler, Jules, assignor to Société Anonyme de Fabrication de Tapis a Points Noues, Saftan, Paris, France. Automatic loom for the manufacture of knot stitch carpets. 2,085,507; June 29.
Monk, Reginald H., Rosemere, Quebec, Canada, assignor to American Zinc, Lead and Smelting Company, St. Louis, Mo. Titanium pigments. 2,085,165; June 29.
Moore Corporation, The. (See Pletcher, H. S., and Nelson, assignors.)
Moore Dry Kiln Company of Oregon. (See Cobb, James F., assignor.)
Morlock, William J., Collingswood, N. J., assignor to Radio Corporation of America. Film handling apparatus. 2,085,439; June 29.
Morningstar, George H. (See Lenk, Ernest A., assignor.)
Morris, Marion W., assignor to R-B-M Manufacturing Company, Logansport, Ind. Switch. 2,085,539; June 29.
Morrison, Howard, Morristown, W. E. Reichle, Maplewood, and G. N. Thayer, Glen Ridge, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiver. 2,085,117; June 29.
Moser, Wilhelm, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna system. 2,085,226; June 29.

Moser, Wilhelm, and H. Dausel, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Volume control device. 2,085,440; June 29.
Mount, Wilbur S. (See Schlesman, C. H., and Mount.)
Mueller, Theodore M., Pontiac, Mich. Transmission. 2,085,668; June 29.
Muller, Charles J. (See Louisot, F. H., and Muller.)
Muller, Ernest, Oakland, Calif. Micrometer. 2,085,380; June 29.
Murakami, Masasuke, Tokyo, Japan. Rotary engine. 2,085,505; June 29.
Murphy, P. H., Company. (See Gilpin, Garth G., assignor.)
Murphy, P. H., Company. (See Murphy, Walter P., assignor.)
Murphy, P. H., Company. (See Schlesinger, Edgar E., assignor.)
Murphy, Walter P., Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 2,085,540; June 29.
Murray, William H. G., and G. H. Miner, Syracuse, assignors to Johns-Manville Corporation, New York, N. Y. Protected conduit. 2,085,441; June 29.
Mussler, Frank H., Stratford, Conn., assignor to The Bullard Company. Machine tool headstock. 2,085,684; June 29.
Mussler, Frank H., Stratford, Conn., assignor to The Bullard Company. Cross-feeding tool slide. 2,085,685; June 29.
Myer, Percy L., Ozone Park, assignor to The Western Union Telegraph Company, New York, N. Y. Tickertape display apparatus. 2,085,541; June 29.
Myers, Louis, assignor to Myers Manufacturing Company, Galesburg Ill. Disher. 2,085,381; June 29.
Myers Manufacturing Company. (See Myers, Louis, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See de Jong, Frans H., assignor.)
Nagel, August, Stuttgart, Germany, assignor to The Eastman Kodak Company, Rochester, N. Y. Objective-shutter distance-adjusting and releasing apparatus on photographic cameras. 2,085,468; June 29.
Nashua Gummed and Coated Paper Company. (See Gautier, Trevor R., assignor.)
Natali, Edward E. (See Lashley, C. J. W., Natali, and Woolf.)
National Casket Company, The. (See MacDonald, Murray J., assignor.)
National Marking Machine Company, The. (See Miller, Charles F., assignor.)
National Smelting Company, The. (See Frost, J. G. G., and Bonsack, assignors.)
Nebor, Walter, Shamokin, Pa. Snow shovel. 2,085,382; June 29.
Neitzel, Jesse W., and R. G. Lipscomb, assignors to The Globe Machine & Manufacturing Company, Albert Lea, Minn. Whipping and freezing machine for food products. 2,085,542; June 29.
Nelson, Leonard A. (See Pletcher, H. S., and Nelson.)
Neubert, Paul, Leverkusen-I. G.-Werk, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Method and apparatus for recording the temperatures of hot bodies. 2,085,508; June 29.
Neufeldt & Kuhnke Gesellschaft mit beschränkter Haftung. (See Michelssen, Fritz, assignor.)
Neumann, Leopold, assignor to Diktiermaschinen-Patentverwertungs-Gesellschaft m. b. H., Vienna, Austria. Sound recording and reproducing machines. 2,085,383; June 29.
Newell, Arthur B., Kirkwood, Mo. Remote control. 2,085,442; June 29.
Nichols, Daniel R., and H. A. Stevens, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Car side door and trap door. 2,085,443; June 29.
Niemann, John. (See Dalmer, O., and Niemann.)
Niles, George L., et al. (See Brannan, Eldred B., assignor.)
Nilson, Leonard D., Wayzata, assignor to Vulcan Manufacturing Co., Inc., St. Paul, Minn. Hydraulic jack. 2,085,720; June 29.
Nippon Kogaku Kogyo Kabushiki Kaisha. (See Tomozawa, Takashi, assignor.)
Noll, Franz, Berlin-Siemensstadt, assignor to Siemens and Halske Aktiengesellschaft, Siemensstadt near Berlin, Germany. Magnetic material and manufacture thereof. 2,085,118; June 29.
Nolte, Paul, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Keyboard of key-operated typographical machines. 2,085,166; June 29.
Nordell, Carl H., assignor to Chicago Pump Company, Chicago, Ill. Comminuter. 2,085,326; June 29.
Norman, Neville R., River Forest, assignor to Joseph Weidenhoff, Inc., Chicago, Ill. Adjustable bracket. 2,085,227; June 29.
Norton, Bertram. (See McKeown, Charles G., assignor.)
Norton Company. (See Cole, Raymond A., assignor.)
Norton Company. (See Sanford, B., and Webster, assignors.)
Norton-Lasier Company. (See Lasier, David R., assignor.)
Nouel C., Jacinto M., Caracas, Venezuela. Tooth. 2,085,268; June 29.
Nowak, Alois K., Evanston, Ill., assignor to Baldwin-Southwark Corporation. Hydraulic press. 2,085,686; June 29.
Noyes, Richard, Portland, Me. Dispensing device. 2,085,669; June 29.
Nutt, Harold, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,085,167; June 29.
Ofeldt, Frank W. (See Schuchman, W. R., and Ofeldt.)
Oldham, John M., assignor to L. A. Young, Detroit, Mich. Apparatus for filling golf ball cores, centers, and the like. 2,085,228; June 29.
Oliver Farm Equipment Company. (See Braley, W. L., and Brown, assignors.)
Oplinger, Floyd F., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating metals. 2,085,543; June 29.
Oppenheim, René, Gennevilliers, assignor to Société Anonyme le Carbone, Gennevilliers, (Seine), France. Alkali primary cell with depolarization by air. 2,085,269; June 29.
Oppenheim, René, assignor to Société Anonyme le Carbone, Gennevilliers, France. Electric cells connected in a battery. 2,085,598; June 29.
Opticolor, Aktiengesellschaft. (See Gretener, E., and Arni, assignors.)
Orr, William G. D., assignor to A. B. Dick Company, Chicago, Ill. Cushion sheet. 2,085,384; June 29.
Packard Motor Car Company. (See Griswold, Walter R., assignor.)
Paluch, Joseph, Chicopee, Mass. Railway track gauging tool. 2,085,599; June 29.
Paper Service Company, The. (See Rowe, William W., assignor.)
Parker Metal Decorating Company, The. (See Evitt, Harry G., assignor.)
Parker Wire Goods Company. (See Macomber, Harry P., assignor.)
Patent Button Company, The. (See Purinton, Forrest G., assignor.)
Paterson, Earle W. G., Lindsay, Ontario, assignor of one-half to R. W. Davis and one-half to G. W. Cable, Toronto, Ontario, Canada. Beam strut and brake lever support. 2,085,469; June 29.
Paulsen, Axel. (See Waterval, William, assignor.)
Pavlecka, John, Detroit, Mich. Piston engine. 2,085,270; June 29.
Payne, Claron R., Allentown, Pa., assignor to The Atlas Mineral Products Company, Mertztown, Pa. Expansion joint. 2,085,168; June 29.
Payne, William H., La Grange, Ill. Roller floor for furnaces. 2,085,327; June 29.
Peerless Bread Machinery Corporation. (See Lauterbur, Edward J., assignor.)
Peerless Chain Company. (See Bambenek, D. C., and Worner, assignors.)
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Forehearth for molten glass. 2,085,328; June 29.
Penick, Arthur J., and K. T. Penick, Houston, Tex. Seal off tool. 2,085,119; June 29.
Penick, Kirby T. (See Penick, Arthur J. and K. T.)
Perillo, Biagio, assignor of twenty per cent to J. Perillo, twenty per cent to M. Ezzi, and twenty per cent to L. Vella, Jeannette, Pa. Emergency wheel brake. 2,085,385; June 29.
Perillo, Joseph, et al. (See Perillo, Biagio, assignor.)
Perkins, Laurence M., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio apparatus. 2,085,444; June 29.
Perks, Thomas E. (See Ross, C. E., and Perks.)
Perreton, Arnold, Durham, N. H. Receptacle. 2,085,038; June 29.
Peters, Henry O., Tacoma, Wash. Automatic trap nest. 2,085,670; June 29.
Peters, Orville S., Chevy Chase, Md., assignor to Baldwin-Southwark Corporation, Philadelphia, Pa. Extensometer. 2,085,687; June 29.
Petersen, Louis A., Jackson Heights, Long Island, N. Y. Cigarette case. 2,085,600; June 29.
Peterson, Grover F., Piedmont, assignor of one-fifth to M. C. Bruce, San Francisco, Calif. Storage battery. 2,085,229; June 29.
Peterson, Per A., New York, N. Y. Container closure. 2,085,445; June 29.
Pfliiger, Ernst, Vaduz, Liechtenstein. Vehicle control mechanism. 2,085,271; June 29.
Philippe, Louis, New York, N. Y. Dispensing container for powders, pastes, creams, and the like. 2,085,446; June 29.
Phillips Petroleum Company. (See Youker, Malcolm P., assignor.)
Phillips, William J., North Kansas City, and R. Scovel, Kansas City, Mo. Thermocircuit controller. 2,085,386; June 29.
Phinney-Walker Co. Inc. (See Berti, Joseph, assignor.)
Pieper, Alphonse F., Brighton, N. Y. Dental syringe. 2,085,470; June 29.
Pike, Otis W., Schenectady, N. Y., assignor to General Electric Company. Electron discharge device and cooling accessories therefor. 2,085,601; June 29.
Plaine, George, Barberton, Ohio. Expander. 2,085,447 June 29.

Plank, Ray, assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 2,085,039; June 29.
Plaskon Company. (See Ellis, Carleton, assignor.)
Pletcher, Harry S., and L. A. Nelson, assignors to The Moore Corporation, Joliet, Ill. Door for ranges. 2,085,387; June 29.
Pneumatic Scale Corporation. (See Hultin, Oscar H., assignor.)
Pohl, Robert H., Upper Darby, assignor to Sloane-Blabon Corporation, Philadelphia, Pa. Coating for floor covering material. 2,085,602; June 29.
Pohl, Walter, Detroit, Mich., assignor to Kearney & Trecker Corporation, West Allis, Wis. Transmission and control mechanism. 2,085,272; June 29.
Ponsot, Théophile E., R. Bataille, and G. Kirsch, Suresnes, France. Wireless receiving set. 2,085,448; June 29.
Poor & Company. (See Warr, Harold G., assignor.)
Porte, Antoine P. R., Les Ordonnieres, near La Ferte-Imbault, assignor to Societe pour l'Union des Transports Ferroviaires et Routiers, Paris, France. Device for the loading and unloading of wheeled loads on railway cars. 2,085,329; June 29.
Post & McCord. (See Post, Robert C., assignor.)
Post, Robert C., Englewood, N. J., assignor to Post & McCord. Safety braking means for hoisting machines. 2,085,040; June 29.
Potts, Louis M., assignor to Teletype Corporation, Chicago, Ill. Signaling transmitting method and apparatus. 2,085,120; June 29.
Powers, Ralph A., Grosse Pointe, assignor to Electronic Control Corporation, Detroit, Mich. Measuring and sorting apparatus. 2,085,671; June 29.
Preston, Henry C., and A. G. Decker, assignors to The Black & Decker Manufacturing Company, Towson, Md. Manually portable power-driven rotary planer. 2,085,603; June 29.
Price, Louis, assignor to Joe Lowe Corporation, New York, N. Y. Confectionery product. 2,085,330; June 29.
Price, William B., assignor to Scovill Manufacturing Company, Waterbury, Conn. Acid resistant copper alloys. 2,085,544; June 29.
Primavera, Vincent A. R., and S. A. Spaziante, Brooklyn, N. Y. Buckle. 2,085,388; June 29.
Prince-Smith, William, Keighley, England. Spindle for ring spinning and like machines. 2,085,611; June 29.
Prood, John M., Louisville, Ky. Broiler. 2,085,169; June 29.
Public, Free use of the. (See Gaus, George E.)
Puffer, Samuel R., Saugus, Mass., assignor to General Electric Company. Cooling means for aircraft engines. 2,085,604; June 29.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Machine for decorating articles. 2,085,389; June 29.
Quinlivan, James G., Dickinson, N. Dak. Air cooler and humidifier. 2,085,390; June 29.
R-B-M Manufacturing Company. (See Morris, Marion W., assignor.)
Radio Corporation of America. (See Barden, William S., assignor.)
Radio Corporation of America. (See Barton, Loy E., assignor.)
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Bloomenthal, Sidney, assignor.)
Radio Corporation of America. (See Carlisle, Richard W., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Ditcham, William T., assignor.)
Radio Corporation of America. (See Goddard, De Witt R., assignor.)
Radio Corporation of America. (See Guedon, Emile C., assignor.)
Radio Corporation of America. (See Hayward, Sheldon C., assignor.)
Radio Corporation of America. (See Holst, Poul F. G., assignor.)
Radio Corporation of America. (See Jahraus, D. M., and Hunt, assignors.)
Radio Corporation of America. (See Kellogg, Edward W., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Loftis, H. J., and McCarthy, assignors.)
Radio Corporation of America. (See Morlock, William J., assignor.)
Radio Corporation of America. (See Perkins, Laurence M., assignor.)
Radio Corporation of America. (See Trainer, Merrill A., assignor.)
Radio Corporation of America. (See Vance, Arthur W., assignor.)
Radio Corporation of America. (See van Loon, C. J., and Rinia, assignors.)
Radio Corporation of America. (See Vollenbroek, Johannes B. L., assignor.)
Radio Corporation of America. (See Warnke, Herbert R., assignor.)
Radio Corporation of America. (See Welsh, R. R., and Reid, assignor.)
Radio Corporation of America. (See Zworykin, Vladimir K., assignor.)
Rambold, Adolf., Dresden-Laubegast, Germany. Bag. 2,085,509; June 29.
Ramlau, Marie, Cleveland, Ohio. Door-lock indicator. 2,085,331; June 29.
Ramsay, Henry T., and H. P. Rooksby, Middlesex, England, assignors to General Electric Company. Thermionic cathode for electric discharge devices. 2,085,605; June 29.
Randazzo, August, San Jose, Calif. Automatic cigarette dispenser and lighter. 2,084,121; June 29.
Ranke, Hans. (See Borchardt, P., and Ranke.)
Rankin, Donald A., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sizing composition. 2,085,170; June 29.
Rast, William C., Tacoma, Wash. Shipping package. 2,085,332; June 29.
Reagan, Maurice E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic substation. 2,085,122; June 29.
Reconstruction Finance Corporation. (See Guthrie, Robert G., assignor.)
Reddish, Warren T., Cincinnati, Ohio, assignor to Emery Industries, Inc., Cincinnati, Ohio. Detergent compositions. 2,085,471; June 29.
Reichel, John, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Lyophilic biologically active substances and producing the same. 2,085,391; June 29.
Reichel, John, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Container with lyophilic biologically-active substances, etc. 2,085,392; June 29.
Reichle, Winfried E. (See Morrison, H., Reichle, and Thayer.)
Reid, Dr. James S. (See Husted, Harry A., assignor.)
Reid, John D. (See Welsh, R. R., and Reid.)
Relgart, Chauncey, Dansville, and J. Blizard, Garden City, N. Y., and M. Frisch, Cranford, N. J., assignors to Foster Wheeler Corporation, New York, N. Y. Heat exchange apparatus. 2,085,041; June 29.
Retalliau, Edmond R. P. E., Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif. Refining mineral oils. 2,085,545; June 29.
Renault, Louis. (See Saives, Léon, assignor.)
Rentschler, Harvey C., East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Photoelectric tube. 2,085,672; June 29.
Repass, George E., Jasper, assignor to himself as trustee for himself, and L. H. Rice, Birmingham, Ala. Loom selvage device. 2,085,273; June 29.
Replogle, Daniel B., Berkeley, Calif., assignor to Citizens Trust Company, Toledo, Ohio. Air method electric cleaner and carpet sweeper. 2,085,042; June 29.
Republic Steel Corporation. (See Delany, Albanus G., assignor.)
Research Corporation. (See Wintermute, Harry A., assignor.)
Reynolds Corporation. (See Coddington, Edwin D., assignor.)
Reynolds, Nazro H., Alameda, Calif. Rope socket. 2,085,333; June 29.
Rice, Lloyd H., et al. (See Repass, George E., assignor.)
Richards, Norman E., assignor to Textile Machine Works, Wyomissing, Pa. Braiding machine. 2,085,334; June 29.
Richardson, Harold A., New York, N. Y. Combustion control in furnaces. 2,085,201; June 29.
Richter, Edward, Freeport, Ill. Hydraulically operated casket table for hearses. 2,085,043; June 29.
Rider, Herbert E., New York, N. Y., assignor, by mesne assignments, to H. L. Rosenfeld, Jr. Apparatus for generating fuel gas. 2,085,510; June 29.
Rinia, Herre. (See van Loon, C. J., and Rinia.)
Roache, Paul F., Saratoga Springs, N. Y. Shaving cream and toothpaste dispenser. 2,085,673; June 29.
Roberts, John R. (See Lubs, H. A., Roberts, and Laughlin.)
Rockwell, Edward A., Chicago, Ill., assignor, by mesne assignments, to General Auto Parts Corporation. Power clutch. 2,085,607; June 29.
Rockwell, Edward A., and E. R. Evans, Chicago, Ill., said Rockwell assignor, by mesne assignments, to General Auto Parts Corporation. Freewheeling kick-out upon reverse drive. 2,085,606; June 29.
Rodrick, Raymond A., Akron, Ohio, assignor to The Sleetex Company, Inc., New York, N. Y. Windshield ice remover. 2,085,608; June 29.
Roebling's, John A., Sons Company. (See Johnston, Robert S., assignor.)
Roelfsema, Petrus J., Walnut Creek, assignor to Shell Development Company, San Francisco, Calif. Distillation process. 2,085,546; June 29.
Rohn, Wilhelm, Hanau-on-the-Main, Germany. Multihigh rolling mill. 2,085,449; June 29.
Rohn, Wilhelm, Hanau-on-the-Main, Germany. Apparatus for producing metallic ingots. 2,085,450; June 29.
Roller, Paul S., Stelton, N. J. Treating Portland cement. 2,085,044; June 29.
Rooksby, Harold P. (See Ramsay, H. T., and Rooksby.)

Rose, Herbert A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Transformer system. 2,085,123; June 29.
Rosen, Raphael, Cranford, N. J., assignor to Standard Oil Development Company. Inhibitors for lubricating oils. 2,085,045; June 29.
Rosenberg, Edwin C., Milwaukee, Wis. Hydraulic elevator torque damper. 2,085,230; June 29.
Rosenberger, George, Munice, Ind. Trimming machine. 2,085,393; June 29.
Rosenfeld, Henry L., Jr. (See Rider, Herbert E., assignor.)
Ross, Charles E., and T. E. Perks, London, England. Cooking device. 2,085,511; June 29.
Rothe, Horst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Mechanical mounting of electrodes in discharge tubes. 2,085,231; June 29.
Rothe, Horst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Resiliently supported electrode in electron discharge devices. 2,085,232; June 29.
Roush, Samuel E., Midland, Mich. Metallic frame construction. 2,085,472; June 29.
Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Flexible impervious and weather-proof material. 2,085,473; June 29.
Rubery, Owen & Company. (See Freeman, Percy J., assignor.)
Ruck, Henry, Philadelphia, Pa. Wind actuated advertising device. 2,085,451; June 29.
Rust, John D. and M. D., Memphis, Tenn. Cotton picking machine. 2,085,046; June 29.
Rust, Mack D. (See Rust, John D., and M. D.)
Rutt, George A. (See Rutt, Harry R., and G. A.)
Rutt, Harry R., and G. A., Delawanna, N. J. Beverage dispensing system. 2,085,274; June 29.
Ruzicka, Leopoul, Zurich, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Monohalogenated unsaturated ketones containing a sterol nucleus. 2,085,474; June 29.
Sacks, Harry M., Philadelphia, Pa. Combination teething ring and pacifier. 2,085,704; June 29.
Saives, Léon, assignor to L. Renault, Billancourt, France. Seat for automobiles. 2,085,475; June 29.
Sahashi, Yoshikazu, Meguro-Ku, K. Takeuchi, Setagaya-Ku, T. Shimamoto, Yodobashi-Ku, and T. Iki, Omori-Ku, assignors to Zaidau Hojiu Rikagaku Kenkyujo, Tokyo, Japan. Synthetically preparing B(10)-hydroxycamphor. 2,085,476; June 29.
Salgo, Martin, Beverly Hills, Calif. Display stand. 2,085,335; June 29.
Salzberg, Paul L., Carrcroft, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. High molecular weight sulphur compounds. 2,085,452; June 29.
Sandstone, Harvey D., Oakland, Calif. Rotary excavator. 2,085,336; June 29.
Sanford, Baalls, and D. E. Webster, assignors to Norton Company, Worcester, Mass. Abrasive wheel and manufacture. 2,085,705; June 29.
Sargent, William D., assignor to Durafer, Incorporated, Newark, N. J. Centrifugal casting. 2,085,394; June 29.
Sauer, Frederick W., Rutherford, N. J., assignor, by mesne assignments, to Surfacing Wheel Corporation, New York, N. Y. Brush. 2,085,202; June 29.
Schaefer, Joseph J., Germantown, assignor to The Sharples Solvents Corporation, Philadelphia, Pa. Vitrifiable coating composition. 2,085,124; June 29.
Schaer, Eugene, Fort Frances, Ontario, Canada. Cleaning device for hose, pipes, and the like. 2,085,453; June 29.
Schlesinger, Edgar E., Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 2,085,338; June 29.
Schlesman, Carleton H., New York, and W. S. Mount, Jackson Heights, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Engine indicator. 2,085,203; June 29.
Schmidt, Charles B., Buffalo, N. Y. Automobile current supply system. 2,085,275; June 29.
Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Porous and insulating materials. 2,085,047; June 29.
Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Manufacture of color master materials. 2,085,512; June 29.
Schnuelle, Eldred H., Manitowoc, Wis. Releasable hitch. 2,085,340; June 29.
Schoeller, Conrad, and M. Wittwer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Derivatives of carboxylic acid amides. 2,085,706; June 29.
Schönfelder, Herbert, assignor to E. Hoffmann, Leipzig, Germany. Type wheel typewriter. 2,085,609; June 29.
Schrickel, Otto, Mirror Pools, Mount Healthy, Ohio. Projectile toy. 2,085,610; June 29.
Schroeder, Harry C. (See Tuttle, J. L., and Schroeder.)
Schrom, Oscar G., Philadelphia, Pa. Supercharger for internal combustion engines. 2,085,547; June 29.
Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Heinitz, Woldemar, assignor.)
Schuchman, Walter R., Ben Avon, and F. W. Ofeldt, McKeesport, assignors to Homestead Valve Manufacturing Company, Coraopolis, Pa. Valve. 2,085,688; June 29.
Schultz, Edward H., Milwaukee, Wis. Tandem wheel assembly. 2,085,341; June 29.
Schultz, Oswald R., New York, N. Y., assignor to Celiu-Type Plate Co., Inc., Union City, N. J. Making printing forms. 2,085,048; June 29.
Schutte & Koerting Company. (See Hellmer, Ralph E., assignor.)
Scientific Oil Corporation. (See Bellinger, James F., assignor.)
Scott, Henry T., assignor to The American Paper Bottle Company, Toledo, Ohio. Container fabricating machine. 2,085,477; June 29.
Scott, Henry T., assignor to The American Paper Bottle Company, Toledo, Ohio. Folding mechanism. 2,085,478; June 28.
Scovel, Raleigh. (See Phillips, W. J., and Scovel.)
Scovill Manufacturing Company. (See Price, William B., assignor.)
Scoville, James D., assignor to S. Morgan Smith Company, York, Pa. Hydraulic turbine. 2,085,233; June 29.
Sebell, Harry, Boston, assignor to Boston Envelope Company, Dedham, Mass. Cup dispenser. 2,085,395; June 29.
Selberling Latex Products Company. (See Kilborn, Karl B., assignor.)
Shaffer, Glenn A., assignor to Fort Howard Paper Company, Green Bay, Wis. Sheet dispenser. 2,085,480; June 29.
Shaffer, Glenn A., assignor to Fort Howard Paper Company, Green Bay, Wis. Interfolded sheet dispenser. 2,085,481; June 29.
Shaffer, Glenn A., and F. H. Wirtz, assignors to Fort Howard Paper Company, Green Bay, Wis. Dispenser cabinet. 2,085,479; June 29.
Sharp & Dohme, Incorporated. (See Reichel, John, assignor.)
Sharpless Solvents Corporation, The. (See Schaefer, Joseph J., assignor.)
Shaw, Robert C., Holmdel, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio transmitter. 2,085,125; June 29.
Shawinigan Chemicals Limited. (See Blaikie, Kenneth G. assignor.)
Sheard, George H., Athena, Oreg. Straw scattering attachment. 2,085,171; June 29.
Sheer, Harry, New York, N. Y. Dress ornament. 2,085,548; June 29.
Shell Development Company. (See Anderson, A. P., and Kellogg, assignors.)
Shell Development Company. (See Baars, Gerrit, assignor.)
Shell Development Company. (See Belchetz, A., and Carney, assignors.)
Shell Development Company. (See de Simó, M., and Hilmer, assignors.)
Shell Development Company. (See Gregory, Spafford M., assignor.)
Shell Development Company. (See Klemgard, Edwin N., assignor.)
Shell Development Company. (See Langedijk, S. L., and van Peskl, assignors.)
Shell Development Company. (See Retailliau, Edmond R. P. E., assignor.)
Shell Development Company. (See Roelfsema, Petrus J., assignor.)
Shell Development Company. (See van Campen, Pieter, assignor.)
Shell Development Company. (See van Dijck, Willem J. D., assignor.)
Shell Development Company. (See Verver, Cedric G., assignor.)
Shell Development Company. (See Welke, Ferdinand G., assignor.)
Sherman, Lee J., Orange, N. J. Elastic waistband for garments. 2,085,234; June 29.
Shimamoto, Tsuruzo. (See Sahashi, Y., Takeuchi, Shimamoto, and Iki.)
Shoemaker, Bernard H. (See Loane, C. M., and Shoemaker.)
Shore, William J., New York, N. Y. Switch contact. 2,085,707; June 29.
Shurley, Frederick, and Q. H. Shurley, Salt Lake City, Utah. Continuous printing machine. 2,085,126; June 29.
Shurley, Queenie H. (See Shurley, Frederick, and Q. H.)
Sidell, Philip S., Holmesville, Ohio. Harness bellyband. 2,085,674; June 29.
Siemens and Halske Aktiengesellschaft. (See Noll, Franz, assignor.)
Sigel, Hermann, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland. Loom. 2,085,455; June 29.
Signorini, Alberto, Buenos Aires, Argentina. Supporting clasp for personal wear. 2,085,482; June 29.
Simons, Francis L., Needham, Mass., assignor to George La Monte & Son, Nutley, N. J. Safety paper and making same. 2,085,675; June 29.

Singer Manufacturing Company, The. (See Kessler, Charles A., assignor.)
Sippell, Wilhelm V. (See Günzel, Rudolf, assignor.)
Skeats, Wilfred F., Scotia, N. Y., assignor to General Electric Company. Electric control device. 2,085,549; June 29.
Skler, Abraham, Los Angeles, Calif. Store display fixture. 2,085,276; June 29.
Sleeper & Hartley, Inc. (See Blount, W. H., and Thomas, assignors.)
Sleetex Company, The. (See Rodrick, Raymond A., assignor.)
Sloane-Blabon Corporation. (See Pohl, Robert H., assignor.)
Smith, Andrew, assignor to Van Dyke Knitting Co., Milwaukee, Wis. Blank-feeding device. 2,085,339; June 29.
Smith, Harry F., Dayton, Ohio, assignor to General Motors Corporation. Refrigerating apparatus. 2,085,172; June 29.
Smith, J. E., & Co. (See Anderson, Albert J., assignor.)
Smith, Rowland D., assignor to Corning Glass Works, Corning, N. Y. Glass closure for metal containers. 2,085,277; June 29.
Smith, S. Morgan, Company. (See Scoville, James D., assignor.)
Smolczyk, August, Ogallala, Nebr. Underground grain storage elevator. 2,085,396; June 29.
Societe Anonyme Adolphe Saurer. (See Sigel, Hermann, assignor.)
Societe Anonyme Adolphe Saurer. (See Wiget, Georg, assignor.)
Societe Anonyme de Fabrication de Tapis a Points Noues Saftan. (See Monier, Jules, assignor.)
Societe Anonyme le Carbone. (See Oppenheim, René, assignor.)
Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain. (See Desbordes, L., and Bertrand, assignors.)
Societe pour l'Union des Transports Ferroviaires et Routiers. (See Porte, Antoine P. R., assignor.)
Society of Chemical Industry in Basle. (See Ruzicka, Leopold, assignor.)
Socony-Vacuum Oil Company. (See Fast, Fred L., assignor.)
Socony-Vacuum Oil Company. (See Schlesman, C. H., and Mount, assignors.)
Soukup, Frank R., Long Beach, Calif. Cap remover. 2,085,342; June 29.
Spahn, August C., assignor to Bernardin Bottle Cap Company, Evansville, Ind. Cap and making same. 2,085,337; June 29.
Sparkes, Harry P., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photosensitive relay tool control. 2,085,127; June 29.
Spaziante, Saverio A. (See Primavera, V. A. R., and Spaziante.)
Spencer, Millard C., East Orange, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Alternating current shunt motor. 2,085,708; June 29.
Spicacci, Attilio R., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Mounting for lathe centers and the like. 2,085,456; June 29.
Spiess, Georg, Leipzig, Germany. Sheet separating device. 2,085,612; June 29.
Spire, William H., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Machine for making flash butt welds. 2,085,049; June 29.
Stuege, Stephen A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Paper dryness control. 2,085,128; June 29.
Standard Oil Development Company. (See Byrne, Philip J., Jr., assignor.)
Standard Oil Development Company. (See Rosen, Raphael, assignor.)
Standard Oil Company. (See Loane, C. M., and Shoemaker, assignors.)
Stansbury, Miller, Washington, D. C. Apparatus for liquid distribution for hydraulic brakes. 2,085,173; June 29.
Stapling Machines Co. (See Floreyk, Edward M., assignor.)
Staude, Edwin G., Minneapolis, Minn. Single pedal control for motor vehicles. 2,085,550; June 29.
Steel Wheel Corporation, The. (See Kliesrath, Victor W., assignor.)
Steeple, Reginald C., San Mateo, Calif. Ornament. 2,085,343; June 29.
Steibelt, Elisabetha, administratrix. (See Steibelt, Werner.)
Steibelt, Werner, deceased, by E. Steibelt, administratrix, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Composition for combating foam. 2,085,709; June 29.
Steindorf, Robert T., assignor to Chain Belt Company, Milwaukee, Wis. Sedimentation apparatus. 2,085,514; June 29.
Steindorff, Adolf, and G. Balle, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial threads and preparing them. 2,085,513; June 29.
Steinmetz, Alfred A., Scarsdale, assignor to The Western Union Telegraph Company, New York, N. Y. Method of and system for rectifying and increasing the frequency of alternating currents. 2,085,515; June 29.
Stelter, Walter W. P., Echo, Minn. Feeder for corn shredders and the like. 2,085,174; June 29.
Stevens, Herbert A. (See Nichols, D. R., and Stevens.)
Stienen, Ernest A., New York, N. Y. Apparatus for drying hat bodies, beams of textiles, and other articles. 2,085,551; June 29.
Stiles, Thomas G., Arlington, N. J. Drawbridge circuit controller and operating means therefor. 2,085,613; June 29.
Stoewener, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of colloidal metal hydroxides. 2,085,129; June 29.
Stoney, Jown W. (See Wood, A. P., and Stoney.)
Storm, Trygve, Fort Wayne, Ind., assignor to Bakelite Building Products Co. Inc., New York, N. Y. Roofing and siding construction. 2,085,552; June 29.
Stout, Raymond K., Dayton, Ohio. Compass mount. 2,085,050; June 29.
Stowick, Stanley, Chicago, Ill. Spotlight. 2,085,614; June 29.
Strachan, John M., assignor to Ingersoll Milling Machine Company, Rockford, Ill. Machine tool. 2,085,397; June 29.
Streitwolf, Frieda, administratrix. (See Fehrle, A., Streitwolf, and Fritzsche.)
Streitwolf, Karl. (See Fehrle, A., Streitwolf, and Fritzsche.)
Strubler, Gordon L., Chicago, Ill., assignor to Corning Glass Works, Corning, N. Y. Applying vitreous enamel. 2,085,278; June 29.
Sturm, Ralph E., Detroit, Mich., and H. L. Hartzell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Testing apparatus and testing. 2,085,344; June 29.
Sturzenegger, William C. (See Fox, A. L., Haskell, and Sturzenegger.)
Submarine Signal Company. (See Williams, Robert L., assignor.)
Succop, John A., assignor to Heppenstall Company, Pittsburgh, Pa. Hot work die block. 2,085,676; June 29.
Sullivan, David J., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anti-skid device for power driven vehicles. 2,085,204; June 29.
Sun Oil Company. (See Thayer, Clarence H., assignor.)
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Surfacing Wheel Corporation. (See Sauer, Frederick W., assignor.)
Svenska Aktiebolaget Bromsregulator. (See Browall, Bert H., assignor.)
Swickard, Andrew E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,085,130; June 29.
Taaffe, Thomas, and P. Moffett, Los Angeles, Calif., said Moffett assignor to said Taaffe. Illuminated sign. 2,085,398; June 29.
Tabor Manufacturing Company. (See Wallace, Frank R., assignor.)
Takeuchi, Kunijiro. (See Sahashi, Y., Takeuchi, Shimamoto, and Iki.)
Tautenhahn, Otto R., Wichita Falls, Tex. Rotary reciprocating well drill. 2,085,279; June 29.
Tautz, Herbert E., assignor to The Delta Manufacturing Company, Milwaukee, Wis. Jointer fence. 2,085,131; June 29.
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Taylor, Robert B., near Knoxville, Tenn. Treating green corn. 2,085,051; June 29.
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Telephon-Apparat-Fabrik E. Zwietusch & Co. G. m. b. H. (See Mauch, H., and Horn, assignors.)
Teletype Corporation. (See Potts, Louis M., assignor.)
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Van Horn, William H., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md. Automatic fire check. 2,085,485; June 29.
Van Lammeren, Willem P., Voorschoten, Netherlands. Meat cutting machine. 2,085,484; June 29.
Van Loon, Carel J., and H. Rinia, Eindhoven, Netherlands, assignors to Radio Corporation of America. Multi-range radio receiver. 2,085,403; June 29.
Van Peski, Adrianus J. (See Langedijk, S. L., and van Peski.)
Van Vlaanderen Machine Company. (See Koch, William J., assignor.)
Vedder, Edwin H., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Elevator control system. 2,085,133; June 29.
Vella, Louis, et al. (See Perillo, Biagio, assignor.)
Verver, Cedric G., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Treating mineral oils. 2,085,519; June 29.
Villani, Lazzaro V., Milford, Mass. Holder. 2,085,486; June 29.
Voge, Richard G., Annapolis, Md. Hinge. 2,085,616; June 29.
Vollenbroek, Johannes B. L., Eindhoven, Netherlands, assignor to Radio Corporation of America. Variable resistance. 2,085,404; June 29.
Vretman, Carl G., Atlanta, Ga. Air conditioning system for refrigerators. 2,085,346; June 29.
Vulcan Manufacturing Co. (See Nilson, Leonard D., assignor.)
Wachter, Vincent P., Joliet, Ill. Noiseless antiskid horseshoe. 2,085,347; June 29.
Wagner, Fritz, Berlin-Lichterfelde, Germany. Balanced steam inlet valve. 2,085,487; June 29.
Wagner, George C., Baltimore, Md. Hotel alarm signal. 2,085,617; June 29.
Wagoner, Earl B., Lakewood, Ohio, assignor, by mesne assignments, to R. H. Jamison. Metal building structure and assembling the same. 2,085,281; June 29.
Wainwright, Carlyle H., and G. A. Buswell, assignors to The Bentley Engineering Company, Limited, Leicester, England. Circular knitting machine. 2,085,619; June 29.
Walker, Clarence H., San Mateo, Calif. Box. 2,085,458; June 29.
Wallace, Allen, Moorestown, N. J., and J. F. Holloway, Aldan, Pa. Driving box saddle and spring arrangement for locomotives. 2,085,689; June 29.
Wallace, Frank R., assignor to Tabor Manufacturing Company, Philadelphia, Pa. Molding machine. 2,085,690; June 29.
Wallgren, August G. F., Stockholm, and O. S. F. Lundh, Appelviken, assignors to Aktiebolaget Nomy, Stockholm, Sweden. Bearing. 2,085,240; June 29.
Walsh, Edward J., Peekskill, N. Y. Waterproof wall. 2,085,618; June 29.
Warfield, Frederic P. (See Kean, Otho V., assignor.)
Warncke, Hans, Berlin-Suedende, assignor to Klangfilm G. m. b. H., Berlin, Germany. Method and means to scan sound films with a plurality of scanners. 2,085,205; June 29.
Warner, David H., Canton, Ohio. Closure for receptacles. 2,085,176; June 29.
Warnke, Herbert R., Camden, N. J., assignor to Radio Corporation of America, New York, N. Y. Sound translating device. 2,085,721; June 29.
Warr, Harold G., Park Ridge, Ill., assignor, by mesne assignments, to Poor & Company. Supporting and retaining means for railroad rails. 2,085,558; June 29.
Wasilkowski, Franciszek, Lwow, Poland. Door for airship hangars. 2,085,241; June 29.
Waterous Company. (See Boyles, Ralph R., assignor.)
Waterval, William, New York, assignor of one-fourth to A. Paulsen, Brooklyn, N. Y. Waterwheel and propeller. 2,085,282; June 29.
Watkins, Robert. (See Bucy, E. H., and Watkins.)
Weaver, James M., Monroe, Mich. Arc welding circuit. 2,085,242; June 29.
Webb, James A., Portland, Tex. Apparatus for cleaning and conditioning gravel. 2,085,283; June 29.
Weber, Carl, Chicago, Ill. Bathtub construction. 2,085,559; June 29.
Webster, Duane E. (See Sanford, B., and Webster.)
Weeks, Elling O., Milwaukee, Wis. Automatically controlled valve. 2,085,348; June 29.
Weidenhoff, Joseph, Inc. (See Norman, Neville R., assignor.)
Weihe, Hermann K., Berlin, Germany. Hydraulic pressure device. 2,085,620; June 29.
Weisel, Zenas V., assignor to Universal Plow Edge Company, Ltd., Los Angeles, Calif. Plow bottom and renewable cutting edge therefor. 2,085,520; June 29.
Welke, Ferdinand G., assignor to Shell Development Company, San Francisco, Calif. Gas fuel mixing device. 2,085,243; June 29.
Welsh, Robert R., Haddonfield, N. J., and J. D. Reid, Ardmore, Pa., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Detector-oscillator coupling system. 2,085,405; June 29.
Wendt, Ada R., administratrix. (See Wendt, Herman D.)
Wendt, Herman D., deceased, West Chester, by Ada R. Wendt, administratrix, Coudersport, assignor to Milk Processes, Inc., Philadelphia, Pa. Butter substitute. 2,085,134; June 29.

Singer Manufacturing Company, The. (See Kessler, Charles A., assignor.)
Sippell, Wilhelm V. (See Günzel, Rudolf, assignor.)
Skeats, Wilfred F., Scotia, N. Y., assignor to General Electric Company. Electric control device. 2,085,549; June 29.
Skier, Abraham, Los Angeles, Calif. Store display fixture. 2,085,276; June 29.
Sleeper & Hartley, Inc. (See Blount, W. H., and Thomas, assignors.)
Sleetex Company, The. (See Rodrick, Raymond A., assignor.)
Sloane-Blabon Corporation. (See Pohl, Robert H., assignor.)
Smith, Andrew, assignor to Van Dyke Knitting Co., Milwaukee, Wis. Blank-feeding device. 2,085,339; June 29.
Smith, Harry F., Dayton, Ohio, assignor to General Motors Corporation. Refrigerating apparatus. 2,085,172; June 29.
Smith, J. E., & Co. (See Anderson, Albert J., assignor.)
Smith, Rowland D., assignor to Corning Glass Works, Corning, N. Y. Glass closure for metal containers. 2,085,277; June 29.
Smith, S. Morgan, Company. (See Scoville, James D., assignor.)
Smolczyk, August, Ogallala, Nebr. Underground grain storage elevator. 2,085,396; June 29.
Societe Anonyme Adolphe Saurer. (See Sigel, Hermann, assignor.)
Societe Anonyme Adolphe Saurer. (See Wiget, Georg, assignor.)
Societe Anonyme de Fabrication de Tapis a Points Noues Saftan. (See Monier, Jules, assignor.)
Societe Anonyme le Carbone. (See Oppenheim, René, assignor.)
Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain. (See Desbordes, L., and Bertrand, assignors.)
Societe pour l'Union des Transports Ferroviaires et Routiers. (See Porte, Antoine P. R., assignor.)
Society of Chemical Industry in Basle. (See Ruzicka, Leopold, assignor.)
Socony-Vacuum Oil Company. (See Fast, Fred L., assignor.)
Socony-Vacuum Oil Company. (See Schlesman, C. H., and Mount, assignors.)
Soukup, Frank R., Long Beach, Calif. Cap remover. 2,085,342; June 29.
Spahn, August C., assignor to Bernardin Bottle Cap Company, Evansville, Ind. Cap and making same. 2,085,337; June 29.
Sparkes, Harry P., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photosensitive relay tool control. 2,085,127; June 29.
Spaziante, Saverio A. (See Primavera, V. A. R., and Spaziante.)
Spencer, Millard C., East Orange, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Alternating current shunt motor. 2,085,708; June 29.
Spicacci, Attilio R., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Mounting for lathe centers and the like. 2,085,456; June 29.
Spiess, Georg, Leipzig, Germany. Sheet separating device. 2,085,612; June 29.
Spire, William H., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Machine for making flash butt welds. 2,085,049; June 29.
Staege, Stephen A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Paper dryness control. 2,085,128; June 29.
Standard Oil Development Company. (See Byrne, Philip J., Jr., assignor.)
Standard Oil Development Company. (See Rosen, Raphael, assignor.)
Standard Oil Company. (See Loane, C. M., and Shoemaker, assignors.)
Stansbury, Miller, Washington, D. C. Apparatus for liquid distribution for hydraulic brakes. 2,085,173; June 29.
Stapling Machines Co. (See Florcyk, Edward M., assignor.)
Staude, Edwin G., Minneapolis, Minn. Single pedal control for motor vehicles. 2,085,550; June 29.
Steel Wheel Corporation, The. (See Kliesrath, Victor W., assignor.)
Steeple, Reginald C., San Mateo, Calif. Ornament. 2,085,343; June 29.
Steibelt, Elisabetha, administratrix. (See Steibelt, Werner.)
Steibelt, Werner, deceased, by E. Steibelt, administratrix, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Composition for combating foam. 2,085,709; June 29.
Steindorf, Robert T., assignor to Chain Belt Company, Milwaukee, Wis. Sedimentation apparatus. 2,085,514; June 29.
Steindorff, Adolf, and G. Balle, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial threads and preparing them. 2,085,513; June 29.
Steinmetz, Alfred A., Scarsdale, assignor to The Western Union Telegraph Company, New York, N. Y. Method of and system for rectifying and increasing the frequency of alternating currents. 2,085,515; June 29.
Stelter, Walter W. P., Echo, Minn. Feeder for corn shredders and the like. 2,085,174; June 29.
Stevens, Herbert A. (See Nichols, D. R., and Stevens.)
Stienen, Ernest A., New York, N. Y. Apparatus for drying hat bodies, beams of textiles, and other articles. 2,085,551; June 29.
Stiles, Thomas G., Arlington, N. J. Drawbridge circuit controller and operating means therefor. 2,085,613; June 29.
Stoewener, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of colloidal metal hydroxides. 2,085,129; June 29.
Stoney, Jown W. (See Wood, A. P., and Stoney.)
Storm, Trygve, Fort Wayne, Ind., assignor to Bakelite Building Products Co. Inc., New York, N. Y. Roofing and siding construction. 2,085,552; June 29.
Stout, Raymond K., Dayton, Ohio. Compass mount. 2,085,050; June 29.
Stowick, Stanley, Chicago, Ill. Spotlight. 2,085,614; June 29.
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Vedder, Edwin H., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Elevator control system. 2,085,133; June 29.
Vella, Louis, et al. (See Perillo, Biagio, assignor.)
Verver, Cedric G., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Treating mineral oils. 2,085,519; June 29.
Villani, Lazzaro V., Milford, Mass. Holder. 2,085,486; June 29.
Voge, Richard G., Annapolis, Md. Hinge. 2,085,616; June 29.
Vollenbroek, Johannes B. L., Eindhoven, Netherlands, assignor to Radio Corporation of America. Variable resistance. 2,085,404; June 29.
Vretman, Carl G., Atlanta, Ga. Air conditioning system for refrigerators. 2,085,346; June 29.
Vulcan Manufacturing Co. (See Nilson, Leonard D., assignor.)
Wachter, Vincent P., Joliet, Ill. Noiseless antiskid horseshoe. 2,085,347; June 29.
Wagner, Fritz, Berlin-Lichterfelde, Germany. Balanced steam inlet valve. 2,085,487; June 29.
Wagner, George C., Baltimore, Md. Hotel alarm signal. 2,085,617; June 29.
Wagoner, Earl B., Lakewood, Ohio, assignor, by mesne assignments, to R. H. Jamison. Metal building structure and assembling the same. 2,085,281; June 29.
Wainwright, Carlyle H., and G. A. Buswell, assignors to The Bentley Engineering Company, Limited, Leicester, England. Circular knitting machine. 2,085,619; June 29.
Walker, Clarence H., San Mateo, Calif. Box. 2,085,458; June 29.
Wallace, Allen, Moorestown, N. J., and J. F. Holloway, Aldan, Pa. Driving box saddle and spring arrangement for locomotives. 2,085,689; June 29.
Wallace, Frank R., assignor to Tabor Manufacturing Company, Philadelphia, Pa. Molding machine. 2,085,690; June 29.
Wallgren, August G. F., Stockholm, and O. S. F. Lundh, Appelviken, assignors to Aktiebolaget Nomy, Stockholm, Sweden. Bearing. 2,085,240; June 29.
Walsh, Edward J., Peekskill, N. Y. Waterproof wall. 2,085,618; June 29.
Warfield, Frederic P. (See Kean, Otho V., assignor.)
Warncke, Hans, Berlin-Suedende, assignor to Klangfilm G. m. b. H., Berlin, Germany. Method and means to scan sound films with a plurality of scanners. 2,085,205; June 29.
Warner, David H., Canton, Ohio. Closure for receptacles. 2,085,176; June 29.
Warnke, Herbert R., Camden, N. J., assignor to Radio Corporation of America, New York, N. Y. Sound translating device. 2,085,721; June 29.
Warr, Harold G., Park Ridge, Ill., assignor, by mesne assignments, to Poor & Company. Supporting and retaining means for railroad rails. 2,085,558; June 29.
Wasilkowski, Franciszek, Lwow, Poland. Door for airship hangars. 2,085,241; June 29.
Waterous Company. (See Boyles, Ralph R., assignor.)
Waterval, William, New York, assignor of one-fourth to A. Paulsen, Brooklyn, N. Y. Waterwheel and propeller. 2,085,282; June 29.
Watkins, Robert. (See Bucy, E. H., and Watkins.)
Weaver, James M., Monroe, Mich. Arc welding circuit. 2,085,242; June 29.
Webb, James A., Portland, Tex. Apparatus for cleaning and conditioning gravel. 2,085,283; June 29.
Weber, Carl, Chicago, Ill. Bathtub construction. 2,085,559; June 29.
Webster, Duane E. (See Sanford, B., and Webster.)
Weeks, Elling O., Milwaukee, Wis. Automatically controlled valve. 2,085,348; June 29.
Weidenhoff, Joseph, Inc. (See Norman, Neville R., assignor.)
Weihe, Hermann K., Berlin, Germany. Hydraulic pressure device. 2,085,620; June 29.
Weisel, Zenas V., assignor to Universal Plow Edge Company, Ltd., Los Angeles, Calif. Plow bottom and renewable cutting edge therefor. 2,085,520; June 29.
Weike, Ferdinand G., assignor to Shell Development Company, San Francisco, Calif. Gas fuel mixing device. 2,085,243; June 29.
Welsh, Robert R., Haddonfield, N. J., and J. D. Reid, Ardmore, Pa., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Detector-oscillator coupling system. 2,085,405; June 29.
Wendt, Ada R., administratrix. (See Wendt, Herman D.)
Wendt, Herman D., deceased, West Chester, by Ada R. Wendt, administratrix, Coudersport, assignor to Milk Processes, Inc., Philadelphia, Pa. Butter substitute. 2,085,134; June 29.

Westerhouse, Louis M., Birmingham, Ala. Packing ring joint sealing shoe with ring expander. 2,085,457; June 29.
Western Union Telegraph Company, The. (See Myer, Percy L., assignor.)
Western Union Telegraph Company, The. (See Steinmetz, Alfred A., assignor.)
Westinghouse Electric Elevator Company. (See Dunlop, James, assignor.)
Westinghouse Electric Elevator Company. (See Williams, Harold W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Aggers, Clair V., assignor.)
Westinghouse Electric & Manufacturing Company. (See Beers, George L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bobe, Stanley A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brown, Roy L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Furth, Ernest L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hastings, Roger W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jones, Maurice F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Knowles, D. D., and Haller, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ludwig, Leon R., assignor.)
Westinghouse Electric & Manufacturing Company. (See McShane, Phelan, assignor.)
Westinghouse Electric & Manufacturing Company. (See Reagan, Maurice E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Rentschler, Harvey C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rose, Herbert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sparkes, Harry P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Staege, Stephen A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Vedder, Edwin H., assignor.)
Westinghouse X-Ray Company. (See Bodnar, Joseph A., assignor.)
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Air conditioner. 2,085,244; June 29.
Whitehead, William. (See Dreyfus, C., and Whitehead.)
Widmark, Lilly M., Minneapolis, Minn. Threader. 2,085,560; June 29.
Wiegand, Kurt, Berlin-neu-Tempelhof, Germany, assignor to General Electric Company. Gaseous electric discharge device. 2,085,561; June 29.
Wiget, Georg, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland. Pattern mechanism for looms and the like. 2,085,459; June 29.
Williams, Frank S., Providence, R. I., assignor to The Mason Box Company, Attleboro Falls, Mass. Tray for jewelry and the like. 2,085,460; June 29.
Williams, Harold W., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Position indicator. 2,085,135; June 29.
Williams, Harold W., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator control system. 2,085,136; June 29.
Williams Patent Crusher and Pulverizer Company. (See Kuhlengel, Louis R., assignor.)
Williams, Robert L., Newton, assignor to Submarine Signal Company, Boston, Mass. System and apparatus for submarine signaling. 2,085,055; June 29.
Williams, Robert L., Newton, assignor to Submarine signal Company, Boston, Mass. Submarine signaling apparatus. 2,085,056; June 29.
Williams, Willed, Fort Humphreys, Washington, D. C. Dent removing device. 2,085,057; June 29.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 2,085,621; June 29.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 2,085,562; June 29.
Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitation. 2,085,349; June 29.
Winthrop Chemical Company. (See Fehrle, A., Streitwolf and Fritzsche, assignors.)
Winthrop Chemical Company. (See Mietzsch, F., and Klarer, assignors.)
Wirtel, Arthur F. (See De Groote, M., and Wirtel.)
Wirtz, Franklin H. (See Shaffer, G. A., and Wirtz.)
Witt, Rudolph, Northfield, Ohio. Screw pump. 2,085,622; June 29.
Wittwer, Max. (See Schoeller, C., and Wittwer.)
Wollner, Hans, Detroit, assignor to Universal Products Company, Inc., Dearborn, Mich. Dust cover. 2,085,284; June 29.
Wood, A. A. & Sons Company, The. (See Wood, A. P., and Stoney, assignors.)
Wood, Albert P., and J. W. Stoney, assignor to The A. A. Wood & Sons Company, Atlanta, Ga. Gin saw gummer and filer. 2,085,350; June 29.
Wood, Henry A., Berkeley, Calif. Guardrail. 2,085,058; June 29.
Wooddell, Charles E., and J. F. Barnes, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Abrasive article. 2,085,137; June 29.
Woods, William J., assignor to Corning Glass Works, Corning, N. Y. Drawing glass. 2,085,245; June 29.
Woodside, Elmer L., United States Navy. Navigational instrument. 2,085,059; June 29.
Woodward, Benjamin W., and J. R. Hancock, Brooklyn, assignors to W. C. Hovey, New York, N. Y. Electrical system. 2,085,488; June 29.
Woolf, William A. (See Lashley, C. J. W., Natali, and Woolf.)
Worner, Peter. (See Bambeneck, D. C., and Worner.)
Youker, Malcolm P., assignor to Phillips Petroleum Company, Bartlesville, Okla. Manufacturing motor fuels. 2,085,623; June 29.
Young, Hugh E., Chicago, Ill. Constant current system. 2,085,060; June 29.
Young, Leonard A. (See Oldham, John M., assignor.)
Zaidau Hojiu Rikagaku Kenkyujo. (See Sahashi, Y., Takeuchi, Shimamoto, and Iki, assignors.)
Zakos, Evangelos, Brooklyn, assignor to Zakos Menu Holder & Napkin Holder, Inc., New York, N. Y. Card display device. 2,085,285; June 29.
Zakos Menu Holder & Napkin Holder, Inc. (See Zakos, Evangelos, assignor.)
Zetlin, Samuel, Baltimore, Md. Garment hanger. 2,085,138; June 29.
Zschiegner, Herbert E., Ocean Grove, assignor to Baker & Company, Inc., Newark, N. J. Quantitatively determining the metal content of solutions of rhodium. 2,085,177; June 29.
Zworykin, Vladimir K., Philadelphia, Pa., assignor to Radio Corporation of America. Electrical device. 2,085,406; June 29.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Basket, B. F. Kells. 20,428; June 29.
Clutch, Automatic. O. H. Banker. 20,426; June 29.
Container. G. K. Geerlings. 20,427; June 29.
Ester resins and making the same, Vinyl. G. O. Morrison, F. W. Skirrow, and K. G. Blaikie. 20,430; June 29.
Grid lining for centrifugal baskets. E. Roberts. 20,432; June 29.
Tread for pneumatic tires. G. W. Anderson. 20,431; June 29.
Typesetting mechanism for typewriters. J. F. Koca. 20,429; June 29.

LIST OF PLANT INVENTIONS

Rose. J. H. Nicolas. 253; June 29.

LIST OF DESIGN INVENTIONS

Accordion. E. Catena. 105,088; June 29.
Airplane. B. C. Boulton and W. W. Symington, Jr. 105,085; June 29.
Ash receiver, match holder, and gum receptacle or similar article, A combined. J. H. Gray. 105,097; June 29.
Automobile. R. H. Dietrich. 105,166–7; June 29.
Bag for vacuum cleaners, Dust. J. R. Morgan. 105,130; June 29.
Barrette or similar article, Hair. A. Bleich. 105,083; June 29.
Block, Glass building. H. S. Hower. 105,107; June 29.
Board or similar article, Game. J. Ungerland. 105,189; June 29.
Bottle. C. J. Howel. 105,105–6; June 29.
Box, Cooky. M. H. Connor. 105,090; June 29.
Braid for articles of personal wear. M. Sachs. 105,141; June 29.
Brooch or the like. A. Philippe. 105,136; June 29.
Burner, Gas. N. M. Hansen. 105,171; June 29.
Burner, Oil. C. L. Fontana and A. C. Haggstrom. 105,093; June 29.
Bulb, Lamp. C. Birdseye. 105,081–2; June 29.
Cabinet, Vending machine. A. C. Haggstrom. 105,101; June 29.
Candle holder. W. E. Mackelfresh, Jr. 105,118; June 29.
Cap or similar article, Knitted. I. Schlesinger. 105,143; June 29.
Cap, Plug. M. A. Wachstein, Jr. 105,156; June 29.
Case or similar article, Vanity. E. J. Lux. 105,117; June 29.
Case or the like, Vanity. A. F. Reilly. 105,138; June 29.
Casing for a weighing scale. F. A. Nichols. 105,132; June 29.
Chair. W. H. Bond, Jr. 105,084; June 29.
Chair, Office. K. F. Davis and J. J. Josephs. 105,091; June 29.
Clamp, Form. B. Hillberg. 105,103; June 29.
Cleaner, Vacuum. J. R. Morgan. 105,129; June 29.
Cleat, Shoe. F. Wilcox. 105,159; June 29.
Cock and cover for a vacuum bottle, Combined. W. Littlewood. 105,115; June 29.
Comb and brush, Combined. J. D. Dean. 105,165; June 29.
Comb or the like. A. Girouard. 105,096; June 29.
Confectionery product. N. M. Thomas. 105,151; June 29.
Container, Candy. E. Sheridan. 105,145; June 29.
Container or similar article, Jewelry display. S. Mautner. 105,121; June 29.
Crystal unit for a phonograph pick up. R. Dally. 105,164; June 29.
Dispenser, Liquid. B. D. Fuerst. 105,169; June 29.
Doll, Rag. E. M. Dillon. 105,092; June 29.
Dress. A. E. Levy. 105,176; June 29.
Dress. S. Moser. 105,177; June 29.
Dress ensemble. J. Kirschner. 105,175; June 29.
End standard for theater chairs. A. C. Sellers. 105,184–7; June 29.
Fabric, Knitted. A. Grodnick. 105,098–100; June 29.
Fabric, Textile. C. E. Forstmann. 105,094–5; June 29.
Fabric, Textile. C. E. Forstmann. 105,168; June 29.
Fish lure. W. G. Knapp. 105,113; June 29.
Fish lure. H. R. Weaver. 105,158; June 29.
Frame, Glider. L. Vavrik. 105,153; June 29.
Glassware cleaning apparatus. V. S. Mackres. 105,119; June 29.
Glove. J. Neivert. 105,178; June 29.
Glove. L. Postman. 105,181; June 29.
Handle, Lever. R. H. Zinkil. 105,160; June 29.
Hanger, Kitchen and bathroom. G. C. Neth. 105,131; June 29.
Kettle. J. R. Morgan. 105,127; June 29.
Knob for a gear shift lever or the like. J. Sinko. 105,146; June 29.
Lace. H. W. Hucknell. 105,108; June 29.
Lamp, Adjustable. O. G. Hildebrand. 105,173; June 29.
Muddler. O. M. Price. 105,182; June 29.
Noise maker or similar article. F. R. Stewart. 105,188; June 29.
Panel, Ceiling. F. M. Vogan. 105,154; June 29.
Pen or similar article, Fountain. M. G. Sypher. 105,150; June 29.
Piano, Grand. P. von Rohl. 105,155; June 29.
Pin for hearses, Bier. E. L. Schofield. 105,144; June 29.
Pin or similar article, Brooch. A. Katz. 105,112; June 29.
Plate, Memorial. E. J. Mickelsen. 105,122; June 29.
Plate, Radio dial escutcheon. M. W. Kenney and G. W. Walker. 105,174; June 29.
Plate, Radio dial escutcheon. G. W. Walker. 105,190; June 29.
Rack, Display. K. A. Mills. 105,123; June 29.
Rack, Hat display. E. M. Stroock. 105,149; June 29.
Regulator and gauge holder, Combined pressure. H. A. Hallum. 105,170; June 29.
Ring, Finger. T. Roffwarg and A. Savastano. 105,140; June 29.
Ring or similar article, Finger. M. L. Robbins. 105,139; June 29.
Robe. R. D. Cooper. 105,162–3; June 29.
Roof, Vehicle body. N. P. Larsen. 105,114; June 29.
Scale, Weighing. J. R. Morgan. 105,126; June 29.
Scale, Weighing. J. R. Morgan. 105,128; June 29.
Settee or similar article. E. Hauser. 105,172; June 29.
Shingle, Asbestos siding. W. H. Molyneux. 105,124; June 29.
Shoe. C. Morali. 105,125; June 29.
Shoe. J. Starr. 105,147–8; June 29.
Sign or the like, Bulletin board. J. B. Rives. 105,183; June 29.
Sofa or similar article. H. H. Hines. 105,104; June 29.
Spoon or analogous article. H. E. Nock. 105,133–4; June 29.
Stand, Display. J. G. Toomey. 105,152; June 29.
Stand, Display. N. G. Warren and R. Jensen. 105,157; June 29.
Stand for business machines. W. A. Anderson. 105,080; June 29.
Stand, Microscope. W. Maisch. 105,120; June 29.
Stand or similar article, Display. M. Harper. 105,102; June 29.
Stand, Sectional display. R. Bradshaw. 105,086; June 29.
Tank for toilets and cover therefor, Combined flush. B. B. Pieslak. 105,137; June 29.
Tire. H. G. Noss. 105,179; June 29.
Tooth and gum massager or like article, Combined. E. O. Love and E. J. Molitor. 105,116; June 29.
Toy. R. P. Brashear. 105,161; June 29.
Toy. E. Kalep. 105,110–1; June 29.
Toy, Airplane wind wheel. T. M. Samour. 105,142; June 29.
Tray. M. H. Connor. 105,089; June 29.
Truck, Hand. H. Palage. 105,135; June 29.
Valve, Radiator. C. A. Olson. 105,180; June 29.
Vehicle, Child's. S. E. Judd. 105,109; June 29.
Waffle iron. W. A. Briegel. 105,087; June 29.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF JUNE, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordaace with city and telephone directory practice).

Abrasive article. C. E. Wooddell and J. F. Barnes. 2,085,137; June 29.
Abrasive wheel and manufacture. B. Sanford and D. E. Webster. 2,085,705; June 29.
Acetylene generator. G. M. Deming. 2,085,084; June 29.
Acoustic device. A. E. Swickard. 2,085,130; June 29.
Adjustable bracket. N. R. Norman. 2,085,227; June 29.
Advertising device, Wind actuated. H. Ruck. 2,085,451; June 29.
Aerial survey, Device and method for. E. Hörner. 2,085,498; June 29.
Air chamber operating mechanism, Rotatable Diesel. B. Loeffler. 2,085,199; June 29.
Air conditioner. H. B. White. 2,085,244; June 29.
Air conditioning apparatus. G. A. Kelley. 2,085,028; June 29.
Air conditioning apparatus. A. S. Locke. 2,085,703; June 29.
Air conditioning system for refrigerators. C. G. Vretman. 2,085,346; June 29.
Air cooler and humidifier. J. G. Quinlivan. 2,085,390; June 29.
Aircraft drift indicator. L. Dillon. 2,085,010; June 29.
Aircraft propelling device. J. J. Trebuclen. 2,085,483; June 29.
Alarm apparatus, Fire. C. L. Metzgar. 2,085,379; June 29.
Alcohol from artichoke tubers, Production of ethyl. L. M. Christensen and E. I. Fulmer. 2,085,003; June 29.
Alkali abietate compositions and their production. E. A. Georgi. 2,085,151–2; June 29.
Alkali primary cell with depolarization by air. R. Oppenheim. 2,085,269; June 29.
Alloys, Acid resistant copper. W. B. Price. 2,085,544; June 29.
Alternating current shunt motor. M. C. Spencer. 2,085,708; June 29.
Aluminum and aluminum alloys, Treating. J. G. G. Frost and W. Bonsack. 2,085,497; June 29.
Amino-nitriles, Producing. W. Glund, W. Klempt, and F. Brodkorb. 2,085,679; June 29.
Amplifying device. W. S. Barden. 2,085,407; June 29.
Anodic treatment of aluminum. R. W. Buzzard. 2,085,002; June 29.
Antenna, Emergency. W. A. Hamilton. 2,085,585; June 29.
Antenna system. H. J. Loftis and M. F. McCarthy. 2,085,434; June 29.
Antenna system. W. Moser. 2,085,226; June 29.
Antiskid device for power driven vehicles. D. J. Sullivan. 2,085,204; June 29.
Apparatus for alarming the outbreak of fire. C. Hoffbauer. 2,085,658; June 29.
Apparatus for filling golf ball cores, centers, and the like. J. M. Oldham. 2,085,228; June 29.
Apparatus for fractional distillation. H. G. Baars. 2,085,522; June 29.
Arc lamp. J. G. H. Liebel and E. S. Flarsheim. 2,085,536; June 29.
Arsenobenzene-mono-sulphoxylates. A. Fehrle, K. Streitwolf, and P. Fritzsche. 2,085,305; June 29.
Articles, Manufacture of printed and die cut. O. F. Lehmann. 2,085,435; June 29.
Asbestos-cement agglomerate, Making an. L. Czajko. 2,085,640; June 29.
Attachment for fireplaces. W. H. Frankland. 2,085,646; June 29.
Automatically controlled valve. E. O. Weeks. 2,085,348; June 29.
Axle torque preventing device. J. Mercier. 2,085,454; June 29.
Azo compounds and their production. F. Mietzsch and J. Klarer. 2,085,037; June 29.
B (10)-hydroxycamphor, Synthetically preparing. Y. Sahashi, K. Takeuchi, T. Shimamoto, and T. K. Iki. 2,085,476; June 29.
Bag. A. Rambold. 2,085,509; June 29.
Balanced steam inlet valve. F. Wagner. 2,085,487; June 29.
Balancing device. W. E. Johnson. 2,085,588; June 29.
Barrel, Pump pressure operated core. J. D. Brack. 2,084,988; June 29.
Base and slicer, Combined cake. E. A. Lenk. 2,085,372; June 29.
Basket support, Basketball. A. C. Holmdahl. 2,085,206; June 29.
Bathtub construction. C. Weber. 2,085,559; June 29.
Battery: *See*—
Storage battery.
Battery terminal clamp, Storage. F. R. Hiebert. 2,085,497; June 29.

Beam strut and brake lever support. E. W. G. Paterson. 2,085,469; June 29.
Bearing. A. G. F. Wallgren and O. S. F. Lundh. 2,085,240; June 29.
Beverage cooling system. O. H. Eger. 2,085,186; June 29.
Beverage dispensing system. H. R. Rutt and G. A. Rutt. 2,085,274; June 29.
Blank-feeding device. A. Smith. 2,085,339; June 29.
Block: *See*—
Hot work die block.
Board: *See*—
Writing board.
Boiler. T. C. Ervin. 2,085,089; June 29.
Bottle, Nonrefillable. E. Jacob. 2,085,366; June 29.
Box: *See*—
Paper box.
Box. C. H. Walker. 2,085,458; June 29.
Box and hanger therefor, Window. J. D. Black and G. F. Meyer. 2,085,290; June 29.
Box closing machine. J. G. Bates. 2,085,208; June 29.
Box parts, Positioning means for. E. M. Florcyk. 2,085,579; June 29.
Box with end cleats, Wirebound. G. L. Colbie. 2,085,712; June 29.
Bracket: *See*—
Adjustable bracket.
Braiding machine. N. E. Richards. 2,085,334; June 29.
Brake: *See*—
Wheel brake.
Braking means for hoisting machines, Safety. R. C. Post. 2,085,040; June 29.
Brazing, Method of. A. G. Hotchkiss. 2,085,587; June 29.
Bridge, Floating. S. B. Hill. 2,085,156; June 29.
Broiler. J. M. Prood. 2,085,160; June 29.
Brush. F. W. Sauer. 2,085,202; June 29.
Buckle. V. A. R. Primavera and S. A. Spaziante. 2,085,388; June 29.
Buffing and polishing device. M. J. Bailey. 2,085,140; June 29.
Building structure. O. E. Carlson. 2,085,146; June 29.
Building structure and assembling the same, Metal. E. B. Wagoner. 2,085,281; June 29.
Burner control. J. Eaton. 2,085,577; June 29.
Butter substitute. H. D. Wendt. 2,085,134; June 29.
Button, Detachable. J. S. Davis. 2,085,641; June 29.
Cabinet, Dispenser. G. A. Shaffer and F. H. Wirtz. 2,085,479; June 29.
Cable, Fluid impregnated electric. F. L. Aime. 2,085,563; June 29.
Cake container. H. G. Evitt. 2,085,493; June 29.
Calculating machine. E. F. Britten, Jr. 2,085,630; June 29.
Camera, Motion picture. D. M. Jahraus and R. Hunt. 2,085,193; June 29.
Cap and making same. A. C. Spahn. 2,085,337; June 29.
Cap, Collapsible tube. T. A. Brige. 2,085,629; June 29.
Cap remover. F. R. Soukup. 2,085,342; June 29.
Car construction, Railway. T. F. Dwyer, Jr., and J. C. Hassett. 2,085,713; June 29.
Car, Mine. V. Willoughby. 2,085,621; June 29.
Car, Railway tank. I. C. Davis. 2,085,419; June 29.
Car, Refrigerated tank. C. H. Folmsbee. 2,085,090; June 29.
Carburetor. I. E. Coffey. 2,085,351; June 29.
Card display device. E. Zakos. 2,085,285; June 29.
Carton. O. H. Hultin. 2,085,465; June 29.
Carton and blank for forming same. C. J. Grace, Jr. 2,085,680; June 29.
Case: *See*—
Cigarette case.
Casing feeding mechanism. E. H. Taylor. 2,085,615; June 29.
Casket. M. J. MacDonald. 2,085,682; June 29.
Casting, Centrifugal. W. D. Sargent. 2,085,394; June 29.
Casting method. E. P. Engstrom. 2,085,015; June 29.
Catcher for rolling mills, Automatic. A. G. Delany. 2,085,083; June 29.
Cathode for electric discharge devices, Thermionic. H. T. Ramsay and H. P. Rooksby. 2,085,605; June 29.
Cellulose derivative spinning solution containing wax. C. Dreyfus and W. Whitehead. 2,085,013; June 29.
Cellulosic product. R. Fortune. 2,085,463; June 29.
Cement, Treating Portland. P. S. Roller. 2,085,044; June 29.
Chain: *See*—
Tire chain.
Checking attachment for planters, Rotary. W. L. Ginn. 2,085,678; June 29.

Cigarette case. L. A. Petersen. 2,085,600; June 29.
Cigarette package and ash tray, Combination. E. D. Allen. 2,085,062; June 29.
Circuit and control, Heater. G. H. Hart. 2,085,217; June 29.
Circuit, Arc welding. J. M. Weaver. 2,085,242; June 29.
Circuit breaker. S. S. Grady. 2,085,018; June 29.
Circuit control mechanism, Hydraulic. H. Ernst. 2,085,303; June 29.
Circuit controller and operating means therefor, Drawbridge. T. G. Stiles. 2,085,613; June 29.
Circuit, Diode rectifier. L. E. Barton. 2,085,408; June 29.
Circuit for telephone system, Testing. G. C. Bierstedt. 2,085,141; June 29.
Circuits, High frequency. F. A. Kolster. 2,085,223; June 29.
Circuits, Gas-filled tube. W. M. Goodall. 2,085,094; June 29.
Clamp: *See*—
Battery terminal clamp. Pipe clamp.
Clasp for personal wear, Supporting. A. Signorini. 2,085,482; June 29.
Clay, Conditioning of freshly quarried. S. C. Lyons. 2,085,537; June 29.
Cleaner: *See*—
Suction cleaner. Vacuum cleaner.
Cleaner and carpet sweeper, Air method electric. D. B. Replogle. 2,085,042; June 29.
Cleaning device for hose, pipes, and the like. E. Schaer. 2,085,453; June 29.
Clock, Electric. J. Berti. 2,085,071; June 29.
Closure, Container. P. A. Peterson. 2,085,445; June 29.
Closure for centrifugal machines. J. Lothian. 2,085,503; June 29.
Closure for metal containers, Glass. R. D. Smith. 2,085,277; June 29.
Closure for receptacles. D. H. Warner. 2,085,176; June 29.
Clothesline fastener. C. G. Kolstedt. 2,085,319; June 29.
Clutch: *See*—
Power clutch.
Clutch and brake control, Automatic synchronous. C. R. Larson. 2,085,030; June 29.
Clutch and operating mechanism therefor. A. H. Jessen. 2,085,317; June 29.
Clutch plate. H. Nutt. 2,085,167; June 29.
Coating composition, Vitrifiable. J. J. Schaefer. 2,085,124; June 29.
Coating for floor covering material. R. H. Pohl. 2,085,602; June 29.
Coffee, Manufacturing. L. S. Maede. 2,085,376; June 29.
Coil, Low loss armature. M. F. Jones. 2,085,090; June 29.
Coin testing device. T. Bibicos. 2,085,626; June 29.
Color filter. E. Gretener and H. Arni. 2,085,190; June 29.
Color master materials, Manufacture of. G. Schneider. 2,085,512; June 29.
Coloring compositions, Preparation of. E. A. Grenquist. 2,085,528; June 29.
Combustion control in furnaces. H. A. Richardson. 2,085,201; June 29.
Comminuter. C. H. Nordell. 2,085,326; June 29.
Commutating device. A. B. Du Mont. 2,085,576; June 29.
Compact. W. Lampl. 2,085,502; June 29.
Composition for combating foam. W. Steibelt. 2,085,709; June 29.
Condensation products of phenol-phthalein. E. H. Bucy and R. Watkins. 2,085,183; June 29.
Condenser: *See*—
Plate condenser.
Conduit, Protected. W. H. G. Murray and G. H. Miner. 2,085,441; June 29.
Confection. G. G. Fulkerson. 2,085,495; June 29.
Confectionery product. L. Price. 2,085,330; June 29.
Container: *See*—
Cake container. Display container.
Container. E. M. Bourland. 2,085,292; June 29.
Container. G. Levinson. 2,085,104; June 29.
Container. O. J. Towell. 2,085,230; June 29.
Container. L. A. Trevisan. 2,085,054; June 29.
Container and closure therefor. E. Jacob. 2,085,367; June 29.
Container conveyer and distributor. C. N. Bergmann. 2,085,410; June 29.
Container fabricating machine. H. T. Scott. 2,085,477; June 29.
Container for electrolytic condensers, Carbon coated. S. Bloomenthal. 2,085,413; June 29.
Container for marbles. C. F. Israel. 2,085,365; June 29.
Container for powders, pastes, creams, and the like, Dispensing. L. Philippe. 2,085,446; June 29.
Container such as preserving can, Closed. E. Ljungström. 2,085,200; June 29.
Container with lyophilic biologically-active substances, etc. J. Reichel. 2,085,392; June 29.
Containers, Manufacturing fiber. D. G. Magill. 2,085,034; June 29.
Control device. E. J. Dillman. 2,085,300; June 29.
Control device. R. L. Uhl. 2,085,557; June 29.
Control for motor vehicles, Steering wheel. J. Love. 2,085,718; June 29.
Control station for postal pneumatic tube plants. H. Mauch and A. Horn. 2,085,265; June 29.
Control system, Electric. H. W. Lord. 2,085,596; June 29.
Control system for electrically operated devices. G. F. Drake. 2,085,086; June 29.
Controlling apparatus. R. D. McDill. 2,085,504; June 29.
Conveyance for transporting railway cars and the like by road. J. Culemeyer and W. Bode. 2,085,353; June 29.
Cooking device. C. E. Ross and T. E. Perks. 2,085,511; June 29.
Cooling means for aircraft engines. S. R. Puffer. 2,085,604; June 29.
Corn, Treating green. R. B. Taylor. 2,085,051; June 29.
Cotton picking machine. J. D. and M. D. Rust. 2,085,046; June 29.
Couch bed. J. Martin. 2,085,719; June 29.
Coupling. *See*—
Trailer coupling.
Cover: *See*—
Dust cover. Tire cover.
Cream and toothpaste dispenser, Shaving. P. F. Roache. 2,085,673; June 29.
Creel. J. F. Anderson. 2,085,564; June 29.
Cruising accelerator. R. A. Cook. 2,085,352; June 29.
Crushing and grinding mill. F. Gross. 2,085,216; June 29.
Cultures of butyl micro-organisms, Maintaining or invigorating. C. T. Hanson. 2,085,428; June 29.
Cup dispenser. H. Sebell. 2,085,395; June 29.
Current supply system, Automobile. C. B. Schmidt. 2,085,275; June 29.
Current system, Constant. H. E. Young. 2,085,060; June 29.
Currents, Method of and system for rectifying and increasing the frequency of alternating. A. A. Steinmetz. 2,085,515; June 29.
Cushion, Invalid. G. Carey. 2,085,206; June 29.
Cushion sheet. W. G. D. Orr. 2,085,384; June 29.
Cushioned seat. J. E. Bloomberg. 2,085,560; June 29.
Cutter: *See*—
Rotary cutter. Scrollwork cutter.
Cutting device. H. Broadwell. 2,085,079; June 29.
Cylinder sleeve press. F. S. Heimbach and W. Leischel. 2,085,529; June 29.
Damper, Hydraulic elevator torque. E. C. Rosenverg. 2,085,230; June 29.
Dent removing device. W. Williams. 2,085,057; June 29.
Dental plate. A. W. Ballardie. 2,085,067; June 29.
Derivatives of carboxylic acid amides. C. Schoeller and M. Wittwer. 2,085,706; June 29.
Detector-oscillator coupling system. R. R. Welsh and J. D. Reid. 2,085,405; June 29.
Detergent compositions. W. T. Reddish. 2,085,471; June 29.
Detergent, Making a. A. C. Brown. 2,085,691; June 29.
Dewaxing process and apparatus, Continuous. A. P. Anderson and C. M. Kellogg. 2,085,521; June 29.
Die apparatus. V. J. Graf. 2,085,189; June 29.
Di-halogen substituted α-(p-hydroxyphenyl)-α-amino-acetic acid, hydrohalides of the same, and their production. O. Dalmer and J. Niemann. 2,085,009; June 29.
Direction indicating system. R. A. Heising. 2,085,218; June 29.
Disher. L. Myers. 2,085,381; June 29.
Disk and making the same, Grinding. H. H. Budds and T. Gorzelany. 2,085,211; June 29.
Dispenser: *See*—
Cream and toothpaste dispenser. Cup dispenser. Sheet dispenser.
Dispenser and lighter, Automatic cigarette. A. Randazzo. 2,084,121; June 29.
Dispensing device. R. Noyes. 2,085,669; June 29.
Display container, Folding. O. J. Towell. 2,085,238; June 29.
Display device. W. Hausen. 2,085,097; June 29.
Display-stand. M. Salgo. 2,085,335; June 29.
Distillation, Amplified. J. R. Bailey. 2,085,287; June 29.
Distillation process. P. J. Roelfsema. 2,085,546; June 29.
Door and trap door, Car side. D. R. Nichols and H. A. Stevens. 2,085,443; June 29.
Door closing and checking device. D. R. Lasier. 2,085,593; June 29.
Door fixture. S. P. Gredzinski. 2,085,154; June 29.
Door for airship hangers. F. Wasilkowski. 2,085,241; June 29.
Door for ranges. H. S. Pletcher and L. A. Nelson. 2,085,387; June 29.
Door-lock indicator. M. Ramlau. 2,085,331; June 29.
Drawing board attachment. F. Farrell. 2,085,304 June 29.
Dress, Maternity. S. E. Badanes. 2,085,179; June 29.
Drill: *See*—
Well drill.
Driving box saddle and spring arrangement for locomotives. A. Wallace and J. F. Holloway. 2,085,689; June 29.

Driving mechanism. N. Heisdorf. 2,085,657; June 29.
Dump for carpet sweepers, Dustpan. W. Bissell. 2,085,209; June 29.
Duplicator pad. R. L. Lester. 2,085,197; June 29.
Dust collector. C. G. McKeown. 2,085,506; June 29.
Dust cover. H. Wollner. 2,085,284; June 29.
Duster. Dust mop. T. Gutterson. 2,085,653; June 29.
Dye compositions, Vat. P. W. Carleton and A. L. Fox. 2,085,145; June 29.
Edge illuminated indicator. S. C. Hayward. 2,085,192; June 29.
Electric arc lamp. G. E. Inman and E. Lemmers. 2,085,530–1; June 29.
Electric cells connected in a battery. R. Oppenheim. 2,085,598; June 29.
Electric circuit. E. E. Beckman. 2,085,568; June 29.
Electric control device. W. F. Skeats. 2,085,549; June 29.
Electric discharge apparatus. D. D. Knowles and C. E. Haller. 2,085,100; June 29.
Electric discharge device, Gaseous. K. Wiegand. 2,085,561; June 29.
Electric lamp. C. Birdseye. 2,084,999; June 29.
Electric weld timer and method. D. V. Edwards. 2,085,696; June 29.
Electrical conversion system. L. R. Ludwig. 2,085,109; June 29.
Electrical device. V. K. Zworykin. 2,085,406; June 22.
Electrical outlet planner. J. W. Collins. 2,085,638; June 29.
Electrical precipitation. H. A. Wintermute. 2,085,349; June 29.
Electrical system. B. W. Woodward and J. R. Hancock. 2,085,488; June 29.
Electrical waves, Method of and apparatus for producing. A. W. Vance. 2,085,402; June 29.
Electrode, Coated welding. R. S. Johnston. 2,085,431; June 29.
Electrode in electron discharge devices, Resiliently supported. H. Rothe. 2,085,232; June 29.
Electrode, Rectal. B. J. Ferciot. 2,085,644; June 29.
Electrodes in discharge tubes, Mechanical mounting of. H. Rothe. 2,085,231; June 29.
Electron discharge device and cooling accessories therefor. O. W. Pike. 2,085,601; June 29.
Elevator: *See*—
Grain storage indicator.
Elevator control system. E. H. Vedder. 2,085,133; June 29.
Elevator control system. H. W. Williams. 2,085,136; June 29.
Enamel, Applying vitreous. G. L. Strubler. 2,085,278; June 29.
End forming device. W. H. Blount and P. S. Thomas. 2,085,570; June 29.
Engine: *See*—
Internal combustion engine. Piston engine.
Rotary engine.
Engine indicator. C. H. Schlesman and W. S. Mount. 2,085,203; June 29.
Excavator: *See*—
Rotary excavator.
Exercising device. A. Kraus. 2,085,161; June 29.
Expander. G. Plaine. 2,085,447; June 29.
Expansion joint. C. R. Payne. 2,085,168; June 29.
Extensometer. O. S. Peters. 2,085,687; June 29.
Fabric: *See*—
Plaster reenforcing fabric.
Fabric, Steaming. W. J. Koch. 2,085,222; June 29.
Fastener: *See*—
Clothesline fastener.
Feed mechanism for typewriters. T. French. 2,085,464; June 29.
Feeder: *See*—
Paper feeder.
Feeder for corn shredders and the like. W. W. P. Stelter. 2,085,174; June 29.
Fence, Jointer. H. E. Tautz. 2,085,131; June 29.
Feeding mechanism for printing presses. A. T. Koppe. 2,085,592; June 29.
Filament mounting and mechanism therefor J. Flaws, Jr. 2,085,578; June 29.
Filling feeler mechanism. J. Killars, Jr. 2,085,716; June 29.
Film developing apparatus. E. Gerlach. 2,085,188; June 29.
Film handling apparatus. W. J. Morlock. 2,085,439; June 29.
Films, sheets, and the like, Utilization of cellulosic. J. M. Driver. 2,085,301; June 29.
Films with a plurality of scanners, Method and means to scan sound. H. Warncke. 2,085,205; June 29.
Filter: *See*—
Color filter.
Firearm, Muzzle loading. J. L. Lockhead. 2,085,031; June 29.
Fire check, Automatic. W. H. Van Horn. 2,085,405; June 29.
Firing mechanism for fuses. A. F. Teitscheid. 2,085,053; June 29.
Fishing rod handle, Armpit rest. L. G. Harris. 2,085,654; June 29.
Fishing tackle. W. H. Hansen. 2,085,096; June 29.
Flange curling machine. W. F. Butler. 2,085,001; June 29.
Float, Farm. M. S. Fish. 2,085,645; June 29.
Floor. A. C. Gonzalez. 2,085,215; June 29.
Floor for furnaces, Roller. W. H. Payne. 2,085,327; June 29.
Flusher and cleaner, Crankcase. J. K. Delano. 2,085,075; June 29.
Folding mechanism. H. T. Scott. 2,085,478; June 29.
Foot and leg rest, Combined. G. E. Mead. 2,085,164; June 29.
Forehearth for molten glass. K. E. Peiler. 2,085,328; June 29.
Forms, Making printing. O. R. Schultz. 2,085,048; June 29.
Founding, Metal. M. W. Dundore. 2,085,302; June 29.
Frame construction, Metallic. S. E. Roush. 2,085,472; June 29.
Frame for rock drills, Supporting. L. W. Greve. 2,085,651 June 29.
Freewheeling kick-out upon reverse drive. E. A. Rockwell and E. R. Evans. 2,085,606; June 29.
Freezing device for edibles. F. H. Kaup and F. H. Kinyoun. 2,085,160; June 29.
Frequency converter. W. E. Macdonald. 2,085,266; June 29.
Fuels, Manufacturing motor. M. P. Youker. 2,085,623; June 29.
Furnace. L. Lee. 2,085,103; June 29.
Furnace atmosphere, Metallurgical. A. L. Marshall. 2,085,597; June 29.
Furnace for ore reduction. G. Andersen. 2,085,625; June 29.
Garment hanger. S. Zetlin. 2,085,138; June 29.
Gas, Apparatus for generating fuel. H. E. Rider. 2,085,510; June 29.
Gas atmosphere, Apparatus for producing a. O. S. Haskell. 2,085,584; June 29.
Gas atmosphere, Apparatus for producing a. A. G. Hotchkiss. 2,085,586; June 29.
Gas fuel mixing device. F. G. Welke. 2,085,243; June 29.
Gas transportation systems, Method and apparatus for establishing and controlling a reserve storage in. A. J. Diescher. 2,085,526; June 29.
Gas valve, Automatic safety. E. E. Green. 2,085,581; June 29.
Gases and vapors, Discharging device for. G. Deibel. 2,085,297; June 29.
Gaseous conduction device. R. E. Barclay. 2,084,996; June 29.
Gear mechanism. R. J. Moineau. 2,085,115; June 29.
Gear shift transmission, Automobile. J. L. Getaz. 2,085,257; June 29.
Gear shifting mechanism. F. P. Lackinger. 2,085,665; June 29.
Gearing. V. F. Lucht and E. C. Goebert. 2,085,032; June 29.
Generator: *See*—
Acetylene generator.
Germicidal preparation. E. Klarmann. 2,085,318; June 29.
Glass, Drawing. W. J. Woods. 2,085,345; June 29.
Glasses resistant to alkali metal vapors, Making. R. H. Dalton. 2,085,251; June 29.
Glove. S. Lipton. 2,085,467; June 29.
Grain storage elevator, Underground. A. Smolczyk. 2,085,396; June 29.
Gravel, Apparatus for cleaning and conditioning. J. A. Webb. 2,085,283; June 29.
Greases, Lubricating. E. N. Klemgard. 2,085,533; June 29.
Grenade, Hand. R. C. Allen. 2,084,994; June 29.
Grille, Air deflecting. J. Karmazin. 2,085,159; June 29.
Grinder, Valve seat. M. D. Tyler. 2,085,280; June 29.
Guard mechanism, Knife. W. C. Lichty. 2,085,681; June 29.
Guard rail. H. A. Wood. 2,085,058; June 29.
Guard rail, Highway. L. H. Height and J. L. Brown. 2,085,098; June 29.
Guard, Splash. W. C. Jackson. 2,085,660; June 29.
Gum composition, Chewing. K. G. Blaikie. 2,085,490; June 29.
Hacksaw construction. H. P. Macomber. 2,085,667; June 29.
Hanger: *See*—
Garment hanger.
Harness belly-band. P. S. Sidell. 2,085,674; June 29.
Hat bodies, beams of textiles and other articles, Apparatus for drying. E. A. Stienen. 2,085,551; June 29.
Heat exchange apparatus. C. Reigart, J. Blizard, and M. Frisch. 2,085,041; June 29.
Heat exchange devices, Controlling the operation of. P. Borchardt and H. Ranke. 2,084,987; June 29.
Heat exchanger, High pressure. C. H. Thayer. 2,085,677; June 29.
Heater: *See*—
Tank heater. Water heater.
Heater and making same, Water. H. A. Feldt. 2,085,256; June 29.
Helicopter. B. M. Hall. 2,085,359; June 29.

High strength brass. M. G. Corson. 2,085,416; June 29.
Hinge. R. G. Voge. 2,085,616; June 29.
Hinge assembly for cast metal members. R. V. Burdick. 2,085,631; June 29.
Hitch, Releasable. E. H. Schnucile. 2,085,340; June 29.
Hooking device, Automatic. A. C. Dixon. 2,085,012; June 29.
Holder: *See*—
Necktie holder. Yarn holder.
Holder. L. V. Villani. 2,085,486; June 29.
Holder and server, Can. M. W. Janowski. 2,085,661; June 29.
Horseshoe, Noiseless antiskid. V. P. Wachter. 2,085,347; June 29.
Hot work die block. J. A. Succop. 2,085,676; June 29.
Humidifier and dehumidifier with auxiliary unit. G. R. Magney. 2,085,377; June 29.
Hydrant and deformable or breakable valve stem therefor. R. R. Boyles. 2,085,074; June 29.
Hydraulic jack. L. D. Nilson. 2,085,720; June 29.
Hydraulic press. R. W. Dinzl. 2,085,695; June 29.
Hydraulic press. A. K. Nowak. 2,085,686; June 29.
Hydraulic pressure device. H. K. Weihe. 2,085,620; June 29.
Hydrocarbons, Polymerization of unsaturated. S. L. Langedijk and A. J. van Peski. 2,085,535; June 29.
Hydrocarbons, Producing low boiling. W. O. Keeling. 2,085,027; June 29.
Ice remover, Windshield. R. A. Rodrick. 2,085,608; June 29.
Identification device. G. E. Gaus. 2,085,309; June 29.
Identification means for steering wheels and the like. H. A. Husted. 2,085,023; June 29.
Ignition device for gas burners. C. E. Methudy. 2,085,267; June 29.
Illuminated sign. T. Taaffe and P. Moffett. 2,085,398; June 29.
Illuminating device. M. and P. Gottlieb. 2,085,580; June 29.
Impeller mechanism for cooking apparatus. J. D. Ferry. 2,085,494; June 29.
Indicating instrument. C. D. Barbulesco. 2,084,995; June 29.
Indicator: *See*—
Aircraft drift indicator. Position indicator.
Door-lock indicator. Telemetric repeating indicator.
Edge illuminated indicator. Weather indicator.
Engine indicator.
Ingots, Apparatus for producing metallic. W. Rohn. 2,085,450; June 29.
Ingots, Apparatus for stripping. G. A. Dornin. 2,085,212; June 29.
Inhibitors for lubricating oils. R. Rosen. 2,085,045; June 29.
Inking device for marking machines. C. F. Miller. 2,085,325; June 29.
Instrument for solving triangles. E. C. Lyons and R. G. McMahon. 2,085,375; June 29.
Insulator. A. L. Fox, F. V. Haskell, and W. C. Sturzenegger. 2,085,077; June 29.
Internal combustion engine. G. W. Meredith. 2,085,035–6; June 29.
Internal combustion motor. G. F. Callahan, Jr. 2,084,991; June 29.
Jack: *See*—
Hydraulic jack.
Jack. B. R. McConnell. 2,085,111; June 29.
Joint: *See*—
Expansion joint.
Joint for carburetors. M. E. Chandler. 2,085,574; June 29.
Ketones containing a sterol nucleus, Monohalogenated unsaturated. L. Ruzicka. 2,085,474; June 29.
Keyboard of key-operated typographical machines. P. Nolte. 2,085,166; June 29.
Kiln, Dry. J. F. Cobb. 2,085,634; June 29.
Kiln, Frit. J. W. Emery. 2,085,254; June 29.
Knife, Machine. C. E. Aff. 2,084,993; June 29.
Knitting machine, Circular. C. H. Wainwright and G. A. Buswell. 2,085,619; June 29.
Label-holder applicable to documents. R. Guichard. 2,085,496; June 29.
Laminations, Fabricating. E. L. Furth. 2,085,092; June 29.
Lamp: *See*—
Arc lamp. Portable incandensecent lamp.
Electric arc lamp.
Electric lamp.
Lapping machine. R. A. Cole. 2,085,005; June 29.
Last, Hinged. C. P. S. Cross. 2,085,148; June 29.
Lens system, Optical. F. Michelssen. 2,085,437; June 29.
Liquid carbonator. J. Lithgow. 2,085,107; June 29.
Liquid distribution for hydraulic brakes, Apparatus for. M. Stansbury. 2,085,173; June 29.
Liquid distributor. S. Baiesi. 2,085,567; June 29.
Liquid partial oxidation products, Treating. J. H. James. 2,085,499; June 29.
Lipstick demonstrating device. P. Bevis. 2,085,180; June 29.
Loads on railway cars, Device for loading and unloading of wheeled. A. P. R. Porte. 2,085,329; June 29.
Lock for elevators, Slip. R. T. Todd. 2,085,237; June 29.
Locomotive, Electric. G. Cordingley. 2,085,694; June 29.
Loom. H. Sigel. 2,085,455; June 29.
Loom for the manufacture of knot stitch carpets, Automatic. J. Monier. 2,085,507; June 29.
Loom selvage device. G. E. Repass. 2,085,273; June 29.
Lubrication. J. Bijur. 2,084,998; June 29.
Lyopthitic biologically active substances and producing the same. J. Reichel. 2,085,391; June 29.
Machine for decorating articles. F. G. Purinton. 2,085,389; June 29.
Machine for grinding locomotive wheels. V. L. Martin. 2,085,378; June 29.
Machine for making butter rolls. G. H. Holloway. 2,085,157; June 29.
Machine for making flash butt welds. W. H. Spire. 2,085,049; June 29.
Machine for making paper containers, Automatic. L. K. Funkhouser and R. W. Carnahan. 2,084,017; June 29.
Machine for producing helicoid surfaces. J. Ferguson. 2,085,016; June 29.
Machine tool. J. M. Strachan. 2,085,397; June 29.
Magnetic material and manufacture thereof. F. Noll. 2,085,118; June 29.
Marking device. H. E. Leash. 2,085,323; June 29.
Material, Flexible impervious and weatherproof. W. W. Rowe. 2,085,473; June 29.
Materials and apparatus therefor, Production of artificial. E. Kinsella. 2,085,532; June 29.
Materials, Porous and insulating. G. Schneider. 2,085,047; June 29.
Materials, Production of porous. W. I. Taylor. 2,085,052; June 29.
Measuring and sorting apparatus. R. A. Powers. 2,085,671; June 29.
Measuring device. E. A. Bible. 2,085,247; June 29.
Measuring mechanism. H. Lyon. 2,085,264; June 29.
Meat cutting machine. W. P. van Lammeren. 2,085,484; June 29.
Meat product and producing the same. F. H. Louisot and C. J. Muller. 2,085,108; June 29.
Mercury amides and making the same, Aromatic. C. N. Andersen. 2,085,066; June 29.
Mercury compounds, Organic. C. N. Andersen. 2,085,063; June 29.
Mercury cyclics alkaloid compounds and making them, Aromatic. C. N. Andersen. 2,085,064; June 29.
Mercury substituted heterocyclic compound, Aromatic. C. N. Andersen. 2,085,065; June 29.
Mercury switch. K. Hunciker. 2,085,316; June 29.
Messages, Device for automatically transmitting and recording. K. Daniel. 2,085,252; June 29.
Metal content of solutions of rhodium, Quantitatively determining the. H. E. Zschiegner. 2,085,177; June 29.
Metal hydroxides, Production of colloidal. F. Stoewener. 2,085,129; June 29.
Metal mold. K. A. Lindner. 2,085,324; June 29.
Metals, Coating. F. F. Oplinger. 2,085,543; June 29.
Metals from ore pulp, Process of and apparatus for the recovery of noble. W. A. Biesmann. 2,085,711; June 29.
Meter: *See*—
Recording meter.
Micrometer. E. Muller. 2,085,380; June 29.
Microphone, Lapel. R. W. Carlisle. 2,085,184; June 29.
Microphonic switch. M. H. A. Lindsay. 2,085,198; June 29.
Mill: *See*—
Crushing and grinding mill. Rolling mill.
Mirror structure, Rear view. A. S. Borba and G. T. Edwards. 2,085,000; June 29.
Mixer. C. E. Underwood. 2,085,132; June 29.
Mold: *See*—
Metal mold.
Molding machine. F. R. Wallace. 2,085,690; June 29.
Motor: *See*—
Alternating current shunt motor. Internation combustion motor.
Motor and compressor assembly. H. A. Greenwald. 2,085,355; June 29.
Motor control system. P. McShane. 2,085,116; June 29.
Mount, Compass. R. K. Stout. 2,085,050; June 29.
Mount, Machine gun. G. Johnston. 2,085,024; June 29.
Mounting corner, Convertible. A. W. Engel. 2,085,187; June 29.
Mounting for lamp bulbs, Mechanical. A. Abramson. 2,085,207; June 29.
Mounting for lathe centers and the like. A. R. Spicacci. 2,085,456; June 29.
Mower attachment, Lawn. J. J. Miller. 2,085,113; June 29.
Mud-flush, Preparation of. P. van Campen. 2,085,517; June 29.
Musical instrument, Percussion. C. Hultsch. 2,085,363; June 29.
Navigational instrument. E. L. Woodside. 2,085,059; June 29.
Necktie holder. S. F. Kayn. 2,085,715; June 29.

Nest, Automatic trap. H. O. Peters. 2,085,670; June 29.
Nut cracking machine. D. La Ferney. 2,085,262; June 29.
Objective-shutter distance-adjusting and releasing apparatus on photographic cameras. A. Nagel. 2,085,468; June 29.
Oil, Refining mineral. W. J. D. van Dijck. 2,085,518; June 29.
Oils and products prepared therefrom, Preparation of mineral white. P. J. Byrne, Jr. 2,085,693; June 29.
Oils, Method of distilling. F. L. Fast. 2,085,422; June 29.
Oils, Refining mineral. E. R. P. E. Retailliau. 2,085,545; June 29.
Oils, Treating mineral. S. M. Gregory. 2,085,527; June 29.
Oils, Treating mineral. C. G. Verver. 2,085,519; June 29.
Olefines, Polymerization of. M. de Simo and F. B. Hillmer. 2,085,524; June 29.
Opener, Can. F. F. Hosmer. 2,085,219; June 29.
Optical apparatus. J. F. Leventhal. 2,085,594; June 29.
Ore concentrator. R. L. Cline. 2,085,250; June 29.
Ore material, Treating an. T. A. Mitchell. 2,085,114; June 29.
Ornament. R. C. Steeple. 2,085,343; June 29.
Ornament, Dress. H. Sheer. 2,085,548; June 29.
Ortho-aminoazo compound. E. Hoffa and H. Heyna. 2,085,315; June 29.
Oxidation products, Making partial. J. H. James. 2,085,221; June 29.
Oxygen derivatives of hydrocarbons in which aliphatic hydrocarbons predominate, Treatment of. J. H. James. 2,085,500; June 29.
Package, Commodity. J. J. Cavanagh. 2,085,414; June 29.
Package, Dispensing. F. C. Gluck. 2,085,649; June 29.
Package, Shipping. W. C. Rast. 2,085,332; June 29.
Packing ring joint sealing shoe with ring expander. L. M. Westerhouse. 2,085,457; June 29.
Pad: *See*—
Duplicator pad.
Pad for permanent waving, Cellulose hair. E. R. Thomson. 2,085,516; June 29.
Painter, Roller. A. L. Kitselman, II. 2,085,371; June 29.
Paper. H. A. Lubs, J. R. Roberts, and E. R. Laughlin. 2,085,163; June 29.
Paper and making same, Safety. F. L. Simons. 2,085,675; June 29.
Paper, Apparatus for corrugating. J. D. Cramer. 2,085,417; June 29.
Paper box. C. L. Claff. 2,085,491; June 29.
Paper dryness control. S. A. Staege. 2,085,128; June 29.
Paper feeder. M. B. Bushnell. 2,085,144; June 29.
Paper, Wax coated. C. M. Loane and B. H. Shoemaker. 2,085,373; June 29.
Paring machine. R. G. Lucks. 2,085,225; June 29.
Partition, Soundproof. H. W. Maurer. 2,085,436; June 29.
Pattern mechanism for looms and the like. G. Wiget. 2,085,459; June 29.
Pedal control for motor vehicles, Single. E. G. Staude. 2,085,550; June 29.
Pencil, Screw. K. V. Jorgensen. 2,085,663; June 29.
Petroleum emulsions, Breaking. M. De Groote and A. F. Wirtel. 2,085,298–9; June 29.
Phenol, Preparation of. E. Herdieckerhoff. 2,085,429; June 29.
Phonograph. E. C. Guedon. 2,085,582; June 29.
Photoelectric tube. H. C. Rentschler. 2,085,672; June 29.
Photographic apparatus. O. V. Kean. 2,085,432; June 29.
Photographic mounting press. J. P. Engstrom. 2,085,088; June 29.
Pigments, Titanium. R. H. Monk. 2,085,165; June 29.
Pipe arrangement for articulated locomotives, Steam exhaust. L. H. Hance. 2,085,698; June 29.
Pipe beading tool. N. A. Tornblom and E. Bylund. 2,085,710; June 29.
Pipe clamp. V. A. Lang. 2,085,321; June 29.
Piston engine. J. Pavlecka. 2,085,270; June 29.
Piston ring. L. W. Herbst. 2,085,362; June 29.
Planer, Manually portable power-driven rotary. H. C. Preston and A. G. Decker. 2,085,603; June 29.
Planter mechanism. H. G. Erickson. 2,085,354; June 29.
Plaster base or insulating material. E. D. Coddington. 2,085,635; June 29.
Plaster reenforcing fabric. E. D. Coddington. 2,085,004; June 29.
Plastic material, Apparatus for kneading and working. R. W. Bally. 2,084,983; June 29.
Plate condenser. R. W. Hastings. 2,085,191; June 29.
Platform, Portable window. C. J. Burda. 2,085,572; June 29.
Plow. J. E. and V. Cary. 2,085,633; June 29.
Plow bottom and renewable cutting edge therefor. Z. V. Weisel. 2,085,520; June 29.
Plug: *See*—
Thermocouple plug.
Plug or seal for fuse sockets, Dummy. F. B. Thomson. 2,085,399; June 29.
Polishing wheel. K. H. Bowen. 2,085,142; June 29.
Polymers, Stabilizing. M. de Simó and F. B. Hillmer. 2,085,525; June 29.
Portable welding tool. J. R. Lee. 2,085,105; June 29.
Porosity of rock formations, Method and apparatus for determining. J. C. Karcher. 2,085,664; June 29.
Portable incandescent lamp. C. S. McGill. 2,085,683; June 29.
Position indicator. H. W. Williams. 2,085,135; June 29.
Power clutch. E. A. Rockwell. 2,085,607; June 29.
Power driving mechanism. B. Jorgensen. 2,085,158; June 29.
Power plant, Small electric. S. A. Bobe. 2,085,072; June 29.
Preparation for treating scaly bark. E. A. Boele. 2,085,210; June 29.
Press: *See*—
Cylinder sleeve press. Printing press.
Hydraulic press.
Photographic mounting press.
Press. R. W. Glasner. 2,085,648; June 29.
Presser for flat knitting machines, Auxiliary. W. Heinitz. 2,085,656; June 29.
Pressing machine and control. G. W. Johnson and A. F. Hanney. 2,085,466; June 29.
Printing machine, Continuous. F. and Q. H. Shurley. 2,085,126; June 29.
Printing press. C. S. Crafts. 2,085,185; June 29.
Prism. O. K. Kaspereit. 2,085,026; June 29.
Prism, Reflecting. O. K. Kaspereit. 2,085,025; June 29.
Propeller. B. C. Freise. 2,085,307; June 29.
Propeller for vessels. J. A. Kirkpatrick. 2,085,370; June 29.
Protective system for electrical distributing systems. L. F. Hunt. 2,085,364; June 29.
Pulverizer. L. R. Kuhlengel. 2,085,261; June 29.
Pump: *See*—
Screw pump.
Pump. J. S. Abercrombie. 2,085,286; June 29.
Pump for refrigerating apparatus. H. A. Greenwald. 2,085,356; June 29.
Radio apparatus. L. M. Perkins. 2,085,444; June 29.
Radio receiver. P. F. G. Holst. 2,085,430; June 29.
Radio receiver. H. Morrison, W. E. Reichle, and G. N. Thayer. 2,085,117; June 29.
Radio receiver, Multirange. C. J. van Loon and H. Rinia. 2,085,403; June 29.
Radio transmitter. R. C. Shaw. 2,085,125; June 29.
Razor, Safety. M. Glazier. 2,085,423; June 29.
Receivers operating on potential resonance, Tuning. H. E. Hollmann. 2,085,022; June 29.
Receptacle. A. Perreton. 2,085,038; June 29.
Recording and reproduction of impulses. E. W. Kellogg. 2,085,194; June 29.
Recording meter. E. M. Krueger. 2,085,224; June 29.
Reenforced tank. R. S. A. Dougherty. 2,085,085; June 29.
Refrigerating apparatus. F. R. Bichowsky and G. A. Kelley. 2,084,997; June 29.
Refrigerating apparatus. H. F. Smith. 2,085,172; June 29.
Regulator: *See*—
Voltage regulator.
Remote control. A. B. Newell. 2,085,442; June 29.
Remote control apparatus. J. M. Allen. 2,085,624; June 29.
Remote controlling apparatus. A. B. Miller. 2,085,438; June 29.
Respirator. E. W. Bullard. 2,085,249; June 29.
Rest for crankshaft lathes, Steady. W. F. Groene. 2,085,357; June 29.
Ring: *See*—
Piston ring.
Riveting machine. F. A. Howard. 2,085,659; June 29.
Roads, Making or repairing. W. P. Day. 2,085,420; June 29.
Rolling mill, Multihigh. W. Rohn. 2,085,449; June 29.
Roof, Car. G. G. Gilpin. 2,085,311; June 29.
Roof, Car. W. P. Murphy. 2,085,540; June 29.
Roof, Car. E. E. Schlesinger. 2,085,338; June 29.
Roofing and siding construction. T. Storm. 2,085,552; June 29.
Rotary cutter. S. H. Grattan. 2,085,095; June 29.
Rotary engine. M. Murakami. 2,085,505; June 29.
Rotor. W. Biehn. 2,085,411; June 29.
Rotary excavator. H. D. Sandstone. 2,085,336; June 29.
Rounding machine. J. Gouldbourn and H. E. Elliott. 2,085,426; June 29.
Rubber, Trolling. A. Kolstrand. 2,085,320; June 29.
Rule and slidable head, Combination. J. S. Chafee. 2,085,461; June 29.
Safe, Match. B. F. Hamilton. 2,085,314; June 29.
Safety device, Compensating volume control. E. B. Brannan. 2,085,628; June 29.
Safety device for ice cream freezers and the like. A. H. Boileau. 2,085,291; June 29.
Salts. Manufacture of alkyl acid. J. H. James. 2,085,501; June 29.
Saw gummer and filer, Gin. A. P. Wood and J. W. Stoney. 2,085,350; June 29.
Screw locking device. J. Bill. 2,084,985; June 29.
Screw pump. R. Witt. 2,085,622; June 29.
Scrollwork cutter. B. N. Ewing. 2,085,462; June 29.

Sculptured objects, Method and apparatus for reproducing. T. Tomozawa. 2,085,400; June 29.
Seal off tool. A. J. and K. T. Penick. 2,085,119; June 29.
Seat: *See*—
Cushioned seat.
Seat for automobiles. L. Saives. 2,085,475; June 29.
Sedimentation apparatus. R. T. Steindorf. 2,085,514; June 29.
Selectivity control system. W. R. Koch. 2,085,196; June 29.
Sewage collector. E. A. Gemeny. 2,085,150; June 29.
Sewing machine. C. E. Edwards. 2,085,253; June 29.
Sewing machine, Shoe. E. E. Winkley. 2,085,562; June 29.
Sewing machines, Loop-taker and bobbin-case device for. C. A. Kessler. 2,085,699; June 29.
Sheet dispenser. G. A. Shaffer. 2,085,480; June 29.
Sheet dispenser, Interfolded. G. A. Shaffer. 2,085,481; June 29.
Sheet holding means. M. C. Gauthier. 2,085,093; June 29.
Sheet separating device. G. Spiess. 2,085,612; June 29.
Sheets upon a conveyer, Device for separating cardboard or like. E. L. Bishop. 2,085,248; June 29.
Shingle. A. J. Anderson. 2,084,981; June 29.
Shingle. N. P. Harshberger. 2,085,553; June 29.
Shingle, Locking. H. Forbes. 2,085,554; June 29.
Shingle, Pliable. O. J. Kuhn. 2,085,555; June 29.
Shovel, Snow. W. Nebor. 2,085,382; June 29.
Shuttlecock. C. J. W. Lashley, E. E. Natali, and W. A. Woolf. 2,085,717; June 29.
Sight and indicator for traffic controlled projectors, Combination. W. T. Harding. 2,085,020; June 29.
Sign: *See*—
Illuminated sign.
Sign. F. A. Austin. 2,085,246; June 29.
Signal arm, Electrically operated. J. P. Bedford and J. W. Haywood. 2,085,984; June 29.
Signal device for automobiles. C. E. Gillin. 2,085,310; June 29.
Signal, Hotel alarm. G. C. Wagner. 2,085,617; June 29.
Signaling apparatus, Submarine. R. L. Williams. 2,085,056; June 29.
Signaling, System and apparatus for submarine. R. L. Williams. 2,085,055; June 29.
Signaling system, Modulated carrier wave. W. T. Ditcham. 2,085,011; June 29.
Signaling system, Variable terminal impedance. M. G. Crosby. 2,085,418; June 29.
Signaling transmitting method and apparatus. L. M. Potts. 2,085,120; June 29.
Sizing composition. D. A. Rankin. 2,085,170; June 29.
Ski mechanism for aircraft or other vehicles. H. S. Campbell. 2,085,295; June 29.
Skip, Conveying. W. E. Lambert. 2,085,029; June 29.
Slack adjuster, especially for railway car brakes, Automatic. B. H. Browall. 2,084,989; June 29.
Slicing and traying machine. L. W. Luther. 2,085,110; June 29.
Sludge treatment. M. F. Acken. 2,085,178; June 29.
Slug casting machine, Typographical. C. A. Albrecht. 2,085,139; June 29.
Slugs and extruding the same, Method of and apparatus for forming. J. H. Fridén. 2,085,078; June 29.
Smoker's article. H. M. Buffington. 2,085,293; June 29.
Soap for manufacturing lubricating greases. E. N. Klemgard. 2,085,534; June 29.
Sound translating device. H. R. Warnke. 2,085,721; June 29.
Socket, Rope. N. H. Reynolds. 2,085,333; June 29.
Solids present in the discharge material of pipe line dredges, Device for determining the percent of. L. R. Conrath. 2,085,007; June 29.
Solvents by fermentation, Manufacture of. J. F. Loughlin. 2,085,666; June 29.
Sound recording and reproducing machine. L. Neumann. 2,085,383; June 29.
Sound recording and reproducing mechanism. C. W. Larner. 2,085,162; June 29.
Sound translating device. L. G. Bostwick. 2,085,073; June 29.
Sound with the aid of light, Reproduction of. C. O. Browne. 2,085,571; June 29.
Spaceband, Justifying. A. L. Child. 2,085,147; June 29.
Spindle for ring spinning and like machines. W. Prince-Smith. 2,085,611; June 29.
Spotlight. S. Stowick. 2,085,614; June 29.
Stairway, Moving. J. Dunlop. 2,085,076; June 29.
Stall, Animal. E. S. Gandrud. 2,085,308; June 29.
Stand: *See*—
Display stand. Tire buffing stand.
Starting device and safety shut-off for gas-fired industrial furnaces, Automatic. W. J. Kerr. 2,085,195; June 29.
Steam jet exhauster. R. E. Hellmer. 2,085,361; June 29.
Steering mechanism for vehicles. A. F. Hickman. 2,085,021; June 29.
Sterilizing apparatus, Ultraviolet. L. J. Buttolph. 2,085,573; June 29.
Still for renovation of used oils. J. F. Bellinger. 2,085,069; June 29.
Stock feeding mechanism. H. B. Jones. 2,085,590; June 29.
Storage battery. G. F. Peterson. 2,085,229; June 29.
Store display fixture. A. Skler. 2,085,276; June 29.
Strainer and vaporizer, Gas. J. A. Heidbrink. 2,085,155; June 29.
Straw scattering attachment. G. H. Sheard. 2,085,171; June 29.
Strip serving apparatus. T. R. Cautier. 2,085,714; June 29.
Substation, Automatic. M. E. Reagan. 2,085,122; June 29.
Suction cleaner. W. H. Kitto. 2,085,700–2; June 29.
Suit, Sun. M. N. Goodwin. 2,085,425; June 29.
Sulphur compounds, High molecular weight. P. L. Salzberg. 2,085,452; June 29.
Sulphur, Reduction of. C. W. Andrews. 2,085,565; June 29.
Supercharger for internal combustion engines. O. G. Schrom. 2,085,547; June 29.
Support: *See*—
Basket support.
Support for shoes, Arch. J. E. Ludlam. 2,085,374; June 29.
Supporting and retaining means for railroad rails. H. C. Warr. 2,085,558; June 29.
Surgical appliance. C. M. Kendall. 2,085,368; June 29.
Suspensions of finely divided solids into substantially uniform solids fractions of varying average particle size, Resolution of. S. C. Lyons. 2,085,538; June 29.
Sweetening process. A. Belchetz and B. R. Carney. 2,085,523; June 29.
Switch: *See*—
Mercury switch. Microphonic switch.
Switch. M. W. Morris. 2,085,539; June 29.
Switch contact. W. J. Shore. 2,085,707; June 29.
Switching device. F. H. de Jong. 2,085,642; June 29.
Syringe, Dental. A. F. Pieper. 2,085,470; June 29.
Synchronization system. De W. R. Goddard. 2,085,424; June 29.
Table for hearses, Hydraulically operated casket. 2,085,043; June 29.
Tag, Sealable. C. Bender. 2,085,070; June 29.
Tandem wheel assembly. E. H. Schultz. 2,085,341; June 29.
Tank: *See*—
Reenforced tank.
Tank heater. L. H. Burkhart, Jr. 2,085,632; June 29.
Tea free from theine, Preparing. K. H. Baruth. 2,085,489; June 29.
Teething ring and pacifier, Combination. H. M. Sacks. 2,085,704; June 29.
Telemetering apparatus. A. J. Johnston. 2,085,589; June 29.
Telemetric repeating indicator. L. L. E. Chauveau. 2,085,415; June 29.
Teletypewriter. F. E. Thornton. 2,085,175; June 29.
Teletypewriter exchange system. C. V. Collins. 2,085,637; June 29.
Television system. A. V. Bedford. 2,085,409; June 29.
Television system. M. A. Trainer. 2,085,556; June 29.
Temperatures of hot bodies, Method and apparatus for recording the. P. Neubert. 2,085,508; June 29.
Template-follower for torch carriages. J. D. McKiernan. 2,085,112; June 29.
Testing apparatus and method of testing. R. E. Sturm and H. L. Hartzell. 2,085,344; June 29.
Textile process and product. C. Dreyfus and W. Whitehead. 2,085,014; June 29.
Thermocircuit controller. W. J. Phillips and R. Scovel. 2,085,386; June 29.
Thermocouple plug. W. Claypoole. 2,084,992; June 29.
Threader. L. M. Widmark. 2,085,560; June 29.
Threads and preparing them, Artificial. A. Steindorff and G. Balle. 2,085,513; June 29.
Throttle shut-off, Automatic. A. Bloxsom. 2,085,181; June 29.
Ticket issuing machine. H. D. Black and A. A. C. Degen. 2,084,986; June 29.
Ticket issuing machine. W. P. Harris. 2,085,655; June 29.
Ticker-tape display apparatus. P. L. Myer. 2,085,541; June 29.
Tie, Concrete form. A. D. Guidi. 2,085,652; June 29.
Ties and the like, Method for bundling bale. A. G. Delany. 2,085,082; June 29.
Tin with a jamming slip-on cover. R. Günzel. 2,085,358; June 29.
Tire buffing stand. E. M. Godfrey, Jr. 2,085,650; June 29.
Tire chain. D. C. Bambenek and P. Worner. 2,085,288; June 29.
Tire cover. A. P. Fergueson. 2,085,213; June 29.
Tool: *See*—
Machine tool. Seal off tool.
Pipe beading tool. Track gauging tool.
Portable welding tool.
Tool control, Photosensitive relay. H. P. Sparkes. 2,085,127; June 29.
Tool headstock, Machine. F. H. Mussler. 2,085,684; June 29.
Tool slide and dwell mechanism. E. P. Bullard, III. 2,085,692; June 29.
Tool slide, Cross-feeding. F. H. Mussler. 2,085,685; June 29.

Tooth. J. M. Nouel C. 2,085,268; June 29.
Toy machine gun. L. V. Aronson. 2,085,566; June 29.
Toy pistol, Repeating. W. R. Bixler. 2,085,412; June 29.
Toy, Projectile. O. Schrickel. 2,085,610; June 29.
Track gauging tool, Railway. J. Paluch. 2,085,599; June 29.
Tractor. J. N. Gourley. 2,085,312; June 29.
Trailer coupling. C. B. Keys. 2,085,260; June 29.
Train dispatching system for railroads. R. Plank. 2,085,039; June 29.
Transformer case structure. R. L. Brown. 2,085,080; June 29.
Transformer system. H. A. Rose. 2,085,123; June 29.
Transmission. T. M. Mueller. 2,085,668; June 29.
Transmission and control mechanism. W. Pohl. 2,085,272; June 29.
Transmission for trucks. R. Lapsley. 2,085,322; June 29.
Transmission regulation system. F. A. Cowan. 2,085,639; June 29.
Transporting and guiding means. L. Desbordes and P. Bertrand. 2,085,575; June 29.
Tray for jewelry and the like. F. S. Williams. 2,085,460; June 29.
Treadle mechanism. H. E. Elliott. 2,085,427; June 29.
Trigger mechanism. P. Giovannetti. 2,085,258; June 29.
Trimming machine. C. F. Fitzgerald. 2,085,149; June 29.
Trimming machine. G. Rosenberger. 2,085,393; June 29.
Trimming mechanism for sewing machines. F. Eberle. 2,085,643; June 29.
Tube: *See*—
Photoelectric tube.
Truck, Railway. S. F. Beasley. 2,085,289; June 29.
Turbine, Hydraulic. J. D. Scoville. 2,085,233; June 29.
Type casting machine. C. A. Macomic. 2,085,033; June 29.
Typewriter, Type wheel. H. Schönfelder. 2,085,609; June 29.
Typographical composing machine. H. A. Burt. 2,085,143; June 29.
Ultraviolet apparatus. J. A. Bodnar. 2,085,627; June 29.
Urea resin products, Making. C. Ellis. 2,085,492; June 29.
Utensil, Cooking. R. G. Fishel. 2,085,306; June 29.
Utensil, Cooking. L. G. Howlett. 2,085,220; June 29.
Vacuum cleaner. G. E. Lofgren. 2,085,433; June 29.
Valve: *See*—
Automatically controlled valve.
Balanced steam inlet valve.
Gas valve.
Valve. K. B. Kilborn. 2,085,309; June 29.
Valve. W. R. Schuchman and F. W. Ofeldt. 2,085,688; June 29.
Valve construction, Pump. D. M. Hammett. 2,085,360; June 29.
Valve mechanism, Thermostatic. O. W. Anderson and E. E. Forrester. 2,084,982; June 29.
Valve translating system, Electric. O. W. Livingston. 2,085,595; June 29.
Variable resistance. J. B. L. Vollenbroek. 2,085,404; June 29.
Variable speed mechanism for grain drills and the like. W. L. Braley and C. A. Brown. 2,085,182; June 29.
Vehicle construction. L. M. Francis. 2,085,214; June 29.
Vehicle control mechanism. E. Pflüger. 2,085,271; June 29.
Vehicle, Motor. W. R. Griswold. 2,085,019; June 29.
Vehicle, Motor. V. W. Kliesrath. 2,085,591; June 29.
Vehicle suspension. S. L. C. Coleman. 2,085,006; June 29.
Vehicle suspension device. V. A. Johnson. 2,085,662; June 29.
Vehicle wheel. D. J. Campbell. 2,085,294; June 29.
Vehicle wheel. P. J. Freeman. 2,085,647; June 29.
Vending apparatus. A. Gorretta. 2,085,153; June 29.
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Trade-Marks	203—No.	346,494 to No.	346,696,	inclusive.
T. M. Renewals	51			
Labels	48—No.	49,346 to No.	49,393,	inclusive.
Prints	14—No.	16,201 to No.	16,214,	inclusive.
Reissues	8—No.	20,385 to No.	20,392.	Inclusive.
Plant Patents	1—No.	248.		
Patents	876—No.	2,081,896 to No.	2,082,771,	inclusive.
Designs	114—No.	104,714 to No.	104,827,	inclusive.
Total	1,315			

Interference Notices

U. S. PATENT OFFICE, *Washington, D. C., May 7, 1937.*

Frederick Newman, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications for patent of Frederick Newman, 735 North Wabash Ave., Chicago, Ill.; Walter A. Shick, 3522 Henritze Ave., Cleveland, Ohio; Carl W. De Weese, No. 3024 Tuxedo Ave., Parma, Ohio; and Forest H. Clickner, % Kraft-Phenix Cheese Corporation, 400 Rush St., Chicago, Ill., and a notice of the redeclaration thereof sent to said Newman at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Newman, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., May 18, 1937.*

Altman Bros. & Freedman, their assigns or legal representatives, take notice.

An interference having been declared by this Office between the application of E. L. Barr, Sanger, California, for registration of a trade-mark and trade-mark registered February 17, 1925, No. 195,054, to Altman Bros. & Freedman, 743 Yale Avenue, Fresno, California, and it *prima facie* appearing in the record that the applicant herein, E. L. Barr, is not unable to secure service upon said Altman Bros. & Freedman at the said address, notice is hereby given that unless Altman Bros. & Freedman, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. Tex.) Hughes patent, No. 1,379,690, for oil-pump, if valid, *Held* not infringed. *Hughes* v. *Magnolia Petroleum Co.*, 88 F.(2d) 817.

(C. C. A. Mich.) Teetor patent, No. 1,414,796, for engine, *Held* invalid. *Perfect Circle Co.* v. *Hastings Mfg. Co.*, 88 F.(2d) 813.

(D. C. N. J.) Fuerst design patent, No. 96,235, for design for a bottle, *Held* not infringed. *Fruit Industries* v. *Metro Glass Bottle Co.*, 18 F. Supp. 489.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,834,907, R. S. Trott, Engine mounting, decided March 25, 1937, claim 2.

Pat. 1,887,566, W. H. Shiffler and W. P. Anderson, Process for producing aluminum chloride, decided May 14, 1937, claim 1.

Pat. 2,013,865, E. C. Sloan, Fibrous bodied articles and method of producing the same, decided May 12, 1937, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.

Pat. 2,013,867, E. C. Sloan, Art of preserving and protecting records and the like, decided May 12, 1937, claims 1, 2, 3, 4, 5, and 6.

Pat. 2,030,454, Leo Kresser, Humidifier apparatus, decided April 23, 1937, claims 1 and 2.

Disclaimer

Re. 19,079.—*Paul Kollsman*, New York, N. Y. ALTIMETER. Patent dated February 13, 1934. Disclaimer filed April 30, 1937, by the patentee.

Hereby enters this disclaimer solely to claims 8, 9, 20, 21, 22, 32, and 33 and only as to said Reissue Letters Patent No. 19,079 above mentioned.

Condition of Applications Under Examination at Close of Business May 15, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 38,531; Trade-Mark Division, 1,963. Oldest new case, Nov. 16, 1936; oldest amended, Nov 4, 1936.)
(The dates given are 1937 except where † indicates 1936)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 15	Feb. 24	512
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Jan. 2	Jan. 5	748
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 23	Mar. 1	460
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Feb. 5	Feb. 5	561
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons..	Feb. 27	Mar. 1	546
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Jan. 21	Feb. 1	725
5725	7. JARBOE, C. G., Optics; Photography	Feb. 15	Feb. 15	866
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Feb. 4	Feb. 8	618
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Feb. 1	Feb. 1	452
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Feb. 17	Feb. 25	396
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Feb. 20	Feb. 18	447
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	†Dec. 24	Jan. 16	710
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 19	Feb. 18	495
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Feb. 15	Feb. 18	623
4897	15. HENKIN, B. NJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 9	Feb. 9	946
5612	16. SPENCER, C. J., Telegraphy; Telephony	Jan. 23	Jan. 23	685
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 20	Feb. 23	501
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 15	Jan. 22	499
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Jan. 25	Jan. 30	743
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 12	Feb. 16	486
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 15	Feb. 15	637
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 20	Feb. 20	546
7624	23. BUTTNER, W. J. (Act.), Registers (part)	†Dec. 24	†Nov. 4	213
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters, Sewing Machines	Mar. 2	Mar. 3	589
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 15	Feb. 15	476
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Feb. 17	Jan. 15	415
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	†Dec. 30	†Dec. 28	731
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Feb. 19	Feb. 16	315
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Mar. 5	Mar. 10	485
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Jan. 12	Jan. 11	855
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Feb. 24	Feb. 20	462
4086	32. LESH, KARL (Act.), Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Feb. 8	Feb. 8	510
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Feb. 25	Feb. 20	648
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Mar. 5	Mar. 17	275
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Feb. 5	Jan. 12	610
7992	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Feb. 27	Feb. 25	346
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Jan. 2	†Dec. 17	812
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Feb. 23	Feb. 13	544
4872	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	Feb. 18	Feb. 18	475
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 15	Jan. 15	1285
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	Jan. 21	Jan. 19	387
5882	42. CUTTING, H. O., Electric Signaling	Feb. 15	Feb. 10	512
4896B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Feb. 15	Feb. 15	561
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Jan. 27	Jan. 21	649
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Jan. 18	Jan. 21	714
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Feb. 25	Feb. 26	392
6082	47. BARKER, H., Clutches; Brakes	Mar. 3	Mar. 8	441
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Feb. 16	Feb. 17	536
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 18	Feb. 23	480
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Feb. 15	Feb. 15	651
5628	51. BACKUS, C. D., Radiant Energy	Feb. 11	Feb. 11	791
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Feb. 27	Feb. 25	638
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 12	Jan. 12	992
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Mar. 22	Mar. 25	343
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Nov. 16	†Dec. 3	953
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making	Jan. 22	Jan. 22	795
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	†Nov. 23	†Nov. 16	695
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 23	Feb. 24	342
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Feb. 23	Feb. 23	504
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Jan. 5	Jan. 5	550
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Jan. 27	Jan. 27	401
3876	62. PUGH, E. C., Games; Geometrical Instruments	Feb. 20	Feb. 23	457
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Feb. 11	Feb. 15	500
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Feb. 16	Feb. 15	864
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Dec. 18	†Dec. 18	629
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Trade-Marks: Apr. 16	Apr. 28	1610
		Labels and Prints: Apr. 15	Apr. 30	353
2605	Designs, H. H. KALUPY	Apr. 19	May 4	557

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE LYON

No. 3,687. Decided December 7, 1936

F. (2d)

1. INTERFERENCE—ESTOPPEL—FAILURE TO TAKE INTERLOCUTORY APPEAL.

In interference proceedings where it was contended that the provision in Rule 124 for an appeal from an adverse interlocutory decision of the Primary Examiner is regulatory and not mandatory in order to preserve a party's right to an ex parte appeal and that if mandatory, it was in excess of the Commissioner's authority, *Held* "We are unable to agree that rule 124, which has been long in effect, is in excess of the authority conferred upon the Commissioner by R. S. 483, or that failure to comply therewith may not result in a party losing his right to prosecute claims in an ex parte case, such as that before us here."

2. SAME—SAME—SAME.

Where the applicant failed to take an appeal from the interlocutory decision in an interference denying his right to make the claims in issue, *Held* that his right to such claims is res adjudicata with the result that he may not prosecute the claims in an ex parte proceeding.

3. SAME—SAME—AMENDMENT TO RULE 116.

Where L., the senior party failed to move the addition of broad claims under Rule 109, and the interference was dissolved as to him and thereafter an amendment to Rule 116 came into effect with the instruction of the Commissioner that it should not apply to pending interferences which had then progressed beyond the period for filing motions under Rules 109 and 112, *Held* that L. is not in a situation where he can derive any benefit from the amendment to the rule.

APPEAL from the Patent Office. Affirmed.

The firm of Charles W. Hills, Mr. Charles W. Hills, Jr. and *Mr. Charles F. Meroni* for Lyon.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.:*

Eight claims, numbered 12 to 19, inclusive, of appellant's application for patent, Serial No. 584,561, for "Combination Tire Cover and Hub Guard" are involved in this appeal from a decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner rejecting them.

The Board's rejection of all the claims is based primarily upon estoppel resulting from appellant's failure to take certain steps in an interference proceeding in which his application became involved. The claims are divisible into two groups, 12 to 14, inclusive, constituting one group, and claims 15 to 19, inclusive, constituting the other group. Broadly, the rejection of all the claims rests upon estoppel, but the grounds held by the tribunals of the Patent Office to constitute estoppel differ as to the two groups. Upon the record, it seems appropriate here to consider first the group numbered 15 to 19, inclusive, and, in view of our conclusion upon certain questions of law, it is unnecessary to quote illustrative claims of either group.

Appellant's application was filed January 2, 1932. On March 7, 1933, a patent issued to one Charles F. Lambert, being No. 1,900,822, based upon an application, Serial No. 639,809, filed October 27, 1932, for "Spare Wheel and Tire Cover Assembly." On March 29, 1933, appellant, for the purpose of bringing about an interference, moved to add to his application as claims numbered 7 to 11, inclusive, claims 1, 2, 3, 4, and 8 of the Lambert patent. The motion was denied by the Examiner as to all except his proposed claim 10 which corresponded to claim 4 of the patent, the ground of denial being that appellant's disclosure did not support the other proposed claims.

On June 14, 1933, an interference was declared as to patent claim 4, and in addition to appellant and Lambert three others were made parties to the interference, viz., Arthur P. Fergueson, upon an application filed October 14, 1932; Herbert S. Jandus, upon an application filed December 9, 1932, and Thomas J. McCormick et al., upon a joint application filed February 27, 1933.

It will be observed that appellant's application was the senior application of the interference.

From time to time during the prosecution of the interference various motions were made by the different parties thereto. Many of these motions are of no interest here, but, for the purpose of clarifying the issues before us, it is necessary to state certain of them together with the actions thereon.

McCormick et al. and Jandus each made motions that claims 1, 2, 3, 5, 6, 7, and 8 of the Lambert patent be added to the interference. This motion was granted by the Examiner of Interferences as to certain of the parties, but right to contest priority upon all of them was denied Fergueson and appellant, it being held that their application did not "support any of the Lambert claims." Also, Jandus was denied the right to contest priority as to claims 5, 6, and 7 of the Lambert patent. Further, motions to dissolve the interference upon the original count (which was claim 4 of the Lambert patent) were sustained as to appellant and as to Fergueson upon the ground that their applications did not support it, and on January 7, 1935, appellant, in the prosecution of his application ex parte cancelled claims 7, 8, 9, 10, and 11 therefrom, apparently under the belief that broader claims such as appealed claims 12, 13, and 14 would be allowed him, but, after these broader claims had been disallowed, the claims so cancelled were reinserted, as numbers 15, 16, 17, 18, and 19. They correspond respectively to claims 1, 2, 3, 4, and 8 of the Lambert patent.

The decision of the Examiner of Interferences was rendered August 11, 1934, and requests for reconsideration of certain phases thereof, made by only two of the parties, viz., Fergueson and McCormick et al., were considered with decision thereon September 6, 1934. In connection with the latter

decision the time for appeal to the Board was extended to September 17, 1934. There was no award of priority by the Examiner.

Both Fergueson and Jandus took interlocutory appeals to the Board from so much of the decision of the Examiner of Interferences as was adverse to them, but appellant Lyon, although the decision entirely eliminated him from the interference, took no appeal. The brief on behalf of appellant before us in the instant case gives the following explanation of his failure to appeal:

> The applicant Lyon assumed from the fact that these [the Fergueson and Jandus] appeals also involved his application that it was not necessary for him to lodge a separate interlocutory appeal, and therefore did not file an independent appeal with the Board of Appeals, since he was content to rely upon the appeals of the parties Fergueson and Jandus.

The appeals of the parties Fergueson and Jandus are stated to have been pending at the time of the decision of the Board upon appellant's ex parte appeal, and, so far as the record discloses, have not yet been determined.

In passing upon claims 15 to 19, inclusive, of appellant's application as prosecuted ex parte, the Examiner followed the decision of the Examiner of Interferences in the interference proceeding and held that appellant's disclosure did not support the claims, and also referred to the fact that appellant had not appealed from the interference decision adding, in his statement, "He is, therefore, now taking an appeal ex parte on a matter which apparently should have been appealed inter partes." The Board rested its decision as to this group of claims primarily upon the failure of appellant to take interlocutory appeal in the interference proceeding, but also seemingly found "no error" in the holding that appellant had no right to make the claims, although stating that such question "is not strictly before us."

The rejection of claims 15 to 19, inclusive, therefore, rests primarily upon the ground that the decision of the Examiner of Interferences (following the earlier decision of the Primary Examiner) holding that appellant's disclosure did not support them became res adjudicata (although the tribunals of the Patent Office did not use that term) upon appellant's failure to take appeal under rule 124 of the Patent Office, and that, as a consequence of such failure, appellant is estopped from prosecuting the claims ex parte in the instant proceeding.

Rule 124 of the Patent Office, among other things, provides:

> 124. Where, on motion for dissolution, the Primary Examiner renders an adverse decision upon the merits of a party's case, as when he holds that the issue is not patentable or that a party has no right to make a claim, he shall fix a limit of appeal not less than twenty days from the date of his decision. Appeal lies to the Board of Appeals and will be heard inter partes. If the appeal be not taken within the time fixed, it will not be entertained except by permission of the Commissioner.

Following this rule, the Examiner of Interferences fixed the time limit of appeal as August 31, 1934, subsequently, as has been recited, extending such time to September 17th. The appeals on behalf of the parties Jandus and Fergueson were filed August 31, 1934, while the requests for reconsideration by Fergueson and McCormick et al., above alluded to, were still pending, and it is noted that both Jandus and Fergueson seem to have been represented by the same attorney who represented appellant in the Patent Office. There is no explanation of this in the record, but it is assumed that no actual conflict of interest existed between the several parties named which rendered it improper for the same attorney to appear on behalf of each, and the fact is recited merely to show that appellant is particularly chargeable with actual notice of the time limit for appeal.

So far as the record discloses, appellant, after failing to appeal within the time limit fixed, never thereafter sought permission of the Commissioner to appeal, as apparently he might have done under the rule.

[1] It is argued on behalf of appellant, in substance, that rule 124, supra, is a regulatory measure, citing *Newcomb* v. *Lemp*, 1904 C. D. 412; that it does not make it mandatory that an applicant take interlocutory appeal inter partes if he is to preserve his statutory right to an ex parte appeal to this court; that the authority for the rule is found in R. S. §483 (35 U. S. C. A. 6), and that proceedings under it are merely interlocutory, citing *United States ex rel. Lowry and Planters Compress Company* v. *Allen, Commissioner of Patents*, 203 U. S. 476; 1906 C. D. 765. Further, it is urged that if the rule be construed to be mandatory the Commissioner exceeded his authority in adopting same "since it contravenes Lyon's statutory rights as provided for in Sections 4909 and 4911." It is also pointed out that under the authorities this court will not entertain an appeal from a decision by the Board upon an interlocutory question when there has been no adjudication of priority.

We are unable to agree that rule 124, which has been long in effect, is in excess of the authority conferred upon the Commissioner by R. S. §483, or that failure to comply therewith may not result in a party losing his right to prosecute claims in an ex parte case, such as that before us here.

The immediate effect of granting appellant claims 15 to 19, inclusive, necessarily would be to bring about a redeclaration of an interference upon claims, which, already have been adjudged in a regular interference proceeding, not to be supported by appellant's disclosure. It is not seen where any good or proper purpose could be accomplished thereby, nor is it seen where appellant has lost any rights unless he has lost something by his own negligence. If appellant felt that he was deprived of rights by the decision of the Examiner of Interferences he should have protected himself by taking an interlocutory appeal for himself. It is not seen how the interlocutory appeals of the other parties can be held to enure to his benefit, since all contentions on his part were decided against him, and the appealing parties are no longer concerned therewith.

[2] Under the facts recited, we are of opinion that there was no error in the holding to the effect that, by reason of appellant's failure to take interlocutory appeal from the decision which eliminated him from the interference, the finding of the Examiner of Interferences that appellant had no right to make claims 15 to 19, inclusive, became res adjudicata, with the result that appellant may not prosecute the claims in this ex parte proceeding.

In view of our holding upon this phase of the controversy, it is unnecessary for us to consider whether appellant's disclosure supports claims 15 to 19, inclusive.

We turn now to the group comprehended in appealed claims, numbered, respectively 12, 13, and 14.

It does not clearly appear from the record just when these claims were inserted into appellant's application, but it does appear that claim 12 was contained therein prior to and during the time appellant was involved in the interference. In the final decision of the Examiner, it was said:

> Claims 12, 13, and 14 appear to be drawn to allowable subject matter and stand finally rejected solely on the ground of estoppel.

In the Examiner's statement following the appeal to the Board it was said:

> Claims 12, 13, and 14 of this application which are broad enough to dominate the issue and also all of the subject matter of the parties involved in interference No. 66,239 stand finally rejected on the ground of estoppel.

In its decision the Board said:

> As to the broader claims 12, 13, and 14, it is the Examiner's view that appellant should have moved to include these claims in the interference proceeding by motion under rule 109. These claims are readable upon the other parties' disclosures, if they are readable upon appellant's.
>
> Appellant was the senior party in said interference proceeding and he therefore contends that it was not incumbent upon him to propose the additional counts, one at least of which was standing in his application at the time. It is further urged that because of the fact that one of the parties was a patentee, it would not be possible to have additional counts incorporated in the interference and that therefore it is not incumbent upon applicant to propose such counts. This contention overlooks the fact that other parties were not patentees and that such other parties might be dominated by the broader claims. These parties were not under order to show cause and concelvably might have been able to prove priority on the claims in question.

Before us appellant has reiterated with emphasis the various arguments which, we deduce from the record, were made before the tribunals of the Patent Office, and by them fully considered.

It is said here, in substance, that as early as November 28, 1932, appellant, understanding that Lambert's application was pending, requested declaration of an interference between it and his application, but that the Examiner, instead of taking steps toward declaring such interference, suggested to Lambert how his application could be amended to render certain claims allowable, and that upon the claims being so amended the Lambert patent issued. The record sustains the contention as to a suggestion having been made to Lambert that certain limitations inserted in certain of his claims might render them patentable, but we are not cited to any violation of Patent Office practice in regard to this phase of the controversy, and nothing is disclosed by the record which indicates that appellant is entitled to relief growing out of this circumstance.

The real gravamen of the contention on behalf of appellant as to this group of claims is that, as senior party, it was not incumbent upon him, under the particular facts here appearing, to bring a motion under rule 109 of the Patent Office to have the subject matter of the claims carried into the interference, and much attention is given to an amendment to the rules which added to rule 116 (providing that parties to an interference will be presumed to have made their inventions in the chronological order in which their applications were filed) a paragraph reading:

> The termination of the interference by dissolution under rule 122 without an award of priority shall not disturb this presumption, and a party enjoying the status of a senior party with respect to any subject-matter of his application shall not be deprived of any claim to such subject-matter solely on the ground that such claim was not added to the interference by amendment under rule 109.

The foregoing amending paragraph was dated July 24, 1934, and became effective as of August 21, 1934, which was subsequent to the decision adverse to the appellant by the Examiner of Interferences, although prior to the date fixed as the limit of appeal from that decision. Accompanying the amendment was an instruction from the Commissioner of Patents, reading:

> The amended rule will not apply to applications involved in interferences which have been finally decided prior to August 21, 1934, and will not apply to pending interferences which on that date have progressed beyond the period for filing motions under rules 109 and 122.

A further contention on behalf of appellant is, in substance, that since Interference No. 66,239 was declared upon the claim of Lambert's patent, appellant could not have introduced claims 12, 13, and 14 as between Lambert and himself; that Lambert made no application for a reissue of his patent to include the subject matter of such claims; that the other parties, who were junior to appellant, "made no effort to ask" for an additional interference based upon such claims; that the failure of Lambert and the other parties so to act constituted conduct amounting to a concession "that in any event they could not be regarded as the first inventors of that subject matter"; that appellant had "served notice on the other parties to the interference that he was endeavoring to obtain the allowance of broader claims in his application, since he had presented claim 12 in his application prior to the declaration of the interference"; that under such circumstances he, as senior party, is not estopped, after the interference, to insist on broad claims, and that under the facts here appearing the proper tribunal of the Patent Office should have proceeded under rule 96 and declared a second interference "to get the issues between the proper parties."

Authorities cited in connection with the foregoing contentions are *Ex parte Gustav Johnson* (decision on second request for rehearing), 20 U. S. Pat. Q. 284; *In re Chase*, 21 C. C. P. A. (Patents) 1183, 71 F.(2d) 178, 447 O. G. 997; *International Cellucotton Products Company* v. *Coe*, — App. D. C. — (decided August 31, 1936), 85 F.(2d) 869, 30 U. S. Pat. Q. 366.

Appellant contends that an application of the doctrine of estoppel would be an extension of that doctrine beyond former decisions, and cites statements of this court, indicating our indisposition to

extend the doctrine, made in the cases of *Rauen* v. *Aiken*, 22 C. C. P. A. (Patents) 903, 74 F.(2d) 956, 456 O. G. 3, and in *In re Long*, 23 C. C. P. A. (Patents) 1078, 83 F.(2d) 458, 470 O. G. 939.

It is proper to say that, following the Board's decision in the instant case, appellant petitioned the Commissioner to exercise his supervisory authority to the extent of ordering the Primary Examiner to set up an interference based upon claims 12, 13, and 14. The petition was denied for substantially the same reasons advanced by the Examiner and the Board in applying the doctrine of estoppel in the ex parte proceeding.

Appellant's several contentions and the authorities alleged to support them have been carefully examined and considered.

[3] We do not feel that appellant is in a situation where he can derive any benefit from the amendment to rule 116, supra, in view of the official instruction of the Commissioner accompanying same which, to all intents and purposes, was a part thereof. We think it must be held, as was held by the tribunals of the Patent Office, in effect, that on August 21, 1934, the effective date of the amendment, interference No. 66,239 had progressed beyond the period when motions might be filed under rules 109 and 122.

In the petition to the Commissioner above alluded to, it was insisted that interference No. 66,239 was still in the motion stage because of the addition of a new party thereto, with a consequent redeclaration of the interference. The redeclaration is dated November 10, 1934. It is true that appellant was mentioned as a party in this redeclaration, but this must be regarded as a mere formality in stating the style of the case, since he had, in fact, been eliminated by the decision of the Examiner of Interferences on August 11, 1934, no appeal having been taken by him therefrom. In the redeclaration, the Examiner stated: "The issue of the interference remains the same," and the Commissioner, in his decision upon the petition, pointed out that the "second interference involves only one of the other parties to the original interference."

Since appellant is not in position to derive any benefit from amended rule 116, the only remaining question is whether the particular facts of this case so distinguish it, in principle, from the facts in other cases where this and other courts have sustained application of the doctrine of estoppel, as to render improper the application of that doctrine here.

We are unable to find that such is the situation. It is not claimed by appellant that there is any error in the holding of the Board that claims 12, 13, and 14 "are readable upon the other parties' disclosures, if they are readable upon appellant's", and the other parties, as the Board stated, were not under order to show cause why judgment of record upon the question of priority should not be entered against them. For aught that the record discloses they may be prior in fact.

The general rule respecting estoppel because of failure to take action under rule 109, is stated in the case of *In re Brashares*, 22 C. C. P. A. (Patents) 873, 74 F.(2d) 751, 455 O. G. 264, and particularly in the cases therein cited. Also it is stated in the case of *In re Alexanderson*, 21 C. C. P. A. (Patents) 983, 69 F.(2d) 541, 446 O. G. 501, where we held that Alexanderson, although he had been senior party in an interference, was estopped in an ex parte prosecution because he had failed during the interference, to proceed under the rule. An examination of the cases where this and other courts have refused to sustain application of the doctrine of estoppel because of failure to act under the rule will disclose that in each of those cases the facts were different from those here before us.

There was no extension of the doctrine of estoppel in the instant case beyond the point to which heretofore the courts have gone, and we find nothing in the facts of this case which renders application of the doctrine improper here.

The decision of the Board of Appeals is affirmed.

Affirmed.

ON PETITION FOR REHEARING

PER CURIAM.

Following our decision in this case rendered December 7, 1936, 24 C. C. P. A. (Patents) —, 86 F.(2d) 824, appellant filed petition for reconsideration and rehearing in which, among other things, it was alleged:

> 1. The decision overlooks the fact that during the pendency of the motion period in Interference No. 66,239, the applicant Lyon did file a timely motion to amend * * * requesting a new interference based on two claims, 14 and 15, common to the structures of the applicants in the interference, which motion was granted by the Examiner of Interferences in his decision of August 11, 1934, * * * as a result of which new Interference No. 70,545 * * * was declared between the parties Lyon and Jandus * * * and the fact that the Examiner erred in rejecting claims 12, 13, and 14 common to the parties of this new interference, instead of suspending further action on these claims pending the outcome of Interference No. 70,545 * * *.

Each of the other five points as to claims 12, 13, and 14 (see our original opinion referred to, supra), makes reference to the new Interference No. 70,545.

While our original decision made no reference to Interference No. 70,545, the fact that it was declared and that the record so disclosed was not overlooked by the court. It was not discussed by us for the very simple reason that neither in the reasons of appeal nor in the original briefs and oral argument was there any indication that it had any bearing upon the issues of this ex parte proceeding. It is not mentioned in the reasons of appeal and there is only passing reference to it in the original brief where it is said that in a supplement to a petition to the Commissioner to exercise his supervisory authority (alluded to in our original decision) it was pointed out that "the decision of the Patent Office in respect to claims 12, 13 and 14 would preclude him [applicant] from obtaining an award of priority as to all common subject matter in the event he prevailed in *Ryerson* v. *Jandus* v. *Lyon*, Interference No. 70,545, involving claims 14 and 15 of a *copending* application of the applicant and declared as a result of Lyon's motion in Interference No. 66,239 [Italics ours]." Further it is said that the Commissioner denied all of the contentions of appellant, including "that relating to the applicant's rights in the copending interference, No. 70,545."

That was all, and the court would have been fully justified in summarily refusing the petition which sought to bring into the case matters not originally presented, because apparently overlooked not by the court but by counsel.

However, the case being somewhat complicated and desiring to feel sure that no legal right of appellant had been disregarded, oral argument was permitted on the petition.

Briefly, the pertinent facts are that on October 30, 1933, which was during the motion period of Interference No. 66,239 (involving Serial No. 584,561, here at issue) out of which the controversy before us grew, Lyon moved to "amend the interference issue to include a new interference involving George Albert Lyon application Serial No. 584,560 filed January 2nd, 1932," the same date as that on which the here involved application was filed. Two counts were proposed for the new interference, being claims 14 and 15 of serial application 584,560. There was no proposal of the counts 12, 13, and 14 here at issue for this new interference. The Examiner of Interferences in his decision in Interference No. 66,239, on August 11, 1934, took cognizance of the motion for the new interference, saying:

> "These proposed counts are limited to the idea of clamping the front drum of the cover between the hub cap and the hub. This feature would seem to involve invention over the claims in the Lambert patent, and hence the motion may be granted."

Thereafter an Acting Examiner on March 29, 1935, formally declared the Interference No. 70,545, and, so far as the record discloses, the same is still pending. Appellant claims that the subject matter of claims 12, 13, and 14 here involved are disclosed in both his applications filed January 2, 1932, and that he should have the right to make them in Serial No. 548,560, in the event he prevails upon the question of priority in Interference No. 70,545, but seemingly anticipates that they may be denied him upon the ground of estoppel, the ground upon which they stand denied in this ex parte proceeding.

Had appellant proposed claims 13, 14, and 15 as counts to either interference during the motion period on Interference No. 66,239, a different situation, probably requiring a different conclusion, would be at hand, but since this was not done Interference No. 70,545 seems to be entirely irrelevant to this case.

The other material points of the petition for reconsideration and rehearing were fully discussed and determined by us in our original decision.

The petition for reconsideration and rehearing is denied.

Patent Suits

[Notice under sec. 4921, R. S., as amended Feb. 18, 1922]

1,066,255, 1,171,096, Cubbison & McFarland, Shock absorber; 1,367,866, P. J. Cubbison, same, filed June 30, 1936, D. C., S. D. Ohio (Dayton), Doc. E 416, *P. J. Cubbison* v. *The Delco Products Corp. et al.*

1,141,402, R. D. Mershon, Electrolytic apparatus employing filmed electrodes; 1,784,674, same, Film formation and operation of electrolytic condenser and other apparatus, appeal filed Mar. 17, 1937, C. C. A., 1st Cir., Doc. 3233, *R. D. Mershon et al.* v. *Sprague Specialties Co.*

1,171,096. (See 1,066,255.)

1,273,609, R. Hitchcock, Folding machine; 1,285,705, same, Paper folding machine; 1,390,213, A. Olson, same; 1,543,354, F. T. Zacher, Folding machine; 1,709,282, E. D. Rader, same; 1,771,964, J. Mentges, Paper folding machine, D. C., S. D. Ohio (Dayton), Doc. E 378, *Dexter Folder Co.* v. *The Liberty Folder Co. et al.* Consent decree dismissing bill July 18, 1936.

1,285,705. (See 1,273,609.)

1,359,124, A. M. Springer, Ironing board; 1,927,685, 1,895,164, J. E. Kalgren, Ironing table, D. C., N. D. Ill., E. Div., Doc. 13552, *Rid-Jid Products, Inc., et al.* v. *Wieboldt Stores.* Dismissed for want of prosecution Dec. 11, 1936.

1,365,604, Rittman & Dutton, Treatment of hydrocarbon; 1,632,011, F. Tinker, Production of petrol; 1,740,691, C. J. Greenstreet, Apparatus and process of treating hydrocarbon oils; 1,886,093, same, Process for treating hydrocarbon oils, D. C., N. D. Tex. (Abilene), Doc. E 830, *Sinclair Refining Co.* v. *Cosden Oil Corp.* Dismissed for want of prosecution Mar. 2, 1937.

1,367,866. (See 1,066,255.) 1,390,213. (See 1,273,609.)

1,429,207. (See 1,987,525.) 1,445,780. (See 1,987,525.)

1,512,888, L. Haft, Lighting set; 1,611,836, E. R. Kulka, Christmas tree lighting outfit, D. C., S. D. N. Y., Doc. E 79/81, *Noma Electric Corp.* v. *L. Pollack Corp.* Consent decree for plaintiff (notice Mar. 23, 1937.)

1,532,886. (See 1,752,976.)

1,536,881, C. Ellis, Heat reactive plastic; 1,536,882, same, Molding composition; 1,846,853, same, Synthetic resin and process of making same; Re. 18,370 (of 1,685,355), same, Urea resin product and process of making same, D. C. Dela., Doc. E 1025, *Ellis-Foster Co. et al.* v. *Synthetic Plastics Co., Inc.* Consent decree dismissing bill Feb. 17, 1937.

1,536,882. (See 1,536,881.)

1,543,140, J. T. Whitehouse, Jail door locking mechanism; 1,908,234, H. D. Garber, Opposed door jail construction, filed Jan. 21, 1937, D. C., N. D. Ill., E. Div., Doc. 15515, *Van Dorn Iron Works Co.* v. *Great Lakes Construction Co. et al.*

1,543,354. (See 1,273,609.) 1,544,141. (See Re. 16,288.)

1,567,227, H. S. Becker, Headlight for toy electric locomotive; 1,974,331, 1,975,418, 1,974,330, E. L. Groff, Toy train; 2,002,256, E. D. Boisselier, Motor mounting for toy locomotives, D. C., N. D. Ill., E. Div., Doc. 14866, *American Flyer Mfg. Co.* v. *Hafner Mfg. Co.* Bill and counterclaim dismissed Feb. 1, 1937.

1,594,334. (See 1,847,817.) 1,594,335. (See 1,847,817.)

1,611,836. (See 1,512,888.) 1,632,011. (See 1,365,604.)

1,666,588, M. Andis, Electric motor; 1,671,265, same, Electrically driven hair clipper, filed Mar. 24, 1937, D. C., E. D. Wis. (Milwaukee), Doc. 5072, *M. Andis* v. *Gimbel Bros., Inc., et al.*

1,668,675, E. C. Fey, Gallery rifle; 1,743,201, same, Apparatus for indicating the accuracy of aim; 1,743,337, same, Rifle range, filed Jan. 11, 1937, D. C., N. D. Ill., E. Div., Doc. 15513, *E. C. Fey* v. *J. P. Seeburg Corp.*

1,671,265. (See 1,666,588.) 1,680,818. (See 1,704,173.)

1,685,355. (See 1,536,881.)

1,704,173, J. W. Chesney, Process for treating foods; 1,723,603, same, Process of sterilization and food activation; 1,680,818, H. Steenbock, Antirachitic produce and process (suit to enjoin defendant from issuing threats based on Patent 1,680,818), filed Aug. 2, 1935, D. C., N. D. Ill., E. Div., Doc. 14737, *New Discoveries, Inc.*, v. *Wisconsin Alumni Research Foundation.*

1,709,282. (See 1,273,609.)

1,719,805, 1,796,649, 1,797,912, L. Hammond, Alternating current clock; 1,864,108, Whitehead & Porter, Synchronous motor, D. C. Del., Doc. E 1127, *Middlebury Electric Clock Corp.* v. *The Hammond Clock Co.* Dismissed without prejudice Mar. 18, 1937.

1,723,603. (See 1,704,173.)

1,727,883, E. S. Humphreys, X-ray apparatus, D. C., N. D. Ill., E. Div., Doc. 13940; 1,877,242, same, Arc lamp, included by counterclaim Aug. 16, 1934, *Selected Products Corp.* v. *E. S. Humphreys (Humphreys Roentgen Co.).* Decree dismissing bill and finding that Humphreys X-Ray Corp. is owner of patents and applications subject to lien May 2, 1935. Decree affirmed Jan. 9, 1937.

1,740,691. (See 1,365,604.) 1,743,201. (See 1,668,675.)

1,743,337. (See 1,668,675.)

1,745,162, 1,795,023, J. Gordon, Ironing machine, filed Feb. 25, 1937, D. C., N. D. Ill., E. Div., Doc. 15546, *J. Gordon* v. *Westtown Electric & Appliance Co.*

1,746,852, L. X. Champeau, Device for artificial illumination; T. M. 281,683, Holophane Co., Inc., Metal and combination glass and metal globes and reflectors, filed Jan. 15, 1937, D. C., N. D. Ill., E. Div., Doc. 15518, *Kirby, Inc., et al.* v. *A. M. Knauber, Jr. (Electric Equipment Co.).*

1,748,743. (See Re. 16,288.)

1,752,976, I. Cowles, Flexible conduit assembly and method of making same; 1,532,886, same, Hose coupling; 1,791,121, same, Compression pipe coupling, filed Mar. 15, 1937, D. C., N. D. Ill., E. Div., Doc. 15564, *J. L. Ward et al.* v. *I. Cowles et al.*

1,756,919. (See 1,792,388.) 1,771,964. (See 1,273,609.)

1,780,142. (See 1,792,388.)

1,783,049, E. D. Milks, Necktie clip; 1,817,662, J. F. Allison, Collar holder, D. C., N. D. Ill., E. Div., Doc. 13677, *Freeman-Daughaday Co.* v. *S. Buchsbaum & Co.* Dismissed without prejudice Jan. 13, 1937.

1,784,674. (See 1,141,402.) 1,791,121. (See 1,752,976.)

1,792,388, H. J. Neumiller, Method of making special containers; 1,756,919, Becker & Munson, Special container; 1,780,142, same, Method of packaging articles, D. C., N. D. Ill., E. Div., Doc. 13148, *Du Pont Celophane Co., Inc., et al.* v. *Vis-O-Tube Co.* Patents held invalid, bill dismissed May 14, 1936.

1,795,023. (See 1,745,162.) 1,796,649. (See 1,719,805.)

1,797,912. (See 1,719,805.) 1,817,662. (See 1,783,049.)

1,821,902, W. A. Baum, Manometer; Des. 93,084, same, Instrument case, D. C., N. D. Ill., E. Div., Doc. 15490, *W. A. Baum Co., Inc.*, v. *J. Shapiro (Allied Medical Equipment Co.).* Consent decree holding claims 1 to 7, inclusive, 10, 17 to 24, inclusive, and 26 to 31, inclusive, of 1,821,902, and the single claim of Des. 93,084 infringed, injunction Jan. 27, 1937.

1,846,853. (See 1,536,881.)

1,847,817, D. Cole, Lubricating system; 1,594,334, E. J. Sweetland, Method of preventing wear of the moving parts of an automotive internal combustion engine; 1,594,335, same, Means for filtering oil in the lubricating system of an internal combustion engine, D. C. Del., Doc. E 957, *Dooley Improvements, Inc.*, v. *Motor Improvements, Inc.* Bill dismissed as to E. J. Sweetland Nov. 21, 1932. Patent 1,847,817 held invalid, bill and counterclaim dismissed Feb. 24, 1937.

1,864,108. (See 1,719,805.) 1,877,242. (See 1,727,883.)

1,886,093. (See 1,365,604.) 1,895,164. (See 1,359,124.)

1,908,234. (See 1,543,140.)

1,927,450, G. T. Balfe, Gasket; 1,927,791, same, Method of perforating sheet metal, C. C. A., 2d Cir., Doc. ——, *Detroit Gasket & Mfg. Co.* v. *The Fitzgerald Mfg. Co.* Decree modified (notice Apr. 5, 1937).

1,927,685. (See 1,359,124.) 1,927,791. (See 1,927,450.)

1,974,330. (See 1,567,227.) 1,974,331. (See 1,567,227.)

1,975,418. (See 1,567,227.)

1,987,525, M. P. Chaplin, Fragile article support; 1,429,207, Koppelman & Cooper, Packing for fragile articles; 1,445,780, Mann & Koppelman, Packing for eggs and other fragile articles, D. C. Del., Doc. E 1104, *Keyes Fibre Co.* v. *Patent Royalties Corp. et al.* Dismissed for want of prosecution Mar. 9, 1937.

2,002,256. (See 1,567,227.)

Re. 16,288 (of 1,544,141), R. R. Eddins, Slip cover for automobiles; 1,748,743, H. G. Wedler, Cover for seat back, filed Mar. 30, 1937, D. C., S. D. N. Y., Doc. E 85/41, *Evr-Klean Seat Pad Co.* v. *Bloomingdale Bros., Inc.*

Re. 18,370. (See 1,536,881.)

Des. 93,084. (See 1,821,902.)

T. M. 281,683. (See 1,746,852.)

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 1, 1937

[VOL. 479. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 378,703. NU WEST FUR DYEING CORP., Brooklyn, N. Y. Filed May 21, 1936.



The words "Seal Dyed Coney" are disclaimed apart from the mark.

For Raw, Treated, and Dyed Fur Skins and Parts Thereof.

Claims use since Feb. 1, 1936.

Ser. No. 383,425. CARGILL ELEVATORS INCORPORATED, Minneapolis, Minn. Filed Sept. 19, 1936.

HIAWATHA PARK

For Grass and Lawn Seeds, Farm Seeds, and Seed Grains.

Claims use since Mar. 1, 1926.

Ser. No. 387,300. VOLCANIC PRODUCTS CORPORATION, Chicago, Ill. Filed Dec. 30, 1936.



The words "Made" and "Products" are disclaimed apart from the mark.

For Raw Volcanic Material and Volcanic Scoria.

Claims use since Apr. 27, 1935.

Ser. No. 387,880. THE SOCIETÀ ANONIMA SNIA-VISCOSA, SOCIETÀ NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA, Turin, Italy. Filed Jan. 16, 1937.



The word "Tessile" is disclaimed apart from the mark.

For Artificial Textile Fibres, in Staples, Having High Tensile Strength.

Claims use since July 21, 1936.

Ser. No. 390,800. THE NEVILLE COMPANY, Neville Island, Pa. Filed Apr. 1, 1937.

PARADENE

For Prepared Floor Tile Base Material Consisting of Resins Derived From Crude Heavy Solvent Naphtha and Materials of Plastic Nature Analogous to Asphalt.
Claims use since Jan. 1, 1934.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 381,233. MIDWAY CHEMICAL CO., Chicago, Ill., assignor to Wizard, Inc., a corporation of Delaware. Filed July 20, 1936.

RADIANT

For Stove Polish, Shoe Cleaner and Polish, Wall Paper Cleaner, Rug and Carpet Cleaner, Dry Cleaning Fluid and Metal Cleaners and Polishes.
Claims use to stove polish since May 12, 1930; to shoe cleaner and polish since April 28, 1931; to wall paper cleaner since September 29, 1928; and to rug and carpet cleaner since January 31, 1935; to dry cleaning fluid since February 10, 1927 and to metal cleaners and polishes since June 30, 1925.

Ser. No. 387,092. JACOB H. SIMON, doing business as Clor-O-Clean Chemical Company, Chicago, Ill. Filed Dec. 23, 1936.

PURE-⊕-CLORE

The word "Pure" is disclaimed apart from the mark.
For General Household Cleaning Preparation in the Nature of a Disinfectant Deodorant and Cleanser.
Claims use since June 1, 1936.

Ser. No. 387,408. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed Jan. 2, 1937.

PENETROL

For Cleaning Preparations for General Industrial and Household Use.
Claims use since Apr. 3, 1934.

Ser. No. 387,409. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed Jan. 2, 1937.

VITOL

For Cleaning Preparations Having Incidental Polishing Properties.
Claims use since June 9, 1932.

Ser. No. 390,236. PARAGON OIL COMPANY, INC., Brooklyn, N. Y. Filed Mar. 18, 1937.

Parakleen

For Solvent Products in the Nature of a Dry Cleaning Preparation for Cleaning Clothes and the Like.
Claims use since Apr. 24, 1934.

CLASS 5

Adhesives

Ser. No. 390,949. CATALIN CORPORATION OF AMERICA, Fords, N. J. Filed Apr. 5, 1937.

CATABOND

For Liquid Preparation of Phenolic Resin Used as an Adhesive, Particularly as a Wood Glue and for Lamination.
Claims use since Feb. 3, 1937.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 379,830. JEAN COLL, New York, N. Y. Filed June 17, 1936.

LUSTROSIZE

For Sizing and Stiffening Liquid for Textiles and Straw Materials.
Claims use since Jan. 15, 1932.

Ser. No. 380,156. SIDNEY PICKER, doing business as Natalie Louise Certified Cosmetics, New York, N. Y. Filed June 24, 1936.

Natalie Louise

For Skin Cleansing Milk, Sunburn Lotion, Shampoo, Muscle Oil, Eye Lotion, Nail Polish Remover, Liquefying Cleansing Cream, Nail Polish, Hand Lotion, Cold Cream, Hand Cream, Wave Lotion, Olive Oil Cream, Brilliantine, Cuticle Remover, Acne Cream, Cuticle Oil, Vanishing Cream, Whitening Cream, Facial Tonic, Lipstick, Eye Shadow, Cream Rouge, Eyebrow Pencil, Lip Pomade.
Claims use since August, 1934.

Ser. No. 387,210. BEBE RYBERG, San Francisco, Calif. Filed Dec. 28, 1936.

37

For Hair Tonic.
Claims use since Jan. 6, 1936.

Ser. No. 389,744. NARCISSUS FALTZ, doing business as N. F. T. & Co., Norfolk, Va. Filed Mar. 6, 1937.

N. F.

For Preparation for Use on the Human Hair to Facilitate Straightening the Strands.
Claims use since Mar. 15, 1932.

Ser. No. 389,841. HARRY E. MCMULLIN, New York, N. Y. Filed Mar. 9, 1937.

MOR-AID

For Analgesic Balm, Headache and Neuralgia Preparations, Antiseptic Poultices, Antiseptic Liquid, Catarrhal Snuff, Ant-Paste, Aromatic Cascara, Arnica Salve, Infant Cough Preparations, Bay Rum, Beef, Iron and Wine, Saline Preparations for Bladder and Kidney Troubles, Alkaline Antiseptic Solutions for the Relief of Nasal Catarrh and Sore Throat, Tablets for the Breath, Camphor-Menthol for Relieving Inflammatory Congestion, Camphor-Ice Preparations, Liniments Containing Menthol and Camphor for Muscular Pains and Aches, Carbolic Salve, Celery and Viburnum, Charcoal Tablets, Malarial Tonics, Chlorate-of-Potash Tablets, Cod-Liver Oil and Emulsions for Strengthening Purposes, Cold and Grippe Tablets, Colic and Diarrhea Preparations, Corn-Patches and Preparations for Corns, Cough Preparations and Croup Preparations, Dyspepsia-Tablets, Neutralizers for the Odors of Perspiration, Digestive Tablets, Effervescent Bromo, Effervescent Magnesium Citrate, Effervescent Soda Phosphate, Eye Waters and Salves, Antiseptic Preparations for Eczema, Fig Syrup and Cascara, Fig Syrup and Senna, Foot Salves, Foot Powders, Preparations for Constipation, Glycerin Suppositories, Headache Powders and Wafers, Hepatic Salts, Effervescent and Bromo Salts, Herb Tea for Laxative Purposes, Hypophosphites, Compound Syrup, Insect Powders, Iron Tonic Bitters, Castor Oil, Kidney Preparations, Disinfectants, Laxative Chocolate Confections, Liquid Court-Plaster, Larkspur Compound, Liver Pills, Lithia Tablets, Milk of Magnesia, Menthol-Inhalers, Menthol-Pencils, Obesity Preparations, Tonic and Anodyne for the Relief of Menstruation, Pepsin and Pepsin Tablets, Peroxid Hydrogen, Pile Preparations, Poison Flypaper, Straw Hat Dye, Rat Poison, Rat and Roach Pastes, Rheumatic Preparations, Russian Mineral Oil for Medicinal Purposes, Sarsaparilla Compound, Mosquito-Lotion, Sodamint and Pepsin Tablets, Soothing Syrup, Sulfur and Cream-of-Tartar Lozenges, Soda-Mint and Charcoal Tablets, Throat-Lozenges, Witch Hazel, Toothache Preparations, White-Pine Expectorants with Tar and Mentholates and Worm Preparations.
Claims use since Jan. 20, 1937.

Ser. No. 390,303. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y. Filed Mar. 20, 1937.

SYNOIL

For Chemical Compounds for Use in the Fat-Liquoring and Softening of Leather.
Claims use since Nov. 17, 1936.

Ser. No. 390,414. THE CYMONE COMPANY, Waco, Tex. Filed Mar. 23, 1937.

Cymone

For Tablets for the Preservation of Male Stamina.
Claims use since Jan. 2, 1937.

Ser. No. 390,468. PLATINUM PRODUCTS CORP., New York, N. Y. Filed Mar. 24, 1937.

LEKTROLITE

For Fluids for Lighters.
Claims use since June 1, 1933.

Ser. No. 390,473. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Mar. 24, 1937.

LYOFIX

For Chemical Products for Use as Auxiliary Agents in the Textile Industry—Namely, Finishing, Leveling, Emulsifying, Protecting, Wetting, Waterproofing, Softening Agents, Agents to Render Dyeings Fast to Water.
Claims use since Jan. 18, 1937.

Ser. No. 390,489. ADJUVANT SPECIALTIES COMPANY, Jersey City, N. J. Filed Mar. 25, 1937.

Adjuvacarb

For Antacid Preparation.
Claims use since Nov. 30, 1936.

Ser. No. 390,490. ADJUVANT SPECIALTIS COMPANY, Jersey City, N. J. Filed Mar. 25, 1937.

Adjudin

For Analgesic Preparation for Relief of Pain.
Claims use since Nov. 30, 1936.

Ser. No. 390,491. ADJUVANT SPECIALTIES COMPANY, Jersey City, N. J. Filed Mar. 25, 1937.

Adjudol

For Preparation for Use in the Treatment of Constipation.
Claims use since Nov. 30, 1936.

Ser. No. 390,492. ADJUVANT SPECIALTIES COMPANY, Jersey City, N. J. Filed Mar. 25, 1937.

Adjuferon

For Hematinic Preparation.
Claims use since Nov. 30, 1936.

Ser. No. 390,493. ADJUVANT SPECIALTIES COMPANY, Jersey City, N. J. Filed Mar. 25, 1937.

Adjuvoids

For Hemorrhoidal Suppositories.
Claims use since Nov. 30, 1936.

Ser. No. 390,525. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Mar. 25, 1937.

BASSARA

For Laxative Product in Dry Form.
Claims use since Mar. 13, 1937.

Ser. No. 390,533. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Mar. 25, 1937.

STETSOL

For Processing Fluid for the Treatment of Felt, Wool, Silk, and Various Fabrics and Materials to Render Them Stain and Perspiration Proof.
Claims use since Mar. 4, 1937.

Ser. No. 390,543. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Mar. 26, 1937.

CARBOSEAL

For Hygroscopic Glycol Compositions for Use as an Anti-Freeze and for Various Other Uses in the Industrial Arts.
Claims use since Dec. 18, 1935.

Ser. No. 390,563. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Mar. 26, 1937.

ESIDRONE

For Diuretic.
Claims use since Jan. 26, 1937.

Ser. No. 390,666. PUBLICKER, INC., Philadelphia, Pa. Filed Mar. 29, 1937.

CARBO FIZZIK

For Carbon Removing Compound for Removing Carbon Deposits in the Combustion Chambers of Automobile Engines and Other Combustion Engines.
Claims use since Mar. 12, 1937.

Ser. No. 390,760. VICHETTE COMPANY, Cincinnati, Ohio. Filed Mar. 31, 1937.

VICHETTE

For Tablets for Making Artificial Vichy.
Claims use since Mar. 1, 1937.

Ser. No. 391,223. REUBEN F. HOUSEMAN, Los Angeles, Calif. Filed Apr. 12, 1937.

SHERWOOD FOREST

For Poison Oak Preparation.
Claims use since Mar. 26, 1937.

Ser. No. 391,266. THE COLLALUM COMPANY, Cleveland, Ohio. Filed Apr. 13, 1937.

Collalum

For Preparation for Use in the Treatment of Stomach Disorders.
Claims use since Dec. 2, 1936.

Ser. No. 391,363. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Apr. 14, 1937.

Prontalid

For Chemotherapeutic Agent for Streptococcic and Staphylococcic Infections.
Claims use since Mar. 12, 1937.

Ser. No. 391,457. E. C. BOYKIN, SR., doing business as E. C. Boykin Drug Company, Brewton, Ala. Filed Apr. 17, 1937.

℞ No. 1312

The prescription sign is disclaimed apart from the mark.
For Preparation Used in the Treatment of Rheumatism and Impurities of the Blood.
Claims use since 1913.

Ser. No. 391,504. WESTERN LABORATORIES, Seattle, Wash. Filed Apr. 17, 1937.

HALOMIST

For Asthma and Hay Fever Medicine.
Claims use since Mar. 23, 1937.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 390,460. THE LOCKTITE CO., INC., Gloversville, N. Y. Filed Mar. 24, 1937.

VACU-SEAL

The word "Seal" is disclaimed apart from the mark.
For Tobacco Pouches.
Claims use since Feb. 1, 1937.

CLASS 10

Fertilizers

Ser. No. 390,295. CHASE & COMPANY, Sanford, Fla. Filed Mar. 15, 1937.

GROSO

For Fertilizers.
Claims use since Apr. 20, 1934.

CLASS 12

Construction Materials

Ser. No. 389,660. THE C. W. POE COMPANY, Cleveland, Ohio. Filed Mar. 4, 1937.

POECH INSULATIONS

The word "Insulations" is disclaimed apart from the mark.
For Thermal Insulating Material, Insulating Cement, Insulating Stove Pads, Insulating Bats, Insulating Blankets, Long Fibre Mineral Wool, Granulated Mineral Wool.
Claims use since 1932.

Ser. No. 390,898. THE CAMBRIDGE TILE MFG. CO., Cincinnati, Ohio. Filed Apr. 3, 1937. Under 10-year proviso.

CAMBRIDGE

For Ceramic, Clay Wall Tile, Glazed and Unglazed.
Claims use since 1885.

Ser. No. 390,899. THE CAMBRIDGE TILE MFG. CO., Cincinnati, Ohio. Filed Apr. 3, 1937. Under 10-year proviso.

WHEATLEY

For Ceramic, Clay Wall Tile, Glazed and Unglazed.
Claims use since 1880.

Ser. No. 391,140. MARBON CORPORATION, Chicago, Ill. Filed Apr. 9, 1937.

MARBON

For Tile Flooring, Both Rigid and Flexible Types.
Claims use since Mar. 24, 1937.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 376,289. MAID-O'-MIST, INC., Chicago, Ill. Filed Mar. 23, 1936.

WATER-BOY

For Automatic Liquid Level Control Water Feed for Low Pressure Steam Boilers, Hot Water Expansion Tanks, Warm Air Furnace Humidifiers, and the Like.
Claims use since Aug. 1, 1934.

Ser. No. 388,273. MERCO NORDSTROM VALVE COMPANY, Pittsburgh, and Homewood, Pittsburgh, Pa. Filed Jan. 28, 1937.

NORDCO

For Plug Valves.
Claims use since July 15, 1935.

Ser. No. 389,630. THE BASSICK COMPANY, Bridgeport, Conn. Filed Mar. 4, 1937.

TELEPOST

For Supporting Posts of Chair Irons.
Claims use since Oct. 9, 1935.

Ser. No. 389,677. CRANE CO., Chicago, Ill. Filed Mar. 5, 1937.



For Metal Pipe Fittings.
Claims use since Aug. 27, 1928.

Ser. No. 390,350. THE BASSICK COMPANY, Bridgeport, Conn. Filed Mar. 22, 1937.

Flo-Tilt

For Tilting Chair Irons.
Claims use since Oct. 9, 1935.

Ser. No. 390,589. THE EVEREDY COMPANY, Frederick, Md. Filed Mar. 27, 1937.

BARBARA FRITCHIE

Trade-mark is the name of the celebrated Civil War heroine of Whittier's poem.
For Coffee Sets Made of Base Metal Hollow Ware.
Claims use since Aug. 17, 1936.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 389,734. HEPWORTH & GRANDAGE LIMITED, Bradford, England. Filed Mar. 6, 1937.

VACRIT

For Rough Metal Castings of Ferrous Metal and Ferrous Alloy.
Claims use since August, 1932.

CLASS 15

Oils and Greases

Ser. No. 390,317. JANET J. HAIGH, doing business as Raceway Oil Co., Chicago, Ill. Filed Mar. 20, 1937.

Raceway GRAFITE

The word "Grafite" is disclaimed except as shown.
For Lubricating Oils.
Claims use since Jan. 5, 1937.

Ser. No. 390,388. SWAN-FINCH OIL CORPORATION, New York, N. Y. Filed Mar. 22, 1937.

SERNTAN

For Lubricating Oils.
Claims use since Sept. 25, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 390,234. PARAGON OIL COMPANY, INC., Brooklyn, N. Y. Filed Mar. 18, 1937.

Paragloss

For Automobile and Furniture Polish Possessing the Incidental Properties of a Cleaner.
Claims use since Sept. 1, 1936.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 389,797. SALSBURY CORPORATION, Los Angeles, Calif. Filed Mar. 8, 1937.



For Motor Scooters.
Claims use since Feb. 2, 1936.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 377,907. ARMSTRONG CORK PRODUCTS COMPANY, Lancaster, Pa. Filed May 2, 1936.

ARMOFLOR

For Hard Surfaced Floor Coverings Having a Composition Wearing Surface.
Claims use since Apr. 21, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 382,863. THE CHASE-SHAWMUT COMPANY, Newburyport, Mass. Filed Sept. 3, 1936.

C-QUICK

For Electric Fuses.
Claims use since April, 1936.

Ser. No. 383,428. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y. Filed Sept. 19, 1936.

DICTOGRAPH

SILENT RADIO

The word "Radio" is disclaimed apart from the mark.
For Radio Receiving Sets, Radio Receiving Sets Combined with Audible Signal Making Attachments and Audible Signal Making Attachments for Radio Receiving Sets.
Claims use since Sept. 15, 1936.

Ser. No. 384,034. FENWAL INCORPORATED, Danvers, Mass. Filed Oct. 6, 1936.

Fenwal

For Electric Heaters Suitable for Use as Stoves, Furnaces, Cooking, Drying, or Sterilizing Apparatus, Space Heaters, Water Heaters, Immersion Heaters, and Bayonet Heaters; and Thermo-Responsive Electric Heat Units and Elements Suitable for Use in the Said Electric Heaters.
Claims use since May 5, 1936.

Ser. No. 389,125. GENERAL MOTORS CORPORATION, Detroit, Mich., and Anderson, Ind. Filed Feb. 19, 1937.

Penetone

For Electrically Operated Sounding Horns, Signals, and Alarms and Parts Thereof, for Use with Motor-Driven Vehicles and for General Use.
Claims use since Jan. 20, 1937.

Ser. No. 389,957. UNIVERSAL CONTROLS, INC., Long Island City, N. Y. Filed Mar. 12, 1937.



The representation of the escutcheon plate, dial, and knob assembly is disclaimed apart from the mark.
For Stampings, Castings, Machined Parts, Knobs, Gears, Screws, Bezel Plates, Escutcheon Plates, Gear Housings, Dials, Dial Housings, Flexible Cables, Electric Conduits, Switches, Rheostats, Tuning Devices, Panel Mountings, and Panel Mounting Means, Sold Individually and in Combinations as Controls for Electrical Machines and Instruments.
Claims use since Feb. 9, 1937.

Ser. No. 390,881. WIND-KING ELECTRIC MANUFACTURING COMPANY, Merrill, Iowa. Filed Apr. 2, 1937.

WIND-KING

For Wind-Driven Generating Plants for Generating Electric Current for Light and Power.
Claims use since Jan. 19, 1937.

Ser. No. 391,116. CONTINENTAL RADIO AND TELEVISION CORP., Chicago, Ill. Filed Apr. 9, 1937.

TOUCH-O-MATIC

For Automatic Tuners for Radios.
Claims use since Nov. 15, 1936.

Ser. No. 391,191. NATIONAL UNION RADIO CORPORATION, Newark, N. J. Filed Apr. 10, 1937.

Du-Ray

For Electron Tubes.
Claims use since Mar. 31, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 375,750. BONDED BRANDS, INCORPORATED, Chicago, Ill. Filed Mar. 9, 1936.

BONDED

For Golf Balls.
Claims use since Jan. 30, 1936.

Ser. No. 387,894. SYDNEY T. FARRELL, doing business as National Games Company, Newtonville, Mass. Filed Jan. 18, 1937.



For Table Games Based on Sports—Namely, a Baseball Game, Football Game, and a Hundred Yard Dash Game, and Also on Baseball Score Cards and Football Score Cards.
Claims use since August, 1929.

Ser. No. 388,227. DAVEGA-CITY RADIO, INC., New York, N. Y. Filed Jan. 27, 1937.

MAJESTIC

For Golf Balls and Tennis Rackets.
Claims use since May 1, 1936.

Ser. No. 390,573. LOTTIE LAURIE MCCALL, Biloxi, Miss. Filed Mar. 24, 1937.



For Dolls.
Claims use since Dec. 1, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 377,723. THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich. Filed Apr. 27, 1936.

LUBRI-COTED GEARS

No claim is made to the word "Gears" or to the representations of gears except as shown.
For Mechanical Gears.
Claims use since Apr. 14, 1936.

Ser. No. 387,925. RICHESON COMPANY, INC., New York, N. Y. Filed Jan. 18, 1937.

UNIROAST

For Combination Machines for Roasting, Grinding, Dispensing Coffee, Nuts, Grain, and Similar Food Products, and Parts of Such Machines.
Claims use since Jan. 1, 1937.

Ser. No. 390,017. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Mar. 13, 1937.

THERMO-VAC

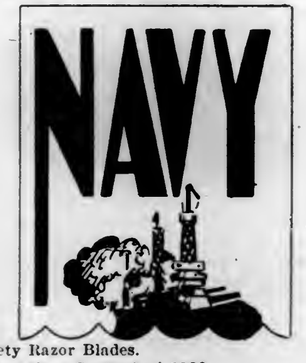
For Capping Machines for Containers.
Claims use since Jan. 30, 1937.

Ser. No. 390,889. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 5, 1937.



Trade-mark consists of a copper color spiral band on the surface of the shafting. The representation of the shafting structure exclusive of said band is disclaimed.
For Flexible Shafting.
Claims use since Dec. 21, 1936.

Ser. No. 391,292. TRIANGLE MECHANICAL LABORATORIES CORP., New York, N. Y. Filed Apr. 13, 1937.



For Safety Razor Blades.
Claims use since September, 1932.

CLASS 24

Laundry Appliances and Machines

Ser. No. 349,663. BUTLER MANUFACTURING COMPANY, Kansas City, Mo. Filed Apr. 7, 1934.

Lustrlux

For Dry-Cleaning Apparatus.
Claims use since Apr. 14, 1933.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 379,264. SOFT-LITE LENS COMPANY INC., New York, N. Y. Filed June 3, 1936.

Soft-Lite OVERGLAS

For Ophthalmic Lenses and Lens Blanks.
Claims use since May 1, 1936.

Ser. No. 388,823. ZELKO AND KIMPEL, Baltimore, Md. Filed Feb. 15, 1937.

MovieBoners

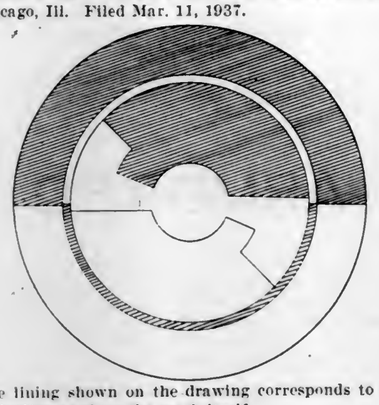
For Motion Picture Films, Sound Films Combined With Sound and Motion Picture Films and Motion Picture Films for Use in Connection With Synchronized Apparatus for Simultaneously Reproducing Coordinated Light and Sound Effect.
Claims use since Feb. 5, 1937.

Ser. No. 388,891. BAILEY METER COMPANY, Cleveland, Ohio. Filed Feb. 15, 1937.

PILOTROL

For Assembled Combination of an Air Pilot Valve With Sensitivity and Standardization Adjustments for Use in Metering and Controlling Devices.
Claims use since Feb. 3, 1937.

Ser. No. 389,900. REPUBLIC FLOW METERS COMPANY, Chicago, Ill. Filed Mar. 11, 1937.



The lining shown on the drawing corresponds to black line shading used on the mark itself.
For Charts for Recording Instruments.
Claims use since Feb. 19, 1937.

Ser. No. 390,037. F. D. ARCHER, doing business as Alloy Fabricating Company, Chicago, Ill. Filed Mar. 15, 1937.

CHROM-TITE

For Thermo-Couple Protection Tubes.
Claims use since Dec. 2, 1933.

Ser. No. 391,059. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Apr. 8, 1937.

KODALITH

For Photographic Papers, Photographic Films, Photographic Stripping Films, Sensitized Tracing Cloth, and Photographic Plates.
Claims use since November 12, 1929 on photographic papers, since August 13, 1931 on photographic films, since August 31, 1934 on photographic stripping films, since June 8, 1931 on sensitized tracing cloth, and since January 2, 1934 on photographic plates.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 389,341. WESSELTON DIAMOND CO. INC., New York, N. Y. Filed Feb. 24, 1937.



The words "Diamond Rings" and the representation of the stone are disclaimed apart from the mark.
For Diamonds, Gems, Precious Stones, and Jewelry Not Including Watches.
Claims use since Dec. 1, 1936.

Ser. No. 390,264. COHN & ROSENBERGER, INC., New York, N. Y. Filed Mar. 19, 1937.

Andrée

For Necklaces and Bracelets, Finger Rings, Earrings, Jewelry Clips, Brooches, Lockets, and the Following Goods Made in Whole or in Part of Precious Metal or Plated with the Same: Beads, Pins, Hat Ornaments, Hair Ornaments, Holders for Face Powder Compacts, Comb Cases, Cigarette Cases, Fancy Cigarette Boxes, Fancy Buckles and Jewelry Initials.
Claims use since Mar. 1, 1937.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 391,471. GERTS LUMBARD AND COMPANY, Chicago, Ill. Filed Apr. 17, 1937.

GELCO PAINTER

For Paint Brushes.
Claims use since Dec. 20, 1936.

Ser. No. 391,472. GERTS LUMBARD AND COMPANY, Chicago, Ill. Filed Apr. 17, 1937.

GOLDEN PAINTER

For Paint Brushes.
Claims use since Dec. 20, 1936.

Ser. No. 391,473. GERTS LUMBARD AND COMPANY, Chicago, Ill. Filed Apr. 17, 1937.

SILVER PAINTER

For Paint Brushes.
Claims use since Dec. 20, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 388,878. WHITE CROSS INC., Perth Amboy, N. J. Filed Feb. 13, 1937.

WHITE CROSS INC.

For Furniture—Namely, Upholstered Chairs, Ottomans, Footstools, Sofas, Rockers and Tables.
Claims use since Oct. 1, 1931.

Ser. No. 389,804. RUTHERFORD P. TODD, New York, N. Y. Filed Mar. 8, 1937.



The word "Pillow" is disclaimed apart from the mark as shown.

For Pillows and Cushions.
Claims use since Jan. 26, 1937.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 385,683. BRAUN BROS. OIL CO., Winnetka, Ill. Filed Nov. 18, 1936.

Care-free

For Oil Burners and Parts.
Claims use since July 1, 1934.

Ser. No. 388,228. PERRY V. EAKIN, Kansas City, Mo. Filed Jan. 27, 1937.

VACATION AIRE

For Portable Air Conditioned Compartments and Parts Thereof.
Claims use since September, 1935.

Ser. No. 389,808. UNITED STATES RADIATOR CORPORATION, Detroit, Mich. Filed March 8, 1937.



For Heating Radiators and Coal, Oil, Gas, and Electric Boilers.
Claims use since Jan. 2, 1911.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 388,348. S. R. DRESSER MANUFACTURING COMPANY, Bradford, Pa. Filed Jan. 30, 1937.

ARMORED

For Gaskets and Packings for Use in Connection with Pipe Couplings, Clamps, Split Sleeves, Bell and Spigot Mechanical Joints and Other Pipe Joints and Pipe Repair Devices.
Claims use since Aug. 1, 1934.

Ser. No. 390,117. DUNLOP TIRE AND RUBBER CORPORATION, Buffalo, N. Y. Filed Mar. 16, 1937.

GOLD CUP

For Non-Metallic Tires of Fabric and Rubber, and Inner Tubes of Rubber.
Claims use since Feb. 3, 1937.

CLASS 37

Paper and Stationery

Ser. No. 387,067. HILL-INDEPENDENT MFG. CO., Germantown, Philadelphia, Pa. Filed Dec. 23, 1936.

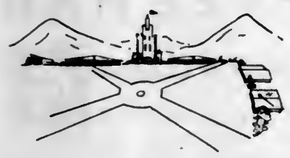


No claim is made to the representation of the handle of a hand-stamp.

For Hand-Stamps.
Claims use since Oct. 1, 1936.

Ser. No. 388,840. KURTZ BROS., Clearfield, Pa. Filed Feb. 12, 1937.





For Pencil Tablets, Composition Books and Note Books.
Claims use since May 28, 1924.

Ser. No. 389,286. WHITE & WYCKOFF MFG. COMPANY, Holyoke, Mass. Filed Feb. 23, 1937.

See-Rite

For Writing Tablets, Composition Books, and Note-Books.
Claims use since Nov. 8, 1929.

Ser. No. 390,614. WILSON-JONES COMPANY, Chicago, Ill. Filed Mar. 27, 1937.

UNIDEX

For Loose Leaf Binders, Indexes, and Component Parts Thereof.
Claims use since Dec. 23, 1936.

Ser. No. 390,683. BISHOP PAPER COMPANY, New York, N. Y. Filed Mar. 30, 1937.

3700

For Paper for Use in Addressographs, Tabulating Machines, Billing Machines, and the Like, Sold in Rolls.
Claims use since Sept. 9, 1931.

Ser. No. 390,866. REMINGTON RAND, INC., Buffalo, N. Y. Filed Apr. 2, 1937.

SECURITY

For Indexed Records, Record Holders, and Blank and Printed Cards, Sheets, and Forms and Parts Thereof.
Claims use since 1916.

Ser. No. 390,897. BRADNER SMITH & COMPANY, Chicago, Ill. Filed Apr. 3, 1937.

Broadway Trust

For Bond Paper.
Claims use since March, 1923.

Ser. No. 391,058. CROCKER-MCELWAIN COMPANY, Holyoke, Mass. Filed Apr. 8, 1937.

MILITANT

For Bond, Index, and Ledger Paper.
Claims use since Dec. 23, 1936.

CLASS 38

Prints and Publications

Ser. No. 384,401. THE PHILADELPHIA INQUIRER COMPANY, Philadelphia, Pa. Filed Oct. 15, 1936.

DO YOU KNOW

By Helen Hope

For Newspaper Section.
Claims use since Sept. 9, 1936.

Ser. No. 387,599. J. EDWARD SLAVIN, doing business as Sheriff J. Edward Slavin, New Haven, Conn. Filed Jan. 8, 1937.

THE FIRST OFFENDER

For Series of Dramatizations Published as a Script From Time to Time.
Claims use since Dec. 17, 1936.

Ser. No. 390,527. ANDREW R. PEARSON AND ROBERT S. ALLEN, Washington, D. C. Filed Mar. 25, 1937.

THE NINE OLD MEN

For News Columns and Special Articles Appearing Daily or from Time to Time.
Claims use since Oct. 27, 1936.

CLASS 39

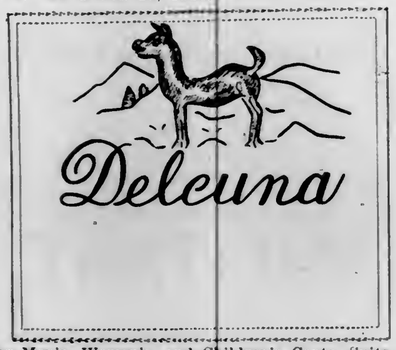
Clothing

Ser. No. 382,663. FREEMAN SHOE CORPORATION, Beloit, Wis. Filed Aug. 28, 1936.

FREEMAN
Master Golfer

For Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since Aug. 3, 1936.

Ser. No. 384,285. DELBROOK CLOTHES, INC., New York, N. Y. Filed Oct. 13, 1936.



For Men's, Women's, and Children's Coats, Suits, and Sport Jackets.
Claims use since June 8, 1936.

Ser. No. 386,369. HOLLYWOOD SILK MILLS, Los Angeles, Calif. Filed Dec. 5, 1936.

WEE-FIT

The word "Fit" is disclaimed except as shown.
For Panties, Step-in Girdles and Trunks.
Claims use since September, 1930.

Ser. No. 388,595. RICE-FRIEDMAN CO., Milwaukee, Wis. Filed Feb. 5, 1937.



For Overcoats for Boys and Women.
Claims use since Jan. 16, 1937.

Ser. No. 388,691. STEINFELD BLOUSES, INC., New York, N. Y. Filed Feb. 9, 1937.

Fleur De Paris

The word "Paris" is disclaimed apart from the mark.
For Ladies' and Misses' Blouses and Dresses.
Claims use since Nov. 19, 1935.

Ser. No. 389,298. ARCHER RUBBER COMPANY, Milford, Mass. Filed Feb. 24, 1937.



The word "Brand" is disclaimed.
For Waterproof Clothing—Namely, Coats, Jackets, Trousers, and Suits for Men, Women, and Children.
Claims use since Feb. 16, 1937.

Ser. No. 389,665. THE WEISBAUM BROS. BROWER COMPANY, Cincinnati, Ohio. Filed Mar. 4, 1937.



The word "Crepe" is disclaimed except as shown.
For Neckties.
Claims use since Apr. 7, 1934.

Ser. No. 389,681. FREEMAN SHOE CORPORATION, Beloit, Wis. Filed Mar. 5, 1937.

FREEMAN

Shock Easer



"IT'S CUSHIONED"

The words "Shock Easer, It's Cushioned" are disclaimed apart from the mark.
For Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof, for Men, Women, and Children.
Claims use since Feb. 18, 1937.

Ser. No. 390,063. JOSEPH GREENE, New York, N. Y. Filed Mar. 15, 1937.



The words "Robe" and "Tailor Made" are disclaimed apart from the mark.
For Young Men's and Boys' Bath Robes.
Claims use since Feb. 1, 1937.

Ser. No. 390,185. ROBERTS, Columbus, Ohio. Filed Mar. 17, 1937.



The picture is fanciful.
For Women's and Misses' Fur Coats, Fur Neck Pieces, Cloth Coats, Cloth Suits, Dresses, Blouses.
Claims use since Mar. 15, 1937.

Ser. No. 390,502. BUSCARLET GLOVE COMPANY INC., New York, N. Y. Filed Mar. 25, 1937.

Apaché Bronze

The word "Bronze" is disclaimed except in the association shown.
For Leather Gloves.
Claims use since Mar. 1, 1937.

Ser. No. 390,507. CLAUDE H. DANIELS, East Portchester, Conn. Filed Mar. 25, 1937.

MR DEEDS

For Boots and Shoes of Leather, Rubber, Fabric, or Combinations.
Claims use since Mar. 23, 1937.

Ser. No. 390,508. DEBWAY HATS, INC., New York, N. Y. Filed Mar. 25, 1937.



For Ladies' Hats.
Claims use since Dec. 14, 1936.

Ser. No. 390,511. FASHION PARK MANUFACTURING CORPORATION, Rochester, N. Y. Filed Mar. 25, 1937.



The term "Camel-Fur" is disclaimed apart from the mark.
For Men's Topcoats and Overcoats.
Claims use since Apr. 3, 1936.

Ser. No. 390,571. J. & A. YOUNG, INC., Brooklyn, N. Y. Filed Mar. 26, 1937.



The words "Sportswear" and "Polo" are disclaimed apart from the mark.
For Polo Shirts.
Claims use since September, 1936.

Ser. No. 390,606. PRESSLAFF & BERNSTEIN, New York, N. Y. Filed Mar. 27, 1937.

STRIDER

For Ladies' and Misses' Blouses, Dresses, Scarves, Skirts, and Playsuits.
Claims use since Jan. 27, 1936.

Ser. No. 390,658. R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 29, 1937.

FARBELOWS

For Women's Hats and Women's Shoes of Leather, Fabric, and Combinations of Leather and Fabric.
Claims use since Jan. 2, 1937.

Ser. No. 390,852. HASPEL BROTHERS, INC., New Orleans, La. Filed Apr. 2, 1937.

KING FLAX

The word "Flax" is disclaimed apart from the mark as shown.
For Men's and Boys' Suits, Coats, Pants, Trousers, and Vests.
Claims use since January, 1937.

Ser. No. 390,919. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Apr. 3, 1937.

Up-Top

For Hosiery.
Claims use since Mar. 12, 1937.

Ser. No. 390,989. CARLETON SPORTSWEAR, INC., New York, N. Y. Filed Apr. 6, 1937.

CARABANA

For Ladies' and Misses' Coats, Suits, Dresses, Blouses, Culottes, Playsuits, Shorts, Slacks, Halters, and Bathing Suits.
Claims use since Jan. 6, 1936.

Ser. No. 391,067. HASPEL BROTHERS, INC., New Orleans, La. Filed Apr. 8, 1937.

IRISH-TOWN

For Men's and Boys' Suits, Coats, Pants, Trousers, and Vests.
Claims use since February, 1937.

Ser. No. 391,170. BARTLETT CLOTHES, INC., Chicago, Ill. Filed Apr. 10, 1937.

"BAR-CUNA"

For Men's and Boys' Suits of Clothing.
Claims use since Mar. 13, 1937.

Ser. No. 391,255. S. WOLBARSHT, doing business as S. Wolbarsht & Co., Baltimore, Md. Filed Apr. 12, 1937.

COOL BROOK

For Men's and Boys' Suits, Coats, Vests, and Pants.
Claims use since July 1, 1935.

Ser. No. 391,257. TEXAS INFANTS DRESS CO., INC., San Antonio, Tex. Filed Apr. 10, 1937.

TODDLETTE

For Infants' Dresses, Children's Dresses, Sunsuits, Play Suits, Brother and Sister Suits.
Claims use since Sept. 28, 1936.

Ser. No. 391,327. KAPLAN BROS., doing business as The O. K. Knee Pants Co., New York, N. Y. Filed Apr. 14, 1937.

OK Knee Pants

The words "Knee Pants" are disclaimed apart from the mark.
For Men's Trousers and Boys' Suits and Trousers.
Claims use since July, 1908.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 379,838. THOMAS FRENCH & SONS LIMITED, Manchester, England. Filed June 17, 1936.



All wording is disclaimed.
For Ladder Tapes, Curtain Tapes, Curtain Edging, and Curtain Trimming.
Claims use since Mar. 13, 1935.

Ser. No. 389,889. SHELTON TEXTILE FABRIC CO., Shelton, Conn. Filed Mar. 10, 1937.

Midinette de Paris

For Shoulder Straps, Narrow Elastics, and Elastic Braids.
Claims use since Feb. 15, 1937.

Ser. No. 390,139. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn. Filed Mar. 16, 1937.

PERMEX

For Snap Fasteners.
Claims use since Feb. 11, 1937.

CLASS 41

Canes, Parasols, and Umbrellas

Ser. No. 390,664. POLAN, KATZ AND COMPANY, Baltimore, Md. Filed Mar. 29, 1937.

CLEARBRELLA

For Umbrellas.
Claims use since Mar. 15, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 389,134. ARTHUR KAHN CO., INC., New York, N. Y. Filed Feb. 19, 1937.

KAHNFAST

For Piece Goods Made Wholly or in Part of Cotton, Silk, Rayon, Wool, or Mixtures Thereof.
Claims use since Sept. 1, 1936.

Ser. No. 389,491. YUDIN BROTHERS, New York, N. Y. Filed Feb. 27, 1937.

LARKWOOD

For Sheets and Pillow Cases.
Claims use since Jan. 7, 1937.

Ser. No. 390,150. SECURITY MILLS, INC., New York, N. Y. Filed Mar. 18, 1937.

Mojella

For Woolen, Mohair, and Cotton Knitted and Woven Fabrics in the Piece.
Claims use since Jan. 2, 1937.

Ser. No. 390,560. SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Mar. 26, 1937.

SAYLFAST

For Piece Goods of Cotton, Linen, Silk, Rayon, and Woolen Mixtures.
Claims use since Aug. 7, 1933.

Ser. No. 391,078. PERRY H. LITTLE, doing business as Delite Products Company, Los Angeles, Calif. Filed Apr. 8, 1937.



For Hair Nets, Wave Caps, Veils, and Veilings.
Claims use since Aug. 30, 1932.

CLASS 43

Thread and Yarn

Ser. No. 376,341. EASTYARN, INC., Brooklyn, N. Y. Filed Mar. 24, 1936.

TYLOS

For Yarns.
Claims use since Feb. 1, 1936.

Ser. No. 391,117. EUREKA WOOLEN MILLS, INC., Eureka, Calif. Filed Apr. 9, 1937.

EUREKA FOGSPUNS

For Yarn.
Claims use since August, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 389,872. LEONA W. CHALMERS, New York, N. Y. Filed Mar. 10, 1937.

Va-jette

Trade-mark consists of the name "Va-jette."
For Douche Sprays.
Claims use since June, 1933.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 387,503. GRICHNIK & GRICHNIK, Carlinville, Ill. Filed Jan. 6, 1937.

HONEY
Romma

The word "Honey" is disclaimed apart from the mark.
For Maltless, Nonalcoholic Honey Beverage Sold as a Soft Drink.
Claims use since Sept. 25, 1936.

Ser. No. 389,444. ALL AMERICAN BEVERAGE CO., INC., Beaver Falls, Pa. Filed Feb. 27, 1937.

NU 7

For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since February, 1936.

Ser. No. 390,018. DAINTY FOODS MANUFACTURERS, INC., Chicago, Ill. Filed Mar. 13, 1937.

NORTH POLE ADE

For Compound for Making Beverages, Non-Alcoholic.
Claims use since May, 1935.

Ser. No. 390,249. SEMINOLE FLAVOR COMPANY, Chattanooga, Tenn. Filed Mar. 18, 1937.

DOUBLE TREAT BEVERAGES

The word "Beverages" is disclaimed apart from the mark as shown.
For Carbonated, Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks, and Syrups for Compounding the same.
Claims use since November, 1935.

Ser. No. 390,278. NUTMEG CLUB BEVERAGE COMPANY, New London, Conn. Filed Mar. 19, 1937.

Uncas

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Mar. 1, 1937.

Ser. No. 390,512. BOB FELLER COMPANY, Cleveland, Ohio. Filed Mar. 25, 1937.

HI-FELLER



The portrait and name "Bob Feller" are those of Robert (Bob) Feller, a member of the firm.

For Non-Alcoholic, Maltless Beverages, Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.

Claims use since Mar. 24, 1937.

Ser. No. 391,125. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Hawaii, and San Francisco, Calif. Filed Apr. 9, 1937.



The drawing is lined for blue and green. The representation of a label is disclaimed apart from the mark.

For Canned Fruit Juices for Beverage Purposes.

Claims use since June 23, 1934.

Ser. No. 391,135. LUDFORD FRUIT PRODUCTS, INC., Los Angeles, Calif. Filed Apr. 9, 1937.

ALKA - TIME

For Non-Alcoholic Beverages.

Claims use since December, 1936.

Ser. No. 391,308. BROCTON DISTRIBUTING COMPANY, Atlanta, Ga. Filed Apr. 14, 1937.



For Apple Cider.

Claims use since Feb. 15, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 368,042. PHILIP LOPEDOTA, doing business as A. & Ph. Lopedota & Son, Brooklyn, N. Y. Filed Aug. 6, 1935.



All wording except "Juxie" and "A. & Ph. Lopedota & Son" is disclaimed apart from the mark.

For "Green Sauce", an Appetizer or Sauce for Use on Fish, Meat or Salads.

Claims use since Dec. 1, 1932.

Ser. No. 369,735. DRY FRUIT PRODUCTS CORPORATION, Oakland, Calif. Filed Sept. 26, 1935.

Orchard Bloom

For Bread.

Claims use since Aug. 1, 1935.

Ser. No. 377,906. AMERICAN BIRD PRODUCTS, INC., Chicago, Ill. Filed May 2, 1936.



For Bird Seed and Song Food.

Claims use since Apr. 10, 1935.

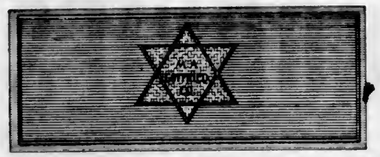
Ser. No. 377,909. CHESTER BERNARD BROWN, Morrill, Nebr. Filed May 2, 1936.



For Dried Beans.

Claims use since September, 1929.

Ser. No. 386,424. M. A. GOTFRIED, doing business as M. A. Gotfried Co., Santa Paula, Calif. Filed Dec. 7, 1936.



The representations of the label and of the Star of David are disclaimed apart from the mark. The drawing is lined for red, yellow, dark blue, and light blue.

For Fresh Vegetables:

Claims use since Jan. 25, 1936.

Ser. No. 386,626. ARUNDEL ICE CREAM CO., Baltimore, Md. Filed Dec. 11, 1936.

ARUNDEL

For Ice Cream.

Claims use since Dec. 1, 1920.

Ser. No. 387,196. FOREST J. MAYNARD, doing business as Forest J. Maynard Co., San Francisco, Calif. Filed Dec. 28, 1936.

SUN COUNTRY

For Canned Fruits, Canned Vegetables.

Claims use since Dec. 8, 1936.

Ser. No. 388,524. THE BEACON MILLING COMPANY, INC., Cayuga, N. Y. Filed Feb. 4, 1937.



The words "Feeds", "Better Feeding", "Cayuga, New York", are disclaimed apart from the mark.

For Grains and Mixed Feeds in Whole, Ground, Partially Ground, Crushed, or Pellet Form for Cattle, Poultry, Turkeys, Pigeons, Hogs, Horses, and Other Domestic Stock.

Claims use since Apr. 7, 1919.

Ser. No. 389,472. PRINCESS PECANS, Albany, Ga. Filed Feb. 27, 1937.

KING O'NUTS

The word "Nuts" is disclaimed apart from the mark.

For Nuts, Shelled, Salted, or in Their Natural State.

Claims use since Jan. 13, 1937.

Ser. No. 389,499. BOB FELLER COMPANY, Cleveland, Ohio. Filed Mar. 1, 1937.



Good Feller

The portrait is that of Robert ("Bob") Feller, a member of the firm.

For Candies and Candy Bars.

Claims use since Feb. 25, 1937.

Ser. No. 389,582. GEORGE WESTON LIMITED, Passaic, N. J. Filed Mar. 2, 1937.



For Crackers.

Claims use since August, 1934.

Ser. No. 389,623. TOOMEY'S MILLS, Newcastle, Wyo. Filed Mar. 3, 1937.



No claim is made to the words "Toomey's Famous Flapjack Flour" except in the combination claimed. The representation of the boy is fanciful.

For Pancake Flour.

Claims use since Jan. 1, 1929.

Ser. No. 389,719. EDEN C. BOOTH, doing business as Colonial Poultry Farms, Pleasant Hill, Mo. Filed Mar. 6, 1937.



COLONIAL

The representation of the chick is disclaimed apart from the mark.
For Baby Chicks.
Claims use since Mar. 1, 1922.

Ser. No. 390,157. ARDEN FARMS, INC., Los Angeles, Calif. Filed Mar. 17, 1937.



Arden

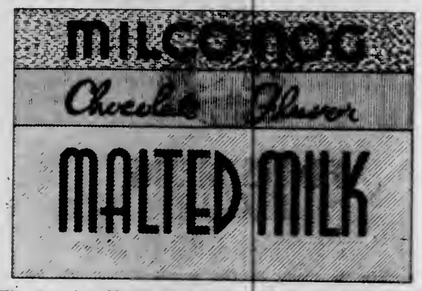
The representation of the boy is fanciful.
For Milk, Both Fresh and Evaporated, Buttermilk, Cream, Butter, Cottage Cheese, Ice Cream, and Other Frozen Confections.
Claims use since Oct. 1, 1930.

Ser. No. 390,332. THEODORE JOHN SNYDER, San Diego, Calif. Filed Mar. 20, 1937.

POCKET ROLL

"Roll" is disclaimed apart from the mark as shown.
For Rolls.
Claims use since Jan. 1, 1936.

Ser. No. 390,355. CIRCLE FOODS, INC., New York, N. Y. Filed Mar. 22, 1937.



The words "Nog", "Chocolate Flavor", and "Malted Milk" are disclaimed apart from the mark.
For Chocolate Flavored Malted Milk Powder.
Claims use since Dec. 22, 1934.

Ser. No. 390,362. GENERAL MILLS, INC., Minneapolis, Minn. Filed Mar. 22, 1937.

KORNIES

For Cereal Food Products, Particularly Breakfast Cereal.
Claims use since Feb. 23, 1937.

Ser. No. 390,385. GREGORY G. SOTIRO, doing business as Yemen House Coffee Roasters, New York, N. Y. Filed Mar. 22, 1937.



The words "Yemen" and "Turkish Style Coffee" are disclaimed apart from the mark.
For Coffee.
Claims use since 1924.

Ser. No. 390,561. SCATENA-GALLI FRUIT CO., San Francisco, Calif. Filed Mar. 26, 1937.

Essangee

For Fresh Fruits and Vegetables, Particularly Avocados and Asparagus.
Claims use since Feb. 25, 1937.

Ser. No. 390,673. SCHUTTER CANDY COMPANY, Chicago, Ill. Filed Mar. 29, 1937.

Anchors Away

For Candy.
Claims use since Jan. 30, 1937.

Ser. No. 390,677. SUPREME REDUCING MAYONNAISE COMPANY, Boston, Mass. Filed Mar. 29, 1937.

SLENDERNAISE

For Mayonnaise and Salad Dressing.
Claims use since Mar. 1, 1937.

Ser. No. 390,703. JAMES MASSIELO, doing business as Ragu Packing Co., Rochester, N. Y. Filed Mar. 30, 1937.

RAGU'

For Spaghetti Sauce.
Claims use since Mar. 22, 1937.

Ser. No. 390,746. RHEINGOLD CHEESE COMPANY, Chicago, Ill. Filed Mar. 31, 1937.

TANGWAY

For Cheese Spread.
Claims use since June 27, 1935.

Ser. No. 391,120. FEHR BAKING COMPANY OF HOUSTON, Houston, Tex. Filed Apr. 9, 1937.

SULTAN (SEED)

The word "Seed" is disclaimed apart from the mark.
For Bread.
Claims use since Feb. 12, 1937.

Ser. No. 391,398. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Apr. 15, 1937.



For Breakfast Cereals.
Claims use since February, 1929.

Ser. No. 391,399. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Apr. 15, 1937.

BIG EGG



For Poultry Feeds.
Claims use since 1914.

Ser. No. 391,492. SAN FERNANDO HEIGHTS ORANGE ASSN., San Fernando, Calif. Filed Apr. 17, 1937.

TITAN

For Fresh Citrus Fruit.
Claims use since May 14, 1923.

CLASS 47

Wines

Ser. No. 390,707. PICKER-LINZ IMPORTERS, INC., New York, N. Y. Filed Mar. 30, 1937.

VALID

For Wines.
Claims use since February, 1937.

Ser. No. 390,819. SOCIETE VINICOLE DE PAUILLAC (SOCIÉTÉ ANONYME), Pauillac, France. Filed Apr. 1, 1937.

WHITE LAMB

For Still Wines.
Claims use since Sept. 28, 1936.

Ser. No. 390,918. HUDSON VALLEY WINE COMPANY, INC., Highland, N. Y. Filed Apr. 3, 1937.

DuVoia

For Wines.
Claims use since Aug. 1, 1935.

Ser. No. 391,087. PETRI CIGAR CO., doing business as Petri Wine Company, San Francisco, Calif. Filed Apr. 8, 1937.

FIDELIS

For Wines.
Claims use since Jan. 2, 1937.

CLASS 48

Malt Beverages and Liquors

Ser. No. 382,657. ČESKÝ AKCIOVÝ PIVOVAR V. Č. BUDĚJOVICICH, Ceske Budejovice, Czechoslovakia. Filed Aug. 28, 1936.

IMPORTED ORIGINAL BOHEMIAN Budweiser Beer FROM BUDWEIS CITY BOHEMIAN BREWERY LTD. CESKE BUDEJOVICE BUDWEIS CZECHOSLOVAKIA CONTAINS 11 FLUID OUNCES NET IMPORTED BY

No claim is made to any wording except "Bohemian Brewery Ltd."
For Beer.
Claims use since Aug. 7, 1934.

Ser. No. 387,670. JACKSON BREWING COMPANY, New Orleans, La. Filed Jan. 11, 1937.

JAX

FOR FRIENDLY STIMULATION

The word "Stimulation" is disclaimed apart from the mark shown.
For Beer.
Claims use since Nov. 21, 1936.

Ser. No. 390,824. TIVOLI BREWING COMPANY, Detroit, Mich. Filed Apr. 1, 1937.

DOUBLE BOCK BEER

The words "Double Bock Beer" are disclaimed apart from the mark as shown.
For Bock Beer.
Claims use since Mar. 15, 1935.

Ser. No. 390,909. A. GETTELMAN BREWING CO., Milwaukee, Wis. Filed Apr. 3, 1937.

Gettelman's STEIN BREW

The word "Brew" is disclaimed apart from the mark.
For Beer.
Claims use since Mar. 17, 1937.

Ser. No. 390,970. JACOB RUPPERT, New York, N. Y. Filed Apr. 5, 1937.

JACOB RUPPERT BEER

The word "Beer" is disclaimed. The drawing is lined for brown and red.
For Beer.
Claims use since Sept. 16, 1935.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 390,231. ORIGINAL JULIUS MARCUS LABORATORIES, INC., Jersey City, N. J. Filed Mar. 18, 1937.

Maison Louis



The portrait is that of Louis H. F. Mouquin.
For Gin, Sloe Gin, Rock and Rye, Creme de Cacao, Blackberry Cordial, Kummel, and Creme de Menthe.
Claims use since Nov. 19, 1936.

Ser. No. 390,442. CELESTIN, LTD., New York, N. Y. Filed Mar. 24, 1937.

CELESTIN'S

CELESTIN'S FINE COGNAC BRANDY PRODUCE OF FRANCE BOTTLED IN COGNAC CELESTIN, LTD.

The drawing is lined for gold. No claim is made to any words apart from the mark as shown, nor to the representation of the label.
For Brandy, Cognac, and Cognac Brandy.
Claims use since Jan. 29, 1937.

Ser. No. 390,443. CELESTIN, LTD., New York, N. Y. Filed Mar. 24, 1937.

CELESTIN'S

20 YEARS OLD

CELESTIN'S FINE OLD COGNAC BRANDY PRODUCE OF FRANCE BOTTLED IN COGNAC IMPORTED BY CELESTIN, LTD. 11 BATTERY PLACE, NEW YORK

The drawing is lined for yellow and red. No claim is made to any words apart from the mark as shown, nor to the representation of the label.
For Brandy, Cognac, and Cognac Brandy.
Claims use since Mar. 22, 1934.

Ser. No. 390,745. ED. PHILLIPS & SONS COMPANY, Minneapolis, Minn. Filed Mar. 31, 1937.

UNION HILL

For Whiskey.
Claims use since Jan. 1, 1937.

Ser. No. 391,749. DENEBEIM LIQUOR CO., Kansas City, Mo. Filed Apr. 23, 1937.

D·B·W

For Whiskey.
Claims use since Apr. 13, 1937.

Ser. No. 391,750. DENEBEIM LIQUOR CO., Kansas City, Mo. Filed Apr. 23, 1937.

D·F·W

For Whiskey.
Claims use since Apr. 13, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 381,408. ROBERT EIDINGER, Chicago, Ill. Filed July 24, 1936.

MEER MADE PRODUCTS

The words "Made Products" are disclaimed apart from the mark.
For Piece Goods of Water-Proofed Silk, Satin, Cotton, or Palm Cloth.
Claims use since September, 1925.

Ser. No. 383,632. ELLERSTEIN-GERBER CORP., New York, N. Y. Filed Sept. 25, 1936.

Miracle Tip

The word "Tip" is disclaimed apart from the mark.
For Attachments that Fit on the Top of Wooden and Metal Blocks Used in Making Hats.
Claims use since Aug. 1, 1936.

Ser. No. 390,134. MORRIS D. POLLINGER, doing business as M. D. Pollinger Co., Stamford, Conn. Filed Mar. 16, 1937.

"MILITARY"

For Stands for Displaying Shoes.
Claims use since Nov. 5, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 1, 1937

346,494. AUTOMOBILE TIRES AND TUBES. VOGUE RUBBER COMPANY, Chicago, Ill.
Filed December 31, 1934. Serial No. 359,823. PUBLISHED MARCH 23, 1937. Class 35.

346,495. READY TO EAT BAKED BEANS PREPARED AND PACKAGED IN GLASS JARS FOR SALE PURPOSES. THE MANN FOOD CORPORATION, Newton Center, Mass.
Filed July 25, 1935. Serial No. 367,669. PUBLISHED MARCH 23, 1937. Class 46.

346,496. RECURRENTLY ISSUED PUBLICATIONS AND PERIODICALS. CIVIC ACTIVITIES ASSOCIATION, Rockford, Ill.
Filed August 17, 1935. Serial No. 368,401. PUBLISHED MARCH 23, 1937. Class 38.

346,497. WHISKEY. WOODFORD COUNTY DISTILLERY Co., Midway, Ky.
Filed February 11, 1937. Serial No. 388,817. PUBLISHED MARCH 23, 1937. Class 49.

346,498. PAINTERS' NAPHTHA, PAINT THINNER, TURPENTINE SUBSTITUTE, FLOOR WAX, AND PAINT OILS. WOLVERINE-EMPIRE REFINING CO., New York, N. Y.
Filed November 29, 1935. Serial No. 372,122. PUBLISHED SEPTEMBER 8, 1936. Class 16.

346,499. CHERRIES IN GLASS CONTAINERS. FRUIT PRODUCTS CORPORATION, Belleville, N. J.
Filed December 10, 1935. Serial No. 372,472. PUBLISHED MARCH 23, 1937. Class 46.

346,500. CHERRIES IN GLASS CONTAINERS. FRUIT PRODUCTS CORPORATION, Belleville, N. J.
Filed December 10, 1935. Serial No. 372,473. PUBLISHED MARCH 23, 1937. Class 46.

346,501. CHEMICAL COMPOUND FOR CLEANING METAL AND OTHER SURFACES, SILVERWARE, DISHES, AND HOUSEHOLD ARTICLES. LAWRENCE W. BAFF, Brooklyn, N. Y.
Filed December 18, 1935. Serial No. 372,758. PUBLISHED MARCH 30, 1937. Class 4.

346,502. YARN TREATING DEVICES IN THE NATURE OF ATTACHMENTS FOR TEXTILE MACHINERY. TEXTILE MACHINE WORKS, Wyomissing, Pa.
Filed January 4, 1936. Serial No. 373,347. PUBLISHED MARCH 23, 1937. Class 23.

346,503. CLEANSING CREAM, TISSUE BUILDER, CLEANSING LIQUID, ASTRINGENT CREAM, ASTRINGENT LOTION, FOUNDATION CREAM, ETC. JOHN G. BOYLE, Saginaw, Mich.
Filed January 11, 1936. Serial No. 373,556. PUBLISHED MARCH 16, 1937. Class 6.

346,504. WHISKEY. A. KLOTZMAN, Baltimore, Md., assignor to Maryland Distillery, Incorporated, Relay, Md., a corporation of Maryland.
Filed January 17, 1936. Serial No. 373,793. PUBLISHED MARCH 23, 1937. Class 49.

346,505. WHISKEY. A. KLOTZMAN, Baltimore, Md., assignor to Maryland Distillery, Incorporated, Relay, Md., a corporation of Maryland.
Filed January 17, 1936. Serial No. 373,794. PUBLISHED MARCH 23, 1937. Class 49.

346,506. WHISKEY. A. KLOTZMAN, Baltimore, Md., assignor to Maryland Distillery, Incorporated, Relay, Md., a corporation of Maryland.
Filed January 17, 1936. Serial No. 373,795. PUBLISHED MARCH 23, 1937. Class 49.

346,507. WOMENS', MISSES', AND CHILDREN'S HATS AND CAPS; SCARFS OF SILK, WOOL, RAYON, LINEN, AND COTTON; ETC. MALCOLM & ENGEL, New York, N. Y.
Filed January 18, 1936. Serial No. 373,861. PUBLISHED MARCH 23, 1937. Class 39.

346,508. LIGHT DIRECTORS FOR INTERIOR ELECTRIC LIGHTING FIXTURES. THE GENERAL ILLUMINATION ENGINEERING COMPANY, Cincinnati, Ohio.
Filed February 25, 1936. Serial No. 375,231. PUBLISHED MARCH 23, 1937. Class 34.

346,509. LUCK PIECES AND TOKENS. THE EMBOSSING COMPANY, Albany, N. Y.
Filed February 26, 1936. Serial No. 375,242. PUBLISHED JUNE 23, 1936. Class 50.

346,510. READY MIXED PAINTS, PAINT ENAMELS, VARNISHES, STAINS, AND LACQUERS. THE GLIDDEN COMPANY, doing business as Empire Paint Company, Cleveland, Ohio.
Filed March 19, 1936. Serial No. 376,181. PUBLISHED JUNE 9, 1936. Class 16.

346,511. LIGHT WINES. MAX HUPPERT, Putnam, Conn.
Filed April 9, 1936. Serial No. 376,996. PUBLISHED MARCH 23, 1937. Class 47.

346,512. INDUSTRIAL ALKALI. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed April 17, 1936. Serial No. 377,302. PUBLISHED MARCH 16, 1937. Class 6.

346,513. WINE. L. E. DE FALCO, doing business as Italian Importing Co., San Diego, Calif.
Filed May 4, 1936. Serial No. 377,974. PUBLISHED OCTOBER 13, 1936. Class 47.

346,514. STERLING SILVER AND SILVER PLATED FLATWARE AND HOLLOW WARE. NATIONAL SILVER COMPANY, doing business as Cheltenham and Company, New York, N. Y.
Filed May 8, 1936. Serial No. 378,223. PUBLISHED MARCH 23, 1937. Class 28.

346,515. CURTAINS AND WOVEN, KNITTED, NETTED, AND TEXTILE, AND PILE FABRICS IN THE PIECE, FROM WHICH CURTAINS ARE MADE, SUCH AS VELVETS, VELVETEENS, MOHAIR, PLUSH, ASTRAKHAN, CAMELSHAIR, VELOUR, CHINCHILLA, MOHAIR FRIEZE, AND DOPAK. WM. T. KNOTT COMPANY, INC., New York, N. Y.
Filed May 13, 1936. Serial No. 378,405. PUBLISHED MARCH 23, 1937. Class 42.

346,516. FURNITURE—NAMELY, DINING ROOM, SUCH AS BUFFETS, CHINA CLOSETS, TABLES, CHAIRS, TEA WAGONS; BED ROOM, SUCH AS BUREAUS, CHIFFONIERS, CHESTS OF DRAWERS, DRESSING TABLES, CHAIRS, BEDS; AND LIVING ROOM FURNITURE, SUCH AS SOFAS, TABLES, DESKS, CHAIRS, FOOTSTOOLS, AND MAGAZINE RACKS. THOMASVILLE CHAIR COMPANY, Thomasville, N. C.
Filed May 18, 1936. Serial No. 378,595. PUBLISHED MARCH 23, 1937. Class 32.

346,517. TEMPERATURE MEASURING AND CONTROLLING DEVICES OF THE TYPE EMPLOYING GRID GLOW TUBES CONTROLLED BY PHOTOELECTRIC CELLS. HAGAN CORPORATION, Pittsburgh, Pa.
Filed May 23, 1936. Serial No. 378,785. PUBLISHED MARCH 23, 1937. Class 26.

346,518. TRADE PUBLICATION. WESLEY STEEL TREATING COMPANY, Milwaukee, Wis.
Filed June 4, 1936. Serial No. 379,325. PUBLISHED MARCH 23, 1937. Class 38.

346,519. INLAID PLYWOOD FOR WALLS AND CEILINGS. VANCOUVER PLYWOOD & VENEER COMPANY, Vancouver, Wash.
Filed June 24, 1936. Serial No. 380,166. PUBLISHED MARCH 23, 1937. Class 12.

346,520. FRESH DECIDUOUS FRUITS, FRESH VEGETABLES. SGOBEL & DAY CO., Sacramento, Calif.
Filed July 20, 1936. Serial No. 381,224. PUBLISHED OCTOBER 20, 1936. Class 46.

346,521. OIL SOAP. THE CANFIELD OIL COMPANY, Cleveland, Ohio.
Filed July 21, 1936. Serial No. 381,257. PUBLISHED MARCH 23, 1937. Class 4.

346,522. MECHANICAL STEEL SIGNS. ENAMELED STEEL SIGN COMPANY, Chicago, Ill.
Filed July 23, 1936. Serial No. 381,356. PUBLISHED MARCH 23, 1937. Class 50.

346,523. ADHESIVE TAPES. GRAEME HARRISON PRODUCTS, INC., New York, N. Y.
Filed July 25, 1936. Serial No. 381,452. PUBLISHED MARCH 23, 1937. Class 5.

346,524. ADHESIVE TAPES. GRAEME HARRISON PRODUCTS, INC., New York, N. Y.
Filed July 25, 1936. Serial No. 381,453. PUBLISHED MARCH 23, 1937. Class 5.

346,525. ADHESIVE TAPE. GRAEME HARRISON PRODUCTS, INC., New York, N. Y.
Filed July 25, 1936. Serial No. 381,454. PUBLISHED MARCH 23, 1937. Class 5.

346,526. ADHESIVE TAPES. GRAEME HARRISON PRODUCTS, INC., New York, N. Y.
Filed July 25, 1936. Serial No. 381,456. PUBLISHED MARCH 23, 1937. Class 5.

346,527. VERTICAL MILLING MACHINES. GEORGE GORTON MACHINE COMPANY, Racine, Wis.
Filed August 25, 1936. Serial No. 382,556. PUBLISHED NOVEMBER 24, 1936. Class 23.

346,528. MILLED GRAIN PRODUCTS AND PREPARATIONS THEREOF, PARTICULARLY POULTRY FEED. STALEY MILLING COMPANY, North Kansas City and Kansas City, Mo.
Filed August 29, 1936. Serial No. 382,728. PUBLISHED MARCH 23, 1937. Class 46.

346,529. MONTHLY PUBLICATION DEVOTED TO CRIME SUPPRESSION AND PREVENTION. SICCARDI PUBLICATIONS, INC., Hackensack, N. J.
Filed September 14, 1936. Serial No. 383,234. PUBLISHED MARCH 23, 1937. Class 38.

346,530. PARTITIONS, DOORS, WOOD MOLDING, AND WOOD TRIM. DRIWOOD CORPORATION, New York, N. Y., assignor to Mannie Berger, New York, N. Y.
Filed September 17, 1936. Serial No. 383,354. PUBLISHED MARCH 23, 1937. Class 12.

346,531. COLORED AND COLORLESS COMPOSITION ADAPTED TO BE APPLIED IN PLASTIC FORM TO WALLS OR OBJECTS TO FORM A METALLIZED OR NON-METALLIZED COATING THEREON. AMERICAN POLYTECT CORPORATION, New York, N. Y.
Filed September 21, 1936. Serial No. 383,457. PUBLISHED MARCH 23, 1937. Class 12.

346,532. DOLLS' CLOTHES. MOLLY-'ES DOLL OUTFITTERS, INC., Philadelphia, Pa.
Filed September 21, 1936. Serial No. 383,475. PUBLISHED MARCH 23, 1937. Class 22.

346,533. CIGARS. JNO H. SWISHER & SON, INC., Jacksonville, Fla.
Filed September 28, 1936. Serial No. 383,753. PUBLISHED MARCH 23, 1937. Class 17.

346,534. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND FOR SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME. BRONX MINERAL WATER CO., INC., New York, N. Y.
Filed September 29, 1936. Serial No. 383,767. PUBLISHED NOVEMBER 24, 1936. Class 45.

346,535. IMITATION LEMON JUICE FOR FOOD PURPOSES. SANTA BARBARA CITRUS JUICE CO., INC., Orange, Calif.
Filed September 29, 1936. Serial No. 383,786. PUBLISHED MARCH 23, 1937. Class 46.

346,536. CANNED PIMIENTOS. H. A. SHAVER, INC., Lakeland, Fla.
Filed September 30, 1936. Serial No. 383,825. PUBLISHED MARCH 23, 1937. Class 46.

346,537. WOMEN'S FUR COATS. JACOB ASH, doing business as Ash's, New York, N. Y.
Filed October 2, 1936. Serial No. 383,867. PUBLISHED MARCH 23, 1937. Class 39.

346,538. MEDICINAL PREPARATION USED EXTERNALLY BY PHYSICIANS AS AN ABSORBENT AND COUNTER-IRRITANT ON THE HUMAN SKIN. DELBERT B. EASLEY, Bartlesville, Okla.
Filed October 15, 1936. Serial No. 384,373. PUBLISHED MARCH 16, 1937. Class 6.

346,539. LUMINOUS GAS FLAME BURNERS AND PARTS THEREOF. HOLYOKE HEATER COMPANY, Holyoke, Mass.
Filed October 17, 1936. Serial No. 384,465. PUBLISHED MARCH 23, 1937. Class 34.

346,540. BOOK SERIES PUBLISHED FROM TIME TO TIME. DITTO, INCORPORATED, Chicago, Ill.
Filed October 23, 1936. Serial No. 384,701. PUBLISHED MARCH 23, 1937. Class 38.

346,541. CHILDREN'S DRESSES AND BLOUSES. HANDCRAFT IMPORT CO., INC., New York, N. Y.
Filed October 24, 1936. Serial No. 384,746. PUBLISHED MARCH 23, 1937. Class 39.

346,542. VACUUM PACKED CANNED FRENCH FRIED POTATOES. NORMANDIE POTATO CORPORATION, Milwaukee, Wis.
Filed October 28, 1936. Serial No. 384,904. PUBLISHED MARCH 16, 1937. Class 46.

346,543. MULTI-COLORED POST CARDS AND PICTORIAL ILLUSTRATIONS. CURT TEICH & COMPANY, INC., Chicago, Ill.
Filed November 4, 1936. Serial No. 385,136. PUBLISHED MARCH 23, 1937. Class 38.

346,544. FRUIT JUICES FOR FOOD PURPOSES. DAVID H. PEERY, also doing business Pam Pam, Hollywood, Calif.
Filed November 4, 1936. Serial No. 385,150. PUBLISHED MARCH 23, 1937. Class 46.

346,545. ASBESTOS-CEMENT SHINGLES. THE RUBEROID CO., Boundbrook, N. J., and New York, N. Y.
Filed November 5, 1936. Serial No. 385,201. PUBLISHED MARCH 16, 1937. Class 12.

346,546. CONVEYOR ROLLS AND ROLLERS FOR ALL TYPES OF CONVEYORS, ROLLS FOR GLASS MAKING MACHINERY, TUBE ROLLS FOR PAPER MACHINES, PRESS ROLLS, ETC. MICHIGAN STEEL CASTING COMPANY, Detroit, Mich.
Filed November 12, 1936. Serial No. 385,375. PUBLISHED MARCH 23, 1937. Class 23.

346,547. TRAVELING CASES. PHILIP FLORIN, INC., New York, N. Y.
Filed November 13, 1936. Serial No. 385,477. PUBLISHED MARCH 23, 1937. Class 3.

346,548. LUBRICATING GREASE DISPENSING APPARATUS WHEREBY LUBRICANTS MAY BE DISPENSED UNDER PRESSURE. CHARLES A. GREEN, Philadelphia, Pa.
Filed November 13, 1936. Serial No. 385,480. PUBLISHED MARCH 23, 1937. Class 23.

346,549. GEARS AND GEAR FORGINGS. FROST GEAR AND FORGE COMPANY, Jackson, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan.
Filed November 16, 1936. Serial No. 385,576. PUBLISHED MARCH 23, 1937. Class 23.

346,550. BAKERY GOODS—NAMELY, BREAD. GROVER N. LESAGE, Coffeyville, Kans.
Filed November 16, 1936. Serial No. 385,590. PUBLISHED MARCH 16, 1937. Class 46.

346,551. MEN'S AND BOYS' GARMENTS—NAMELY, WORK SHIRTS. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed November 16, 1936. Serial No. 385,607. PUBLISHED MARCH 23, 1937. Class 39.

346,552. WOMEN'S AND MISSES' HOUSE APRONS, UNIFORMS, SMOCKS, HOUSE FROCKS, AND REEFERS. ROSELLE FROCKS MANUFACTURING CO., INC., New York, N. Y.
Filed November 16, 1936. Serial No. 385,608. PUBLISHED MARCH 23, 1937. Class 39.

346,553. RAINCOATS, VESTS, JACKETS, AND WINDBREAKERS FOR MEN AND BOYS. COSMOPOLITAN MANUFACTURING CO., INC., Cambridge, Mass.
Filed November 18, 1936. Serial No. 385,662. PUBLISHED MARCH 23, 1937. Class 39.

346,554. SAPONACEOUS MATERIAL HAVING INCIDENTAL WATER SOFTENING PROPERTIES FOR FORMING BUBBLES. B & L LABORATORIES, INC., Chicago, Ill.
Filed November 20, 1936. Serial No. 385,773. PUBLISHED MARCH 30, 1937. Class 4.

346,555. LIQUID AND CAKE SOAP AND TYPEWRITER TYPE AND PLATEN CLEANER. DITTO, INCORPORATED, Chicago, Ill.
Filed November 21, 1936. Serial No. 385,836. PUBLISHED MARCH 30, 1937. Class 4.

346,556. WOMEN'S GARMENTS—NAMELY, COMBINATION OF VEST AND KNICKERS, UNION SUITS, VESTS, PANTIES, KNICKERS, RIDING PANTS, STEP-INS, PETTICOATS, ETC. JOHN SMEDLEY, LIMITED, Lea Mills, near Matlock, Derbyshire, England.
Filed November 23, 1936. Serial No. 385,907. PUBLISHED MARCH 23, 1937. Class 39.

346,557. BOOKS, PARTICULARLY DICTIONARIES PUBLISHED FROM TIME TO TIME. G. & C. MERRIAM COMPANY, Springfield, Mass.
Filed November 25, 1936. Serial No. 385,987. PUBLISHED MARCH 16, 1937. Class 38.

346,558. COSMETICS—NAMELY, NAIL POLISH, NAIL POLISH REMOVER, CUTICLE OIL, CUTICLE REMOVER, LIQUID NAIL WHITE, FINGER NAIL PENCILS, NAIL POLISH REMOVING CREAM, MANICURE CREAM, ETC. FRANZ NEUSCHAEFER, doing business as Plat-Num Laboratories, New York, N. Y.
Filed November 28, 1936. Serial No. 386,081. PUBLISHED MARCH 16, 1937. Class 6.

346,559. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. T. J. PENDERGAST WHOLESALE LIQUOR CO. INC., Kansas City, Mo.
Filed December 3, 1936. Serial No. 386,268. PUBLISHED MARCH 23, 137. Class 49.

346,560. FUR SKINS. BERNARD RABINOWITZ FUR CORPORATION, New York, N. Y.
Filed December 5, 1936. Serial No. 386,377. PUBLISHED MARCH 23, 1937. Class 1.

346,561. PREPARATIONS CONTAINING CALCIUM, PHOSPHORUS, AND VITAMIN D. E. R. SQUIBB & SONS, New York, N. Y.
Filed December 5, 1936. Serial No. 386,380. PUBLISHED MARCH 16, 1937. Class 6.

346,562. JEWELRY FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES. INDESTRUCTIBLE PEARL BEAD MAKERS INC., New York, N. Y.
Filed December 7, 1936. Serial No. 386,428. PUBLISHED MARCH 23, 1937. Class 28.

346,563. WATER-PROOFING COMPOUND FOR SHOES AND ARTICLES MADE OF LEATHER. MIDWAY CHEMICAL CO., Chicago, Ill.
Filed December 7, 1936. Serial No. 386,438. PUBLISHED MARCH 23, 1937. Class 4.

346,564. EDIBLE OILS. LO PRESTI FOOD PRODUCTS CO., Chicago, Ill.
Filed December 9, 1936. Serial No. 386,544. PUBLISHED MARCH 23, 1937. Class 46.

346,565. CHOCOLATE SYRUP USED FOR FLAVORING MILK. SLIK CORPORATION OF AMERICA, New York, N. Y.
Filed December 9, 1936. Serial No. 386,559. PUBLISHED MARCH 23, 1937. Class 46.

346,566. AUTOMOBILE TOPS. AUTO-RAPID PRODUCTS CORPORATION, New York, N. Y.
Filed December 5, 1936. Serial No. 386,566. PUBLISHED MARCH 23, 1937. Class 19.

346,567. CREAM FOR DERMATO-THERAPEUTICAL MEDICATION. CHARLES ROSSBERG, JR., Baltimore, Md.
Filed December 8, 1936. Serial No. 386,569. PUBLISHED MARCH 16, 1937. Class 6.

346,568. SELF LOCKING CONTAINER FOR USE IN BUILDING CONSTRUCTION MATERIALS, ETC. ALBERT ST. ARNAULD, Detroit, Mich.
Filed December 11, 1936. Serial No. 386,664. PUBLISHED MARCH 23, 1937. Class 12.

346,569. GENERAL CLEANING COMPOUND HAVING INCIDENTAL PROPERTIES AS A WATER SOFTENER, DISINFECTANT, AND DEODORIZER. VITO GIANNOLA, doing business as Super Nu-Wash Cleanser Co., St. Louis, Mo.
Filed December 12, 1936. Serial No. 386,679. PUBLISHED MARCH 9, 1937. Class 4.

346,570. DRIED BEANS AND BAKING POWDER. FOOD PRODUCTS CO. OF AMERICA, Chicago, Ill.
Filed December 14, 1936. Serial No. 386,728. PUBLISHED MARCH 16, 1937. Class 46.

346,571. PHOTOGRAPHS. HARRIS & EWING, Washington, D. C.
Filed December 16, 1936. Serial No. 386,803. PUBLISHED MARCH 23, 1937. Class 38.

346,572. PLYWOOD AND VENEER. I. F. LAUCKS, INC., Seattle, Wash.
Filed December 16, 1936. Serial No. 386,808. PUBLISHED MARCH 16, 1937. Class 12.

346,573. HOSIERY. THE LION CORPORATION, Buffalo, N. Y.
Filed December 18, 1936. Serial No. 386,899. PUBLISHED MARCH 23, 1937. Class 39.

346,574. JEWELRY CONTAINING PRECIOUS AND SEMI-PRECIOUS STONES FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. ROTHMAN & BADEN, INC., New York, N. Y.
Filed December 12, 1936. Serial No. 386,973. PUBLISHED MARCH 23, 1937. Class 28.

346,575. PERIODICAL. BAR & GRILL PUBLICATIONS INC., New York, N. Y.
Filed December 21, 1936. Serial No. 386,977. PUBLISHED MARCH 23, 1937. Class 38.

346,576. FLUID SEALS CONSTRUCTED AT LEAST PARTIALLY OF METAL FOR USE BETWEEN SHAFT MEANS AND RELATIVELY ROTATABLE HOUSING BORE MEANS CONTAINING SAID SHAFT MEANS. MIDLAND SALES COMPANY, Providence, R. I.
Filed December 21, 1936. Serial No. 387,002. PUBLISHED MARCH 23, 1937. Class 35.

346,577. MINERAL WOOL OR SIMILAR THERMAL INSULATION MATERIAL. THE FLINTKOTE COMPANY, New York, N. Y.
Filed December 22, 1936. Serial No. 387,036. PUBLISHED MARCH 23, 1937. Class 12.

346,578. BEARINGS CONSTRUCTED AT LEAST PARTIALLY OF METAL FOR USE BETWEEN SHAFT MEANS AND RELATIVELY ROTATABLE HOUSING BORE MEANS CONTAINING SAID SHAFT MEANS. MIDLAND SALES COMPANY, Providence, R. I.
Filed December 22, 1936. Serial No. 387,046. PUBLISHED MARCH 23, 1937. Class 23.

346,579. CLAMPS—NAMELY, C-CLAMPS AND MACHINISTS' CLAMPS; PIPE TOOLS—NAMELY, PIPE WRENCHES, PIPE TONGS, CHAIN WRENCHES, CHAIN TONGS, CHAIN PIPE WRENCHES, CHAIN PIPE TONGS, PIPE VISES, AND CHAIN PIPE VISES. J. H. WILLIAMS & CO., Buffalo, N. Y.
Filed December 23, 1936. Serial No. 387,098. PUBLISHED MARCH 23, 1937. Class 23.

346,580. MAGAZINE COLUMN. THE CROWELL PUBLISHING COMPANY, New York, N. Y.
Filed December 24, 1936. Serial No. 387,116. PUBLISHED MARCH 23, 1937. Class 38.

346,581. INSECTICIDES AND PREPARATIONS FOR CONTROL OF PLANT PESTS. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed December 24, 1936. Serial No. 387,120. PUBLISHED MARCH 2, 1937. Class 6.

346,582. BEDBUG DESTROYER. B. HELLER & COMPANY, Chicago, Ill.
Filed December 24, 1936. Serial No. 387,128. PUBLISHED MARCH 16, 1937. Class 6.

346,583. TABLE GAME PLAYED WITH A SPINNING DEVICE. RECREATION EQUIPMENT CO., Denver, Colo.
Filed December 24, 1936. Serial No. 387,143. PUBLISHED MARCH 23, 1937. Class 22.

346,584. COAL. KENTUCKY BOONE COAL COMPANY, Chicago, Ill.
Filed December 28, 1936. Serial No. 387,190. PUBLISHED MARCH 23, 1937. Class 1.

346,585. COAL. KENTUCKY BOONE COAL COMPANY, Chicago, Ill.
Filed December 28, 1936. Serial No. 387,191. PUBLISHED MARCH 23, 1937. Class 1.

346,586. TOOTH POWDER. GEORGE B. TERRELL, doing business as T and T Tooth Powder Company, Flushing, N. Y.
Filed December 28, 1936. Serial No. 387,229. PUBLISHED MARCH 16, 1937. Class 6.

346,587. MACHINERY FOR CONVEYING CONTAINERS SUCH AS BOTTLES AND FOR FILLING, CAPPING, AND AGITATING SUCH CONTAINERS, AND PARTS OF SUCH MACHINES, BEVERAGE MIXING MACHINES AND PARTS THEREOF, AND APPARATUS FOR CARBONATING LIQUIDS AND PARTS THEREOF. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md.
Filed December 30, 1936. Serial No. 387,269. PUBLISHED MARCH 23, 1937. Class 23.

346,588. AUTOMOBILE BATTERIES. EASTERN BATTERY CORP., Boston, Mass.
Filed December 30, 1936. Serial No. 387,272. PUBLISHED MARCH 23, 1937. Class 21.

346,589. PERFUMES, TOILET WATER, VEGETABLE LOTION, TALCUM POWDER, FACE POWDER, BRILLIANTINE. GUERLAIN PERFUMERY CORPORATION OF DELAWARE, Wilmington, Del., and New York, N. Y.
Filed December 30, 1936. Serial No. 387,275. PUBLISHED MARCH 16, 1937. Class 6.

346,590. POLISH FOR MOTOR-CARS, FURNITURE, AND FINISHED WOOD SURFACES. THE MID-KENT PRODUCTS CO., Larkfield, England.
Filed December 30, 1936. Serial No. 387,284. PUBLISHED MARCH 23, 1937. Class 16.

346,591. RAZOR BLADES. FRANK SPORS, also doing business as Spors Company and Drexel Blade Company, Le Center, Minn.
Filed December 30, 1936. Serial No. 387,291. PUBLISHED MARCH 23, 1937. Class 23.

346,592. SWEATER SPORT COATS, SWEATERS, BATHING SUITS, KNIT SCARFS. PRUDENTIAL KNITTING MILLS, Philadelphia, Pa.
Filed December 28, 1936. Serial No. 387,302. PUBLISHED MARCH 23, 1937. Class 39.

346,593. MATTRESSES. DE WITT-SEITZ CO., Duluth, Minn.
Filed December 30, 1936. Serial No. 387,304. PUBLISHED MARCH 23, 1937. Class 32.

346,594. MEN'S AND YOUNG MEN'S CLOTHING—NAMELY, COATS, VESTS, PANTS, SUITS, TOP COATS, AND OVERCOATS. J. FRIEDMAN & CO., New York, N. Y.
Filed December 31, 1936. Serial No. 387,321. PUBLISHED MARCH 23, 1937. Class 39.

346,595. SKIN PROTECTING AND BEAUTIFYING PREPARATION. LENTHERIC, INCORPORATED, New York, N. Y.
Filed December 31, 1936. Serial No. 387,329. PUBLISHED MARCH 16, 1937. Class 6.

346,596. CRACKERS, BISCUITS, AND CAKES. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y.
Filed December 31, 1936. Serial No. 387,336. PUBLISHED MARCH 23, 1937. Class 46.

346,597. MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS, AND BOYS' SHIRTS. VICTOR MERCANTILE CO., Los Angeles, Calif.
Filed December 31, 1936. Serial No. 387,358. PUBLISHED MARCH 23, 1937. Class 39.

346,598. TOILET PREPARATION FOR HIDING SKIN BLEMISHES. W. F. STRAUB & COMPANY, Chicago, Ill.
Filed December 24, 1936. Serial No. 387,360. PUBLISHED MARCH 23, 1937. Class 6.

346,599. SHAVING CREAM. ASHWORTH ADVERTISING COMPANY, INCORPORATED, New York, N. Y.
Filed January 2, 1937. Serial No. 387,363. PUBLISHED MARCH 23, 1937. Class 4.

346,600. ORNAMENTAL RECEPTACLES MOLDED OF WOOD PULP COMPOSITION OR OTHER SUITABLE MOLDABLE MATERIAL, IN THE FORM OF A FIGURE FOR THE RECEPTION OF BOTTLES. BARIONETTE COMPANY, INC., Long Island City, N. Y.
Filed January 2, 1937. Serial No. 387,364. PUBLISHED MARCH 23, 1937. Class 2.

346,601. ORNAMENTAL RECEPTACLES MOLDED OF WOOD PULP COMPOSITION OR OTHER SUITABLE MOLDABLE MATERIAL IN THE FORM OF A FIGURE FOR THE RECEPTION OF BOTTLES. BARIONETTE COMPANY, INC., Long Island City, N. Y.
Filed January 2, 1937. Serial No. 387,365. PUBLISHED MARCH 23, 1937. Class 2.

346,602. ORNAMENTAL RECEPTACLES MOLDED OF WOOD PULP COMPOSITION OR OTHER SUITABLE MOLDABLE MATERIAL, IN THE FORM OF A FIGURE FOR THE RECEPTION OF BOTTLES. BARIONETTE COMPANY, INC., Long Island City, N. Y.
Filed January 2, 1937. Serial No. 387,366. PUBLISHED MARCH 23, 1937. Class 2.

346,603. ORNAMENTAL RECEPTACLES MOLDED OF WOOD PULP COMPOSITION OR OTHER SUITABLE MOLDABLE MATERIAL, IN THE FORM OF A FIGURE FOR THE RECEPTION OF BOTTLES. BARIONETTE COMPANY, INC., Long Island City, N. Y.
Filed January 2, 1937. Serial No. 387,367. PUBLISHED MARCH 23, 1937. Class 2.

346,604. TEA. THE GEO. F. HELLICK COFFEE COMPANY, Easton, Pa.
Filed January 4, 1937. Serial No. 387,440. PUBLISHED MARCH 23, 1937. Class 46.

346,605. DETERGENT COMPOSITION CONSISTING MAINLY OF SODIUM META SILICATE WITH OR WITHOUT OTHER ALKALIES. THE COWLES DETERGENT COMPANY, Cleveland, Ohio.
Filed January 6, 1937. Serial No. 387,498. PUBLISHED MARCH 23, 1937. Class 4.

346,606. HEARING AIDS FOR THE DEAF AND AUDIBLE SIGNAL MAKING ATTACHMENTS FOR HEARING AID DEVICES. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y.
Filed January 6, 1937. Serial No. 387,499. PUBLISHED MARCH 23, 1937. Class 44.

346,607. HARDWOOD VENEER. NICKEY BROTHERS, INC., Memphis, Tenn.
Filed January 6, 1937. Serial No. 387,510. PUBLISHED MARCH 23, 1937. Class 12.

346,608. PERIODICAL. PROFESSIONAL PUBLICATIONS, INC., Minneapolis, Minn.
Filed January 7, 1937. Serial No. 387,559. PUBLISHED MARCH 23, 1937. Class 38.

346,609. PERFUMES, TOILET WATERS, EAU DE COLOGNES, FACE POWDERS, DUSTING POWDERS, BATH POWDERS, SACHET POWDERS, AND TALCUM POWDERS. RALLET CORPORATION OF AMERICA, Wilmington, Del.
Filed January 7, 1937. Serial No. 387,560. PUBLISHED MARCH 23, 1937. Class 6.

346,610. CASTOR OIL LAXATIVE. DAVID POLL, doing business as Almar Chemical Co., New York, N. Y.
Filed January 8, 1937. Serial No. 387,596. PUBLISHED MARCH 23, 1937. Class 6.

346,611. LITHOGRAPHED, PRINTED, AND MECHANICALLY REPRODUCED PICTURES AND REPRESENTATIONS. UNITED STATES PRINTING AND LITHOGRAPH COMPANY, Cincinnati, Ohio.
Filed January 9, 1937. Serial No. 387,636. PUBLISHED MARCH 23, 1937. Class 38.

346,612. OIL BURNER. LEWIS S. WAGLE, doing business as Econ-O-Heat Burner & Boiler Co., Metuchen, N. J.
Filed January 9, 1937. Serial No. 387,637. PUBLISHED MARCH 23, 1937. Class 34.

346,613. COUGH SYRUP. CHICAGO PHARMACAL CO., Chicago, Ill.
Filed January 11, 1937. Serial No. 387,657. PUBLISHED MARCH 16, 1937. Class 6.

346,614. FLOOR COVERING OF THE HARD-SURFACED FLEXIBLE TYPE HAVING A DECORATIVE WEARING LAYER OF POWDERED WOOD AND/OR CORK AND BINDER. BIRD & SON, INC., East Walpole, Mass.
Filed February 9, 1937. Serial No. 388,668. PUBLISHED MARCH 23, 1937. Class 20.

346,615. PERIODICAL. THE GROCERS' SPOTLIGHT, Detroit, Mich.
Filed January 11, 1937. Serial No. 387,691. PUBLISHED MARCH 16, 1937. Class 38.

346,616. MAGAZINES PUBLISHED EVERY MONTH. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed January 12, 1937. Serial No. 387,700. PUBLISHED MARCH 16, 1937. Class 38.

346,617. CARDS BEARING LETTERS AND ADAPTED FOR USE IN PLAYING A GAME LIKE LOTTO. ROBERT KESLER, New Hope, Pa.
Filed January 12, 1937. Serial No. 387,705. PUBLISHED MARCH 23, 1937. Class 22.

346,618. HEAD PRODUCTION AND RETENTION COMPOUND FOR USE IN ALE AND BEER. WHITEHURST CHEMICAL RESEARCH CORPORATION, New York, N. Y.
Filed January 12, 1937. Serial No. 387,720. PUBLISHED MARCH 23, 1937. Class 48.

346,619. BEVERAGE-CLEARING COMPOUND FOR ALE AND BEER. WHITEHURST CHEMICAL RESEARCH CORPORATION, New York, N. Y.
Filed January 12, 1937. Serial No. 387,721. PUBLISHED MARCH 23, 1937. Class 48.

346,620. ASPHALT. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed January 13, 1937. Serial No. 387,758. PUBLISHED MARCH 23, 1937. Class 12.

346,621. GUMMED PAPERS, AND WRAPPING PAPER. WORTENDYKE MANUFACTURING COMPANY, Richmond, Va.
Filed January 13, 1937. Serial No. 387,766. PUBLISHED MARCH 23, 1937. Class 37.

346,622. SWIM TRUNKS. COOPERS, INCORPORATED, Kenosha, Wis.
Filed January 14, 1937. Serial No. 387,778. PUBLISHED MARCH 23, 1937. Class 39.

346,623. CLOTHING AND ACCESSORIES—NAMELY, MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, TUXEDOS, DRESS SUITS, MORNING COATS, SPORT SUITS, TOPCOATS. LUDGATES, LTD., New York, N. Y.
Filed January 14, 1937. Serial No. 387,792. PUBLISHED MARCH 23, 1937. Class 39.

346,624. MEDICINES USED IN BACTERIAL INFECTIONS DUE TO HEMOLYTIC STREPTOCOCCI. MERCK & CO. INC., Rahway, N. J.
Filed January 14, 1937. Serial No. 387,795. PUBLISHED MARCH 23, 1937. Class 6.

346,625. LADIES' SPORT SHIRTS, PLAY SUITS, BLOUSES, AND PAJAMAS. SAMUEL FOX, New York, N. Y.
Filed January 15, 1937. Serial No. 387,823. PUBLISHED MARCH 23, 1937. Class 39.

346,626. PLYWOOD. HARBOR PLYWOOD CORPORATION, Hoquiam, Wash.
Filed January 15, 1937. Serial No. 387,828. PUBLISHED MARCH 23, 1937. Class 12.

346,627. COMBINATION SCREW CAPS AND DROPPERS FOR BOTTLES. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed January 15, 1937. Serial No. 387,833. PUBLISHED MARCH 23, 1937. Class 50.

346,628. PIECE GOODS CONSISTING IN WHOLE OR IN PART OF PURE OR WEIGHTED SILK, RAYON, SYNTHETIC YARN, OR WOOL. THE SCHWARZENBACH HUBER CO., New York, N. Y.
Filed January 15, 1937. Serial No. 387,841. PUBLISHED MARCH 23, 1937. Class 42.

346,629. ROCK WOOL PRODUCTS FOR INSULATION PURPOSES—NAMELY, LOOSE WOOL, GRANULATED WOOL, AND SHEET WOOL. UNION ROCK WOOL CORP., Wabash, Ind.
Filed January 15, 1937. Serial No. 387,843. PUBLISHED MARCH 23, 1937. Class 12.

346,630. NEWSPAPER COLUMN OR DEPARTMENT. ALICE HUGHES, New York, N. Y.
Filed January 16, 1937. Serial No. 387,868. PUBLISHED MARCH 23, 1937. Class 38.

346,631. NEWSPAPER COLUMN OR DEPARTMENT. ALICE HUGHES, New York, N. Y.
Filed January 16, 1937. Serial No. 387,869. PUBLISHED MARCH 23, 1937. Class 38.

346,632. COFFEE, TEA, AND COCOA. OLD DUTCH MILLS, INC., New York, N. Y.
Filed January 16, 1937. Serial No. 387,876. PUBLISHED MARCH 23, 1937. Class 46.

346,633. ANTI-FREEZE SOLUTION. REFINERS LUBRICATING COMPANY, INC., New York, N. Y.
Filed January 16, 1937. Serial No. 387,877. PUBLISHED MARCH 23, 1937. Class 6.

346,634. PORTRAITS, PAINTINGS, PICTURES, DRAWINGS, AND MINIATURES. FINE ARTS ASSOCIATION, Chicago, Ill.
Filed January 18, 1937. Serial No. 387,895. PUBLISHED MARCH 23, 1937. Class 38.

346,635. DENATURED ALCOHOL. PACIFIC DISTILLERS, INC., Culver City, Calif.
Filed January 18, 1937. Serial No. 387,918. PUBLISHED MARCH 23, 1937. Class 6.

346,636. PERIODICAL, AT PRESENT PUBLISHED MONTHLY. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed January 18, 1937. Serial No. 387,928. PUBLISHED MARCH 23, 1937. Class 38.

346,637. BUILDING BRICKS, ADOBE BRICKS. AMERICAN BITUMULS COMPANY, Wilmington, Del., and San Francisco, Calif.
Filed January 19, 1937. Serial No. 387,933. PUBLISHED MARCH 23, 1937. Class 12.

346,638. NEWSPAPER COLUMN. THE PHILADELPHIA INQUIRER COMPANY, Philadelphia, Pa.
Filed January 19, 1937. Serial No. 387,951. PUBLISHED MARCH 23, 1937. Class 38.

346,639. PAPER BAGS AND BOXES. ATLANTA PAPER COMPANY, Atlanta, Ga.
Filed January 21, 1937. Serial No. 387,971. PUBLISHED MARCH 23, 1937. Class 2.

346,640. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND CONCENTRATES USED IN MAKING THE SAME. BIRELEY'S, INC., Hollywood, Calif.
Filed January 21, 1937. Serial No. 387,980. PUBLISHED MARCH 23, 1937. Class 45.

346,641. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME. CLICQUOT CLUB COMPANY, Millis, Mass.
Filed January 21, 1937. Serial No. 387,986. PUBLISHED MARCH 23, 1937. Class 45.

346,642. TEA BALLS AND TEA. EPPENS, SMITH COMPANY, INC., New York, N. Y.
Filed January 21, 1937. Serial No. 387,994. PUBLISHED MARCH 23, 1937. Class 46.

346,643. REFRACTORY BRICKS, REFRACTORY PLASTICS, AND REFRACTORY CEMENTS. E. J. LAVINO AND COMPANY, Philadelphia, Pa.
Filed January 21, 1937. Serial No. 388,009. PUBLISHED MARCH 23, 1937. Class 12.

346,644. POSE REFLECTING MIRROR SYSTEMS. MIRAFLEX, INC., New Haven, Conn.
Filed January 21, 1937. Serial No. 388,017. PUBLISHED MARCH 23, 1937. Class 32.

346,645. BATHING SUITS, SWEATERS, AND POLO SHIRTS. BERNARD STOUMEN, doing business as Fairplay Knitting Mills, Philadelphia, Pa.
Filed January 21, 1937. Serial No. 388,033. PUBLISHED MARCH 23, 1937. Class 39.

346,646. PHARMACEUTICAL PREPARATION FOR USE IN OBSTETRICS AND GYNECOLOGY AND OTHER CONDITIONS AMENABLE TO ERGOT THERAPY. SANDOZ CHEMICAL WORKS, INC., New York, N. Y.
Filed January 22, 1937. Serial No. 388,071. PUBLISHED MARCH 23, 1937. Class 6.

346,647. PHOTOGRAPHIC CAMERAS AND FILMS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed January 23, 1937. Serial No. 388,092. PUBLISHED MARCH 23, 1937. Class 26.

346,648. INSECTICIDES. THE BLACK FLAG COMPANY, Baltimore, Md.
Filed January 25, 1937. Serial No. 388,118. PUBLISHED MARCH 23, 1937. Class 6.

346,649. HOSE MADE OF RUBBER AND FABRIC. PIONEER RUBBER MILLS, San Francisco, Calif.
Filed January 25, 1937. Serial No. 388,142. PUBLISHED MARCH 23, 1937. Class 35.

346,650. FRUIT JUICES (FOR BEVERAGE PURPOSES). SUSSMAN, WORMSER & CO., San Francisco, Calif.
Filed January 25, 1937. Serial No. 388,150. PUBLISHED MARCH 23, 1937. Class 45.

346,651. PAINT THINNERS AND MINERAL SPIRITS USED AS A DILUENT AND TURPENTINE SUBSTITUTE. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed January 25, 1937. Serial No. 388,157. PUBLISHED MARCH 23, 1937. Class 16.

346,652. KITCHEN CABINETS. WHITEHEAD METAL PRODUCTS COMPANY OF NEW YORK, INC., New York, N. Y.
Filed January 25, 1937. Serial No. 388,168. PUBLISHED MARCH 23, 1937. Class 32.

346,653. VEGETABLE AND FRUIT JUICE EXTRACTORS. THE ENTERPRISE MANUFACTURING COMPANY OF PENNSYLVANIA, Philadelphia, Pa.
Filed January 27, 1937. Serial No. 388,230. PUBLISHED MARCH 23, 1937. Class 23.

346,654. FROZEN CONFECTIONS. RUSSELL S. SHERER, Akron, Ohio.
Filed January 27, 1937. Serial No. 388,245. PUBLISHED MARCH 23, 1937. Class 46.

346,655. COTTON PIECE GOODS. JOSEPH BANCROFT & SONS CO., Rockford, Wilmington, Del.
Filed January 28, 1937. Serial No. 388,255. PUBLISHED MARCH 23, 1937. Class 42.

346,656. RAZOR BLADES. CLUB RAZOR & BLADE MANUFACTURING CORPORATION, Newark, N. J.
Filed January 28, 1937. Serial No. 388,259. PUBLISHED MARCH 23, 1937. Class 23.

346,657. PREPARED FOOD PRODUCTS—NAMELY, PICKLED FISH, PICKLED SHRIMPS, PICKLED PIGS FEET, SHRIMP COCKTAILS, OYSTER COCKTAILS, PICKLED TONGUES, AND PIGS FEET COCKTAILS. MEYER J. SALOMON, doing business as Canhall and also as Canhall Packing Company, Chicago, Ill.
Filed January 28, 1937. Serial No. 388,280. PUBLISHED MARCH 23, 1937. Class 46.

346,658. POULTRY FEEDS. ALBERS BROS. MILLING CO., San Francisco, Los Angeles, Sacramento, Oakland, Riverside, Fresno, and San Jose, Calif.; Seattle, Tacoma, and Spokane, Wash.; and Portland, Oreg.
Filed January 29, 1937. Serial No. 388,298. PUBLISHED MARCH 23, 1937. Class 46.

346,659. LIQUID RUBLESS FLOOR WAX AND FURNITURE POLISH. DERRIS, INC., New York, N. Y.
Filed February 1, 1937. Serial No. 388,391. PUBLISHED MARCH 23, 1937. Class 16.

346,660. HANDCUFFS. PEERLESS HANDCUFF COMPANY, Springfield, Mass.
Filed February 2, 1937. Serial No. 388,463. PUBLISHED MARCH 23, 1937. Class 25.

346,661. CARD GAMES AND CARDS FOR PLAYING SAID GAMES. EDWARD G. SMITH, New York, N. Y.
Filed February 2, 1937. Serial No. 388,464. PUBLISHED MARCH 23, 1937. Class 22.

346,662. FILM VIEW TOY. ISAAC E. GOLDMAN, doing business as Parrot Distributing Company, Des Moines, Iowa.
Filed February 3, 1937. Serial No. 388,499. PUBLISHED MARCH 23, 1937. Class 22.

346,663. FLOOR COVERING OF THE HARD-SURFACED FLEXIBLE TYPE HAVING A DECORATIVE WEARING LAYER OF POWDERED WOOD AND/OR CORK AND BINDER. BIRD & SON, INC., East Walpole, Mass.
Filed February 5, 1937. Serial No. 388,559. PUBLISHED MARCH 23, 1937. Class 20.

346,664. FOUNTAIN AND DOUCHE SYRINGES. THE MARVEL COMPANY, New Haven, Conn.
Filed February 6, 1937. Serial No. 388,617. PUBLISHED MARCH 23, 1937. Class 44.

346,665. FISHING LINE FLOATS. HOOSIER BAIT COMPANY, Kokomo, Ind.
Filed February 8, 1937. Serial No. 388,642. PUBLISHED MARCH 23, 1937. Class 22.

346,666. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed February 10, 1937. Serial No. 388,723. PUBLISHED MARCH 23, 1937. Class 22.

346,667. WATCHES. THE WATERBURY CLOCK COMPANY, Waterbury, Conn.
Filed February 10, 1937. Serial No. 388,738. PUBLISHED MARCH 23, 1937. Class 27.

346,668. WATCHES. THE WATERBURY CLOCK COMPANY, Waterbury, Conn.
Filed February 10, 1937. Serial No. 388,739. PUBLISHED MARCH 23, 1937. Class 27.

346,669. ARTIFICIAL FISH BAIT. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed February 11, 1937. Serial No. 388,771. PUBLISHED MARCH 23, 1937. Class 22.

346,670. WHISKEY. WOODFORD COUNTY DISTILLERY CO., Midway, Ky.
Filed February 11, 1937. Serial No. 388,813. PUBLISHED MARCH 23, 1937. Class 49.

346,671. WHISKEY. WOODFORD COUNTY DISTILLERY CO., Midway, Ky.
Filed February 11, 1937. Serial No. 388,814. PUBLISHED MARCH 23, 1937. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

346,672. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) NO-KAP CLOSURES (U. S. A.) INC., Providence, R. I. Filed Feb. 19, 1937. Serial No. 389,145.

NO KAP

For Nozzle Closure Means for Containers, Tubes, Cans, and the Like.
Claims use since Mar. 26, 1935.

346,673. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE GOSHEN MANUFACTURING CO., Goshen, Ind. Filed Feb. 15, 1937. Serial No. 388,934.

GOSHEN-GLIDE

For Settees.
Claims use since Feb. 1, 1936.

346,674. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) DAVIES AIR FILTER CORPORATION, New York, N. Y. Filed Oct. 19, 1936. Serial No. 384,515.

FILTERAIRE

For Forced Draft Ventilators and Air Filters Therefor.
Claims use since May 1, 1930.

346,675. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn. Filed Oct. 5, 1936. Serial No. 383,978.

HARRIS
TEXTURE WEAVE

For Woven Textile Rugs and Carpets.
Claims use since Sept. 9, 1935.

346,676. (CLASS 2. RECEPTACLES.) ENDURO-TEX COMPANY, Los Angeles, Calif. Filed June 29, 1936. Serial No. 380,394.

SEALSAC

For General Utility Bags Made from "Cellophane" Material, and Also Made from a Secret Processed Water-Proofed Silk.
Claims use since Jan. 10, 1936.

346,677. (CLASS 11. INKS AND INKING MATERIALS.) F. S. WEBSTER COMPANY, Cambridge, Mass. Filed June 10, 1936. Serial No. 379,541.

NON-SKID

For Carbon Paper.
Claims use since Apr. 10, 1936.

346,678. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex. Filed May 19, 1936. Serial No. 378,634.

SUREBRITE

For Ready-Mixed Paints, Stains, Varnish, Varnish Stain, Outside Spar Varnish, Paint for Street Marking, Stack and Boiler Paint, Industrial White, Paint Enamels, Aluminum Paint, Screen Enamel, Paint Adapted for Brick, Stone, and Cement Surfaces, Wall Paint, Wall Size, Flat Paint, Barn Paint, and Iron Black.
Claims use since Apr. 7, 1936.

346,679. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Apr. 30, 1936. Serial No. 377,835.

A-1

For Soap.
Claims use since Apr. 13, 1936.

346,680. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNNY HILLS RANCH, INC., doing business as Sunny Hills Citrus Assn., Fullerton, Calif. Filed Apr. 28, 1936. Serial No. 377,755.

VALUABLE

For Fresh Citrus Fruit.
Claims use since Apr. 14, 1936.

346,681. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE FIRMAN L. CARSWELL MANUFACTURING COMPANY, Kansas City, Kans. Filed Apr. 23, 1936. Serial No. 377,543.

ReStoreOil

For Machines for Treating Crank Case Oil.
Claims use since Mar. 31, 1936.

346,682. (CLASS 39. CLOTHING.) RUTH STUART WHEELER, doing business as The Children's House, Boston, Mass. Filed Apr. 11, 1936. Serial No. 377,201.

Children's House

For Children's Clothing—Namely, Dresses, Suits, Coats, Underwear, Neckties, Hats, and Stockings.
Claims use since Mar. 27, 1936.

346,683. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SUPERIOR LABORATORIES, INC., Cleveland, Ohio. Filed Apr. 6, 1936. Serial No. 376,874.

HELEN WHITNEY

Cleveland, O.

For Face Powder and Cold Cream.
Claims use since Mar. 18, 1936.

346,684. (CLASS 39. CLOTHING.) ROSENBERG BROTHERS SLIPPER COMPANY, INC., Norwalk, Conn. Filed Feb. 4, 1936. Serial No. 374,482.

FITAFUT

The word "Slippers" is disclaimed apart from the mark.
For Shoes and Slippers of Leather, Rubber, Fabric, and of Combinations of These Materials.
Claims use since Jan. 27, 1936.

346,685. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) PACIFIC AMUSEMENT MANUFACTURING CO., Chicago, Ill. Filed July 5, 1935. Serial No. 366,997.

CONDITIONAIRE

For Air Conditioning Units.
Claims use since June 1, 1935.

346,686. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) AMERICAN AUTOMATIC DEVICES CO., Chicago, Ill. Filed May 13, 1935. Serial No. 364,847.

HY-POWER

For Vehicle and Roadside Safety Reflecting Signals and Lamp and Signal Reflectors and Lenses.
Claims use since Feb. 20, 1934.

346,687. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM SHOTWELL, doing business as Shotwell Products Company, Huntington, W. Va. Filed Oct. 3, 1934. Serial No. 356,744.

SHOTWELL'S

For Peanuts.
Claims use since June 1, 1934.

346,688. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH FLYNN PREPARATIONS INC., New York, N. Y. Filed Mar. 8, 1937. Serial No. 389,779.

Elizabeth Flynn

For Cosmetics, Lotions, and Toilet Preparations—Namely, Skin Tonic Lotion, Astringent, Liquefying Cleansing Cream, Tissue Cream, and Cold Cream.
Claims use since Mar. 1, 1936.

346,689. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ISIDOR Z. GARFIELD, doing business as Garfield & Co., New York, N. Y. Filed Mar. 3, 1937. Serial No. 389,605.

Garfield's
Seidlitz Powders

For Seidlitz Powders.
Claims use since 1908.

346,690. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa. Filed Mar. 11, 1937. Serial No. 389,907.

PHILBRICK

For Cutters and Cutter Heads for Wood-Working Machines.
Claims use since Dec. 31, 1928.

346,691. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TUFTED FABRICS, INC., New York, N. Y. Filed Mar. 19, 1937. Serial No. 390,287.

PEBBLE-COT

For Rugs.
Claims use since June 6, 1935.

346,692. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TUFTED FABRICS, INC., New York, N. Y. Filed Mar. 19, 1937. Serial No. 390,288.

PEBBLETUFT

For Rugs.
Claims use since Nov. 8, 1935.

346,693. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TUFTED FABRICS, INC., New York, N. Y. Filed Mar. 19, 1937. Serial No. 390,289.

WAFFLETUFT

For Rugs.
Claims use since Mar. 20, 1936.

346,694. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TUFTED FABRICS, INC., New York, N. Y. Filed Mar. 19, 1937. Serial No. 390,290.

WICKTUFT

For Rugs.
Claims use since Apr. 29, 1935.

346,695. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) EVEREADY OIL CO., INC., Philadelphia, Pa. Filed Feb. 12, 1936. Serial No. 374,747.

EVEREADY

For Oil Burners.
Claims use since Oct. 14, 1935.

346,696. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RATH PACKING COMPANY, Waterloo, Iowa. Filed June 12, 1936. Serial No. 379,638.

La Delicioso

For Chili Con Carne.
Claims use since Feb. 16, 1935.

TRADE-MARK REGISTRATIONS RENEWED

14,325. COTTON THREADS AND YARNS OF ALL KINDS. Registered April 26, 1887. ZWIRNEREI & NAEHFADENFABRICK GOEGGINGEN, Augsburg, Germany. Re-renewed April 26, 1937, to Zwirnerei U. Nähfadenfabrik Göggingen, Goggingen bei Augsburg (Bayern), Germany, a corporation of Germany, successor.

14,370. COTTON THREADS AND YARNS OF ALL SORTS. Registered May 10, 1887. ZWIRNEREI & NAEHFADENFABRICK GOEGGINGEN, Augsburg, Germany. Renewed May 10, 1937, to Zwirnerei U. Nähfadenfabrik Göggingen, Goggingen bei Augsburg (Bayern), Germany, a corporation of Germany, successor.

110,174. METAL FENCE-POSTS. Registered May 9, 1916. JANESVILLE BARB WIRE COMPANY. Renewed May 9, 1936, to Janesville Fence & Post Company, Janesville, Wis., a partnership, successor.

111,508. FLAVORING-SYRUP FOR SODA-WATER. Registered July 18, 1916. THE PEPSI-COLA CO., Newbern, N. C. Renewed July 18, 1936, to Pepsi-Cola Company, Long Island City, N. Y., a corporation of Delaware, successor.

112,554. HAIR-DRESSING OINTMENT. Registered September 12, 1916. PEPTOLINE CHEMICAL CO., Bessemer, Ala. Renewed September 12, 1936, to John M. Martin, Birmingham, Ala., successor.

112,823. NON-MEDICINAL TOILET SOAP FOR PRESERVING AND BEAUTIFYING THE SKIN. Registered September 26, 1916. JOHN T. STANLEY. Renewed September 26, 1936, to John T. Stanley Co. Inc., New York, N. Y., a corporation of New York, successor.

116,155. CERTAIN NAMED CANNED FRUITS AND VEGETABLES. Registered April 10, 1917. PRATT-LOW PRESERVING CO., Santa Clara, Calif., a corporation of California. Renewed April 10, 1937.

116,318. CHEESE. Registered April 24, 1917. J. S. HOFFMAN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 24, 1937.

116,319. CHEESE. Registered April 24, 1917. J. S. HOFFMAN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 24, 1937.

116,320. CHEESE. Registered April 24, 1917. J. S. HOFFMAN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 24, 1937.

116,353. FRESH APPLES IN BOXES. Registered April 24, 1917. OKANOGAN GROWERS UNION, Okanogan, Wash., a corporation of Washington. Renewed April 24, 1937.

116,537. PINE-OIL ANTISEPTIC. Registered May 8, 1917. THE WILLIAM S. MERRELL CHEMICAL COMPANY. Renewed May 8, 1937, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Ohio, by change of name.

116,605. FIREWORKS. Registered May 15, 1917. DETWILLER & STREET FIREWORKS MANUFACTURING COMPANY, INC. Renewed May 15, 1937, to Unexcelled Manufacturing Company, Inc., New York, N. Y., a corporation of New York, by merger.

116,607. FIREWORKS. Registered May 15, 1917. DETWILLER & STREET FIREWORKS MANUFACTURING COMPANY. Renewed May 15, 1937, to Unexcelled Manufacturing Company, Inc., New York, N. Y., a corporation of New York, by merger.

116,756. RUBBER TIRES. Registered May 22, 1917. THE FISK RUBBER COMPANY. Renewed May 22, 1937, to The Fisk Rubber Corporation, Chicopee Falls, Mass., a corporation of Delaware, assignee.

116,824. BLOOD REMEDY FOR TREATING CERTAIN NAMED DISEASES. Registered May 29, 1917. COMAR REMEDY COMPANY. Renewed May 29, 1937, to Ora L. Spahr, doing business as Comar Remedy Company, Hot Springs, Ark., successor.

116,870. CERTAIN NAMED CHEMICAL PREPARATIONS. Registered May 29, 1917. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa.; New York, N. Y.; Boston, Mass.; Chicago, Ill.; Brooklyn, N. Y.; Atlanta, Ga.; Cincinnati, Ohio; San Francisco and Oakland, Calif.; Toronto and Montreal, Canada, and Berlin, Germany. Renewed May 29, 1937, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania.

117,153. OLEOMARGARIN. Registered June 19, 1917. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 19, 1937.

117,205. LEMONS, ORANGES, AND GRAPE-FRUIT. Registered June 19, 1917. SAN FERNANDO HEIGHTS LEMON CO., Los Angeles, Calif. Renewed June 19, 1937, to San Fernando Heights Lemon Association, San Fernando, Calif., a corporation of California, assignee.

117,333. WAXEN PREPARATION USED AS A DRESSING FOR BURNS. Registered July 3, 1917. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Renewed July 3, 1937.

117,408. BUTTER AND EGGS. Registered July 10, 1917. S. S. BORDEN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 10, 1937.

117,411. LARD COMPOUND. Registered July 10, 1917. GEO. P. BRAUN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 10, 1937.

117,514. LARD SUBSTITUTE. Registered July 17, 1917. GEO. P. BRAUN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 17, 1937.

117,531. FIREWORKS. Registered July 17, 1917. DETWILLER & STREET FIREWORKS MANUFACTURING COMPANY. Renewed July 17, 1937, to Unexcelled Manufacturing Company, Inc., New York, N. Y., a corporation of New York, by merger.

117,698. NEWSPAPER PUBLICATIONS. Registered July 24, 1917. THE NEWSPAPER ENTERPRISE ASSOCIATION. Renewed July 24, 1937, to NEA Service, Inc., Cleveland, Ohio, a corporation of Delaware, assignee.

117,871. OLEOMARGARIN. Registered August 7, 1917. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 7, 1937.

117,984. PILE FABRICS IN THE PIECE. Registered August 14, 1917. SIDNEY BLUMENTHAL & CO. INC. Renewed August 14, 1937, to Sidney Blumenthal & Co. Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

117,985. PILE FABRICS IN THE PIECE. Registered August 14, 1917. SIDNEY BLUMENTHAL & CO. INC. Renewed August 14, 1937, to Sidney Blumenthal & Co. Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

117,986. PILE-FABRIC SEAL PLUSH IN THE PIECE. Registered August 14, 1917. SIDNEY BLUMENTHAL & CO. INC. Renewed August 14, 1937, to Sidney Blumenthal & Co. Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

118,000. MOUTH-WASHES AND DENTAL WASHES. Registered August 14, 1917. COLGATE & CO., New York, N. Y. Renewed August 14, 1937, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

118,055. CERTAIN NAMED CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF. Registered August 14, 1917. LJUSNE-WOXNA AKTIEBOLAG, Ljusne, Sweden, a joint stock company of Sweden. Renewed August 14, 1937.

118,088. RUST PENETRANT. Registered August 14, 1917. POLYGON PRODUCTS COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed August 14, 1937.

118,162. STRUCTURAL IRON AND STEEL BUILDING MATERIALS. Registered August 21, 1917. CONCRETE ENGINEERING COMPANY, Omaha, Nebr., a corporation of Nebraska. Renewed August 21, 1937.

118,245. WHEAT-FLOUR. Registered August 21, 1917. THE WATERLOO AND CEDAR FALLS UNION MILL COMPANY. Renewed August 21, 1937, to Waterloo Mills Company, Waterloo, Iowa, a firm, assignee.

118,272. MANILA ROPE AND CORDAGE. Registered August 28, 1917. GEO. B. CARPENTER & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 28, 1937.

118,319. MACARONI, SPAGHETTI, AND NOODLES. Registered August 28, 1917. NATIONAL MACARONI COMPANY, Libertyville, Ill., a corporation of Illinois. Renewed August 28, 1937.

118,324. CERTAIN NAMED CLOTHING. Registered August 28, 1917. PACIFIC MILLS, Lawrence and Boston, Mass. Renewed August 28, 1937, to Pacific Mills, Boston, Mass.

118,424. LINIMENTS AND REMEDIES FOR THE TREATMENT OF BRUISES, SORES, INTERNAL AND EXTERNAL, WOUNDS, ABRASIONS. Registered September 4, 1917. CHARLES E. MALEY, Little York, Ill. Renewed September 4, 1937, to Charles E. Maley, Gilson, Ill.

118,534. OLEOMARGARIN. Registered September 18, 1917. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 18, 1937.

118,615. SOAP POWDER. Registered September 25, 1917. B. T. BABBITT, Jersey City, N. J., and New York, N. Y. Renewed September 25, 1937, to Armour and Company of Delaware, Chicago, Ill., a corporation of Delaware, assignee.

118,698. DIRECT AND ALTERNATING CURRENT ELECTRIC MOTORS. Registered September 25, 1917. THE RELIANCE ELECTRIC & ENGINEERING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed September 25, 1937.

118,750. TOILET WATERS, HANDKERCHIEF EXTRACTS, PERFUMED POWDERS AND SACHETS. Registered October 2, 1917. COLGATE & CO., Jersey City, N. J., and New York, N. Y. Renewed October 2, 1937, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

118,762. WATCHES AND WATCH-MOVEMENTS. Registered October 2, 1917. ELGIN NATIONAL WATCH COMPANY, Chicago, Ill. Renewed October 2, 1937, to Elgin National Watch Company, Elgin, Ill.

118,804. CERTAIN NAMED HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES. Registered October 2, 1917. THE F. A. NEIDER COMPANY, Augusta, Ky., a corporation of Kentucky. Renewed October 2, 1937.

118,824. BIMONTHLY PUBLICATION. Registered October 2, 1917. JAMES E. SITTERLEY, New York, N. Y. Renewed October 2, 1937.

118,863. IRON AND BRASS BEDS, CRIBS, BED-SPRINGS, AND COTS. Registered October 9, 1917. CRESCENT BED COMPANY, LTD., New Orleans, La., a corporation of Louisiana. Renewed October 9, 1937.

118,955. TOILET SOAPS, LAUNDRY SOAPS, POWDERED AND LIQUID SOAPS. Registered October 16, 1917. CRYSTAL SOAP COMPANY, Milwaukee, Wis. Renewed October 16, 1937. Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

118,975. NEWSPAPER-SECTION. Registered October 16, 1917. KING FEATURES SYNDICATE, INC., New York, N. Y., a corporation of New York. Renewed October 16, 1937.

118,985. CIGARS. Registered October 16, 1917. L. MICHELSON & BRO., Baltimore, Md., a partnership. Renewed October 16, 1937.

118,986. DETERGENT PREPARATION FOR CLEANING, SCOURING, OR POLISHING. Registered October 16, 1917. ENOCH MORGAN'S SONS COMPANY, New York, N. Y., a corporation of New York. Renewed October 16, 1937.

119,061. WATCHES AND WATCH-MOVEMENTS. Registered October 23, 1917. ELGIN NATIONAL WATCH COMPANY, Chicago, Ill. Renewed October 23, 1937. Elgin National Watch Company, Elgin, Ill., a corporation of Illinois.

LABELS

REGISTERED JUNE 1, 1937

49,346.—*Title:* ADA MILLING COMPANY CORN MEAL. (LIGHT BLUE, DARK BLUE AND RED FORM CHECKERED PATTERN ON WHITE BACKGROUND). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published March 1, 1937.

49,347.—*Title:* ADA MILLING COMPANY CORN MEAL. (WHITE STREAMERED HATS ON RED BACKGROUND). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published March 1, 1937.

49,348.—*Title:* ADA MILLING COMPANY CORN MEAL. (SMALL BLUE, GREEN AND PINK FLOWERS, WHITE FOLIAGE ON MAROON BACKGROUND). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published March 1, 1937.

49,349.—*Title:* ADA MILLING COMPANY CORN MEAL. (ORANGE AND BLUE DAISIES, GREEN FOLIAGE, WHITE CONVENTIONALIZED FLOWERS STREWN ON MAROON BACKGROUND). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published March 1, 1937.

49,350.—*Title:* ADA MILLING COMPANY CORN MEAL (BLACK, PINK, YELLOW, GREEN, MAKE CHECKERED PATTERN ON WHITE BACKGROUND). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published March 1, 1937.

49,351.—*Title:* ATHLETE. For Sweet Milk Chocolate Bar. BACHMAN CHOCOLATE MANUFACTURING COMPANY, Mount Joy, Pa. Published April 15, 1937.

49,352.—*Title:* BATTAT. For Fruit Salad. EZEKIEL M. BATTAT, doing business as Battat Import-Export Company. San Francisco, Calif. Published March 24, 1937.

49,353.—*Title:* BEAR BRAND HOSIERY. For Hosiery. BEAR BRAND HOSIERY CO., Kankakee and Chicago, Ill. Published April 12, 1937.

49,354.—*Title:* FOX MEADOW TWIN ROLLS BUTTER. For Butter. THE BORDEN COMPANY, New York, N. Y. Published January 15, 1937.

49,355.—*Title:* TERRITORIAL DESIGN 274A. For Butter. THE BUTLER PAPER PRODUCTS COMPANY, Toledo, Ohio. Published June 8, 1936.

49,356.—*Title:* BUTTER-KRUST HOME SPUN BREAD. For Bread. BUTTER KRUST BAKING COMPANY, Sunbury, Pa. Published February 17, 1937.

49,357.—*Title:* SWAN. For Paper Drinking Cups. CARPENTER PAPER CO., doing business as Swan Paper Products, Omaha, Nebr. Published January 20, 1937.

49,358.—*Title:* SWAN. For Paper Cups. CARPENTER PAPER CO., doing business as Swan Paper Products, Omaha, Nebr. Published February 22, 1937.

49,359.—*Title:* KARROT TABLE SYRUP. For Table Syrup. CARROT PRODUCTS CO., INC., Fort Worth, Tex. Published March 15, 1937.

49,360.—*Title:* DUFF'S WHITE CAKE MIX. For White Cake Mixture. P. DUFF & SONS, INC., Pittsburgh, Pa. Published February 17, 1937.

49,361.—*Title:* FISCHER'S MÜNCHEN RYE. For Rye Bread. FISCHER BAKING CO., Newark, N. J. Published January 8, 1937.

49,362.—*Title:* SOFTASILK. For Cake Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published April 5, 1937.

49,363.—*Title:* SPECIAL LATE CITY EDITION GOLDEN CRUST BREAD. For Bread. GOTTFRIED BAKING COMPANY, INC., doing business as Gottfried Baking Co., New York, N. Y. Published March 20, 1936.

49,364.—*Title:* FRONT LINE MASTER PAINTERS ENAMEL. For Ready Mixed Enamel Paint. THE HAZARD LEAD WORKS INC., Brooklyn, N. Y. Published April 1, 1937.

49,365.—*Title:* FRONT LINE READY MIXED PAINT. For Ready Mixed Paint. THE HAZARD LEAD WORKS INC., Brooklyn, N. Y. Published April 1, 1937.

49,366.—*Title:* HELLER'S QUICK RELIEF FOR ATHLETE'S FOOT. For a Preparation for Treating Athlete's Foot. A. HELLER, Moultrie, Ga. Published January 26, 1937.

49,367.—*Title:* HOLLYWOOD. For Ladies' Slips. HOLLYWOOD GARMENT CORPORATION, Los Angeles, Calif. Published January 12, 1937.

49,368.—*Title:* SILVER-SWEET. For Syrup. THE HUBINGER CO., Keokuk, Iowa. Published March 29, 1937.

49,369.—*Title:* GOLD-N-SWEET. For Syrup. THE HUBINGER CO., Keokuk, Iowa. Published March 29, 1937.

49,370.—*Title:* INTER-NATIONAL BRAND BITTERS. For Bitters. INTER-NATIONAL LIQUOR COMPANY, INC., Chicago, Ill. Published January 2, 1937.

49,371.—*Title:* INTER-NATIONAL BRAND LIQUEUR. For Liqueur. INTER-NATIONAL LIQUOR COMPANY, INC., Chicago, Ill. Published January 2, 1937.

49,372.—*Title:* RELIEF CUSHIONS. For Metatarsal Callous Cushions. ROSS H. JOHNSON, Indianapolis, Ind. Published September 15, 1935.

49,373.—*Title:* BRANDED LEE RIDERS. For Overalls. THE H. D. LEE MERCANTILE COMPANY, Kansas City, Mo. Published March 16, 1937.

49,374.—*Title:* JO-TO-MANNINGS FINEST GREEN TEA. For Tea. MANNINGS, INC., San Francisco, Calif. Published March 30, 1937.

49,375.—*Title:* RAGU BRAND. For Italian Style Spaghetti Sauce with Mushrooms. JAMES MASSIELO, doing business as Ragu Packing Co., Rochester, N. Y. Published March 22, 1937.

49,376.—*Title:* MURPHY'S PAINT AND WALL CLEANER. For a Paint and Wall Cleaner. THE MURPHY-PHOENIX COMPANY, Cleveland, Ohio. Published September 15, 1936.

49,377.—*Title:* MURPHY'S RUG-CARPET-UPHOLSTERY CLEANER. For a Rug, Carpet and Upholstery Cleaner. THE MURPHY-PHOENIX COMPANY, Cleveland, Ohio. Published June 12, 1936.

49,378.—*Title:* RIDZ DOG REPELLENT. For Compound Designed to Keep Dogs Away from Trees, Shrubbery, and Other Places. MIDWAY CHEMICAL CO., Chicago, Ill. Published November 3, 1936.

49,379.—*Title:* RIDZ SHAMPOO. For Dog Shampoo. MIDWAY CHEMICAL CO., Chicago, Ill. Published November 3, 1936.

49,380.—*Title:* RIDZ FLEA LOTION. For Lotion for Ridding Dogs of Fleas. MIDWAY CHEMICAL CO., Chicago, Ill. Published November 3, 1936.

49,381.—*Title:* PEACOCK. For Ginger Ale. PEACOCK ALE COMPANY, Chicago, Ill. Published January 2, 1937.

49,382.—*Title:* MAJIC PEARLS. For Soap Powder. C. A. PEARSON, INC., St. Paul, Minn. Published January 14, 1937.

49,383.—*Title:* RUTH ROGERS. For Cleansing Cream. ALLEN H. RABIN, doing business as The Rabin Company. Published March 1, 1937.

49,384.—*Title:* AIR-VENT DUST CAP. For Waterproof Silk Dust Caps. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published March 20, 1937.

49,385.—*Title:* R-C-PEACH NECTARINE NECTAR. For Peach Nectar. RICHMOND-CHASE COMPANY, San Jose, Calif. Published March 9, 1937.

49,386.—*Title:* 'SALADA' PURE UNCOLORED GREEN TEA. For Japan Green Tea. SALADA TEA CO., (INC.), Boston, Mass. Published June 9, 1936.

49,387.—*Title:* STRENGTH. For Fresh Oranges. SANTA PAULA ORANGE ASSN., Santa Paula, Calif. Published April 7, 1937.

49,388.—*Title:* SUPER-REST MATTRESS. For Mattresses. SEALY, INCORPORATED, Pittsburgh, Pa. Published March 15, 1937.

49,389.—*Title:* SEALY REST TUFTLESS MATTRESS. For Mattresses. SEALY, INCORPORATED, Pittsburgh, Pa. Published February 11, 1937.

49,390.—*Title:* SEALY AIR-VENT MATTRESS. For Mattresses. SEALY, INCORPORATED, Pittsburgh, Pa. Published April 8, 1937.

49,391.—*Title:* SHU-SHAMPOO. For White Liquid Shoe Polish. TUREX COMPANY, New York, N. Y. Published March 1, 1937.

49,392.—*Title:* WESTON'S ENGLISH QUALITY BISCUITS. For Biscuits. GEORGE WESTON, LIMITED, Passaic, N. J. Published April 6, 1937.

49,393.—*Title:* WONDER GLACIER CREAM. For Cream to Protect Against Snow and Windburn. FRITZ H. WIESSNER, Brooklyn, N. Y. Published March 4, 1937.

PRINTS

REGISTERED JUNE 1, 1937

16,201.—*Title:* PERSONAL-IZED FLOORS. For Linoleum. CONGOLEUM-NAIRN INC., Kearny, N. J. Published April 3, 1937.

16,202.—*Title:* TEN TOES TO WIGGLE—A DOLL TO CUDDLE—HE'S HAPPY! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published April 1, 1937.

16,203.—*Title:* PIRATE GOLD. For Bags Containing Lucky Pieces. ETCHED PRODUCTS CORPORATION, New York, N. Y. Published January 28, 1937.

16,204.—*Title:* NU COTE. For Cold Water Paint. GABLE-TITE PRODUCTS CO., INC., Miami, Fla. Published September 1, 1936.

16,205.—*Title:* NOW—ANOTHER BISQUICK WITH A NEW TASTE THRILL FOR WHOLE WHEAT FANS BISQUICK WITH WHOLE WHEAT. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published March 5, 1937.

16,206.—*Title:* NEW . . . BETTY CROCKER'S SPRING DELIGHT! For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published April 9, 1937.

16,207.—*Title:* ACCEPT THIS AMAZING NEW GENUINE "CHINALITE" GLASSWARE. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published April 13, 1937.

16,208.—*Title:* TO END BREAKFAST ARGUMENTS. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published April 15, 1937.

16,209.—*Title:* THERMO-CONTROL. For Topcoats. GREENSPOON CLOTHING CO., INC., doing business as Greenspoon Clothing Co., St. Louis, Mo. Published March 6, 1937.

16,210.—*Title:* H & H FOOT EXERCISER. For Foot Exercisers. HUSSMAN-HOLMES COMPANY, Los Angeles, Calif. Published March 27, 1937.

16,211.—*Title:* IT'S SPRING. For Lubricants. THE LUBRI-ZOL CORPORATION, Wickliffe, Ohio. Published March 20, 1937.

16,212.—*Title:* DANGER! DON'T LET 'EM FILL YOU WITH LEAD. For Lubricants. THE LUBRI-ZOL CORPORATION, Wickliffe, Ohio. Published March 20, 1937.

16,213.—*Title:* THINGS YOU OUGHT TO KNOW IF YOU EVER WRITE WITH A PEN. For Fountain Pens, Mechanical Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published April 10, 1937.

16,214.—*Title:* SAVANNAH BENNE, A CANDY OF THE OLD SOUTH. For Candy. SAVANNAH BENNE CANDY COMPANY, Savannah, Ga. Published March 30, 1937.

REISSUES

JUNE 1, 1937

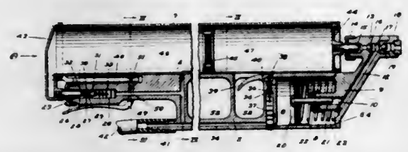
20,385

GREASE GUN

Charles F. Goddard, deceased, late of Denver, Colo., by Francis M. Goddard, administrator, Denver, Colo., assignor, by mesne assignments, to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware

Original No. 1,787,783, dated January 6, 1931, Serial No. 264,940, March 26, 1928. Application for reissue November 29, 1932, Serial No. 644,924

40 Claims. (Cl. 221—47.3)



1. A grease gun comprising a stock, a lubricant ejecting element on the stock, a demountable container on the stock, a piston dividing the container into a lubricant chamber and a pressure chamber, a valve controlled connection between the lubricant chamber and the ejecting means, and valve controlled means connecting the ejection element with a source of pressure fluid and connecting the source of pressure and the pressure chamber, the said connections including nipples on the container, in sliding relation to the stock.

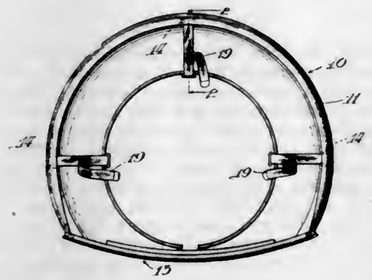
20,386

TIRE COVER

Herman Hartel, Milwaukee, Wis., assignor, by mesne assignments, to Lyon Incorporated, Detroit, Mich., a corporation of Delaware

Original No. 1,991,207, dated February 12, 1935, Serial No. 372,283, June 20, 1929. Application for reissue June 5, 1935, Serial No. 26,802

21 Claims. (Cl. 150—54)



1. A tire cover comprising a single covering unit adapted to be applied to and removed from a tire as a whole and to cover the tread of the tire, means for securing the unit upon the tire and including flexible metallic strip members secured to said unit and adjustably conformable to the transverse tread profile of the tire, and means supported thereby and attachable to the tire to conform the strip members to the tire tread profile.

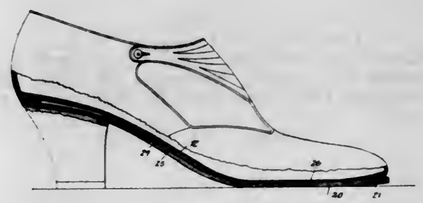
20,387

SHOE STRUCTURE

Fred Maccarone, Brooklyn, N. Y.

Original No. 1,569,823, dated January 12, 1926, Serial No. 48,285, August 5, 1925. Application for reissue July 1, 1936, Serial No. 88,416

7 Claims. (Cl. 36—19)



6. In a shoe structure, an insole including an integral heel portion, shank portion and ball portion, said ball portion having an opening therethrough centrally thereof, the margins of said opening being tapered to a feather-edge to provide a relatively limp border section, an upper underlying the insole altogether outwardly of said limp border section, and an outsole having its margins reduced about the ball portion for receiving the insole with the upper attached, the unreduced central ball area of the outsole meeting with the marginally reduced portions thereof on an angle to define a long sloping shoulder, the said relatively limp border section of the insole lying in overlapping, mating, and merging contact against the said sloping shoulder of the outsole, whereby the upper surface of the insole is disposed flush and smooth with the upper surface of the outsole, notwithstanding that the upper may be thick or thin.

20,388

EVAPORATOR FOR REFRIGERATORS

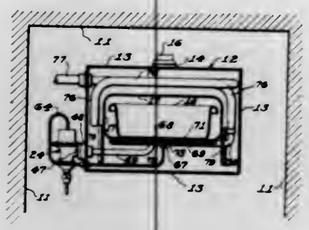
Lawrence A. Philipp, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan

Original No. 1,893,338, dated January 3, 1933, Serial No. 354,320, April 11, 1929. Application for reissue May 25, 1934, Serial No. 727,506

10 Claims. (Cl. 62—8)

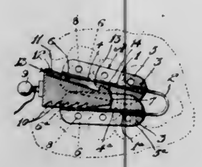
1. The combination with a refrigerant compressing mechanism having a low side pressure controller associated therewith of a refrigerant evaporating unit comprising a heat exchange plate for supporting a freezing tray upon the

upper surface thereof, and means disposed in thermal contact with the lower surface of the



aforesaid plate for controlling the operation of the refrigerant evaporating unit.

20,389
JAW BRACE
Louis Pickett, Irvington, N. J.
Original No. 2,023,288, dated December 3, 1935, Serial No. 755,274, November 30, 1934. Application for reissue May 19, 1936, Serial No. 80,586
9 Claims. (Cl. 128—12)



1. A jaw-brace consisting of a pair of channel members adapted to support plastic material to prevent displacement of the jaw-brace in a patient's mouth and a means for spacing said channel members consisting of a U-shape flat resilient member; a means for spacing at will said members consisting of a wedge-like member, and a means for retaining said spacing which consists of a series of teeth on said wedge-shape member and a detent tooth attached to one of said jaw-supporting members and a channel-like slot in said wedge-shape member and a detent-like tooth for engagement with said slot.

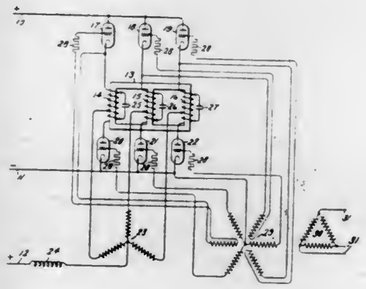
20,390
GRIP STRAP
Herman H. Rubin and Maurice M. Balsam, New York, N. Y., said Balsam assignor to said Rubin
Original No. 2,003,515, dated June 4, 1935, Serial No. 584,978, January 6, 1932. Application for reissue December 14, 1936, Serial No. 115,890
5 Claims. (Cl. 105—354)

1. An assist grip comprising a stem, a pompon and a pompon fastening member co-operating with the stem and having interlocking clamp portions at its ends compressibly engaging the stem



and a strap portion integral with and connecting said clamps and embracing a portion of the pompon.

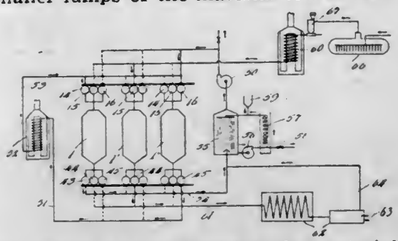
20,391
ELECTRIC VALVE CONVERTING SYSTEM
Camil A. Sabbah, deceased, late of Schenectady, N. Y., by General Electric Co., Schenectady, N. Y., assignee, a corporation of New York
Original No. 1,961,080, dated May 29, 1934, Serial No. 669,553, May 5, 1933. Application for reissue May 23, 1936, Serial No. 81,547
17 Claims. (Cl. 171—97)



17. An electric valve converting system for transmitting energy between a constant potential circuit and a constant current circuit comprising an energy storage and transfer device having an *n*-legged core structure provided with a capacitor and at least one inductive winding for each leg, said capacitors each being connected in parallel with a portion of its associated inductive winding, a group of controlled electric discharge valves connected between said energy transfer device and one of said circuits for controlling the flow of energy to be stored in said device, a second group of controlled electric discharge valves connected between said energy transfer device and said other circuit for controlling the flow of energy from said device, and means for controlling the conductivities of said valves.

20,392
PROCESS OF DESTRUCTIVE DISTILLATION OF CARBONACEOUS MATERIAL
Lewis C. Karrick, Salt Lake City, Utah
Original No. 2,011,054, dated August 13, 1935, Serial No. 287,815, June 23, 1928. Application for reissue September 11, 1936, Serial No. 100,397
11 Claims. (Cl. 202—16)

11. The process of treating solid carbonizable material in a retort, said material comprising different-sized lumps of coal, which includes segregating said coal into layers of different sizes in the retort, the larger lumps being at the bottom and supporting superposed layers of progressively smaller lumps of the material toward the top



of the retort, and carbonizing the material by passing a heating gas through the retort.

PLANT PATENTS

GRANTED JUNE 1, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

248
ROSE
Josephine D. Brownell, Little Compton, R. I.
Application May 9, 1936, Serial No. 78,768
1 Claim. (Cl. 47—61)

The rose substantially as shown and described, characterized by its new and distinctive constitution and especially by the pure yellow color of its petals and the special form of its petals light center of the bloom on opening, its extreme resistance to winter injury, its continuity and intensity of florescence, its intense and pleasing fragrance, its long keeping character of the color of its petals, their brilliancy and luster, the clear variable within certain definite limits, its character of holding that form, all in association with its habit of branching from bloom stems and from canes and stems from the base.

PATENTS

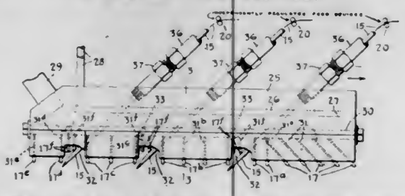
GRANTED JUNE 1, 1937

2,081,896
WINDOW STRUCTURE FOR VEHICLES
Roy T. Axe, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York
Application September 5, 1934, Serial No. 742,767
2 Claims. (Cl. 296—48)



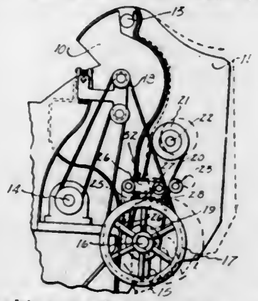
1. In combination a window structure for vehicles comprising a window frame including posts and a substantially flat sash mounted in the frame, a base plate provided on each sash stile and arranged at an angle to the plane of the sash, an arcuate channel carried by the plate and facing toward the post and a second base plate provided on the post and opposed to the former plate and having an arcuate rib interfitting the channel, one of the arcuate interfitting parts being detachably secured to its base plate and adjustable in a direction widthwise of the sash, the interfitting ribs and channels being offset from the stiles on one side of the sash and located entirely outside of the stiles.

2,081,897
PROCESS AND APPARATUS FOR FUSION WELDING
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application October 2, 1934, Serial No. 746,485
8 Claims. (Cl. 113—59)



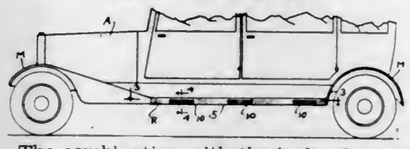
1. The process of welding contiguous portions of metal material which comprises progressively applying the heat of high-temperature flames covering a substantial portion of the extent of the seam, simultaneously feeding a plurality of wires one behind another at spaced points lengthwise of the seam, and melting from each wire a portion of the added metal required to make the weld while maintaining the metal between said spaced points in molten condition.

2,081,898
BRAKING MECHANISM
John Blewett, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a corporation of Texas
Application September 16, 1935, Serial No. 40,704
13 Claims. (Cl. 188—74)



1. A braking mechanism for a cotton gin including, an immovable support secured to the fixed frame of said gin, an arm having one end pivoted to said support and extending adjacent the drive wheel of the picker roller shaft of said gin, said arm being located in a plane above said drive wheel, and a brake shoe carried by the outer end of said arm and arranged to be engaged by said drive wheel when the latter is moved due to the swinging of the breast of said gin which carries the picker roller.

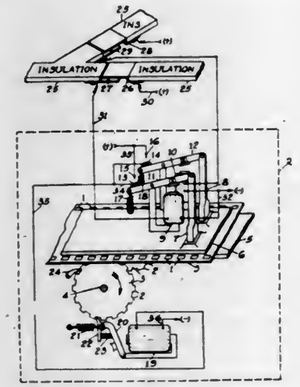
2,081,899
AUTOMOBILE RUNNING BOARD
Lawrence D. Bridge, Blairsville, Pa.
Application October 21, 1936, Serial No. 106,871
3 Claims. (Cl. 240—8.26)



1. The combination with the body of an automobile, of a hollow running board, light reflectors disposed in the running board and communicating with the exterior at one edge of the running board, electric bulbs carried within the reflectors, and an electricity conduit connected to the bulbs.

2,081,900
AUTOMATIC SWITCHING SYSTEM FOR RAILROADS
Ned C. L. Brown, Scottsville, and George M. Seidel, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application May 29, 1931, Serial No. 540,984
Renewed September 23, 1932
13 Claims. (Cl. 104—26)

1. In an automatic switching system for railway yards, in combination, a miniature track diagram corresponding to the car yard having selective circuit controlling means associated with each miniature switch thereof, a perforable insulating strip associated with each miniature switch, means controlled by said selective circuit controlling means for distinctively perforating said strips in accordance with various manually



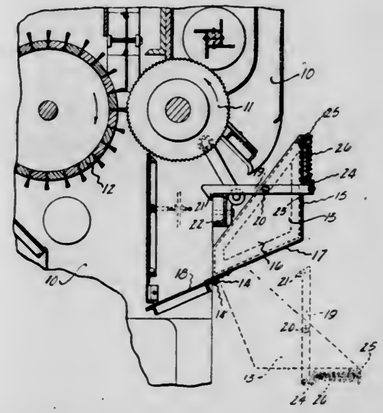
selected routes over said miniature switches, control means for each track switch operable to select sequential positions of track switches from its associated perforated strip, each of said insulating strips being automatically positioned, by a preceding traversal of its track switch by a car, to selectively operate said control means.

2,081,901
CAR RETARDER FOR RAILROADS
Ned C. L. Brown, Scottsville, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application April 13, 1931, Serial No. 529,650. Divided and this application December 5, 1933, Serial No. 701,024
3 Claims. (Cl. 188—62)



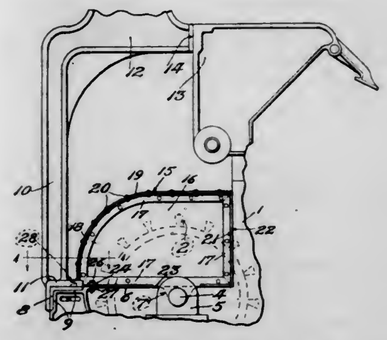
1. In a retarder, in combination, a shoe beam at each side of a track rail, a brake shoe carried by each shoe beam, the shoes being composed of material of equal hardness, the inner shoe being supported by its shoe beam at a greater elevation above the rail than that of the outer shoe, whereby to prevent derailment and cause the inner shoe to contribute a larger proportion of the combined retardation caused by the inner and outer shoes, said inner shoe having an upper face sloping downwardly and away from the rail to thereby prevent any bead worn at the upper edge of the braking face of the inner shoe from projecting upwardly above clearance limits.

2,081,902
SEED PAN FOR COTTON LINTERS
Charles R. Carr, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a corporation of Texas
Application January 27, 1936, Serial No. 60,902
9 Claims. (Cl. 19—55)



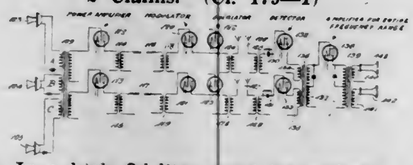
1. A linter including, a linter frame, a seed pan hinged to the linter frame, and a latch arranged to automatically fasten the pan when the latter is swung to its closed position.

2,081,903
REMOVABLE BRUSH COVER FOR COTTON LINTERS
Charles R. Carr, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a corporation of Texas
Application March 16, 1936, Serial No. 69,021
4 Claims. (Cl. 19—58)



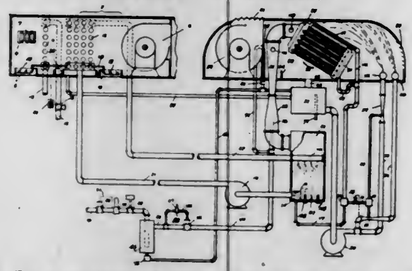
1. In a cotton linter or the like, in combination with the body frame and housing parts of the machine assembly, a portion of which constitutes an open-topped brush chamber proper, the opposite end walls and the outer transverse wall of the chamber being lowered relatively to the general casing of the machine, a brush element located and operating in the chamber, the upper portion of the brush being above the open top of the chamber proper, and a hood-like cover entirely detachable and removably mountable to close the open top of the chamber proper and complete the continuity of the chamber above the brush element.

2,081,904
SOUND TRANSMISSION AND REPRODUCTION
Lindsay M. Applegate, Seattle, Wash., assignor, by mesne assignments, to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Delaware
Original application March 2, 1927, Serial No. 172,084. Patent No. 1,941,591, January 2, 1934. Divided and this application December 29, 1933, Serial No. 704,539
2 Claims. (Cl. 179—1)



1. In a high fidelity sound transmission system, the method of efficiently transmitting all frequencies constituting the sound which comprises transmitting differing but overlapping ranges of frequency through parallel paths adapted to the individual frequency ranges, integrating said ranges to produce again the complete sound, further transmitting other differing but overlapping ranges of frequency through paths adapted to said last mentioned frequency ranges, integrating said ranges to again produce the entire frequency spectrum of the sound, and ultimately energizing a plurality of sound reproducing devices of differing but overlapping frequency characteristics after one of said integrating operations.

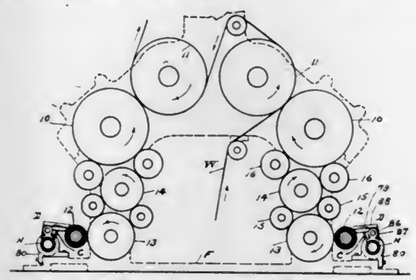
2,081,905
AIR CONDITIONING SYSTEM FOR VEHICLES EMPLOYING STEAM EJECTORS
Carlyle M. Ashley, South Orange, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware
Application August 12, 1932, Serial No. 629,177
18 Claims. (Cl. 62—152)



1. In a system of air conditioning for an enclosure, an evaporator, a condenser, and means for feeding condensate formed in the condenser to said evaporator responsive to changes in liquid level within the evaporator, said means comprising a hydrostatic trap in which condensate is collected to balance the difference in the pressures existing in the evaporator and condenser.

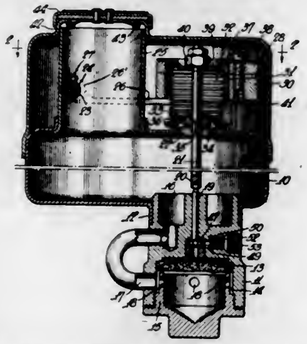
2,081,906
INKING MECHANISM FOR PRINTING MACHINES
Harry V. Ball, Concord, Mass., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application May 5, 1934, Serial No. 724,149
29 Claims. (Cl. 101—366)

18. The method of inking a printing machine arranged for printing separate pages having separate columns, which consists in supplying separate quantities of ink and independently maintaining each quantity of ink at predetermined pressure, distributing the ink from each quantity to supply each page, and independently controlling the supply of ink from each quantity to each column of each page.



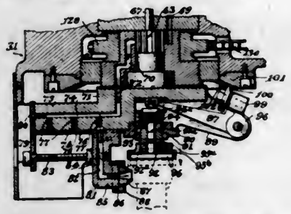
22. In an inking mechanism for printing machines for printing a plurality of pages and having an ink distributing apparatus, an independent pressure-controlling ink chamber for each page communicating with the ink distributing apparatus of the printing machine, and means for independently pumping ink in a constant flow of uniform pressure into each chamber.

2,081,907
LUBRICATING APPARATUS
Joseph Bijur, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application April 5, 1929, Serial No. 352,744
29 Claims. (Cl. 184—26)



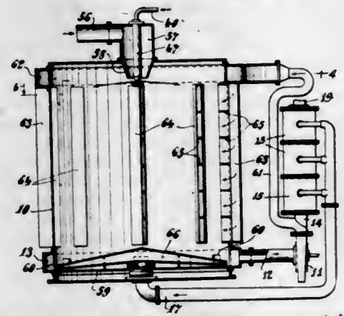
1. An automatic supply installation for a central lubricating system, with a plurality of highly restricted flow proportioning outlets comprising a reservoir, a plunger pump of minute volume near the bottom thereof and operating means near the top thereof, said means comprising a pivoted inertia operated weight and a rod operatively and directly connecting said weight to said plunger, whereby said plunger and said weight will reciprocate upwardly and downwardly simultaneously in phase with each other, said rod and said plunger being so connected to said weight as to permit slight relative movements and said connection being located at an intermediate portion of said weight and at a position substantially removed from said pivot with the result that the length of the effective discharge stroke will be less than the maximum stroke of said weight.

2,081,908
CONTAINER SEALING MACHINE
Irving E. Black, Frederick J. Hoffer, and Henry B. Silver, Brooklyn, N. Y., assignors to Plastic Seal Corporation, Brooklyn, N. Y., a corporation of New York
Application January 5, 1934, Serial No. 705,434
25 Claims. (Cl. 226—80)



1. In a container sealing device, a container support for locating a closed container with the joint between the container and closure in a predetermined position, means for supplying sealing fluid, and a discharge nozzle receiving sealing fluid from the said means located in a position to deliver said fluid against said joint, said nozzle being rotatable about the joint between the cap and neck of a container upon the container support.

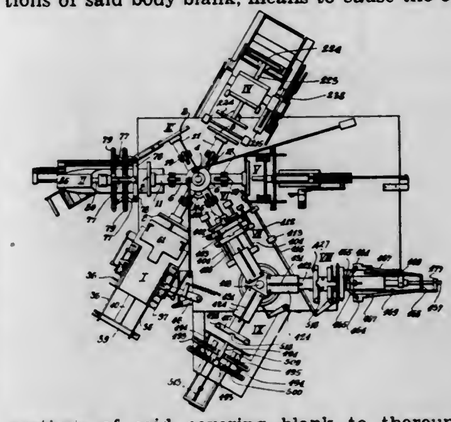
2,081,909
APPARATUS FOR SPRAY DRYING
William Spencer Bowen, Westfield, N. J.
Application November 20, 1934, Serial No. 753,857
13 Claims. (Cl. 159—4)



12. The process of spray drying comprising introducing a substance to be dried into a chamber, introducing a drying medium therein with a whirling motion, removing the dried substance and medium, and forming a fluid wall of a portion of the dried substance and medium adjacent the wall of the chamber moving in the direction of whirl of the substance to be dried.

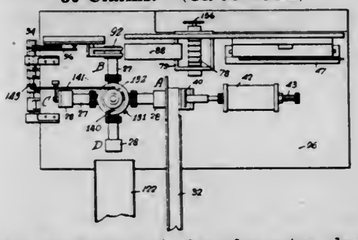
2,081,910
FORMING MACHINE
Harold C. Coppins, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada, a corporation of Ontario, Canada
Application December 3, 1932, Serial No. 645,550
Renewed April 1, 1937
83 Claims. (Cl. 93—40)

1. A forming machine including means to mount a body blank, means to fold such blank, means including a movably mounted adhesive roll for treating a covering blank having extended corner portions, means for moving said adhesive roll to and from adhesive applying position with reference to said covering blank, means for applying such covering blank to said folded blank, and with the corner portions thereof projecting beyond said body blank, means for folding said corner portions towards the folded portions of said body blank, means to cause the end



portions of said covering blank to thereupon overlie said corner portions, both the side and end portions of said covering blank extending beyond the outstanding edges of said body blank and means to overlap said extending edge portions to enclose the edge of said body blank.

2,081,911
APPLYING MACHINE
Harold C. Coppins, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada, a corporation of Ontario, Canada
Application December 3, 1932, Serial No. 645,551
50 Claims. (Cl. 93—54.1)

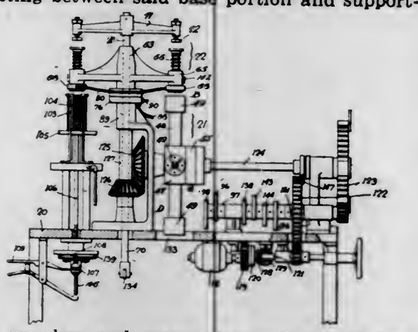


1. An apparatus of the character described, including, in combination, a movable member to mount an article to be operated upon, means for pressing the end of a strip onto said mounted article, means for stopping said mounting member and maintaining it stationary during such application, means for subsequently moving said mounting member and means cooperating with said article during such movement to assure the maintenance of proper relative positions of the article with respect to the strip.

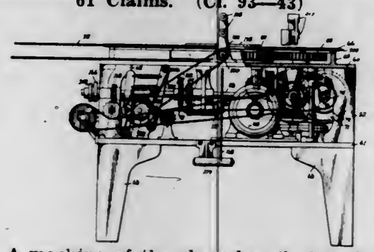
2,081,912
APPLYING MACHINE
Harold C. Coppins, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada, a corporation of Ontario, Canada
Application December 16, 1932, Serial No. 647,565
52 Claims. (Cl. 93—55.1)

1. In an applying machine, a turret head having a hollow portion, a base portion, a supporting

member, means tending to maintain such base portion spaced from said supporting member, said head being perforated, means connecting the hollow portion of said head with the space existing between said base portion and supporting member and means connecting said base portion with a source of vacuum, whereby when an article is applied to the perforations of said head, said base portion and supporting member will be drawn into intimate association.

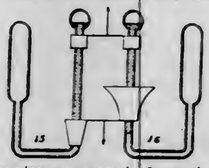


2,081,913
FORMING AND ASSEMBLING MACHINE
Harold C. Coppins, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada, a corporation of Ontario, Canada
Application March 29, 1933, Serial No. 663,267
61 Claims. (Cl. 93—43)



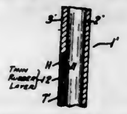
1. A machine of the class described, including means for receiving receptacle portions, means for applying a hinge strip to the inner faces of such receptacle portions and means for applying a flanged member to one of said receptacle portions to lock said strip against displacement.

2,081,914
ELECTROSTATIC CONDENSER
Jennings B. Dow, United States Navy, Washington, D. C.
Application June 21, 1932, Serial No. 618,487
2 Claims. (Cl. 175—41.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A temperature operated variable capacity comprising a tube of insulating material, a filament of conducting fluid partly filing said tube, a metallic member outward of said tube and shaped in such manner that the horizontal distance between said metallic member and the axis of said filament at one end, varies with the longitudinal displacement of said filament along said tube.

2,081,915
MOISTUREPROOF NETHERGARMENT
Henry Wallace Edmiston, Philadelphia, Pa., assignor to Majestic Silk Mills, Inc., New York, N. Y., a corporation of New York
Application July 3, 1933, Serial No. 678,745
4 Claims. (Cl. 2—73)

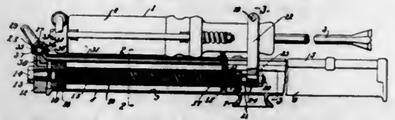


2. A one-piece slip or like garment of single ply construction substantially over its entire area including an integral area inseparable from the rest of the garment, said area being located within the skirt portion and possessing shadowproof and moistureproof characteristics.

2,081,916
PROCESS FOR THE PHOTOMECHANICAL REPRODUCTION OF ANIMAL SKINS AND THE LIKE
Karl Eichstädt, Berlin-Friedenau, Germany, assignor to Oxford Varnish Corporation, Detroit, Mich., a corporation of Michigan
No Drawing. Application September 3, 1935, Serial No. 39,069. In Germany September 11, 1934
3 Claims. (Cl. 41—26)

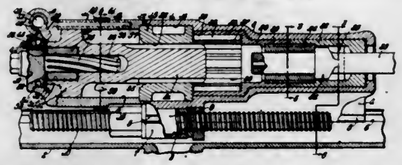
3. The process for decorating surfaces in simulation of light colored animal skins, leathers and the like, comprising the step of applying a dark colored polishing wax to such skins, leathers and the like and thereafter photographically reproducing a negative or reverse printing plate from such article and transferring the design from the reverse printing plate to the surface to be decorated.

2,081,917
ROCK DRILL
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application October 1, 1929, Serial No. 396,561
Renewed April 28, 1936
14 Claims. (Cl. 121—9)



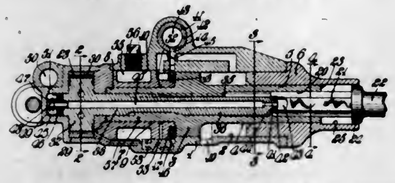
1. In a rock drill, a guide shell, a drilling tool guided thereon, pressure fluid operated mechanism for feeding the tool relative to said shell including relatively reciprocable pressure fluid actuated feeding elements having relative rectilinear movement, and speed multiplying connections between said feeding elements and the tool for feeding the latter at a speed faster than the rate of relative reciprocation between said feeding elements including means for effecting rotation of one of said reciprocable feeding elements upon reciprocation thereof, and means for transforming the rotary motion of said feeding element to a feeding motion and for transmitting said feeding motion to the tool.

2,081,918
ROCK DRILL
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 22, 1933, Serial No. 703,580
3 Claims. (Cl. 255—45)



1. In a rock drill, a support having a longitudinal guideway, a rock drilling motor comprising a cylinder containing a piston and front and rear heads, a chuck housing, a chuck within said chuck housing for supporting the shank of a drill steel, said chuck housing having a bore receiving the forward portion of said front head and said cylinder being attached to and wholly supported by said chuck housing, the latter having elongated integral guides extending throughout substantially its length and slidably engaging in said support guideway, and means for securing the motor parts together embodying means whereby the motor cylinder and back head may be detached from the chuck housing while the guides of the latter remain in said support guideway and said chuck and front head remain in supported position in said chuck housing.

2,081,919
ROCK DRILL
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application April 26, 1934, Serial No. 722,570
25 Claims. (Cl. 121—6)



1. In a rock drill, a cylinder, a piston reciprocable therein, said piston provided with a forwardly projecting striking bar having an axial bore and a front annular striking surface, and a drill steel having a shank adapted to project within the striking bar bore and having a collar adapted to receive the impact blows of the front annular striking surface of the striking bar.

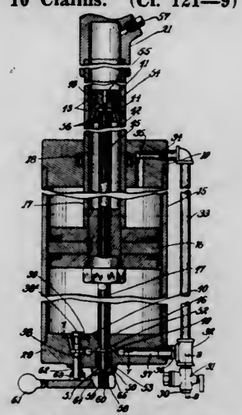
7. In a rock drill, a cylinder, a piston reciprocable therein, a hollow drill steel for receiving the impact blows of the hammer piston, drill steel rotation mechanism including a spirally grooved rotation bar interlocked with the hammer piston and relative to which the latter is reciprocable, said rotation bar having means providing a sealing engagement with the rear end of the steel shank, hole cleansing means including an axial liquid conducting passage formed in said rotation bar, and means for sealing the rear end of said rotation bar for precluding entry of pressure fluid from the motor cylinder thereto.

2,081,920
ROCK DRILL
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 17, 1934, Serial No. 740,298
10 Claims. (Cl. 121—7)



1. In a rock drill, a cylinder, a piston reciprocable therein, a drill steel actuated by said piston, fluid distribution means for supplying pressure fluid to said cylinder to effect reciprocation of said piston, and drill steel rotation mechanism controlled by said distribution means for effecting steel rotation including a rotation bar interlocked with said piston and having splines and a rotation control clutch including an element having splines interlocked with the splines of said rotation bar, said element slidable relative to said bar, and means controlled by said distribution means for effecting application and release of said clutch.

2,081,921
ROCK DRILL FEEDING MECHANISM
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 22, 1934, Serial No. 740,976
10 Claims. (Cl. 121—9)



1. In a rock drill feeding mechanism, in combination, a feeding motor, fluid displacement means associated with said feeding motor for regulating the rate of feed, means for controlling said feeding motor including valve means for regulating the flow of pressure fluid to said motor and for venting the feeding pressure when the flow of pressure fluid to said motor is interrupted, means for controlling said displacement means to vary the rate of feed and to interrupt operation of said feeding motor at will, and common control means for said feeding motor and displacement means controlling means.

2,081,922
ROCK DRILLING MECHANISM
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 7, 1935, Serial No. 5,442
18 Claims. (Cl. 121—9)



1. In a rock drilling apparatus, in combination, a rock drill, and pressure fluid operated feeding and retracting and guiding means for said drill comprising a single feed cylinder member, a piston therein, a cylindrical member having a longitudinal slot therein, said cylinder member providing a projection interfitting within said slot, and said piston and cylinder member being relatively reciprocable, and said cylinder member and cylindrical member being coaxial and relatively reciprocable with their adjacent arcuate surfaces in sliding, guiding contact, means for holding one of said members stationary, and a connection between the rock drill and the other of said members.

2,081,923
DRILLING APPARATUS
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application June 14, 1935, Serial No. 26,652
12 Claims. (Cl. 121—8)



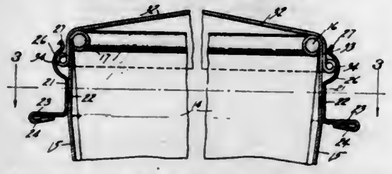
1. In combination, in a drilling apparatus, a drilling motor, a chuck, a drill steel in said chuck, means for supplying air to said chuck during drilling, feeding means for said motor, chuck and steel, and means operative during retraction and automatically shut down upon completion of retraction for supplying air to said chuck.

2,081,924
DRILL STEEL ROTATION MECHANISM
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application July 13, 1936, Serial No. 90,307
9 Claims. (Cl. 121—7)



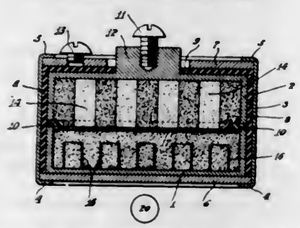
1. A drill steel rotation mechanism comprising a rotation bar, a reciprocable member arranged coaxially with and splined to said rotation bar, a stationary member, clutch teeth on the reciprocable and stationary members adapted to engage each other to lock positively the rotation bar against rotation, said reciprocable member having a pressure area, and means for intermittently supplying pressure fluid to act on said pressure area to move said reciprocable member intermittently into clutched relation with said stationary member.

2,081,925
ORCHARD HEATER
Henry Graf, Toledo, Ohio, assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application October 2, 1931, Serial No. 566,479
4 Claims. (Cl. 220—55)



1. An orchard heater for fuel oil, comprising a body having flat side walls terminating in an open end, a plurality of reinforcing bars secured to said side walls, a cover member for closing the open end of said body, said reinforcing bars having means for engaging outside of and above said cover and clamping it in closing position on said body.

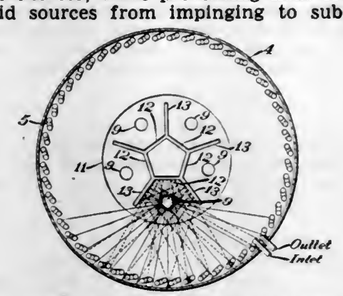
2,081,926
PRIMARY ELEMENT
Janos Gyuris, Budapest, Hungary
Application August 23, 1933, Serial No. 686,469
In Hungary July 17, 1933
17 Claims. (Cl. 136—83)



5. In an electric element, the combination which comprises a fused alkali metal cathode and a dry anode substance capable of releasing oxygen and reacting with said cathode to produce electrical energy at temperatures at which at least one of said substances is fused.

2,081,927
HEATING PROCESS AND APPARATUS
Anthony E. Hassler, Ridley Park, and Hugh W. Field, Glen Mills, Pa., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 9, 1934, Serial No. 710,476
5 Claims. (Cl. 196—116)

3. A method for heating hydrocarbon fluids which comprises passing the fluid to be heated about the periphery of a heating zone in a series of relatively short alternate upward and downward paths, supplying heat from a plurality of sources located centrally of said heating zone, varying the supply of heat to the fluid as it passes thru said path by maintaining the intensity of heat at one of said sources greater than that at another, and causing heat from each of said sources to impinge substantially uniformly upon that portion of said path adjacent thereto, while preventing heat from any of said sources from impinging to substantial



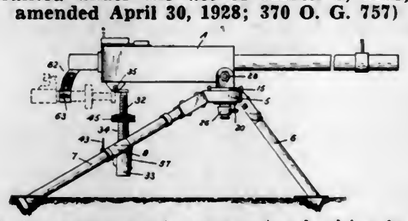
extent upon any portion of the path other than that adjacent thereto.

2,081,928
COILING CORD
Howard M. Hay, Wenonah, N. J.
Application December 21, 1929, Serial No. 415,634
6 Claims. (Cl. 173—367)



1. A cord coiler comprising a coiled spring having sections connected with one another by substantially S-shaped bends.

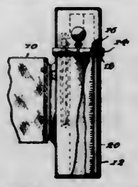
2,081,929
GUN MOUNT
Thomas J. Heavey, United States Army, Fort Riley, Kans.
Application December 3, 1934, Serial No. 755,780
5 Claims. (Cl. 89—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a gun mount, a support, a bushing in the support and having a flange resting on the support, a rotatably mounted dial having an inwardly extending flange on its lower end retained by the flange of the bushing, a bolt passing through the support, a finger on the upper end of the bolt for engaging the inwardly extending flange of the dial, a knob threaded on the lower end of the bolt and capable of being drawn up against the support.

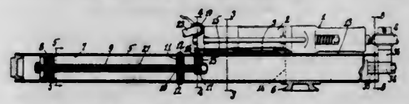
2,081,930
WATERPROOF CONTAINER FOR BATHERS
Alphonse C. Hoffman, Hazel Park, Mich.
Application February 26, 1934, Serial No. 713,050
1 Claim. (Cl. 220—46)

A moisture proof container comprising a bottom portion having annular spaced flanges on the upper edge thereof defining an annular channel, the outer flange being shorter than the inner flange, a gasket in said channel, a cover, a lining of moisture proof material on the inside of said cover, the inner side of said lining of said cover being adapted to snugly embrace the outside of



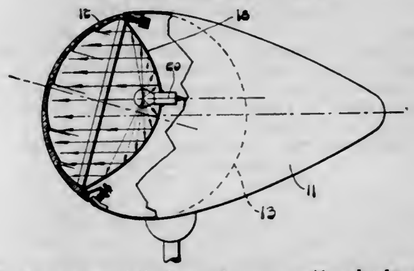
the inner flange and the lower portion of said cover abut said gasket to form a moisture proof seal, the width of the cover and the lining on the inside thereof being slightly greater than the distance between said flanges, whereby the outer side of the cover closely embraces the inner side of the outer flange.

2,081,931
ROCK DRILL MECHANISM
Mervin Chester Huffman, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 8, 1935, Serial No. 5,662
19 Claims. (Cl. 121—9)



1. In a rock drilling mechanism, the combination with a rock drill, of feeding and guiding means for said drill comprising an elongated tubular member having formed within its rearward portion a feed cylinder, the forward portion of said tubular member in advance of said feed cylinder constituting a cylindrical guiding means having a circular guiding surface, sliding supporting means for the drill providing an arcuate guiding surface slidably guided on said circular guiding surface, a feed piston reciprocable in said feed cylinder, and a connection between said feed piston and the rock drill.

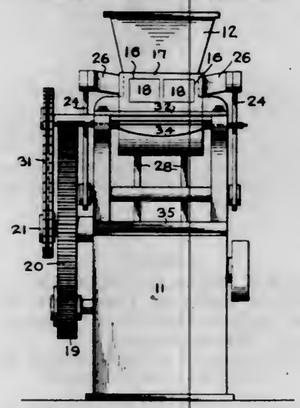
2,081,932
AUTOMOBILE LAMP
Roy W. Johnson, Wyoming, Ohio, assignor to The International Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application April 27, 1935, Serial No. 18,679
2 Claims. (Cl. 240—41.3)



1. An automobile lamp incorporating body and lens elements blending in exterior surface to produce a stream line shape, the line of demarcation between the body and lens occupying a plane ly-

ing at an angle inclined backward relatively to the axis of the lamp, the outer surface of said lens and said body adjacent thereto being substantially spherical, whereby the line of demarcation will be substantially circular.

2,081,933
AUTOMATIC DOUGH DIVIDER
William R. Kauffman, York, Pa.
Application March 16, 1936, Serial No. 69,075
2 Claims. (Cl. 107—15)



1. In a dough divider, the combination of a member having a measuring cavity therein, means for feeding a body of dough into said cavity, means for discharging the dough from said cavity, a flexible element disposed in the path of the discharged dough, and means cooperating with said flexible element for severing the dough from the member.

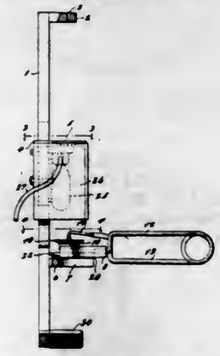
2,081,934
CINNAMIC PREPARATIONS FOR THERAPEUTIC USES
Jacob Jacobson, Paris, France
No Drawing. Application November 23, 1935, Serial No. 51,270
5 Claims. (Cl. 167—65)

1. A sterilized ampule-contained therapeutic preparation constituted of an olive oil suspension of a mixture containing benzyl cinnamic ester and benzyl alcohol in the approximate relation of 20 grams of the former in 15 cc. of the latter and with a total of suspended material approximating 3.2 parts in 100 parts of the suspension.

2,081,935
REFRACTORY INSULATION
Otis L. Jones, Joliet, Ill., assignor, by direct and mesne assignments, of one-half to The Illinois Clay Products Company, Joliet, Ill., a corporation of Illinois, and one-half to F. E. Schundler & Company, Inc., Joliet, Ill., a corporation of Illinois
No Drawing. Application July 9, 1934, Serial No. 734,428
6 Claims. (Cl. 106—18)

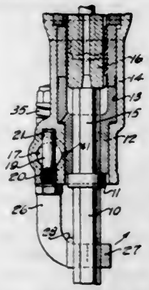
1. The method of making a refractory cement which is characterized by bonding together particles of exfoliated vermiculite with a magnesium oxy-sulphate cement, firing one face of the bonded material at temperatures exceeding 2000° F. to decompose the surface layer of cement at said face, while preventing substantial penetration of heat into the body of the material to prevent decomposition of the latter, increasing the temperatures to develop a ceramic bond in place of the decomposed cement and during the formation of said bond supporting said surface layer by the unaltered body of said material.

2,081,936
LENS CENTERING APPARATUS
John A. Keenan, Flushing, N. Y.
Application October 12, 1935, Serial No. 44,679
9 Claims. (Cl. 88—56)



8. An apparatus for aligning a working dot on an unedged lens with a center hole of a lens pad for an edging machine comprising a lens holder support, a member having a sight opening operatively associated with said support, a lens pad for an edging machine having a center hole and a holder for said pad having an adjustable clamping member for adjustably retaining the lens in adjustable position on the pad whereby the working dot on said lens can be aligned with the center hole and the sight opening.

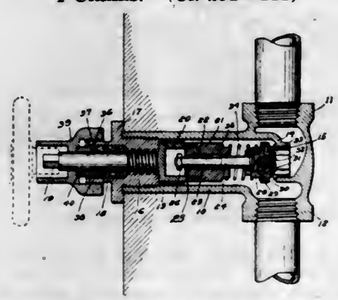
2,081,937
TOOL RETAINER
Earl B. Lear, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application January 26, 1935, Serial No. 3,555
4 Claims. (Cl. 121—32)



1. In combination with a front head and a collared drill steel supported therein, a retainer having a yoke portion adapted to receive blows transmitted to it by the collar and having arms extending substantially parallel to the drill steel, said front head having a transverse bore extending in a plane at right angles to the axis of the drill steel, a pair of trunnions projecting into said bore from opposite ends thereof, said arms being connected with said trunnions to swing with

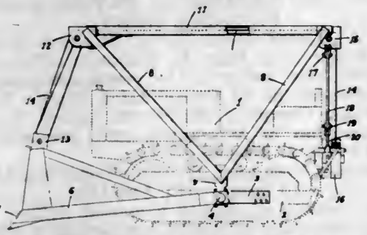
the latter about the axis of said bore, and means connected with the front head and engaging one or both trunnions to provide a yieldable lock for the retainer in one position of its swinging movement, said locking means comprising a cylindrical pin carried by the front head and extending across said bore and engageable with a correspondingly-shaped groove formed in the end of one of the trunnions, and means for yieldingly holding said trunnion in engagement with the pin.

2,081,938
VALVE CONSTRUCTION
Frederick C. Leonard, Cranston, R. I.
Application June 30, 1933, Serial No. 678,498
4 Claims. (Cl. 251—141)



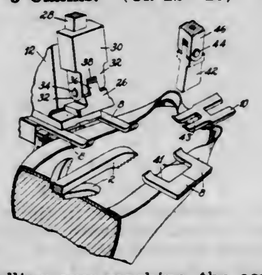
1. In combination, a body member having a valve seat, a valve head operating mechanism removably mounted in said body member comprising a support having a threaded bore, a valve stem in said bore having threads cooperating with the bore threads, a sleeve at the end of said valve stem, a block member of solid construction detachably secured to said sleeve and having a longitudinal bore extending from one end thereof to the other, a valve rod slidable in said bore and guided therein and having a retainer device at the sleeve end and a valve head at the other end adapted to engage said valve seat, and a compression spring respectively engaging said block member and said valve head for resiliently urging said valve head towards said valve seat.

2,081,939
IMPLEMENT HOISTING FRAME FOR TRACTORS
Robert G. Le Tourneau, Stockton, Calif., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application April 10, 1936, Serial No. 73,686
7 Claims. (Cl. 37—144)



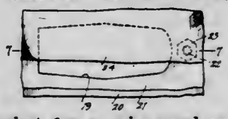
1. A hoist frame for tractors comprising a single beam to extend substantially the full length of a tractor above the same, sheaves on the beam at its ends, a hoist cable passing over the sheaves, the tractor having a cable drum to which the adjacent end of the cable extends, pairs of side beams rigid with and depending from the longitudinal beam adjacent its ends on opposite sides of the tractor, and means to detachably mount said side beams at their lower ends on the tractor at points intermediate the ends thereof.

2,081,940
PULLING-OVER MACHINE
Axel E. Lindblad, Orange, N. J., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 23, 1935, Serial No. 55,768
3 Claims. (Cl. 12—10)



1. In a pulling-over machine, the combination with means for pulling an upper over a last, of means for securing the margin of the upper adhesively to an insole on the last in a plurality of different spaced locations at the forepart of the shoe while leaving the forepart of the upper unsecured in other locations, said securing means comprising a plurality of hammers arranged to act respectively in said different locations and movable heightwise of the shoe into engagement with the margin of the upper to pound it on the insole, each hammer being formed and arranged to engage the upper substantially throughout the width of its margin overlying the insole, and means for wiping the margin of the upper substantially throughout its width inwardly over the insole at both sides of the portion engaged by each hammer.

2,081,941
BRACKET FOR AUTOMOBILE ROBE SUPPORTS
Thomas T. Logie, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application June 6, 1936, Serial No. 83,854
5 Claims. (Cl. 105—354)

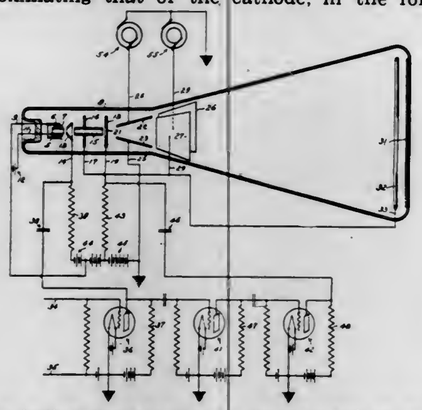


1. In a bracket for a robe cord or the like for attachment to a seat back or the like having an opening therein, a hollow casing for receiving the cord end, a hook member at one end of said casing adapted to be interlockingly engaged with an edge of said opening, and means at the other end of said casing for securing said other end to the seat back.

2,081,942
CATHODE RAY TUBE
Harry R. Lubcke, Los Angeles, Calif.
Application June 16, 1933, Serial No. 676,078
5 Claims. (Cl. 250—27.5)

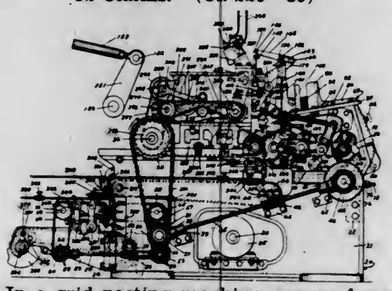
5. A cathode ray tube comprising; an anode; a cathode adapted to be held at a large negative

potential with respect to the anode and for emitting an electronic stream; and a control grid adapted to be held at an average potential approximating that of the cathode, in the form



of a hollow truncated cone, in the path of said stream and co-axial therewith; said control grid having its apex directed toward the cathode and, when energized, being adapted for controlling the intensity of said stream.

2,081,943
GRID PASTING MACHINE
Arthur D. Lund, Minneapolis, Minn.
Application May 21, 1934, Serial No. 726,744
52 Claims. (Cl. 226—39)

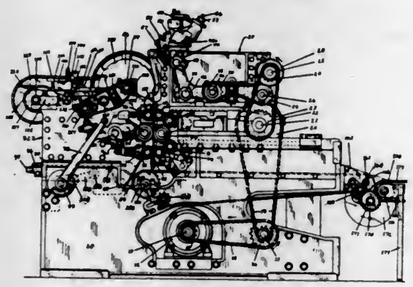


1. In a grid pasting machine, means for supporting the grids in substantially horizontal positions, means for applying paste to the grids, primary and secondary conveying mechanisms for successively engaging the grids to tilt them into vertical positions and then advance them downwardly into applying means, means for driving said conveying mechanisms at different rates of grid advancing speeds, said mechanisms each having means for positively engaging the grids so that the grids will travel at the conveying speeds of the respective mechanisms while thereby engaged, and means for intermittently disconnecting the driving means of the faster operated conveying mechanism so that its effectual grid advancing speed will correspond to that of the slower operated mechanism.

21. In a grid pasting machine, an oscillatable platen movable from a substantially horizontal grid receiving position to a substantially vertical grid discharging position, a pasting mechanism disposed below the platen, and a lowering mechanism for receiving the grids as they are discharged from the platen and for directing them downwardly into the pasting machine.

37. In a grid plate pasting machine, a plate passageway defined in part by a pair of power driven rollers disposed transversely of the passageway and for engagement with opposite faces of the plates to advance them through the passageway, and a belt passing over one of the rollers to convey and apply paste to the grids passing between the rollers.

2,081,944
GRID PASTING MACHINE
Arthur D. Lund, Minneapolis, Minn.
Application September 21, 1935, Serial No. 41,584
34 Claims. (Cl. 226—39)



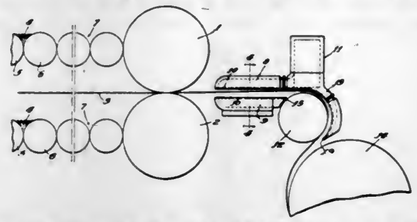
1. In a grid plate pasting machine having a passageway for the movement of the plates therethrough, means for applying paste to the plates while progressing through the passageway, a horizontal plate conveyor, and a rotatable carrier for removing the plates from the conveyor and feeding them into the passageway.

13. In a grid plate pasting machine, a pair of parallel cooperating rollers between which the plates pass and by which the paste is pressed into the plate from opposite sides, means for applying paste to the plates before they pass through the rollers, and a pair of spaced guide plates for receiving the plates acted upon by the rollers, said guide plates having tapered edges terminating substantially at the plane through the axes of the two rollers, said paste applying means comprising an endless belt passing about one of the rollers.

14. In a machine for pasting grid plates having two laterally arranged grids to a plate, the combination comprising means forming a passageway for a row of plates, means for forming a continuous ribbon of paste for application to the grids in the passageway, and means separating said ribbon centrally into two strips one for the grids at each side of the row.

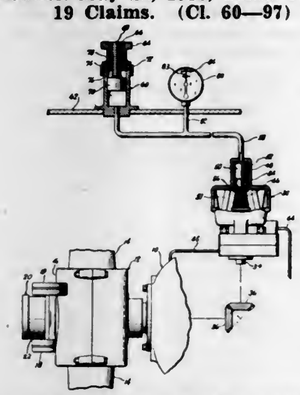
2,081,945
MEANS AND METHOD OF DRYING COATED FLEXIBLE WEBS
Peter J. Massey, River Forest, Ill., and William F. Thiele and Bert F. Raprager, Wisconsin Rapids, Wis., assignors, by mesne assignments, of nine-tenths to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis., a corporation of Wisconsin, and one-tenth to said Peter J. Massey
Application November 27, 1935, Serial No. 51,740
3 Claims. (Cl. 34—24)

1. A method of drying a coated flexible web which comprises, continuously passing a freshly coated web forwardly over a drum and discharging fluid under pressure between the web and drum surface so as to provide a fluid cushion between the web and drum surface, a greater quantity of fluid being discharged adjacent the longitudinal center of the web than that discharged adjacent its edges so as to belly the web away



from the drum and entrap the fluid between the web and the drum surface.

2,081,946
HYDRAULIC ENGINE CONTROLLING DEVICE
Erle Martin, West Hartford, and John Elmer Anderson, Portland, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 21, 1936, Serial No. 81,046
19 Claims. (Cl. 60—97)

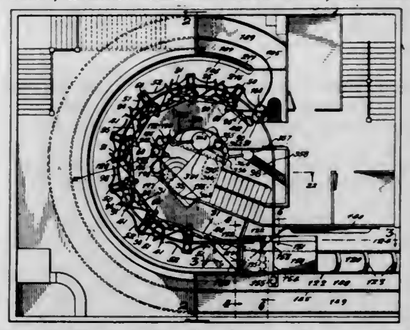


1. In combination with a vehicle engine having an engine speed controlling governor thereon, means for manually controlling the speed of said engine comprising, an expansible chamber device in said governor, a manually operable expansible chamber device carried by the vehicle upon which said engine is mounted, and hydraulic conduit means connecting said two expansible chamber devices.

17. In combination with a mechanism operably connected with a controllable pitch propeller and a governor for controlling the speed of said mechanism by changing the pitch of said propeller, means for adjusting said governor comprising, an expansible chamber device on said governor, control mechanism, means for operating said control mechanism, and hydraulic conduit means connecting said device and said control mechanism.

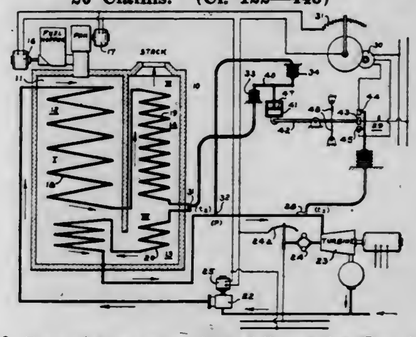
2,081,947
DAIRY PLANT
Herbert McCornack, Glen Ridge, N. J.
Application March 1, 1933, Serial No. 659,052
12 Claims. (Cl. 31—58)

6. In a milking plant, a series of stalls arranged along a lane of approach, an entrance door to said lane, a latch for said door, a curtain arranged to close about the rear of the first cow at the entrance door for the purpose of detaining the cow following, a floor adjacent the stalls, means whereby the milking machine operator can, from the floor, unlatch said entrance door, and means



automatically causing the door to be opened and the curtain to be closed upon the unlatching of the door.

2,081,948
STEAM GENERATOR
Friedrich Michel, Swarthmore, Pa., and Hans Gleichmann, Falkenhain, near Berlin, Germany
Application April 16, 1936, Serial No. 74,686
20 Claims. (Cl. 122—448)



10. In a steam generator of the series-flow tubular type for supplying steam under variable pressure, a feed pump for supplying water to the generator and determining the operating pressure; means for supplying fuel and air to the generator; controlling means for the feed pump operating in response to load to provide a pump outlet pressure which increases with increase of load and vice versa; and thermostatically controlled means including a thermostat associated with the generator outlet steam line for controlling the fuel and air supply means to maintain the outlet steam temperature approximately constant.

2,081,949
METHOD OF PRINTING
Walter W. Mock, Rutherford, N. J., assignor to The International Printing Ink Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application December 18, 1931, Serial No. 581,988
8 Claims. (Cl. 91—67.9)

1. The method which consists in printing on an article with a printing ink which does not dry on the press and which contains a pigment dispersed in a solution of nitrocellulose dissolved in dimethyl phthalate, and immediately after printing diluting the dimethyl phthalate in the print-

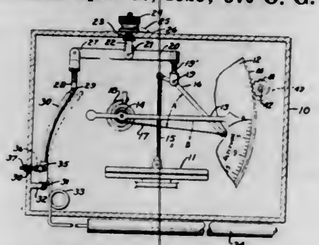
ed film of said ink with melted paraffine wax to precipitate or coagulate said nitrocellulose to produce a hard adhesive non-smearing film occluding the pigment.

2,081,950

TEMPERATURE-PRESSURE ALTIMETER

Francis G. Nesbitt, Dayton, Ohio

Application April 10, 1933, Serial No. 665,393
18 Claims. (Cl. 73—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An aircraft altimeter comprising, a pointer; a scale over which said pointer operates; a pressure responsive element; a motion amplifying linkage interconnecting said pressure responsive element and pointer for moving the latter angularly when said element responds to changes in atmospheric pressure; manually operable means for adjusting the amplification ratio of said linking in accordance with known ground temperature; and a temperature responsive device associated with said last-mentioned means, having a part freely exposable to the thermal effects of external free air and adapting said temperature responsive device to respond to the effects of temperature in a zone of air that is different from the temperature effects of the zone of air to which said pressure responsive element is subject to thereby effect an additional and automatic change in the amplification ratio of said linkage for each change in temperature to which said temperature responsive device is subject and obtain an indication of altitude thereby corrected.

2,081,951

ALUMINUM-MAGNESIUM ALLOYS

Roy E. Paine, Cleveland, and John S. Harrison, Cleveland Heights, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application August 15, 1934, Serial No. 740,000
11 Claims. (Cl. 75—147)

10. An aluminum-magnesium alloy containing from about 5 to about 15 per cent of magnesium, a small amount of calcium and from about 0.01 to 1.25 per cent of at least one of the elements lead and tin, said alloys being characterized by an increased susceptibility to solution of the magnesium constituent at temperatures between 250° and 450° centigrade, such susceptibility not having been hitherto encountered in similar alloys containing the magnesium and calcium but no lead or tin.

2,081,952

ACOUSTICAL CONSTRUCTION

John S. Parkinson, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application December 17, 1934, Serial No. 757,795
11 Claims. (Cl. 154—44)

11. A sound absorbing structure comprising a substantially air-impermeable base member, and a flexible, substantially air-impermeable, vibratile membrane, resonant over a wide range of frequencies and having a sufficiently high internal resistance to rapidly damp out free vibra-



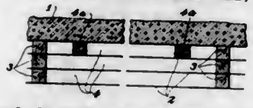
tions resulting from displacement caused by impingement of a sound wave thereupon, said membrane being exposed on its face to the sound to be absorbed and spaced from said base member.

2,081,953

SOUND DAMPING STRUCTURE

Leslie S. Perry, Chicago, Ill., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application September 8, 1932, Serial No. 632,157
7 Claims. (Cl. 154—44)



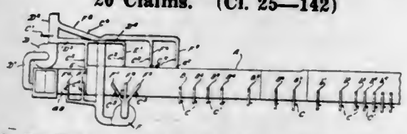
1. A sound damping structure, comprising an elastic, resonant, vibratile, air-impermeable sheet member, in unstretched condition, adapted to be set in vibration readily by incident sound and sound absorbing means disposed behind and in spaced relationship to the said sheet member.

2,081,954

TUNNEL KILN AND METHOD OF OPERATING SAME

Gordon Dudley Phillips, Portville, N. Y.

Application August 10, 1934, Serial No. 739,223
Renewed August 10, 1936
20 Claims. (Cl. 25—142)



1. In the operation of a continuous tunnel kiln, the method of regulating gas flow and temperatures in the preheating zone of the kiln which consists in withdrawing kiln gases at the low temperature end of said zone as required to maintain a suitably large volume of gas flow through a section of said zone adjacent said end, and in injecting hot gases into the lower portion of said section.

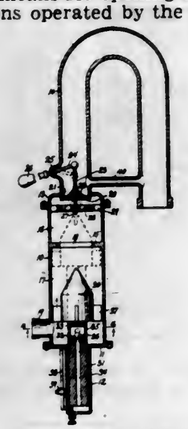
2,081,955

VALVE

Bo Folke Randel, San Diego, Calif.

Application April 4, 1936, Serial No. 72,774
6 Claims. (Cl. 137—93)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A valve comprising an inlet chamber provided with an inlet; an outlet chamber provided with an outlet, said chambers communicating with one another through a restricted opening; a valve member for controlling said outlet; manually operated means for opening said valve member; and means operated by the pressure of the



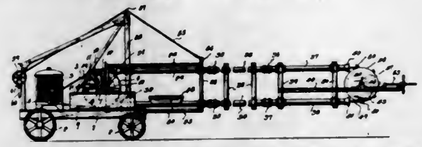
water flowing through said chambers for closing said opening after a predetermined quantity of water has passed therethrough to relieve the pressure of the water acting on said valve member and permit the same to close.

2,081,956

PORTABLE CONCRETE CONVEYER

William H. Reimann, Miami Shores, Fla.

Application December 18, 1935, Serial No. 55,113
4 Claims. (Cl. 198—122)



1. A concrete conveyer including a wheeled frame, a driven shaft mounted thereon, a relatively narrow adjusting frame supported at one end on and for free swinging movement relative to the shaft, upper and lower conduits rigid with the frame and extending in one direction beyond the frame, auxiliary conduit sections supported from and forming continuations of the upper and lower conduits carried by the frame, a feeding means driving wheel mounted on the shaft rearwardly of the swinging frame, an idler wheel carried by one of the auxiliary conduit sections, endless feeding means passing through the conduits of the swinging frame, the conduits of the auxiliary frames and over the driving and idler wheels, and a material hopper mounted in the swinging frame immediately above and in open communication with the lower conduit of that frame between the respective ends of such conduit.

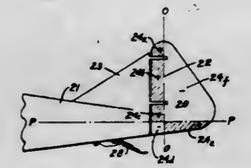
2,081,957

DYNAMIC BALANCE OF CONTROL SURFACES

Jean Alfred Roché, Dayton, Ohio

Application September 1, 1933, Serial No. 687,795
22 Claims. (Cl. 244—87)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of dynamically balancing an aircraft control surface adapted for movement about an axis of rotation for control and having its center of mass out of coincidence with and oscillatory about the elastic axis of its hinge support in flight which comprises the steps of oscillating said hinge support to determine the phase relation during oscillation of the control surface with



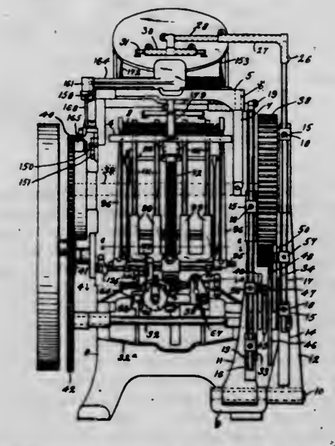
respect to its axis and of thereafter distributing the masses of said control surface in such a manner that the products of inertia of said control surface with respect to said elastic axis and hinge axis of said surface substantially equal zero.

2,081,958

SHEET TRANSFERRING MECHANISM FOR PRINTING PRESSES

Charles F. Root, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio

Application September 26, 1932, Serial No. 634,875
Renewed July 3, 1936
28 Claims. (Cl. 271—62)



1. In mechanism of the character described, the combination with the main supporting frame of a press, of an elevator table adapted to support sheets to be printed, means for movably supporting said table, and means for moving said table supporting means relatively to said frame and about a horizontal axis to occupy different sheet feeding positions.

2,081,959

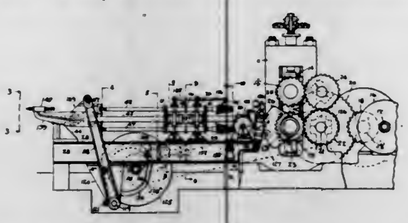
APPARATUS FOR MAKING ROLL FORGED ARTICLES

Floyd L. Scoutten, Hudson, Ohio, assignor to Mid-West Forge Company, Cleveland, Ohio, a corporation of Ohio

Application January 19, 1934, Serial No. 707,274
21 Claims. (Cl. 80—26)

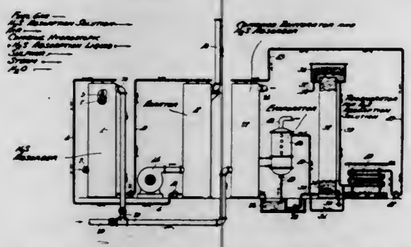
6. In combination with a mill for roll-forging bar blanks, said mill including a pair of cooperating dies providing a plurality of passes, a

spindle provided with a blank-holding chuck arranged to be successively aligned with each of said passes automatically and independently



of any act on the part of an operator, and means for positively reciprocating said spindle with respect to said dies.

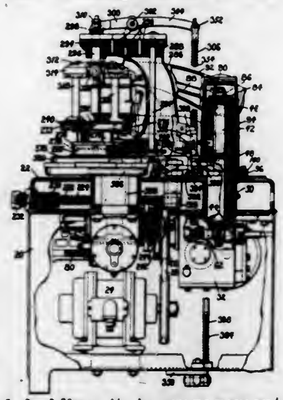
2,081,960
TREATMENT OF GASES
Frederick W. Sperr, Jr., Ventnor, N. J., assignor, by mesne assignments, to Koppers Company, a corporation of Delaware
Application October 28, 1931, Serial No. 571,511
4 Claims. (Cl. 23—3)



1. The process of dehydrating fuel gas and concurrently purifying it of hydrogen sulphide which comprises: scrubbing the gas while containing hydrogen sulphide and moisture with an alkaline hygroscopic solution containing a compound of a metal whose sulphide is normally insoluble so as to purify the gas of H_2S by absorption thereof and concurrently in a single scrubbing step dehydrate the fuel gas to the extent required to deliver the gas into municipal systems at a dew point lower than the temperatures encountered in the gas distribution system, the solution having both an affinity for the moisture of the gas and also an initial affinity for the sulphur of the hydrogen sulphide of the gas and the metal compound having an affinity for the sulphur absorbed by the liquid whereby the alkaline hygroscopic solution acts as a carrier of the sulphur from the gas to the metal compound as well as a dehydrating agent.

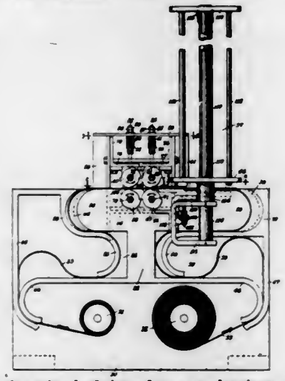
2,081,961
SHOE SOLE FITTING MACHINE
Ernest W. Stacey, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 9, 1935, Serial No. 39,716
14 Claims. (Cl. 12—17)

1. In a machine for operating upon soles, a jack mounted for sliding and rotative movement through a complete revolution to traverse the entire periphery of a sole supported by the jack past an operating point, a rotary cutter mounted to swing toward and away from said operating point, means for continuously rotating the cutter, means for rotating the jack, and means for swinging the rotating cutter to the operating



point and holding it in engagement with the sole throughout a complete revolution thereof.

2,081,962
CUTTING MACHINE OR THE LIKE AND DRIVE THEREFOR
Leonard B. Terhune, West Milford, N. J.
Application December 23, 1933, Serial No. 703,725
62 Claims. (Cl. 164—35)

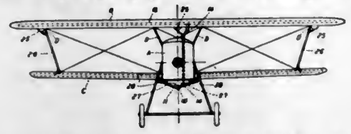


1. A mechanical drive for producing combined reciprocating and progressive movement comprising a driven member, drive means engaging the same to produce reciprocating movement thereof, and means associated with said drive means to cause said driven member to progressively feed at each reciprocation.

2,081,963
VAPOR HEATING SYSTEM
Theodore Theodorsen, Hampton, and William C. Clay, Buckroe Beach, Va.
Application September 26, 1935, Serial No. 42,234
1 Claim. (Cl. 244—134)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

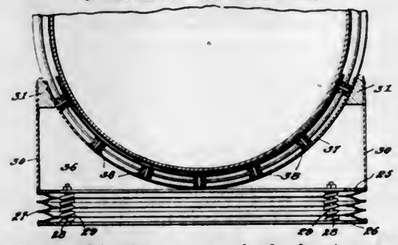
In an airplane having a fuselage, wings and a motor, a boiler heated by said motor for containing a supply of vaporizable liquid, a main conduit for conducting heated vapor from said boiler to the interior of said wings to heat the same and prevent the formation of ice thereon, said wings having sumps therein for collecting condensed vapor, a return conduit connecting

with said sumps for conducting condensed vapor from said wings back to said boiler, a portion of said return conduit passing through said main conduit for at least a portion of its length, to pre-



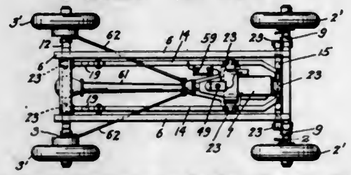
vent the condensed vapor from freezing, and rain slots provided in said wings for collecting moisture flowing rearwardly from the heated portions of said wings to prevent it freezing on the unheated portions thereof.

2,081,964
BUFFING PLATFORM
Charles H. Tomlinson, Mansfield, Ohio
Application December 16, 1933, Serial No. 702,816
9 Claims. (Cl. 105—21)



1. In combination a car body having a substantially semicircular end, a truck pivotally supporting said car body at substantially the center of said end, a car coupler mounted pivotally relative to said car body and movable with the truck and having a limited movement relative to the truck and a buffing platform carried by said car body, means on said car body and cooperating with complemental means on said platform for supporting said platform and for permitting the arcuate movement of said platform about the end of the car body, and a pair of arms depending downwardly from said platform and engaging the lateral faces of said couplers.

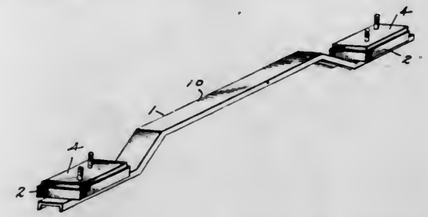
2,081,965
AUTOMOTIVE VEHICLE
Rolland S. Trott, Denver, Colo.
Application August 24, 1928, Serial No. 301,819
Renewed September 28, 1935
6 Claims. (Cl. 180—55)



1. In an automotive vehicle, the combination of a frame, means supporting said frame including an axle supported spring, an engine unit having a portion thereof mounted on the frame, and non-metallic resilient means supporting another portion of the engine unit on the spring.

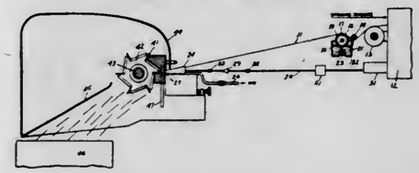
2,081,966
RAILWAY TIE
Ralph J. Wells, Dayton, Ohio
Application November 15, 1934, Serial No. 753,189
12 Claims. (Cl. 238—59)

2. A railway tie, including a pair of spaced receptacles containing resilient cushion material, rail supporting sleeper plates supported thereon, and a tie bar of less width than the receptacles extending therebeneath connecting the recep-



tacles one to the other whereby said receptacles project therebeyond into direct supporting contact with the road bed.

2,081,967
APPARATUS FOR COATING FILAMENTS AND STAPLE FIBERS
William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Original application October 27, 1933, Serial No. 695,503. Divided and this application February 13, 1935, Serial No. 6,404
1 Claim. (Cl. 91—14)



In a device for the production of staple fibers of improved properties from substantially continuous yarns or filaments, the combination with a suitable source of supply for said yarns or filaments, of a machine for cutting said yarns or filaments into relatively short lengths, means comprising a fluid under pressure for feeding said yarns or filaments to said cutting machine, means at one point for applying an anti-static dressing to said yarns or filaments during their travel from said source of supply to said cutting machine, lubricant applying means at a later point spaced from said anti-static dressing applying means, said lubricant applying means including a line for supplying lubricant of different polarity than the anti-static dressing, means in said line for atomizing said lubricant and means cooperating with said fluid under pressure for spraying said atomized lubricant onto said yarns or filaments.

2,081,968
LIQUID FILTER
John D. Wicks, Little Compton, R. I., and John N. Mowery, Worcester, Mass.; said Mowery assignor to T. Edward Aldham, Providence, R. I., and said Wicks assignor to Charles H. Eden, Providence, R. I.
Application August 2, 1932, Serial No. 627,230
4 Claims. (Cl. 210—131)

3. In a liquid filter, a casing, a cartridge having perforate ends and an imperforate side in said casing of a size smaller than the interior of the casing to leave a space between the vertical walls of the cartridge and the casing, said cartridge having sealed engagement with the casing adja-

cent its lower end, an inlet opening in said casing connecting with said space and below the top of



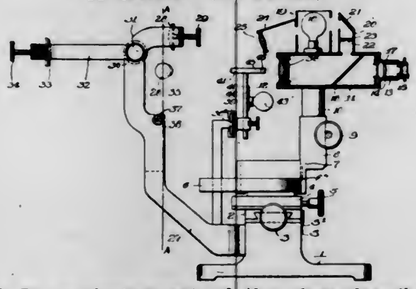
the cartridge to provide a trap in said space for the collection of sludge or the like.

2,081,969

INSTRUMENT FOR EXAMINING THE EYES

Clile C. Allen and George E. Park, Chicago, Ill., and Russell Smith Park, Richmond, Ky.

Application July 3, 1933, Serial No. 678,852
Renewed December 14, 1936
11 Claims. (Cl. 88—20)



1. In an instrument of the class described, means for securing the head of the patient in a fixed position, an illuminated target and an objective, means for projecting an image of said target to the first conjugate focal plane of said objective, means for positioning said focal plane posterior to and separated from the corneal vertex a distance equal to the radius of curvature of the corneal surface, a graduated reticule positioned at the second conjugate focal plane of said objective, and means for viewing at the plane of said reticule the image of said projected image reflected at said corneal surface.

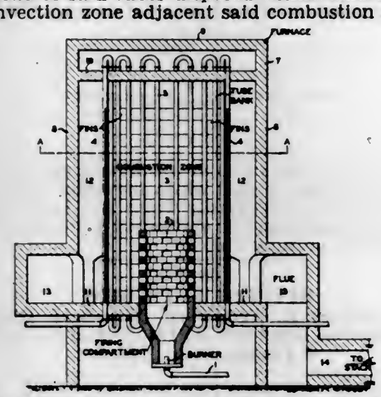
2,081,970

APPARATUS AND PROCESS FOR HEATING FLUIDS

Joseph G. Alther, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application July 23, 1930, Serial No. 470,088
Renewed August 7, 1935
4 Claims. (Cl. 196—116)

2. A furnace for heating hydrocarbon oil, comprising a housing, a combustion zone and source of heat therein, a plurality of serially connected heating tubes disposed around said combustion zone, fins projecting from the peripheral surfaces of said tubes in substantial overlapped relation to form a substantially continuous walled enclosure about said combustion zone and impart radiant heat to the partial peripheral surface portions of said tubes disposed within said zone, a convection zone adjacent said combustion zone



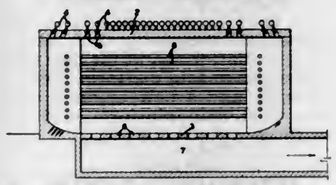
within which the opposite partial peripheral surface portions of said tubes are heated concurrently by convection, and means to pass products of combustion from said combustion zone to said convection zone.

2,081,971

PROCESS OF HEATING OIL TO CRACKING TEMPERATURES

Joseph G. Alther, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application February 15, 1932, Serial No. 592,972
Renewed October 21, 1935
1 Claim. (Cl. 196—47)



In the heating of hydrocarbon oils to cracking temperatures, the method which comprises passing the oil through a plurality of substantially horizontal conduits superimposed one above the other in a vertical plane within the furnace, projecting flame downwardly through the furnace on opposite sides of said plane, and transmitting direct radiant heat at a substantially uniform rate from the flames to the entire external surface of each of the conduits, and simultaneously maintaining a positive flow of hot combustion gases from a portion of the flames between and around the conduits.

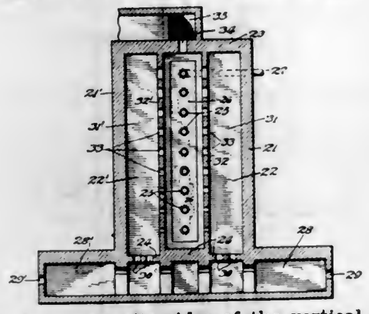
2,081,972

PROCESS AND APPARATUS FOR HEATING FLUIDS

Joseph G. Alther, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application June 4, 1932, Serial No. 615,359
Renewed October 7, 1936
4 Claims. (Cl. 122—356)

1. A method of heating fluids wherein the fluid is passed through a plurality of substantially horizontal restricted conduits superimposed one above the other in a common vertical plane within a heating zone, the improvement which consists in supplying hot combustion products from independent sources of combustion to the heating zone on opposite sides of the vertical plane of the conduits, and dividing the combustion products on each side of said plane into a plurality of streams directed against the conduits.

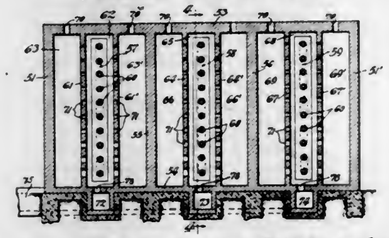


2,081,973

METHOD OF HEATING FLUIDS

Joseph G. Alther, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application June 4, 1932, Serial No. 615,361
Renewed August 11, 1936
7 Claims. (Cl. 122—356)



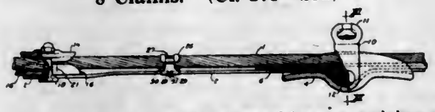
1. In a process for heating fluid in a plurality of banks of fluid conduits comprising connected elongated passageways vertically super-imposed in a heating zone and equi-spaced from the adjacent side walls of the heating zone, the improvement which comprises subjecting the exterior portions of said side walls to heat of sufficient intensity whereby the opposite surfaces thereof radiate heat simultaneously to opposite sides of each passageway, causing hot products of combustion to pass through openings in said walls and bringing same into contact with opposite sides of each passageway.

2,081,974

CABLE SUSPENSION

Edwin E. Arnold, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 11, 1935, Serial No. 1,292
8 Claims. (Cl. 173—251)



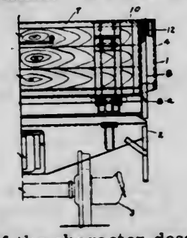
1. A suspension device for cables comprising an elongated strip of spring material for disposition beneath the cable longitudinally thereof, means for rigidly clamping the ends of said strip to the cable, a shoe engaging substantially the midpoint of said strip in supporting relation, means for pivotally supporting said shoe, a spacing member of softer material than said cable between said strip and cable within said shoe, and correspondingly shaped portions on said spacing member, strip and shoe interfitted to prevent relative displacement therebetween in a direction parallel to the cable axis.

2,081,975

CAR CONSTRUCTION

John P. Anderson, Koppel, Pa., assignor, by mesne assignments, to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application December 15, 1933, Serial No. 702,535
2 Claims. (Cl. 105—258)



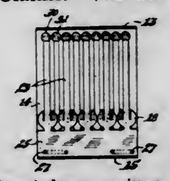
1. In a car of the character described, in combination, a body, a door forming the end wall of the body and hinged adjacent the floor thereof for outward movement, a vertically disposed post at each corner of the body, a bracket on the post having outwardly disposed spaced arms, a member on the door engaging between said arms when the door is in raised position and means securing the member between said arms.

2,081,976

SMOKING DEVICE

James C. Anderson, Highland Park, Ill.

Application May 4, 1934, Serial No. 723,874
6 Claims. (Cl. 131—59)



1. A tamp for tobacco pipes, said tamp being made of paper or the like, including an elongated portion, said elongated portion having an integral head formed in the same plane with said elongated portion, said head being slitted so as to permit said elongated portion to be bent by a single bend to a plane perpendicular to the plane of the head and centrally thereof.

2,081,977

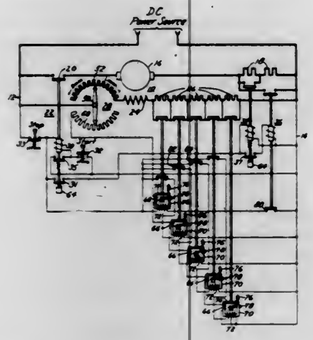
ACCELERATION CONTROL SYSTEM

Waldemar I. Bendz, Arlington, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 31, 1936, Serial No. 98,757
7 Claims. (Cl. 172—288)

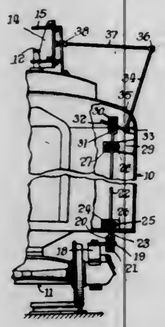
2. In a system comprising an electric motor, a device for adjusting the operating speed thereof, and starting means including apparatus adapted

progressively to increase the speed of the motor in a plurality of time-spaced steps, the com-



bination of means for varying the time-spacing of said steps in accordance with the speed setting of said device.

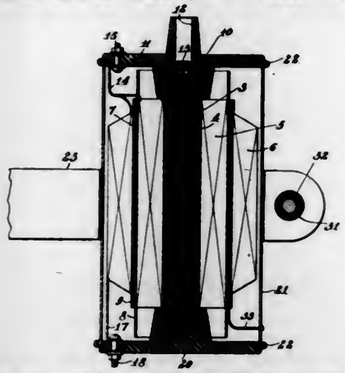
2,081,978
VEHICLE STABILIZER
Oliver R. Benson, Chicago, Ill.
Application May 11, 1935, Serial No. 20,943
7 Claims. (Cl. 105—210)



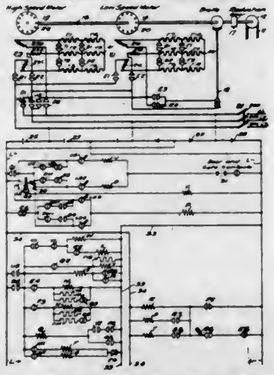
1. In a device of the character described, the combination with a vehicle, of a stabilizer fin pivotally mounted on the body of said vehicle, and means actuated by relative vertical movement of the body and truck of the vehicle for angling said fin in a direction to create air resistance thereon to a sidewise tipping tendency of said body.

2,081,979
IGNITION COIL SYSTEM
Ferdon D. Bentley, Detroit, Mich., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 28, 1934, Serial No. 741,763
12 Claims. (Cl. 175—361)

1. An ignition circuit transformer comprising a core member, primary and secondary windings, an electrostatic shield separating the primary from the secondary, insulating means disposed internally and externally of said shield, a terminal post common to the outer lead of the inner winding and to the inner lead of the outer winding, a grounded metallic outer casing, and means including an electrical connection between said shield and said casing for substantially suppressing the effects of ignition-circuit interference upon a nearby radio apparatus.

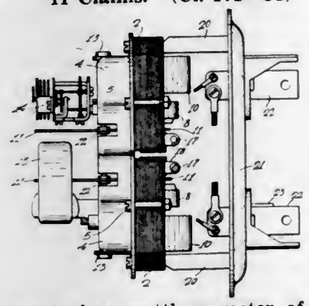


2,081,980
ELEVATOR CONTROL SYSTEM
Edgar M. Bouton and Harold W. Williams, Chicago, Ill., assignors to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application July 11, 1936, Serial No. 90,095
16 Claims. (Cl. 172—152)



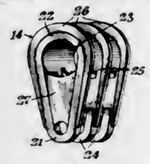
16. In an elevator system for operating a car serving a plurality of floors, a low speed motor and a high speed motor, a controller, means responsive to operation of the controller to its low speed position for energizing the low speed motor, means responsive to operation of the controller to its "off" position for deenergizing the low speed motor to stop the car, means responsive to operation of the controller to its high speed position for causing the high speed motor to operate the car at high speed, means responsive to operation of the controller from its high speed position to its low speed position for decelerating and stopping the car at the next floor, a selective device responsive to operation of the controller from its "off" position to its low speed position, means responsive to operation of the controller to its high speed position for causing the selective device to prevent operation of the decelerating means for a predetermined time after the controller is operated to its high speed position, impedance means connected with the low speed motor for varying its torque, means responsive to operation of the controller to its low speed position for varying the impedance at one rate, and means responsive to operation of the controller to its high speed position for controlling the impedance varying means to operate at a rate different from said first named rate when the low speed motor is next energized in deceleration of the car from high speed.

2,081,981
DETACHABLE POLYPHASE WATTHOUR METER
William M. Bradshaw, Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 24, 1935, Serial No. 46,513
11 Claims. (Cl. 171—34)



9. In a polyphase watthour meter, of the induction type, two single-phase electromagnets, each comprising an air gap for receiving a disc armature and current and potential windings on one side of said air gap, means for mounting said electromagnets with said air gaps adjacent to each other and separating the winding on one electromagnet from those on the other.

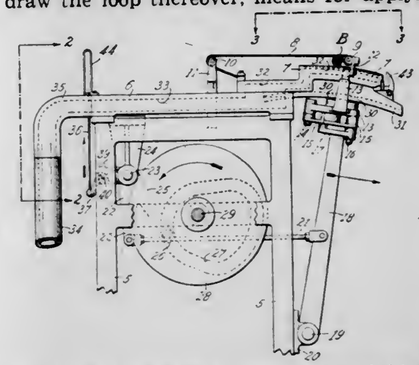
2,081,982
CRUSHER PITMAN
Gordon Buchanan, East Orange, N. J., assignor to Pennsylvania Crusher Company, Philadelphia, Pa., a corporation of New York
Application February 14, 1934, Serial No. 711,177
2 Claims. (Cl. 74—579)



2. A pitman for acting in tension in a crusher or the like, comprising a strap member bent into a closed loop with one end of larger diameter than the other and with the abutting ends of the strap joined at said larger diameter end, said smaller diameter end having openings forming it into spaced straps adapted to carry a toggle shaft and permit toggle arms to engage said shaft in substantial alignment from opposite sides thereof through the spaces between said straps, said loop having reinforcing strips extending down to said straps along both its inner and outer surfaces.

2,081,983
BUNCH ROLLING TABLE SUCTION CONTROL
Hjalmar E. Carlson, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application April 17, 1935, Serial No. 16,826
1 Claim. (Cl. 131—42)

In a bunch rolling device, the combination with a curved bunch rolling table for rolling tapered bunches, having a perforated top and a suction chamber beneath said top, of a bunch rolling apron extending over the top of said table, a bunch rolling pin arranged to engage and form a conical loop in said apron, means for swinging said rolling pin to and fro in a horizontally curved path along the top of said table to draw the loop thereover, means for applying

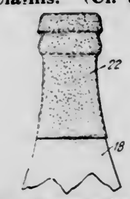


suction to said chamber to retain a bunch binder on said apron in position to be applied during the forward movement of said rolling pin to a bunch deposited in said loop, and mechanism for cutting off the suction in said chamber during the return movement of said rolling pin to free said apron and prevent catching of its folds under the pin.

2,081,984
PROCESS FOR OBTAINING BERYLLIUM FLUORIDE SOLUTIONS
Harry C. Claflin, Marysville, Mich., assignor to The Beryllium Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 26, 1934, Serial No. 732,437
1 Claim. (Cl. 23—16)

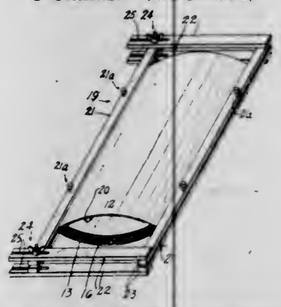
The process of solubilizing the beryllium content of beryllium containing ores including the step of contacting the ore with gaseous silicon fluoride in the presence of heat and the absence of any other reactant, and leaching with water.

2,081,985
METALLIZED PRODUCT AND PROCESS FOR PREPARING THE SAME
Ralph T. K. Cornwell, Fredericksburg, Va., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application November 23, 1934, Serial No. 754,397
11 Claims. (Cl. 91—68)



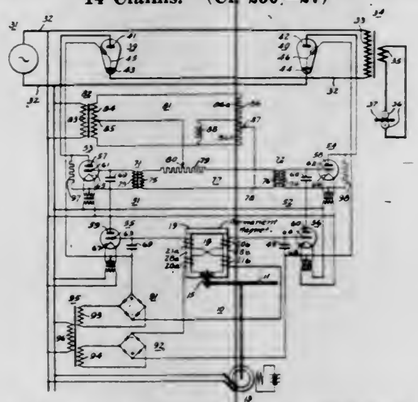
1. As an article of manufacture a film base of non-fibrous, non-porous, flexible, organic material having a strongly adherent coating of a metal sulfide, the exposed surface of said coating being uniform and having a uniform metallic lustre, said coating being produced by treating said material with a solution of a heavy salt, and thereafter subjecting treated material to the action of a sulfur containing gas.

2,081,986
METHOD OF MAKING COMFORTERS
Julius Davis, New York, N. Y.
Application December 19, 1936, Serial No. 116,682
5 Claims. (Cl. 5—334)



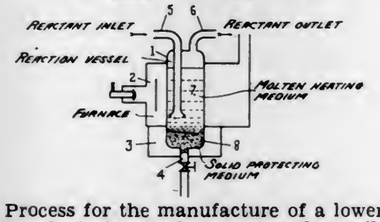
5. The method of making a comforter including generally horizontally supporting a comforter case at opposite edges thereof, with said opposite edges moved toward each other and with the lower case wall sagging downwardly, raising the upper case wall and distributing loose filling material into the case upon the lower case wall, moving the said opposite edges apart to render the case taut to restrain movement of the filling material, and then securing the filling material against shifting in the case.

2,081,987
ELECTRICAL CONTROL SYSTEM
John W. Dawson, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 16, 1936, Serial No. 59,402
14 Claims. (Cl. 250—27)



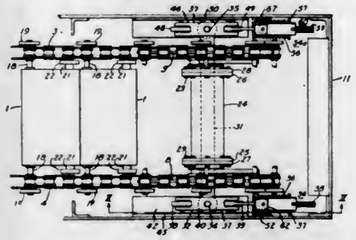
12. An electric control system comprising, in combination, circuit means for connecting a load device to a source of alternating current, a pair of inversely connected electric valves interposed in said circuit means for permitting succeeding half cycles of the alternating current to flow to said load device, a control circuit for each of said valves, a core composed of magnetic material having a gap therein, a pair of control windings on said core, each being individually connected to a control circuit, means for applying a magnetomotive force to said core, a plate provided with a plurality of transverse openings near the periphery thereof, means for rotating said plate in synchronism with the frequency of the alternating current, and a plurality of pins of magnetic material each corresponding to a half cycle of the alternating current positioned in said openings and disposed to be moved relative to said gap to vary the reluctance thereof during each half cycle of the alternating current, thereby effecting the induction of a voltage in each of said control windings to change the state of conduction of said valves.

2,081,988
MANUFACTURE OF LOWER ALIPHATIC ANHYDRIDES
Henry Dreyfus, London, England
Application January 4, 1934, Serial No. 705,217
In Great Britain January 10, 1933
6 Claims. (Cl. 260—123)



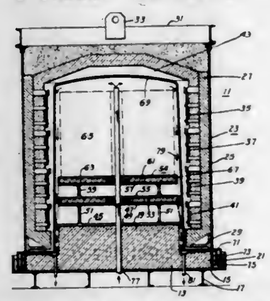
1. Process for the manufacture of a lower aliphatic anhydride, which comprises thermally decomposing the vapor of the corresponding acid by passage through a molten medium maintained at a high temperature by heat supplied to the molten medium through the side walls of the reaction vessel containing the same, which molten medium is corrosive to the material of said reaction vessel, maintaining the bottom wall of said reaction vessel at a lower temperature than that of the main body of molten medium and protecting said bottom wall from contact with the molten medium by means of material in the solid state of the same composition as the molten medium.

2,081,989
MOVING STAIRWAY
James Dunlop, Park Ridge, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application November 21, 1934, Serial No. 754,029
7 Claims. (Cl. 198—16)



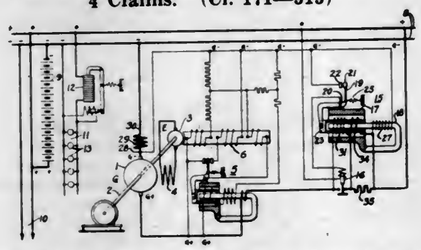
1. In a moving stairway provided with a plurality of steps disposed between an upper and a lower landing, a pair of gear chains for operating said steps, a pair of sprocket wheels disposed at each landing for supporting and operating the gear chains, means for driving the sprocket wheels at one landing, a carriage at the other landing for supporting the sprocket wheels at that landing, a plurality of carriage supporting wheels, a track for the carriage supporting wheels, an anti-friction device mounted on each outer side of the carriage to project therefrom at approximately midway between the front end and the rear end of the carriage, and means disposed at each side of the stairway for cooperation with the anti-friction devices to guide the movement of the carriage and to facilitate pivotal movement of the carriage in a horizontal plane.

2,081,990
FURNACE
Josef Eberwein, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 31, 1935, Serial No. 4,286
8 Claims. (Cl. 266—5)



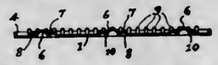
1. A heat treating furnace comprising in combination, a flat base, a furnace casing thereabove cooperating with the base to enclose a metallic charge supported on the base, a skeleton frame work having a relatively low thermal conductivity on the base, a metal-bound layer of substantially solid heat-insulating material having high thermal reluctance on the skeleton frame work directly operatively supporting a charge to be heat treated, and an extended electric heating means in the furnace casing for heating the charge and having a bottom section thereof located below the plane of said layer to supply heat to the skeleton frame and the bottom of the layer of solid heat-insulating material.

2,081,991
REVERSE-CURRENT SWITCH
Donald W. Exner, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 7, 1932, Serial No. 621,224
4 Claims. (Cl. 171—313)



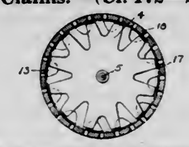
1. Relaying means including terminals for two sources, switch contact means operable to closed position for interconnecting the terminals of the two sources, said switch contact means being so constructed and arranged that it is normally biased to open position, a series relay-coil in series relation in said interconnection, and a shunt relay-coil shunting said switch contact means, the design and arrangement of said relaying means being such as to develop actuating forces in response to the resultant energizations of the respective coils, the connections and operative arrangements being such that the series relay-coil is energized substantially proportionately to the current through said switch contact means whenever the latter is closed, whereas the shunt relay-coil is energized substantially proportionately to the voltage across said switch contact means whenever the latter is open, the relative magnitude of the switch-contact biasing-force as compared to the ampere-turns and magnetic forces developed by the series and shunt relay-coils being such that said shunt relay-coil operates to cause the switch contact means to close against the biasing force thereof in response only to a predetermined material magnitude and a predetermined direction of said voltage, so that a current which is at least of a predetermined material magnitude will flow between said sources immediately upon the closure of said switch contact means, said series relay-coil being sufficiently strong to keep the switch contact means closed, against the biasing-force thereof, when said shunt relay-coil is shunted by said switch contact means, until the current in said series relay-coil falls to a value which is materially greater than zero and materially lower than its initial value which it had when the switch contact means first closed, the biasing force of said relaying means thereupon overpowering the actuating force developed by said series relay-coil so as to initiate the opening of the switch contact means, whereby said shunt relay-coil will not immediately again close the switch contact means when the series relay-coil has ceased to hold it in its closed position.

2,081,992
BATHTUB MAT
Joseph G. Gavlak, Monongahela, Pa.
Application March 12, 1936, Serial No. 68,369
1 Claim. (Cl. 4—185)



The combination with a flexible mat for a bathtub bottom, of a plurality of suction cups formed integral with the mat and having their openings at the bottom side of the latter, each of said suction cups being closely surrounded by an upwardly projecting compressible hollow rib providing an annular groove at the bottom side of the mat to allow the spread of the depressed suction cup without disturbing the flatness of the bottom side of the mat on the bottom of the bathtub.

2,081,993
SMALL SYNCHRONOUS MOTOR
Wilhelm Gebhardt, Nuremberg, and Siegfried Franck, Stein, near Nuremberg, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1935, Serial No. 54,224
In Germany February 8, 1935
16 Claims. (Cl. 172—275)



7. A synchronous motor comprising two magnetizable cores joined end-to-end, a single-phase

coil on each of said cores, toothed magnetizable frame-means comprising disk-portions mounted at the free ends of said cores and at the joined ends of said cores, respectively, the toothed magnetizable frame-means which are associated with the opposite ends of each core having cooperatively associated teeth to provide a field-pole structure, means for causing the fluxes in the field-pole structure of one of said coils to be displaced in time-phase from the corresponding fluxes in the other field-pole structure, a rotor-shaft extending through the two cores, and a rotor armature member mounted on each end of the shaft and cooperating with the respective field-pole structures.

2,081,994

METHOD OF PLUCKING POULTRY

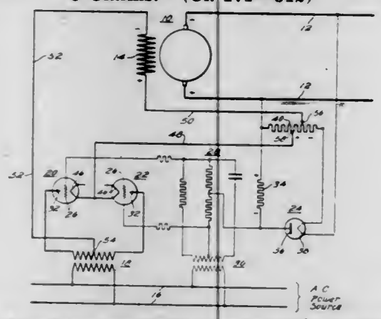
Nathaniel Hew Grace, Ottawa, Ontario, Canada
No Drawing. Application November 18, 1935, Serial No. 50,368. In Canada February 12, 1935
2 Claims. (Cl. 17—45)

1. A method of dressing poultry comprising cooling the rough plucked warm carcass to a skin temperature between 90° and 70° F., at which a waxy composition containing rosin will grip and adhere to hair, pins and the like but not smear the skin of the carcass, coating the so-cooled carcass with a congealable composition containing paraffin, rosin in the proportion of 30 to 40 per cent and one of a group including fat and gum damar, cooling the carcass to congeal the adhering composition and removing the composition with hair, pins and the like.

2,081,995

REGULATING SYSTEM

Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 16, 1935, Serial No. 31,628
6 Claims. (Cl. 171—312)

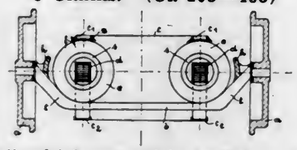


1. A voltage-regulating system for an electrical generator having a field winding comprising a source of alternating-current power, a gas-filled electronic tube having a grid element and anode and cathode elements connected intermediate said field winding and said power source, means for influencing said grid by a wave of control voltage of displaced phase relation with respect to the power source voltage, a detector tube having an anode and a filamentary cathode, a circuit, including an impedor, for maintaining said anode at a positive potential with respect to said cathode, means for superimposing upon said control-voltage wave the voltage-drop across said impedor, and means for energizing said cathode by a measure of the voltage of said generator.

2,081,996

RAIL VEHICLE

Oskar Hacker, Wiener-Neustadt, Austria, assignor to the firm Austro-Daimler-Puchwerke A-G., Wiener-Neustadt, Austria
Application March 28, 1933, Serial No. 663,127
In Austria September 16, 1932
6 Claims. (Cl. 105—453)

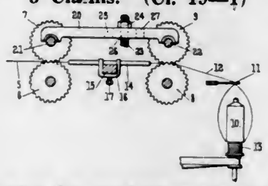


1. A rail vehicle comprising a frame, pneumatic cushions for supporting the said frame, which cushions are adapted elastically to transmit and damp both forces due to vertical shocks and forces due to horizontal shocks, and wheel axles supporting said cushions and having cranked parts forming lateral stops for engagement with the pneumatic cushions enabling the pneumatic cushions to take up lateral or horizontal forces or shocks, as and for the purpose set forth.

2,081,997

TEXTILE OPERATION

Frank Corbyn Hale and George Crawford Tyce, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application February 20, 1934, Serial No. 712,148
In Great Britain March 23, 1933
5 Claims. (Cl. 19—1)

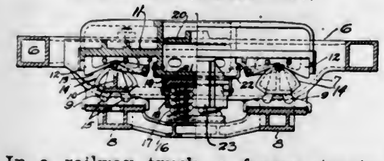


3. Apparatus for producing staple fibres from continuous filaments, comprising pairs of nip rollers arranged in parallel relation and adapted to grip continuous filaments and subject them to a breaking tension, and a member disposed between one pair of nip rollers and the next, said member having a passage therein extending from a point near the nip of one pair of rollers to a point near the nip of the next pair of rollers and adapted to confine substantially the whole of the length of filaments passing from one pair of rollers to the next within a space which is restricted laterally of the filaments.

2,081,998

RAILWAY TRUCK STRUCTURE

Einar G. Hallquist, Wallingford, and James C. Travilla, Jr., Philadelphia, Pa., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application November 20, 1933, Serial No. 698,770
19 Claims. (Cl. 105—187)



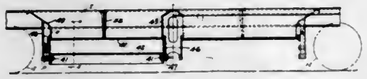
1. In a railway truck, a frame structure, a load carrying structure movable laterally thereof,

a gravity centering device between said structures and partially supporting said carrying structure, and mechanism for dampening the relative oscillation of said structures, said mechanism partially supporting said carrying structure.

2,081,999

RAILWAY CAR

Einar G. Hallquist, Wallingford, Pa., and Leonard Visser, Granite City, Ill., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Original application May 19, 1933, Serial No. 671,854, now Patent No. 2,042,151, dated May 26, 1936. Divided and this application September 3, 1935, Serial No. 38,924
8 Claims. (Cl. 105—247)



1. In a hopper car, downwardly converging side walls, triangular shaped end walls extending therebetween, the lower portions of said end walls being offset outwardly of the hopper discharge opening, the upper elements of said offset portions being arched between the sides of the discharge opening, and a door extending between said end walls and projecting into the offset portions thereof and having an arched formation fitting said elements and being arranged to tilt about the axis of the arched elements to either side of the discharge opening.

2,082,000

PROCESS FOR CONCENTRATING ALIPHATIC ACIDS

Clifford I. Haney, Drummondville, Quebec, Canada, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 31, 1933, Serial No. 695,967
17 Claims. (Cl. 260—122)

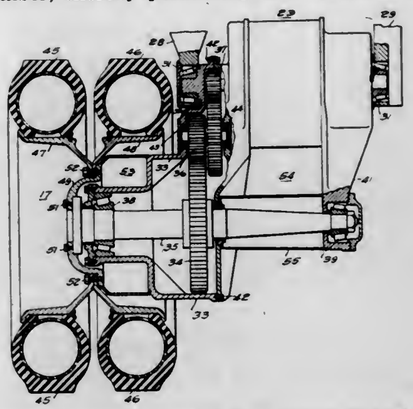
3. Process for the concentration of dilute aliphatic acids, which comprises vaporizing a dilute aliphatic acid, bringing the vapor so produced into contact with a substantially dry salt capable of forming a double salt with the aliphatic acid, maintaining the double salt in a substantially dry state, and decomposing the double salt to produce concentrated aliphatic acid.

2,082,001

VEHICLE STRUCTURE

Harold F. Hanson, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 8, 1934, Serial No. 738,984
4 Claims. (Cl. 180—22)

1. In a vehicle truck, in combination, a truck frame, a motor having its shaft disposed transversely of the truck, the motor frame being rotatively mounted in the truck frame on an axis through the longitudinal center line of the motor, arms extending from the motor frame, a wheel axle rotatively mounted in said arms, a reduction gearing interposed between the motor shaft and the wheel axle to transmit power from the motor to the axle, a gear case for enclosing the reduction gearing, and spring means for resiliently connecting the gear case to said frame member, thereby permitting the wheel axle to

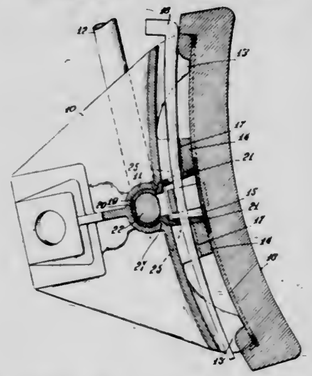


oscillate about the longitudinal center line of the motor.

2,082,002

BRAKEHEAD WEAR RECEIVING ELEMENT

Victor H. Harbert, Chicago, Ill., assignor, by mesne assignments, to Illinois Railway Equipment Company, a corporation of Illinois
Application February 1, 1932, Serial No. 590,090
13 Claims. (Cl. 188—236)



10. A brake head formed with a recess for receiving a brake shoe lug and hanger, and a removable bushing secured in said recess for protecting the head from wear by both lug and hanger.

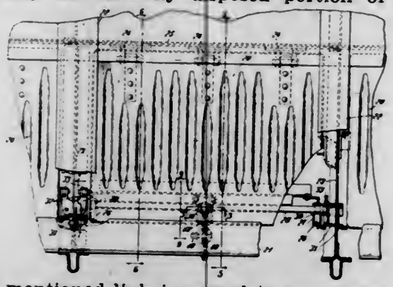
2,082,003

DUMP CAR DOOR OPERATING MECHANISM

Victor H. Harbert, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application April 6, 1935, Serial No. 15,068
18 Claims. (Cl. 105—286)

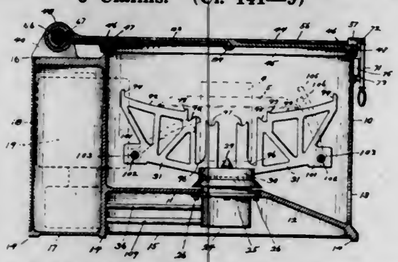
1. Dump car door operating mechanism comprising, in combination with a downwardly swinging door, a link oscillatably and movably secured to the bottom of the door adjacent the side thereof and provided with a laterally disposed portion; a link pivotally secured at the side of the door opening to a transverse floor beam; the lower ends of both links being pivotally secured together; a socket arranged on the transverse floor beam and open at one end; and means

whereby the laterally disposed portion of the



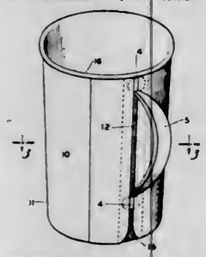
first mentioned link is caused to move into said socket when the door is closed.

2,082,004
DISHWASHING MACHINE
Charles A. Hull, Poughkeepsie, N. Y.
Application November 29, 1933, Serial No. 700,165
6 Claims. (Cl. 141—9)



1. A food receptacle washer and dryer comprising a closed cylindrical casing, a cleaning fluid supply container attached thereto and having spray nozzles connected therewith for feeding liquid from the container, an upright mounted in said casing in axial relation thereto, a rotatable support mounted in said casing upon said upright for supporting and rotating the receptacle during the operation of washing and drying, a motor attached to said casing for rotating said support, means carried by said support for centering the receptacle thereon and holding the same in a rigid manner by the rotation of said support, a cover for said casing and means contained in said cover for starting and stopping said motor and regulating the injection of the cleaning liquid, through said nozzles.

2,082,005
VESSEL
Henry Jenett, Englewood, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
Application July 17, 1933, Serial No. 680,727
2 Claims. (Cl. 229—52)



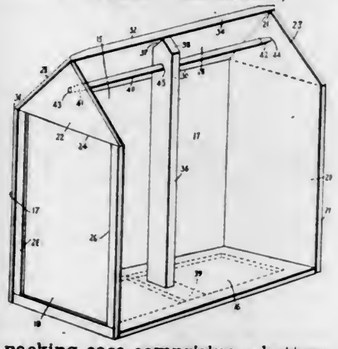
1. A cup or vessel adapted to contain a liquid and having a side formed of a single sheet of material, a portion of said sheet being folded upon itself to form a passageway for the reception of a separable handle.

2,082,006
PROCESS FOR REMOVING AND RECOVERING SULPHUR DIOXIDE FROM WASTE GASES
Henry F. Johnstone, Urbana, Ill., assignor to Board of Trustees of the University of Illinois, Urbana, Ill., a corporation of Illinois
No Drawing. Application April 10, 1933, Serial No. 665,337
18 Claims. (Cl. 23—178)

2. The process of removing and recovering sulphur dioxide from waste gases, which comprises washing said gases to absorb sulphur dioxide from said gases by an aqueous solution of a salt of sulphanilic acid, and heating said solution to liberate the absorbed sulphur dioxide.

17. The process of removing and recovering sulphur dioxide from waste gases which comprises washing said gases to absorb sulphur dioxide by a cooled aqueous solution of a salt of an organic acid whose acidity increases with temperature increases from substantially 35° C. to 100° C., said acid being substantially inactive in the solution at the lower temperature, and thereafter heating said solution to approximately the boiling point to increase the acidity of said solution and thereby increase the rate of liberation of the absorbed sulphur dioxide.

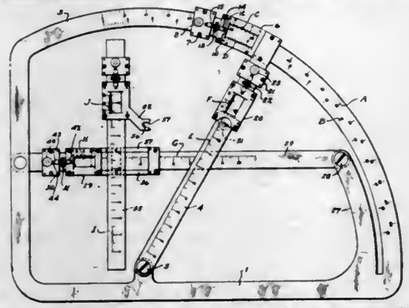
2,082,007
PACKING CASE
Bernard Benjamin Joseph, Montreal, Quebec, Canada
Application September 6, 1935, Serial No. 39,474
3 Claims. (Cl. 206—7)



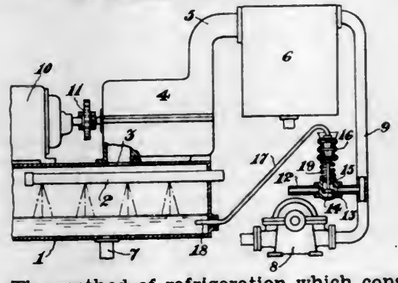
1. A packing case comprising a bottom, spaced apart vertical ends permanently secured to the bottom, a back wall permanently secured to the end walls, a top wall secured to said walls, a supporting bar extending between and carried by both end walls at its ends and spaced downwardly from the top wall appreciably for selective removal of garment hangers from said bar without disruption of the case, and a front wall removably secured to the end walls for detachment therefrom and exposing the interior of the case approximately throughout its length and to the supporting bar.

2,082,008
CALCULATING AND INDICATING MECHANISM
William J. Kauffman, Summit, N. J.
Application February 26, 1931, Serial No. 518,403
Renewed October 17, 1936
3 Claims. (Cl. 33—97)

3. A device for indicating and calculating angular and linear quantities including in combination an arcuate scale, a linear scale fixed with respect thereto to form one leg of a right angled triangle, a pivoted scale for forming the hypothenuse, and a second linear scale right angularly disposed and slidable in a path perpendicular to the fixed linear scale, and guiding means for constraining the second linear scale to move in a purely rectilinear path with respect to the fixed linear scale, said means comprising a guide slidable on the fixed scale and centrally disposed relatively to the movable scale, and a settable indicator freely slidable along said movable linear scale and having pivotal connection with the hypothenuse scale.



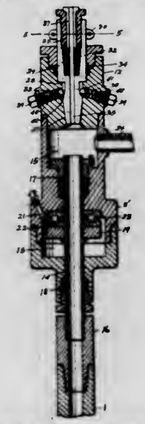
2,082,009
CONTROLLING APPARATUS
John Kirgan, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application April 30, 1936, Serial No. 77,171
12 Claims. (Cl. 62—115)



1. The method of refrigeration which consists in vaporizing a part of a liquid refrigerant to chill same, removing and compressing the vapor thus formed into a confined space for liquefaction, evacuating said space, and automatically varying the rate of evacuation of said space in response to the temperature of said chilled refrigerant to maintain the pressure in said space and the temperature of the chilled refrigerant above certain predetermined minimums.

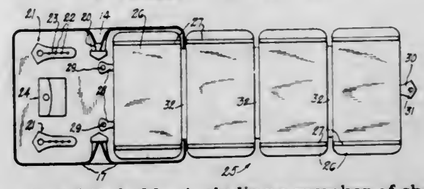
2,082,010
ROTARY SWIVEL FOR REMOVABLE WIRE LINE DRILLS
Charles H. Lane and Crawford K. Stillwagon, Houston, Tex.
Application March 19, 1935, Serial No. 11,762
2 Claims. (Cl. 255—25)

1. Apparatus of the character described comprising a circulating head having a housing at the lower end thereof, a tubular spindle extended axially into the housing, said head having a circulating chamber into which the upper end of the spindle extends, a drill stem attached to the lower end of the spindle, antifriction means supporting the circulating head on the spindle, an inlet



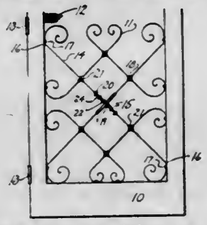
line entering the chamber, a packing unit closing the upper end of said chamber, a stuffing box in the packing unit to permit the operation of a cable therethrough and yieldable means for releasably holding the packing unit in place.

2,082,011
NECKTIE HOLDER
Martin L. Lee, Brooklyn, N. Y.
Application June 17, 1936, Serial No. 85,672
8 Claims. (Cl. 206—7)



1. A necktie holder including a member of sheet material, a tension coil spring extending thereabout, a pair of rivets riveted into the member, the coil spring having end portions coiled around the rivets beneath the preformed heads thereof, and a tubular element of a flexible material sleeved over the spring.

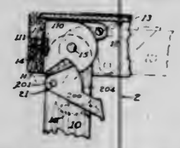
2,082,012
ADJUSTABLE DOOR BRACE
Paul W. Leffland, Dallas, Tex.
Application February 3, 1933, Serial No. 655,012
15 Claims. (Cl. 20—38)



1. A door brace comprising a plurality of spaced metallic bands, crossed at substantially right angles by a plurality of like bands; pivotal engagements between the said bands at the points

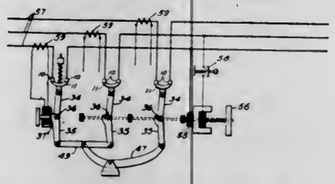
where they cross, to form an expansible grille; one transverse band to have means near its ends for firmly attaching it to the door, said band to be bent in a sharp angle at each point of attachment to the door; and the free ends of said band, beyond its point of attachment to the door, returned in loose scrolls to form ornamental protection to the door.

2,082,013
FOLDING TABLE
Dewey S. Lewis, Louisville, Ky., assignor to Adler Manufacturing Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application May 3, 1935, Serial No. 19,541
7 Claims. (Cl. 311—99)



6. A folding table comprising a top and a leg swingably connected thereto by a shaft mounted in a yoke secured to the top, said yoke having a pair of arms which embrace corelated faces of the leg, a spring pressed locking lever pivoted to the leg and having concentric arcuate cam faces formed in the edge of same, the edge of each arm of said yoke being formed with a cam which terminates in a deep notch to receive the faces of said lever and form a stop for the latter and thereby secure the leg in the extended position.

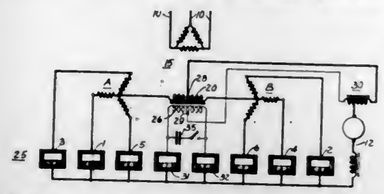
2,082,014
CIRCUIT BREAKER
Ture Lindstrom, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 2, 1935, Serial No. 14,236
14 Claims. (Cl. 200—107)



1. In a multiple pole circuit breaker, in combination, a plurality of cooperating switch members, and means for supporting the switch members for each pole in pressure engagement, said supporting means including a pivoted member through which the pressure is applied and about the pivot of which the pressures applied to the different poles are balanced.

2,082,015
ELECTRIC VALVE CONVERTING SYSTEM
Leon R. Ludwig, Forest Hills, and Herbert A. Rose, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1935, Serial No. 47,454
14 Claims. (Cl. 175—363)

1. An electrical conversion system, for transferring energy between an alternating and a direct-current circuit, a converter comprising a plurality of groups of electric valves, a transformer for connecting said valves to the circuits, a plurality of winding groups in said transformer, each of said winding groups being connected to one of said valve groups, an intermediate winding connected between said winding groups, an

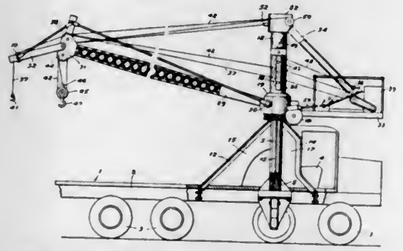


auxiliary winding inductively associated with said intermediate winding and means connected to said auxiliary winding for transferring energy between said intermediate winding and one of said circuits, and means connected to said auxiliary winding for supplying wattless current to said intermediate winding.

2,082,016
PLASTIC SEALING COMPOSITION
Byron V. McBride, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 16, 1936, Serial No. 59,418
6 Claims. (Cl. 106—8)

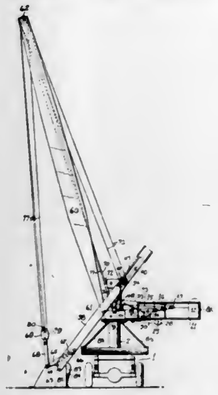
1. A plastic sealing composition comprising, in combination, from about 60% to 35% by weight of a metallic powder having a good thermal conductivity, from about 5% to 22% by weight of a natural resin selected from the group consisting of copal, damar and kauri, and from about 35% to 43% by weight of a non-drying oil.

2,082,017
PORTABLE CRANE
Grover A. McClain, San Francisco, Calif., assignor of one-tenth to James Harry Layne, Alameda, Calif., one-tenth to Harold L. McClain, and one-tenth to Romey McClain, both of San Francisco, Calif.
Application May 18, 1935, Serial No. 22,273
6 Claims. (Cl. 212—59)



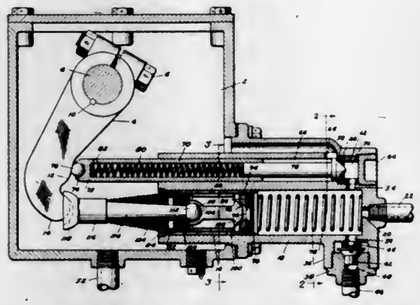
1. The combination with a truck, of a stationary mast carried thereby, a rotatable mast mounted at the top of the stationary mast, a boom pivotally carried by the rotatable mast, and a caster wheel mounted beneath the stationary mast and designed to rest on the ground to provide a direct support for the stationary mast from the ground and to aid the truck in supporting the mast when the latter is carrying a load.

2,082,018
PORTABLE SHOVEL
Grover A. McClain, San Francisco, Calif., assignor of one-tenth to James Harry Layne, Alameda, Calif., one-tenth to Harold L. McClain, and one-tenth to Romey McClain, both of San Francisco, Calif.
Application July 13, 1935, Serial No. 31,265
11 Claims. (Cl. 214—135)



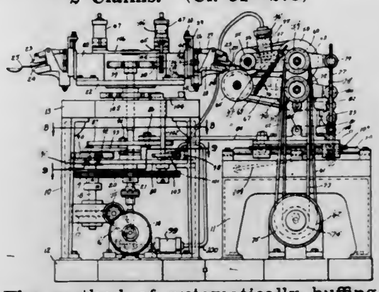
1. In a portable shovel, a mast, a pin carried thereby, a bucket arm slidably and pivotally mounted on the pin, a rack carried by the arm, a pinion mounted on the pin and meshing with the rack, a brake drum connected with the pinion, a brake shoe riding on the drum, and means for exerting a continual braking action of the shoe on the drum for preventing longitudinal movement of the bucket arm.

2,082,019
HYDRAULIC BRAKE
George F. McDougall, Portland, Oreg., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Original application July 1, 1933, Serial No. 678,627. Divided and this application July 27, 1934, Serial No. 737,170
3 Claims. (Cl. 103—178)



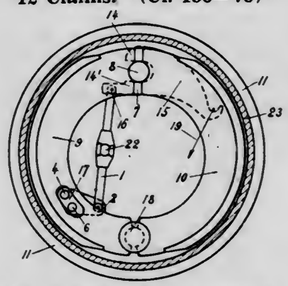
1. In a fluid brake system, the combination of a cylinder, a piston reciprocable therein, said piston having a port, a sleeve reciprocable in the piston, a ring in the piston for retaining the sleeve against displacement, a spring interposed between the ring and one end of the sleeve, a spider in the sleeve, a valve on one end of the spider for coaction with the port in said piston, a rod having pivoted connection with the other end of the spider, a head on the rod, and a spring between the retaining ring and the head.

2,082,020
METHOD OF BUFFING AND POLISHING ARTICLES
Charles R. Moon, Muncie, Ind., assignor to Ontario Manufacturing Company, Muncie, Ind., a corporation
Application June 7, 1935, Serial No. 25,478
2 Claims. (Cl. 51—278)



1. The method of automatically buffing and polishing the bowl of a spoon consisting in gripping the spoon by the handle thereof and presenting it first between a pair of oppositely-disposed buffing and polishing wheels, engaging the surface of the bowl adjacent the toe and the under surface thereof adjacent the heel, rocking said spoon between said wheels while rotating them at a high rate of speed, presenting the bowl of the spoon between another pair of wheels, engaging the upper surface adjacent the heel and the lower surface adjacent the toe, and in addition thereto presenting said spoon to a third pair of wheels engaging the upper and lower surfaces of the spoon intermediate the heel and the toe.

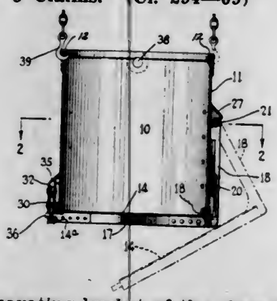
2,082,021
AUTOMATIC BRAKE ADJUSTING MECHANISM
Karl Muenz, Mannheim-Friedrichsfeld, Germany, assignor to Deutsche Perrot-Bremse G. m. b. H., Mannheim-Friedrichsfeld, Germany
Application January 26, 1934, Serial No. 708,391
In Germany January 31, 1933
12 Claims. (Cl. 188—78)



1. A brake mechanism comprising a brake drum, a back plate having an inner side facing the brake mechanism proper and an outer side, a spreadable brake member adapted to move substantially circularly within said drum, a spreading mechanism adapted to spread said brake member apart which thereby engages said drum, an auxiliary device substantially located on the inner side of said back plate and movably connected to said spreading mechanism and adapted to movably engage said brake member at one point only and a pivot associated with said back plate and adapted to rotatably hold said auxiliary

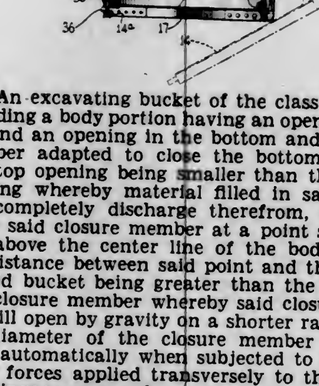
device, said pivot comprising adjusting means extending through said back plate for adjusting the location of the center of rotation of said device with respect to said brake member.

2,082,022
TRENCH BUCKET
Robert B. Murdock, Chappaqua, N. Y.
Application November 7, 1935, Serial No. 48,705
5 Claims. (Cl. 294—69)



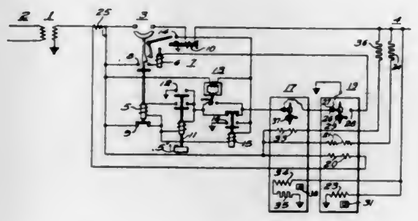
1. An excavating bucket of the class described including a body portion having an opening in the top and an opening in the bottom and a closure member adapted to close the bottom opening, said top opening being smaller than the bottom opening whereby material filled in said bucket will completely discharge therefrom, means to hinge said closure member at a point substantially above the center line of the body portion the distance between said point and the bottom of said bucket being greater than the radius of said closure member whereby said closure member will open by gravity on a shorter radius than the diameter of the closure member and will close automatically when subjected to relatively small forces applied transversely to the axis of said hinge means, and means responsive to closing movement of the closure member to latch the same in closed position.

2,082,023
AUTOMATIC CONTROL MEANS FOR MECHANICAL REFRIGERATORS
Roland R. Nydegger, Wilmington, Del.
Original application July 29, 1932, Serial No. 626,012. Divided and this application April 4, 1933, Serial No. 664,321. Renewed October 24, 1936
11 Claims. (Cl. 200—36)



2. A control mechanism for an electric circuit, comprising an automatic control apparatus presettable to close said circuit at a predetermined time for a predetermined duration and comprising a motor, a pair of contacts insulated from each other and rotatable in unison about a common axis through one complete circle a week by said motor, a pair of adjustable contacts constantly electrically connected and adapted for manual rotative adjustment in unison coaxially of said motor-driven contacts and being respectively engageable by the latter, and a circular dial concentric with the axis of the contacts and indicating the days of the week and the hours of the days, the adjustable contacts being adjustable in unison with reference to said dial to pre-select the day and hour for closing the circuit.

2,082,024
THERMALLY PROTECTED NETWORK UNIT
John S. Parsons, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 2, 1935, Serial No. 93
10 Claims. (Cl. 175—294)

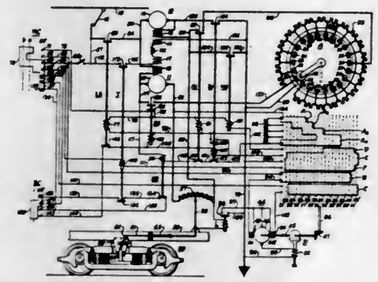


1. A network unit for supplying power from an alternating-current feeder circuit to an alternating-current network circuit comprising a transformer, a circuit breaker for controlling the flow of power through said transformer, and control means for said circuit breaker including thermal means responsive to a variable condition dependent upon the load on said transformer for causing said circuit breaker to open, fault-responsive means for causing said circuit breaker to open, reclosing means responsive to a predetermined normal condition involving energization of said feeder circuit, and means effective when said circuit breaker is open for selectively delaying operation of said reclosing means depending upon whether the previous opening operation of said circuit breaker was effected by said thermal means or said fault-responsive means.

2,082,025
METHOD FOR THE REDUCTION OF FURFURAL AND FURAN DERIVATIVES
Fredus N. Peters, Jr., Evanston, Ill., assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
No Drawing. Application April 13, 1933, Serial No. 665,963
7 Claims. (Cl. 260—54)

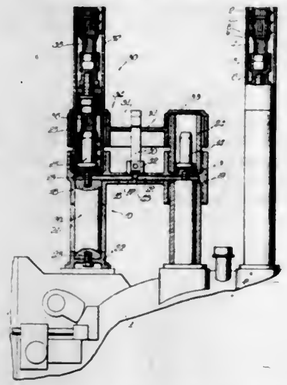
5. A method for preparing hydrogenolysis products from a compound containing the furan ring comprising treating the liquid furan compound with hydrogen in the presence of a base metal catalyst under superatmospheric pressure and temperature, and separating said hydrogenolysis products from the reaction mixture.

2,082,026
MOTOR CONTROL SYSTEM
Frank B. Powers, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 29, 1936, Serial No. 98,438
8 Claims. (Cl. 172—179)



1. In a motor control system, in combination, a motor for propelling a vehicle, resistance varying means for controlling the motor current, means for operating said resistance varying means, a current limit relay responsive to the motor current for controlling the operation of said operating means, and means actuated in accordance with the load on the vehicle for varying the proportionate amount of the motor current passing through said relay.

2,082,027
ELECTRIC DEVICE AND PROCESS OF MAKING THE SAME
Joseph C. Rah, Chicago, Ill., assignor to The Delta-Star Electric Company, Chicago, Ill., a corporation of Illinois
Application August 30, 1933, Serial No. 687,457
7 Claims. (Cl. 18—59)



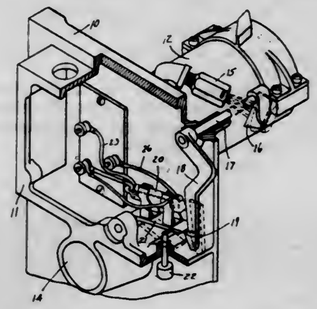
1. The method of insulating an electrical conductor carrying substantial current and subjected to expansion due to heating by said current, which comprises superposing a plurality of enveloping layers of a solution of gum rubber and a plasticizer about said conductor, baking each of said layers at a temperature below the vulcanizing temperature of said rubber before application of the next succeeding layer, and enclosing said layers in a hard phenol condensation product casing by molding said casing thereabout under heat and pressure.

2,082,028
PLUNGER-TYPE CURRENT INTERRUPTER
Herbert L. Rawlins, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application April 15, 1932, Serial No. 605,398
Renewed October 16, 1935
16 Claims. (Cl. 200—120)



1. In a device for interrupting alternating current, a body of material responsive to an arc to evolve an arc-destroying emanation, said body having a passage therethrough, two electrically connected members, said members being joined by fusible means for releasing one of said members, means for moving the released member along said passage, thereby separating said members to produce an arc between them, the speed of said moving member being slow enough to require more than two cycles to traverse the length of said passage.

2,082,029
STOKER ALARM
John Roland, Indianapolis, Ind., assignor to Schwitzer-Cummins Company, Indianapolis, Ind., a corporation
Application April 27, 1935, Serial No. 18,535
7 Claims. (Cl. 177—311)



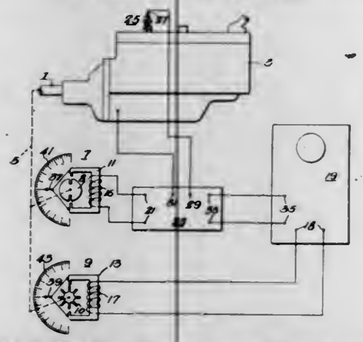
1. In stoker mechanism, hydraulic pressure means for operating the stoker, an electric motor to operate said pressure means, a relief valve for said pressure means, a switch in the circuit of said motor, a member operable by impact of pressure from said valve for operating said switch to deenergize said motor, a signal, and a circuit including said signal and said switch, closed when said switch is moved to motor deenergizing position.

2,082,030

PHASE INDICATOR

Harold J. Schrader, Haddon Heights, N. J., and Gilbert Swift, Philadelphia, Pa., assignors to Radio Corporation of America, a corporation of Delaware

Application May 26, 1936, Serial No. 81,808
5 Claims. (Cl. 73—185)



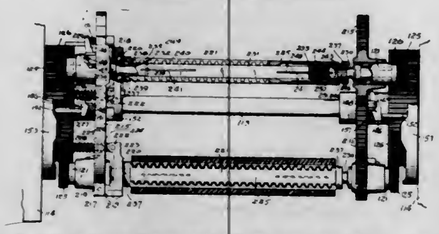
2. An indicator of pressures within a cylinder of an internal combustion engine, said cylinder including a reciprocating piston; comprising a cathode ray oscillograph having horizontal and vertical deflecting electrodes; means for impressing variable voltages on said horizontal electrodes, said variable voltages being synchronized with said engine movements; means for deriving electrical variations corresponding to the variations of pressure in said cylinder; means for impressing the last mentioned electrical variations on said vertical deflecting electrodes; means including an alternator having output currents of sharply defined wave form for deriving electrical impulses corresponding to predetermined positions of said piston; and means for impressing the last mentioned impulses on said vertical deflecting electrodes so that said piston positions may be marked by deflections of said cathode ray.

2,082,031

CORE FOR AUTOMATIC REWINDING MACHINES

Rudolph Henry Schultz and Adam James Siebert, Brooklyn, N. Y., and Leopold Charles Borloz, Teaneck, N. J., assignors to Schultz Engineering Corporation, Brooklyn, N. Y., a corporation of New York

Original application June 21, 1929, Serial No. 372,770, now Patent No. 1,966,525, dated July 17, 1934. Divided and this application June 4, 1934, Serial No. 728,963
8 Claims. (Cl. 242—72)



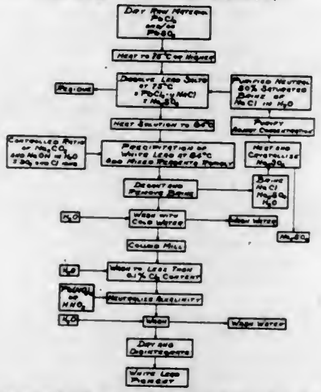
2. In a core for rewinding machines, a rotary carrier for a plurality of cores, means for rotating said cores to rewind a web, and means for expanding a core in one position of the carrier and contracting it in another position.

2,082,032

WHITE LEAD PIGMENT AND METHOD OF MAKING THE SAME

Royal L. Sessions, Denver, Colo., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo., a corporation of Wyoming

Application July 12, 1934, Serial No. 734,864
15 Claims. (Cl. 23—71)



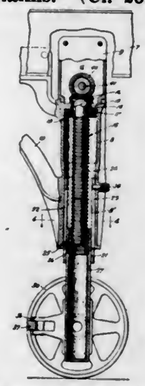
1. The method of making white lead pigment comprising the steps of providing a hot, neutral, alkali metal chloride brine containing a solution of one of the group consisting of lead sulfate, lead chloride and a mixture thereof, maintaining the temperature thereof between 75° C. and 84° C. and adding simultaneously thereto alkali metal carbonate and alkali metal hydroxide in aqueous solution which are in such predetermined amounts and in approximately that ratio as are required to form from the lead salt in solution a white lead pigment having a composition conforming substantially to the molecular formula $2PbCO_3.Pb(OH)_2$, while maintaining a rate of addition of the reagents which prevents the solution from becoming alkaline before the entire amounts thereof have been added, and thereafter separating the precipitate from the solution and recovering the same.

2,082,033

LANDING GEAR

Carl G. Seyferth and Hilbert E. Swanson, Muskegon, Mich., assignors to West Michigan Steel Foundry Co., Muskegon, Mich., a corporation of Michigan

Application May 21, 1934, Serial No. 726,724
5 Claims. (Cl. 280—33.1)



1. A landing gear for trailers, comprising a pair

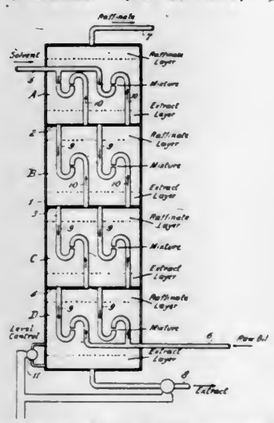
of housings fixedly attached to the frame of the trailer and extending downward therefrom, a screw spindle rotatably secured in said housings and held against axial displacement therein, a nut in each housing in engagement with said screw spindle, a sleeve slidably guided in each of said housings, a second sleeve mounted for sliding movement only within each of said first sleeves and fixedly connected with said nut, wheels supported by said last named sleeves, and means accessible from the upper portion of the landing gear for rotating both of said screw spindles simultaneously.

2,082,034

APPARATUS FOR COUNTERCURRENT CONTACT TREATMENT OF LIQUIDS

Reading B. Smith, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application December 10, 1935, Serial No. 53,705
3 Claims. (Cl. 23—270)



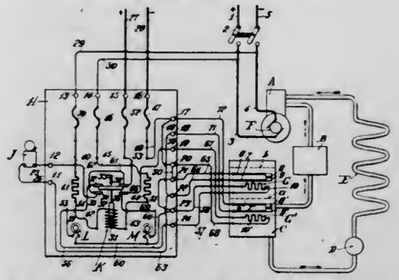
1. In apparatus for countercurrent contact treatment of one liquid with another substantially immiscible liquid of different specific gravity, the improvement comprising a series of superimposed compartments, connections for supplying a relatively light liquid to and for discharging a relatively heavy liquid from the lowermost compartment of the series, connections for supplying a relatively heavy liquid to and for discharging a relatively light liquid from the uppermost compartment of the series, a plurality of generally downwardly extending ducts connecting the lower portion of each compartment of the series except the lowermost and the central portion of the next lower compartment, said ducts being arranged to provide free and open communication into the lower compartment with which they connect from the next higher compartment, a plurality of generally upwardly extending ducts connecting the upper portion of each compartment of the series except the uppermost and the central portion of the next higher compartment, said last-mentioned ducts being arranged to provide free and open communication into the upper compartment with which they connect from the next lower compartment, the said downwardly extending ducts and the said upwardly extending ducts extending into each of the intermediate compartments of the series being arranged with their lower ends and upper ends respectively in immediate juxtaposition and shaped to prevent short-circuiting of a heavier liquid downwardly through the upwardly extending ducts and short-circuiting of a lighter liquid upwardly through the downwardly extending ducts, whereby in any intermediate compartment of the series liquid passing upwardly through the upwardly extending ducts from the next lower compartment and liquid passing downwardly through the downwardly extending ducts from the next higher compartment will be brought into intimate contact and discharged into the central portion of the said intermediate compartment, and means for controlling the rate of discharge of liquid through said connection for discharging heavy liquid from the lowermost compartment.

2,082,035

LEAK DETECTOR

William M. Smith, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York

Application April 6, 1936, Serial No. 72,973
13 Claims. (Cl. 62—1)



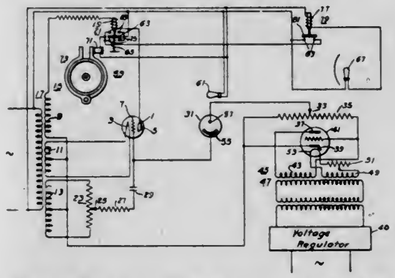
1. In combination with a tank adapted to hold liquid, there being an upper liquid level which is normal at certain times, and a lower liquid level which is normal at other times, a signal device, and means for automatically operating the signal whenever the liquid level falls a predetermined distance below the level that is normal at any given time, said predetermined distance being less than the difference between the two normal levels.

2,082,036

TRANSLATING APPARATUS

Peter E. Stogoff, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

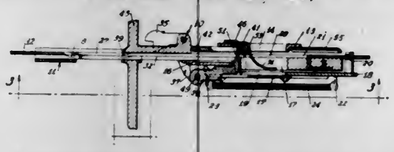
Application June 29, 1932, Serial No. 619,953
7 Claims. (Cl. 250—41.5)



1. In combination in an electrical discharge device comprising a plurality of principal electrodes and a control electrode in an envelope containing a gaseous atmosphere, a current path comprising a source of alternating voltage, a condenser connected in series with said control electrode and one of said principal electrodes and means for

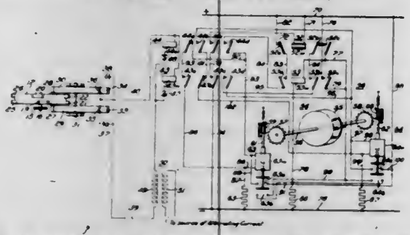
imparting to said current path a uni-lateral electrical conductivity, a path containing a substantial resistance for permitting a discharge current to flow from said condenser, and a second current path independent of said means for imparting uni-lateral conductivity and containing said condenser and a second source of voltage in serial relation with each other, and means for varying at least one of said sources.

2,082,037
COIN CHUTE
Walter A, Tratsch and Bernhard C. Grunig, Chicago, Ill., assignors to A. B. T. Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 20, 1936, Serial No. 75,252
6 Claims. (Cl. 194—97)



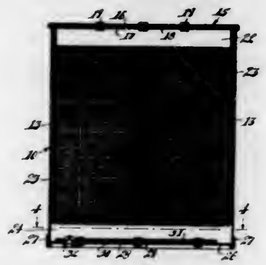
1. A coin chute comprising a guide structure, a coin slide carried by the said guide structure having a coin-receiving aperture formed therein and having an elongated slot formed therein, said guide structure including a wall disposed below the said coin slide for supporting a coin in the said coin aperture of the same throughout at least a part of the inward movement or operative stroke of said coin slide, a stop member pivotally mounted on the said guide structure below the said coin slide and having a portion normally projecting upwardly into the said slot at one end of said supporting wall, and means normally urging the said member in a direction to project the said portion of said member into said slot at one end of said supporting wall whereby a coin inserted into the said coin aperture of said slide and moved by the latter along, and off from, the said supporting wall of said coin chute will be prevented from being retracted along said supporting wall by engagement with the said upwardly projecting portion of said member together with stationary means above said stop member and cooperable therewith to tilt a coin downwardly from said wall.

2,082,038
REMOTE SIGNALING SYSTEM
Charles P. West, Edgewood, Pa., and Burt S. Burke, Elizabeth, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 8, 1934, Serial No. 752,104
13 Claims. (Cl. 177—351)



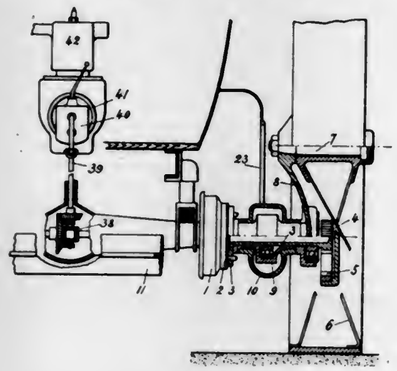
1. A remote signaling system for indicating at a distant station the magnitude of a quantity at another station comprising, in combination, a signaling circuit connecting the stations, means responsive to different variations in the magnitude of the quantity for applying a different succession of impulses to the signaling circuit individual to the said variations in magnitude, and means connected to the signaling circuit at the distant station and disposed to be responsive to the impulses applied thereto.

2,082,039
TOBACCO SIFTER
Hans Teodore Widgren, Chicago, Ill.
Application May 22, 1935, Serial No. 22,767
3 Claims. (Cl. 206—37)



1. In a tobacco sifter, a container into which the contents of a pipe are adapted to be emptied, a screen element secured within the container and adapted to retain the tobacco of said contents and permit the ashes to sift through, said container having an ash-receiving compartment below said screen, and said compartment having a slot and a closure plate adapted to open and close upon said slot to permit the removal of ashes.

2,082,040
POWER TRANSMISSION
Fredrik Wilhelmson Wilkens, Mannheim, Germany
Application August 19, 1935, Serial No. 36,829
In Germany August 21, 1934
19 Claims. (Cl. 180—10)

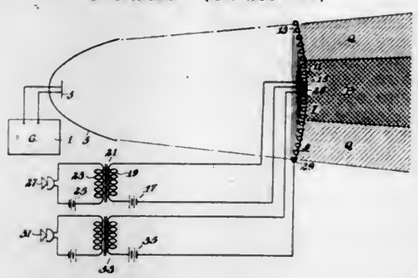


1. Power transmission for vehicles comprising a rotating part, a wheel member operatively connected with and adapted to be rotated by said rotating part, a link member movably connected with said rotating part and with said wheel member and adapted to relatively move and to permit relative movement of said rotating part with respect to said wheel member, a source of power, a body connected to said source and rotatably carrying said rotating part, resilient means connected with said body, a finger-like extension rigidly connected to said link member and adapted to engage said resilient means and to actuate said resilient means upon relative movement of said link member with respect to said wheel member.

2,082,041
PROCESS FOR PRODUCING PERMANENT MAGNETS
Clifton S. Williams, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 8, 1935, Serial No. 20,437
6 Claims. (Cl. 148—13)

1. In the process of producing permanent magnets, in combination, quenching magnetic material from a temperature above 1100° C., ageing the quenched material at a temperature of about 700° C. to homogenize it, reheating the homogenized material to a temperature above 1100° C., quenching the material, and ageing the quenched material at a temperature of about 650° C. to develop its magnetic properties.

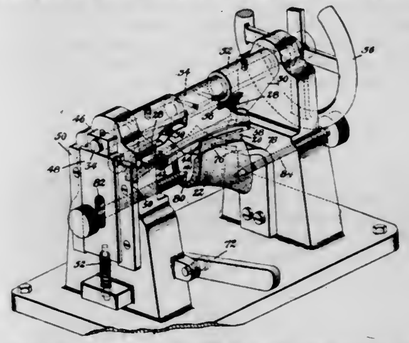
2,082,042
RADIO SYSTEM
Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 26, 1934, Serial No. 722,471
8 Claims. (Cl. 250—11)



1. In a system for signalling with electromagnetic energy having a radio frequency, means for radiating said energy, a plurality of modulating devices, each containing a gas capable of being ionized, one of said devices being positioned to intercept a portion of said radiated energy, another of said devices being positioned to intercept a different portion of said radiated energy, and means for varying the ionization of said gas in accordance with desired signals.

2,082,043
HEEL-COVERING MACHINE
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 27, 1934, Serial No. 759,388
19 Claims. (Cl. 12—42)

1. In a covering machine, means for supporting a work piece, means constructed and arranged to trim projecting margins of a cover secured to the work piece, and means for laying the trimmed

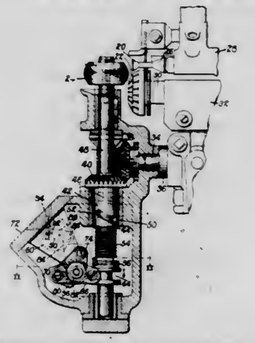


projecting margins in overlapping relation to each other upon said work piece.

2,082,044
PROCESS FOR PREPARING TERTIARY ALKYL PHENOLS
Clayton M. Beamer, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application February 16, 1932, Serial No. 593,414
6 Claims. (Cl. 260—154)

1. An improved process for the production of tertiary alkyl phenols from a tertiary alcohol and a phenol comprising reacting the tertiary alcohol and phenol in the presence of concentrated sulfuric acid, maintaining the reacting mixture throughout the reaction at a temperature below about 15° C.

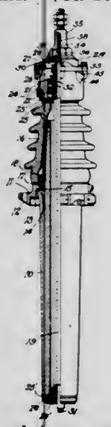
2,082,045
COUNTING MECHANISM FOR SOLES AND OTHER ARTICLES
Frederic E. Bertrand, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 25, 1932, Serial No. 588,570
11 Claims. (Cl. 235—98)



1. In a sole machine, a pair of feed rolls and a pressure roll, all normally operated at substantially the same peripheral speed, in combination with a shaft to which the pressure roll is fixed, a second shaft rotatable with but movable axially relatively to said first shaft, power driving means for said pressure roll including a sleeve surrounding said second shaft, a pin and inclined slot connection between the latter and said sleeve through which relative rotation of said second shaft and

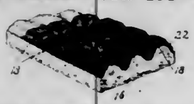
said sleeve alternately in opposite directions effects axial movements in opposite directions of said second shaft, a counter for registering the number of pairs of soles passing through the machine, and connections from said second shaft to the counter through which said axial movements operate the counter.

2,082,046
BUSHING INSULATOR
Thomas F. Brandt, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application September 24, 1935, Serial No. 41,879
7 Claims. (Cl. 173—318)



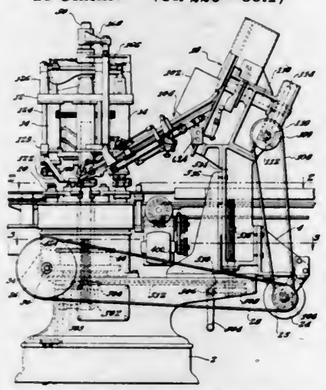
1. A bushing insulator comprising a pair of dielectric members, a stress member within said dielectric members having a passage therethrough, a spring cooperating with said stress member to hold said dielectric members together, said dielectric members having space therein in addition to said passage, said passage being open to permit communication with the interior of a housing for electrical apparatus, and means for sealing off said passage from the additional space within said bushing to exclude fluid in said passage from the additional space within said dielectric member, said sealing-off means providing for relative movement between said stress member and one of said dielectric members.

2,082,047
FLOOR COVERING
Budd Bronson, Cleveland, Ohio, assignor to The Ohio Rubber Company, Cleveland, Ohio, a corporation of Ohio
Application April 20, 1932, Serial No. 606,436
1 Claim. (Cl. 154—49)



As an article of manufacture, a flexible substantially flat vehicle floor mat adapted to be fitted into the compartment of an automobile for cushioning and insulating purposes, comprising a cushioning and insulating backing layer of felt, a closely woven substantially pileless fabric extending over the top of said layer and providing a substantially coextensive wear sheet for the same, and a connecting layer of rubber substantially uniformly uniting said wear sheet with said backing layer, said wear sheet being indented at numerous points toward the cushioning layer and into the connecting layer whereby the wear sheet is provided with a roughened surface characteristic.

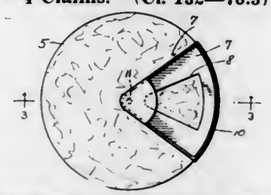
2,082,048
CLOSURE APPLYING MACHINE
Arthur Clarence Everett, Boston, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application August 11, 1933, Serial No. 684,659
13 Claims. (Cl. 226—88.1)



1. In a closure applying machine, in combination, a revoluble closure applying device including a rotatable chuck for engaging and holding a screw closure to effect the application thereof to a container upon rotation of the chuck, closure feeding means and with relation to which said closure applying device is arranged to revolve, and revoluble means for transferring a closure from the closure feeding means to the closure applying device, said revoluble transferring means having provision whereby the closure being transferred is revolved with the closure applying device during the period when the closure is being engaged by the closure applying device.

4. The combination in a closure applying machine, with closure applying mechanism capable of applying a screw closure to a container, of closure feeding mechanism, container feeding mechanism, and control mechanism including detecting means cooperating with the two last mentioned means for stopping the machine in the event of failure in the supply of either a closure or a container.

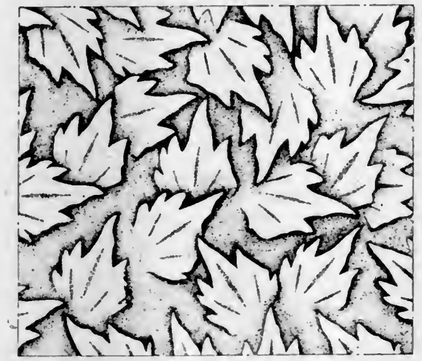
2,082,049
COMBINATION POWDER BOX AND PUFF
Joseph E. Gaudreau, South Ashburnham, and Robert A. Miner, Winchenden, Mass.
Application July 27, 1936, Serial No. 92,864
4 Claims. (Cl. 132—78.5)



1. In combination a powder puff, and a container for powder pivoted to the puff at about

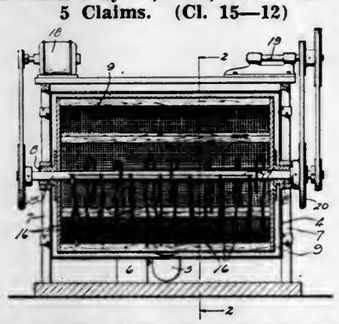
the center of the latter, said container having its bottom side in intimate contact with the puff and provided in said bottom side with an opening through which the powder contents of the container passes onto the puff.

2,082,050
METHOD OF PAINTING AND DECORATING
Carl J. Ernst, Milwaukee, Wis., assignor of one-half to Otto F. Gargen, Milwaukee, Wis.
Application December 21, 1936, Serial No. 117,024
9 Claims. (Cl. 41—26)



6. The method of producing a two tone surface which comprises coating the surface with a paint which is capable of being polished, allowing the paint to partially dry, applying a stencil and rubbing the painted surface around the edge of the stencil to polish the exposed painted surface.

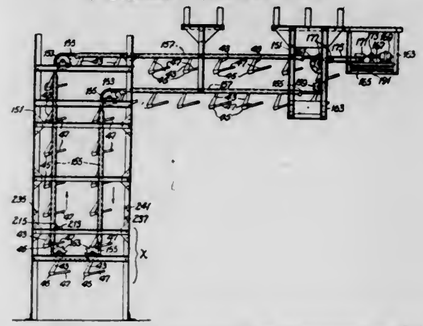
2,082,051
FUR CLEANING DEVICE
Leo P. Falconer, Milwaukee, Wis.
Application May 13, 1935, Serial No. 21,177
5 Claims. (Cl. 15—12)



1. In a device of the character described the combination with a tumbling drum provided with rotatably supported hub portions, of a beater shaft coaxial with said drum and extending through said hub portions, thongs connected with said shaft and having their free end portions in proximity to the interior perimeter of the drum to act upon material tumbled therein, means for driving said shaft at a relatively high speed and means for driving said drum at relatively low speed such that said thongs will assist in tumbling in said drum the work acted on therein and also constantly act upon the new surfaces presented by the work in the tumbling thereof during the cleaning operation, the speed of the shaft being sufficiently high to maintain the thongs distended centrifugally and the speed of the drum being sufficiently low to prevent the work from being held centrifugally to the periphery of the drum.

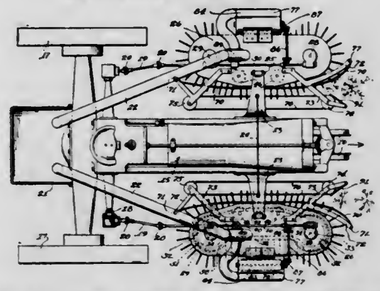
2. The combination with a beater shaft having a transverse hole, of a beater thong extending through said hole and a lacing threaded through said thong at each side of said shaft whereby to anchor said thong in said hole.

2,082,052
SHOE DRIER
Myron O. Frost, Richmond Heights, and Peter Mattler, St. Louis, Mo., assignors, by mesne assignments, to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application June 20, 1932, Serial No. 618,250
7 Claims. (Cl. 192—150)



1. In conveying apparatus, a conveyor, a drive for the conveyor, said drive comprising a movable support, a motor drive on said support, said drive connecting with the conveyor, said support being movable during driving of the conveyor in proportion to the loading of the conveyor, and a switch responsive to said movement adapted to open the motor circuit after a predetermined movement according to a predetermined conveyor loading, and means for loading the motor drive in a given position after the circuit has opened to prevent reclosing of said circuit.

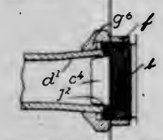
2,082,053
COTTON PICKER
Albert C. Freudenberg, Greenville, Miss., assignor to Charles R. Berry and Hugh A. Gamble, both of Greenville, Miss.
Application March 4, 1932, Serial No. 596,849
Renewed July 30, 1936
19 Claims. (Cl. 56—14)



1. In a cotton picker, a tractor, picking units detachably in connection with said tractor and individually outstanding therefrom at its opposite sides, supporting means carried by and outstanding from the tractor, hinged connections

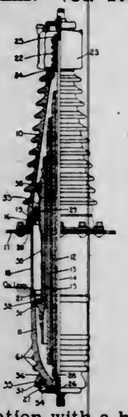
between said supporting means and said units whereby said units are permitted to swing toward and away from the tractor and at the same time prevented from swaying lengthwise of the tractor, and driving connections between the tractor and each of said picking units.

2,082,054
PIPE JOINT
Nicolas Herzmark, Paris, France
Application May 28, 1934, Serial No. 728,001
In Great Britain May 31, 1933
2 Claims. (Cl. 285—86)



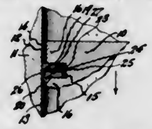
1. In a hard-metal pipe joint, the combination of a flared pipe end having a narrow internal flange at its open end, a conical member engaged by said flange, a coupling member having an internally conical socket portion engaging said pipe end behind its open end and a nut integral with said socket portion, and an externally screw-threaded member supporting said conical member, said nut engaging with said screw-threaded member and causing the conical socket portion of said coupling member to draw said pipe end along said conical member.

2,082,055
BUSHING INSULATOR
Ralph Higgins, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application March 27, 1936, Serial No. 71,221
7 Claims. (Cl. 173—318)



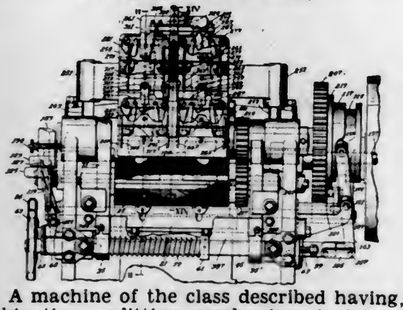
1. The combination with a housing for electrical apparatus having an opening through the top thereof and having insulating liquid therein, the surface level of which is spaced below the top of said housing, of a bushing insulator comprising a supporting flange mounted on said housing and surrounding said opening, upper and lower dielectric shell members, a conductor insulated from said flange by said members, a ground sleeve electrically connected with said flange and extending downwardly therefrom and adapted to bridge the space above the insulating liquid in said housing, said lower shell member being connected with the lower end of said ground sleeve, and a flux control of conducting material electrically connected with said flange and extending below the surface level of the oil in said housing and below the lower end of said ground sleeve, and solid dielectric material disposed about the lower extremity of said flux control.

2,082,056
TWO-PIECE PISTON RING
James G. Hodge, East Orange, N. J., assignor to Clipper Piston Ring Corporation, New York, N. Y., a corporation of New York
Application January 27, 1936, Serial No. 60,946
6 Claims. (Cl. 309—32)



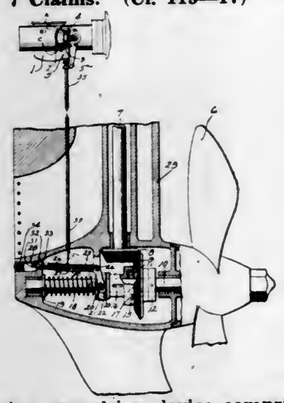
1. A piston ring structure comprising flat upper and lower discontinuous ring elements of substantially equal initial inner and outer diametrical dimensions and each of a thickness somewhat less than one-half of the width of a piston ring groove in which the ring structure is to be mounted, said lower ring element having an annular rib upwardly projecting from its top face along its inner circumferential margin, said rib having at its outer face a male conical surface, and said upper ring element having a female conical surface along its inner circumference to extend between its top and bottom faces, said upper ring element being superposed on said lower ring element under tensional radial expansion with its female conical surface abutting said male conical surface of the latter so as to exercise a radial compressive effect thereupon and with the outer periphery of said upper ring element exteriorly overhanging the outer periphery of said lower ring element whereby cylinder wall contact is made only by said upper ring element, the tendency to radial expansion of the compressed lower ring element and radial compression of the upper ring element being operative to effect relative movement of the engaged male and female conical surfaces with consequent axial expansion of the ring structure.

2,082,057
SPLITTING MACHINE
Charles Edwin Hood, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 29, 1935, Serial No. 13,716
32 Claims. (Cl. 12—17)



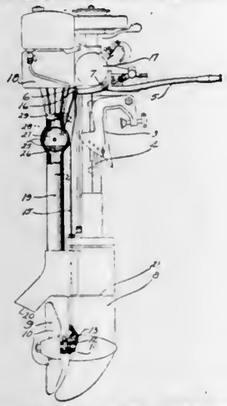
1. A machine of the class described having, in combination, splitting mechanism including a matrix, means for alining a blank with the matrix, said means comprising a table upon which the blank is placed and blank-alining gages normally held spaced apart to permit a blank to be placed upon the table between them, and means operated by so placing the blank for causing the gages to engage and aline the blank.

2,082,058
OUTBOARD MOTOR STRUCTURE
Finn T. Irgens, Wauwatosa, Wis., assignor to Outboard Motors Corporation, Milwaukee, Wis., a corporation of Michigan
Application February 12, 1934, Serial No. 710,909
7 Claims. (Cl. 115—17)



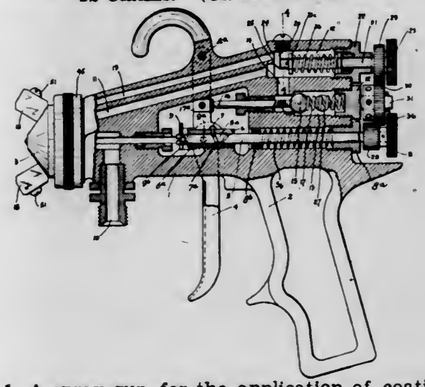
1. A marine propulsion device comprising the combination with an engine having speed control means, a propeller, and driving connections between said engine and propeller including an overload clutch having relatively movable parts, means controlled by the relative movement of said parts for effecting complete disengagement thereof, and motion transmitting connections from said means to said speed control device for regulating the rate of operation of the engine when said parts are disengaged.

2,082,059
REVERSIBLE OUTBOARD MOTOR WITH UNDERWATER EXHAUST
Finn T. Irgens, Wauwatosa, Wis., assignor to Outboard Motors Corporation, Milwaukee, Wis., a corporation of Michigan
Application March 29, 1934, Serial No. 717,899
4 Claims. (Cl. 115—17)



1. The combination with a reversible outboard motor having a propeller and means for reversing the direction of propeller thrust, of an exhaust conduit having a submerged outlet and a relief outlet, a valve controlling both of said outlets and movable between extreme positions in which alternate outlets are completely closed, and means self-operable in the reverse of said motor for actuating said valve between said positions respectively corresponding to reverse and forward propulsion of said motor.

2,082,060
SPRAY GUN
Alexander F. Jenkins, Baltimore, Md.
Application March 9, 1934, Serial No. 714,766
12 Claims. (Cl. 299—140.1)

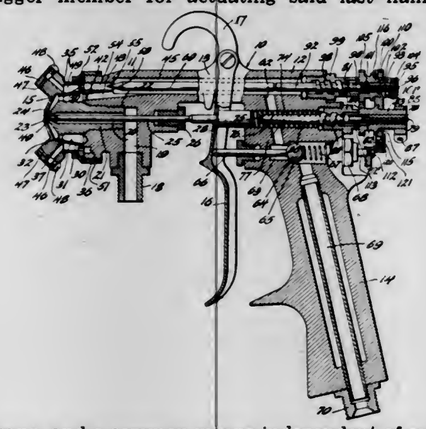


1. A spray gun for the application of coating material or the like to surfaces, in which the density of spray and shape of the spray pattern may be varied in accordance with the work to be done, comprising in combination a body portion provided with a nozzle and liquid and air passageways leading thereto, means for regulating the rate of flow through each of said passageways in order to determine the density of the spray and the shape of the spray pattern in accordance with the nature of the coating to be applied, means for effecting the starting and stopping of flow through said passageways, a common actuating member for said last named means each of said regulating means including a member which is rotatable with respect to said body portion to effect said regulation, a common means operating directly upon both of said flow regulating means to simultaneously set them for predetermined rates of flow to be effective upon operation of said actuating means to start flow through said passageways, said simultaneous setting means comprising a gear carried by each of said regulating members, and an idler gear carried by said body portion and normally meshing with each of said first named gears whereby upon adjustment of one of said members the other may be correspondingly adjusted.

2,082,061
SPRAY GUN
Alexander F. Jenkins, Baltimore, Md.
Application January 12, 1935, Serial No. 1,554
10 Claims. (Cl. 299—140.1)

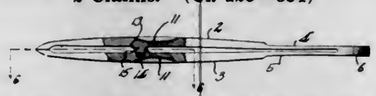
4. A spray gun for the application of coating material or the like to surfaces, in which the density of spray and shape of the spray pattern may be varied in accordance with the work to be done, comprising in combination a body portion provided with a nozzle and liquid and air passageways leading thereto, means for regulating the rate of flow through each of said pas-

sageways in order to determine the density of the spray and the shape of the spray pattern in accordance with the nature of the coating to be applied, means for effecting the starting and stopping of flow through said passageways, a trigger member for actuating said last named



means, and a common means independent of said trigger member operating directly upon both of said flow regulating means to set them for predetermined rates of flow to be effective upon operation of said actuating trigger member to start flow through said passageways.

2,082,062
TWEEZERS
Theodore J. Johnson, Newark, N. J., assignor to Bernard Wigder, Newark, N. J.
Application June 8, 1935, Serial No. 25,541
2 Claims. (Cl. 128—354)

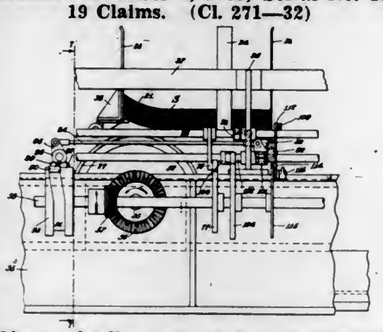


2. A pair of tweezers comprising opposed arms having resilient inner end portions connected together, the outer end portions of said arms being normally spaced apart and having cooperating, opposed jaws arranged to be engaged by pressing said arms toward each other, said jaws including toe portions and heel portions, a boss of frusto-conical shape provided on the inner surface of one of said arms intermediate the length thereof, the other of said arms having a frusto-conical recess struck therein for conformably and snugly receiving and seating said boss, said other arm being thickened in the region of said recess, said jaws being in fully cooperating and abutting non-shifting relation when said boss is seated in said receiving recess free from tendency to rock on their heel portions as fulcrums with grip relaxing effect upon their toe portions, said boss and recess being located on the respective arms at points spaced from said jaws at less than half the length of said arms.

2,082,063
ANTISEPTIC
Maxim Semenovich Khodakoff, Jersey City, N. J., assignor to Hydroxsul, Inc., Jersey City, N. J., a corporation of New Jersey
No Drawing. Application August 26, 1935, Serial No. 38,005
7 Claims. (Cl. 167—58)

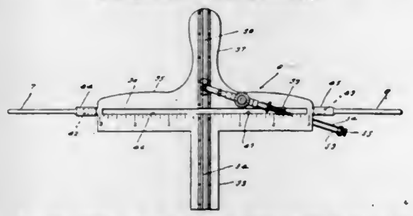
1. The process of preparing an antiseptic concentrate which comprises fusing together sulphur one part, an alkali metal hydroxide one part and a sugar two parts at a temperature in the neighborhood of 700° C. and forming a thermal reaction product of a heavy gummy character.

2,082,064
SHEET FEEDING
Paul E. Kleineberg, Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y., a corporation of New York
Application November 9, 1935, Serial No. 48,956
19 Claims. (Cl. 271—32)



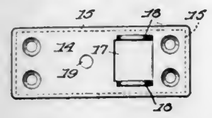
1. Sheet feeding apparatus comprising a holder for a stack having an abridged underneath main support leaving the stack ends exposed below, and an edge support at the fore end spaced from and higher than the main support whereby to hold upbent the stack fore end, means for separating downwardly from the stack the hind end of the bottom sheet, a device for gripping such separated hind edge and pulling the sheet partly out retractingly thereby releasing its fore edge from said edge support, and releasing the hind edge with the sheet in such partly retracted position, while the bottom sheet is still above the main support, and means for gripping such fore edge and extracting the sheet completely from the stack.

2,082,065
COMPASS
George Knackert, Sheboygan, Wis.
Application November 7, 1934, Serial No. 751,922
4 Claims. (Cl. 33—30)



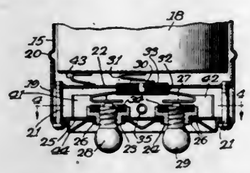
1. A compass of the type described comprising a pair of hingedly connected compass legs, spring means connected with the upper parts of said legs for normally urging the legs apart, handle means mounted on said spring means, a screw hinged to one of the legs and traversing the remaining leg, means connected to said remaining leg and engaged with the screw for adjusting the spread of the legs, an anchor pin hinged to one of the legs and swingable in a plane in which both of the legs lie, and latch means on the outer side of the last-mentioned leg and engageable with a part of said anchor for locking the anchor in longitudinal extension of the leg.

2,082,066
CASEMENT ADJUSTER
Robert A. Lackey, Chicago, Ill., assignor to The Payson Mfg. Co., Chicago, Ill., a corporation of Illinois
Application October 13, 1934, Serial No. 748,231
8 Claims. (Cl. 74—90)



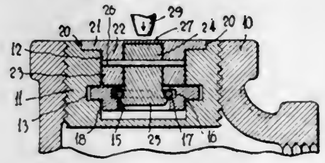
1. In a casement adjuster, a housing comprising a base having abutments thereon, an upper structure on said base confined between said abutments, a rivet holding said upper structure to said base, an apertured gear through which said rivet passes and a worm engaging said gear and held against the same by said upper structure.

2,082,067
ELECTRIC HAND LANTERN
Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application February 7, 1935, Serial No. 5,342
2 Claims. (Cl. 240—10.63)



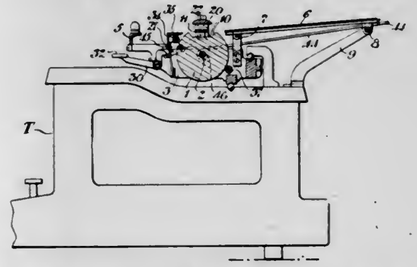
1. In an electric lantern, in combination, a battery casing having battery connectors, a metallic skirt depending from the casing, a metallic lamp supporting plate carried by the skirt and electrically connected with the battery casing, a pair of rim contact lamp sockets carried by and insulated from the named plate, a contact element connected with one of the battery connectors for engaging the terminal contacts of bulbs carried by the sockets, an upstanding lug carried by the named plate, and a switch element cooperating alternatively with the sockets and being attached to and electrically connected with said lug.

2,082,068
THEFTPROOF PLUG
Arthur Lewis, Southampton, N. Y.
Application October 6, 1936, Serial No. 104,259
8 Claims. (Cl. 220—39)



8. A plug comprising a threaded member provided with an aperture, a washer held in the aperture, a spring in a seat in the washer, a shaft retained by the spring, a hollow stem adapted to receive the shaft, a cover on the stem closing the aperture, and frangible means connecting the stem and the shaft.

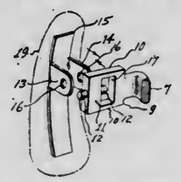
2,082,069
TYPEWRITING MACHINE
Edward Z. Lewis, Chicago, Ill., assignor to L. C. Smith & Corona Typewriters Inc., New York, N. Y., a corporation of New York
Application March 2, 1932, Serial No. 596,198
23 Claims. (Cl. 197—126)



1. In a typewriter, a platen, means for holding a series of superimposed sheets to said platen on a transverse line remote from the ends of said sheets to cause them to fold over on themselves and wrap around said platen when the platen is rotated, means at the rear of said platen for holding the rear ends of a series of carbon paper sheets interleaved between said first sheets, and means on said platen for holding the rear ends of a second series of carbon paper sheets interleaved between said first sheets in front of said transverse line.

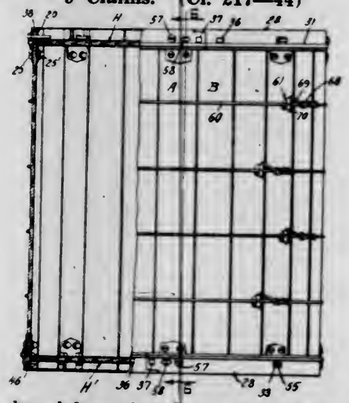
19. A continuous billing attachment for typewriting machines having a revoluble platen, comprising in combination, a frame adapted for attachment to a typewriting machine and over which an interleaved record and relatively short transfer sheets are adapted to pass to the typewriting machine when the platen thereof is revolved in the feeding direction, means carried by the frame for engagement with the transfer sheets when the platen is revolved a predetermined distance in the reverse direction, said means holding the transfer sheets against movement when the interleaved record is again moved in the feeding direction, and means independent of the transfer sheet holding means for disengaging the transfer sheets therefrom, thereby permitting of the simultaneous feeding of the interleaved record and transfer sheets.

2,082,070
OPHTHALMIC MOUNTING
Bert J. Lowres, Newark, N. J.
Application July 23, 1935, Serial No. 32,698
5 Claims. (Cl. 88—49)



1. In an ophthalmic mounting, a rearwardly extending, substantially horizontal nose-guard supporting arm having an apertured rectangular frame member on its free end provided with oppositely directed trunnions, one of said trunnions extending within the aperture of said frame member, and a nose-guard pivoted on said trunnions for limited self-adjusting movement about a substantially horizontal axis.

2,082,071
HOGSHEAD
William S. Luckett, New York, N. Y.
Application January 9, 1936, Serial No. 58,331
9 Claims. (Cl. 217—44)



1. A knockdown hogshead comprising a plurality of staves forming the wall or sides of the hogshead, attaching plates on the ends of certain of the staves, other of the staves being arranged intermediate said certain of the staves, binding hoops encircling the ends of the hogshead and arranged around the ends of all of said staves, cooperating interfitting projections and openings on said plates on certain of the staves and on said hoops interengageable to maintain said hoops against longitudinal and lateral movements upon assembly of said hoops around said staves, and means adjacent the ends of said hoops to hold said ends of the hoops in overlapping relation.

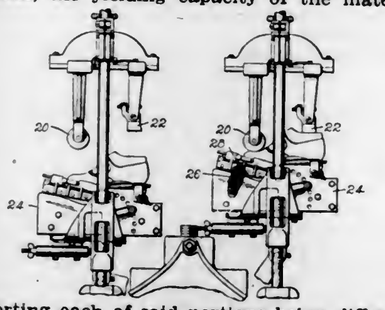
2,082,072
CIGARETTE EXTINGUISHING DEVICE
John T. McCreary, Chicago, Ill.
Application December 2, 1935, Serial No. 52,447
8 Claims. (Cl. 131—51)



1. In a cigarette extinguishing device comprising an ash tray formed with a peripheral flange and a recessed portion having a wall tapering downwardly to the bottom of said portion, a plurality of spaced grooves in said flange, a pedestal centrally disposed in said ash tray, a socket formed in the upper wall thereof, and a member having a downwardly depending stud adapted to be pivotally mounted in said socket, said member being in the form of a horizontally disposed arm, a flattened lower surface at the extended end of said arm, and a tapered wall extending downwardly therefrom, said wall having the same taper as the walls of said ash tray.

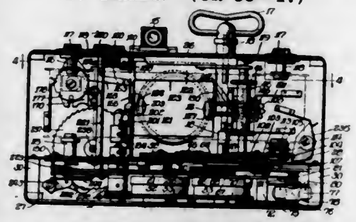
2,082,073
SOLE PRESSING PAD
Frank R. Merritt, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 29, 1935, Serial No. 33,672
17 Claims. (Cl. 12—38)

1. A pad for use in applying pressure to shoe bottoms having a hard but relatively flexible shoe-engaging surface supported at different portions by resilient material integral with such portions, the yielding capacity of the material



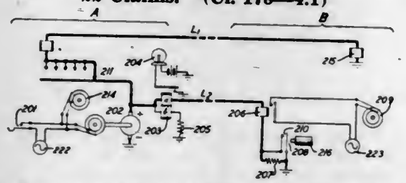
supporting each of said portions being different from that of the material supporting other portions.

2,082,074
HIGH SPEED CAMERA
Lewis H. Moomaw, Wilmette, Ill., assignor to Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application May 16, 1935, Serial No. 21,775
17 Claims. (Cl. 88—17)



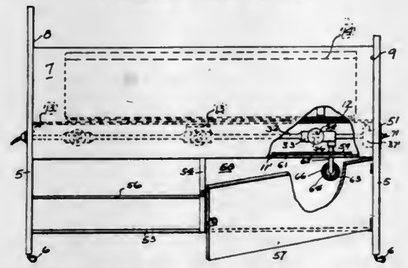
1. In a camera, in combination, motor means; a shutter positioned in alignment with an exposure aperture, said shutter being actuated from a latched to a released position by spring tension, means for varying said spring tension to vary the speed of movement of said shutter, shutter return means, means for operating the shutter return means from said motor means, film feeding means operated by said motor means for drawing film past said aperture, and means for regulating the speed of said film feeding means independently of the adjustment of said spring tension for the shutter.

2,082,075
PRINTING TELEGRAPH SYSTEM
Edward M. Mowton, Yonkers, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 10, 1933, Serial No. 697,509
22 Claims. (Cl. 178—4.1)



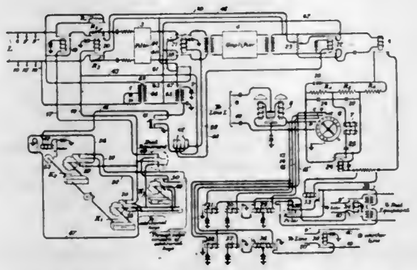
1. A communication system comprising in combination a first teletypewriter, a second teletypewriter, a first transmission line having a ground return for connecting the two teletypewriters for the transmission of significant current variations, a second transmission line having a ground return for connecting the two teletypewriters, and instrumentalities operating over the second transmission line for obtaining a check upon the capability of the second teletypewriter to correctly receive the current variations transmitted to it over the first transmission line by the first teletypewriter.

2,082,076
BED FOR INFANTS
William P. Myron, San Francisco, Calif.
Application December 26, 1933, Serial No. 703,921
1 Claim. (Cl. 5—284)



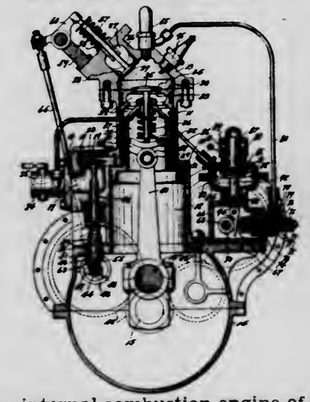
In a bed for infants comprising a bottom, two sides, and two ends, the combination with a basket spaced above the bottom of the bed, of a compartment below said bottom of the bed, said bottom of the bed having an aperture through it to communicate the space above the bottom of the bed with said compartment, a plurality of heating elements longitudinally spaced in the space above the said bottom, a heating element in said compartment, and means to selectively connect either several or all of said heating elements to a source of electricity, so as to permit circulation of heated air from said compartment to and around said basket so that the temperature in the said compartment corresponds to the temperature around the basket.

2,082,077
SELECTIVE SIGNALING SYSTEM
Neal Dow Newby, Leonia, N. J., and Dwight Lyman Moody, Hempstead, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application October 23, 1935, Serial No. 46,434
7 Claims. (Cl. 179—84)



1. In a telephone system, a line having a plurality of stations connected thereto, each of said stations comprising a local line, an amplifier in said local line, a receiving relay normally connected to the output of said amplifier and adapted to respond to voice frequency coded signals coming in over said line, signal receiving apparatus controlled selectively by the operation of said receiving relay in response to said coded signals, selector switching mechanism adapted to control the application of coded signals to said local line, means responsive to the operation of said selector switching mechanism for causing said amplifier to oscillate and generate signaling currents of a desired frequency, and means for applying said locally generated signaling currents to said local line under the control of said selector switching mechanism.

2,082,078
INTERNAL COMBUSTION ENGINE
Carl C. Ottoson, Port Richmond, N. Y.
Application July 15, 1933, Serial No. 680,585
9 Claims. (Cl. 123—47)

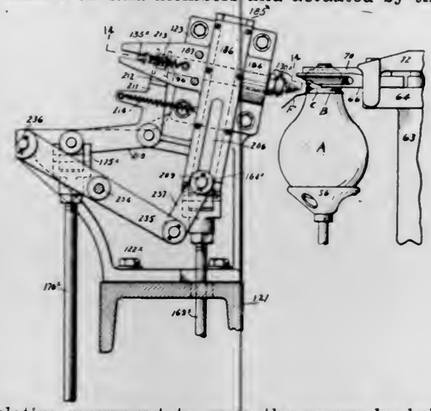


1. In an internal combustion engine of the four cycle type having a cylinder formed to provide an upper firing chamber and a lower air chamber with means to deliver a fuel charge to said firing chamber and a two step piston reciprocable in said cylinder chambers, a timed air admission means communicating with said air chamber adapted to admit air for scavenging purposes, a second timed variable capacity air admission means for admitting a measured quantity of air into said air chamber for use as a fuel mixture constituent, said piston having a port at its upper end to communicate with said firing chamber and passages leading to said port from said air chamber, and a piston pitman actuated timed valve means for said port.

2,082,079
LAMP FINISHING MACHINE
Charles B. Palucki, Bergenfield, N. J., assignor to Alfred Hofmann & Company, West New York, N. J., a corporation of New Jersey
Application February 25, 1936, Serial No. 65,568
20 Claims. (Cl. 176—3)

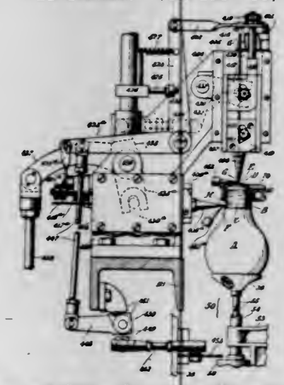
1. In a machine for manufacturing electric lamps of the kind composed of bulb and base portions, with interposed cement to secure them together, and one or more leadwires extending from the base, the combination of a traveling conveyor, and a series of lamp-carrying heads thereon, each head having a lamp-holding chuck arranged to leave the lamp base portion and extending leadwire exposed, and means to bend the leadwire into attaching position and sever its excess length, comprising a mandrel member movable to the lamp, a rotary member adapted to engage the leadwire and bend it about the man-

drel close to the lamp, and severing means associated with said members and actuated by their



relative movement to sever the excess leadwire after bending.

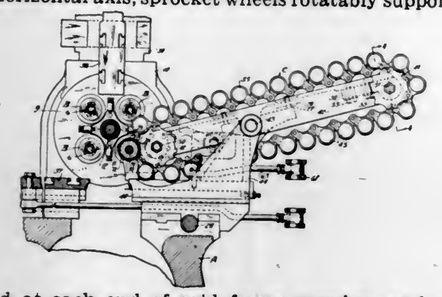
2,082,080
LAMP FINISHING MACHINE
Charles B. Palucki, Bergenfield, N. J., assignor to Alfred Hofmann & Company, West New York, N. J., a corporation of New Jersey
Application July 27, 1935, Serial No. 33,424
13 Claims. (Cl. 113—59)



1. In a machine for manufacturing electric lamps of the kind composed of bulb and base portions and one or more leadwires extending from the base, the combination of a head having means to hold a lamp with the wires exposed, mechanism for feeding a measured amount of strip solder and applying the end thereof to soldering position, and means for there melting off a portion of solder to attach the leadwire to the base; said melting means comprising a flame nozzle mounted for retraction from normal position, connections for retracting and returning the nozzle in each cycle, and means for preventing return when a lamp is missing.

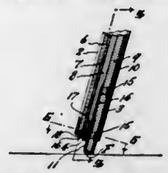
2,082,081
AUTOMATIC METALWORKING MACHINE
Harry W. Rupple, Shaker Heights, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application November 2, 1934, Serial No. 751,212
10 Claims. (Cl. 29—38)

1. A blank magazine for a metal working machine of the character referred to comprising a bracket member adapted to be supported adjacent the machine, a frame member pivotally supported by said bracket member for adjustment about a horizontal axis, sprocket wheels rotatably support-



ed at each end of said frame member, and an endless conveyor supported on said sprocket wheels, said conveyor comprising a plurality of links having horizontal apertures therein adapted to receive work blanks.

2,082,082
PICTURE FRAME
Henry E. Scharling, Nutley, N. J.
Application June 12, 1936, Serial No. 84,853
4 Claims. (Cl. 40—152.1)



1. In a frame for pictures or the like, in combination, a main frame, a removable back therefor, said frame having a slotted bottom flange, said back having a lower end portion extending below said frame bottom flange, and an upwardly directed lock tongue secured to said back adjacent to the bottom edge of its lower end portion and adapted to enter through the slot of said frame bottom flange so as to interlock said frame and back together, the free end portion of said lock tongue being of reversely curved formation whereby a yieldable snap lock cooperative with a margin of said slot is provided.

2,082,083
HAT
Glenn Swift, Darlington, Wis.
Application May 29, 1936, Serial No. 82,637
2 Claims. (Cl. 2—175)



1. A hat comprising a crown, a detachable spike mounted on said crown, a disk engaged in the crown, and a flexible securing element fixed to and extending through said spike and into the crown and detachably connected to the disk for removably securing said spike in position.

2,082,084
NOSE PAD COUPLING MEANS FOR EYEGLASS FRAMES
Vincent Tanasso, Harrison, and Jacob J. Pomeranz, Brooklyn, N. Y.
Application February 25, 1936, Serial No. 65,566
3 Claims. (Cl. 88—49)

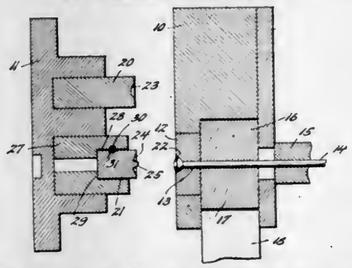
1. A nose pad coupling means for eyeglass frames, comprising an arm affixed to a lens rim

of the frame, a coupler box affixed to the extremity of said arm, said coupler box having a vertical through passage of rectangular cross-sectional shape, a nose pad, a coupler strap means projecting from the back of said pad, said coupler strap means comprising a leg affixed to and projecting horizontally from the back of said pad, a journal portion to extend through said coupler box passage, a bendable elbow connect-



ing said journal portion with the extremity of said leg, and a keeper tongue integral with and extending from the free end of said journal portion, the juncture of said keeper tongue and journal portion having a bending score, said keeper tongue being removably engageable across an end of said coupler box to retain the same against displacement from said coupler strap journal portion.

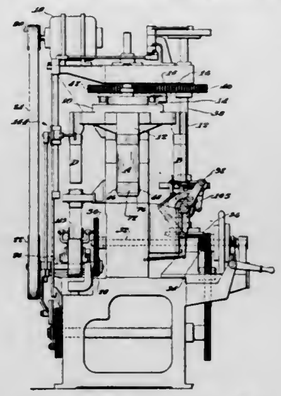
2,082,085
SCREW MANUFACTURE
Joseph John Tomalis, Providence, R. I., assignor to American Screw Company, Providence, R. I., a corporation of Rhode Island
Application August 5, 1936, Serial No. 94,435
10 Claims. (Cl. 10—7)



1. The method of cold heading and recessing screw blanks comprising, forcing a length of wire stock through an opening in a die until the end thereof protrudes sufficiently to be upset against the die by a heading punch, upsetting the protruding end of the wire against the die to form a head thereon of semi-finished shape, then further upsetting and piercing said head to form it to final shape between a second punch and the die, the second operation being effected with a self-centering punch.

2,082,086
CARTON CLOSING MACHINE
John G. Vergobbi, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application April 13, 1935, Serial No. 16,184
11 Claims. (Cl. 93—44.1)

1. In a machine for closing the bottom flaps of a carton of the type having an outer bottom flap provided with a tucking flap and having inner bottom flaps, in combination, carton supporting means, means for folding the inner bottom flaps, means for folding the outer bottom flaps, means for imparting a preliminary fold to the tucking flap to cause it to assume an angular position with relation to the bottom flap, means for laterally supporting the lower corner of the carton to which the outer bottom flap is connected, and tucking means insertible into the



carton for tucking the tucking flap into the carton.

2,082,087
MINERAL DYE LIQUOR AND METHOD
Clarence B. White, Montclair, N. J.
No Drawing. Application October 25, 1935, Serial No. 46,741
6 Claims. (Cl. 8—5)

5. In the preparation of a mineral dyeing composition, the steps comprising, the double decomposition of ferrous sulphate by means of crude acetate of lime in the presence of a solvent stimulant capable of dissolving benzene derivatives contained in the crude acetate of lime, thereby producing a solution of iron salt and hydrocarbon derivatives of the benzene series, and treating said solution with an oxidizing medium capable of partially oxidizing the heavy benzene derivatives.

2,082,088
SHOE SERVER
Frank L. Wilson, Sharpsburg, Pa.
Application June 11, 1935, Serial No. 25,967
2 Claims. (Cl. 211—34)



1. In combination, a disc like member of sheet material for holding articles such as shoes or the like, said disc like member being crimped to provide compartment defining partitions on the upper surface of said disc like member, means for pivotally supporting said disc like member above but close to a supporting plane, and a rim around said disc like member and supported thereby.

2,082,089
BRACKET TYPE FIRE EXTINGUISHER
Carl O. G. Wittig, Golden, Colo.
Application December 15, 1933, Serial No. 702,613
Renewed October 10, 1936
7 Claims. (Cl. 169—26)

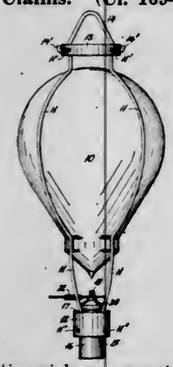
1. A fire extinguisher comprising a frangible, solution-charged container, bracket means formed with angularly-related arms supporting said container and a heat-releasable, projectile-type unit assembly slidingly seated for removal

and replacement in an arm of said bracket



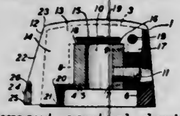
means in potential fracturing relation with said container.

2,082,090
SUSPENDED TYPE FIRE EXTINGUISHER
Carl O. G. Wittig, Golden, Colo.
Application December 15, 1933, Serial No. 702,614
Renewed October 10, 1936
7 Claims. (Cl. 169—26)



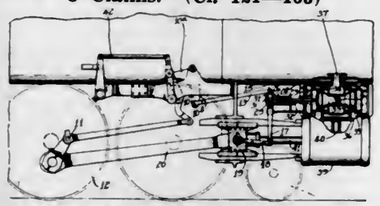
1. A fire extinguisher comprising a frangible, solution-charged container, a plurality of wires, spaced annuli removably interconnected with said wires and forming therewith a wire cage supporting means embracing said container and a heat-releasable, projectile-type unit assembly removably and replaceably carried by one annulus of said supporting means in potential fracturing relation with said container.

2,082,091
CONTROL KNOB
William J. Adams, Jr., Hartsdale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 24, 1935, Serial No. 23,260
7 Claims. (Cl. 74—553)



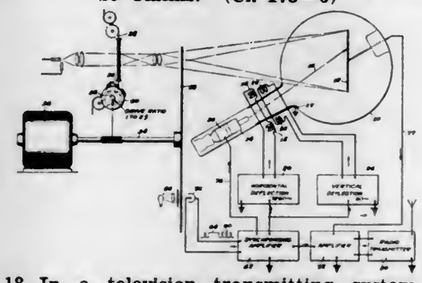
1. An instrument control device comprising a knob of insulating material, a grooved tube and a flat pointer set up edgewise across an end of said tube and secured to said tube in the grooved portion, said tube being wholly embedded in said knob and said flat pointer being partially embedded in said knob and having a portion extending diametrically across the top of said knob and above the top of said knob, and a portion extending down along the side of said knob and projecting radially from the side of said knob.

2,082,092
AUXILIARY GEAR MECHANISM
Abner D. Baker, Swanton, Ohio
Application March 14, 1935, Serial No. 11,102
8 Claims. (Cl. 121—163)



1. A valve gear mechanism for steam engines having a driven rotatable member, a driven reciprocable member, and a steam admission and exhaust valve, comprising a combination lever deriving motion at its lower end portion from said reciprocable member and at its upper end portion from said rotatable member, a reciprocable crosshead for said valve, and means including a rockable cam element providing a connection between said crosshead and said combination lever operable to reduce the effective movement of the combination lever during a portion of its travel, and to increase the effective movement thereof during another portion of its travel.

2,082,093
TELEVISION SYSTEM
Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application January 28, 1933, Serial No. 653,947
20 Claims. (Cl. 178—6)

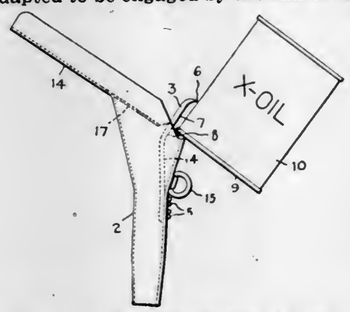


18. In a television transmitting system in which a moving picture film having picture frames is the subject for transmission, means for intermittently moving said film into position to be scanned with the intermittent movement such that certain individual frames of said film remain in position for scanning longer than other individual frames of said film located between said first-mentioned individual frames, means for scanning each of said first-mentioned individual frames a certain number of times and developing picture signals, and means for scanning each of said other individual frames a smaller number of times and developing picture signals.

2,082,094
CAN-OPENING FUNNEL
Charles F. Bertschinger, Rosedale, N. Y., assignor, by mesne assignments, of three-fourths to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware
Application July 17, 1933, Serial No. 680,805
9 Claims. (Cl. 221—23)

1. An article for opening a can and directing its contents, comprising a tube, a knife rigidly

secured to the tube and projecting from the receiving end thereof and adapted to cut an opening in the side of the can at one end, a fulcrum rigidly fixed adjacent and in front of the knife and adapted to be engaged by the rim of the can,



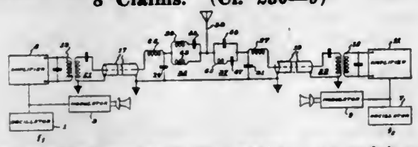
and means at the receiving end of the tube for supporting the can at an inclination relative to the tube when the opening has been cut as the result of relative tilting movement between the can and the article.

2,082,095
RINGER
Harold A. Bredehoft, Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 27, 1935, Serial No. 33,546
3 Claims. (Cl. 177—7)



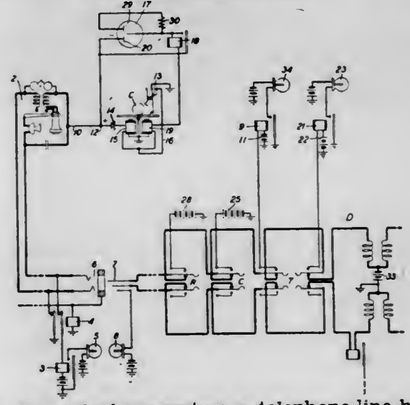
1. In a telephone ringer, in combination, a pair of magnet cores, a yoke attached to the magnet cores, spaced arms on the yoke, a flat spring secured in the spaced arms of the yoke, end portions of said spring extending outwardly beyond said arms, an armature and spaced lugs on the armature attached to said outwardly extending ends of said flat spring.

2,082,096
RADIO TRANSMISSION SYSTEM
George H. Brown, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 19, 1935, Serial No. 50,500
8 Claims. (Cl. 250—9)



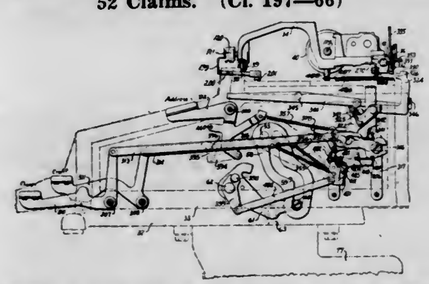
1. A radio transmission system comprising an antenna; a first transmitter operating at a given frequency; a second transmitter operating at a different frequency from the first-mentioned frequency; coupling means for couplings said first transmitter to said antenna including a filter composed of three elements, two of which are serially connected and are shunted by the third, said filter being series resonant to currents of the first-mentioned frequency and parallel resonant to currents of the second-mentioned frequency; and means coupling the other of said transmitters to said antenna.

2,082,097
TELEPHONE SYSTEM
Orfeo Cesareo, Washington Township, Bergen County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 13, 1935, Serial No. 10,780
8 Claims. (Cl. 179—6.3)



1. In a telephone system, a telephone line having a station thereon, a coin disposal mechanism at said station, a coil for effecting the actuation of said mechanism in one manner, a coil for effecting the actuation of said mechanism in another manner, means actuated upon the deposit of a coin in said mechanism for preparing a circuit for each of said coils, a test circuit including a low potential negative battery, a test circuit including a low potential positive battery, means included in series with one of said coils and said line for permitting the flow of current from one of said batteries and resisting the flow of current from the other of said batteries, and means for connecting said test circuits to said line.

2,082,098
CALCULATING MACHINE
Raymond A. Christian, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application June 25, 1934, Serial No. 732,252
52 Claims. (Cl. 197—66)



6. In a machine of the class described having a traveling carriage supporting a platen roll, the

combination of means to feed the platen roll; means to operate the feeding means as an incident to machine operation; means rendered ineffective upon normal operation of the machine to connect the operating means to the feeding means; means to release the machine for operation and simultaneously prevent movement of the connecting means to ineffective position; means to advance the carriage to different columnar positions; means to return the carriage from any advanced position to a predetermined columnar position; and means whereby the returning means effectuates the releasing and preventing means.

2,082,099
CONDUCTOR SUPPORT
Victor I. Cruser, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 7, 1935, Serial No. 25,432
1 Claim. (Cl. 248—49)



A supporting device for wire conductors comprising a bar made of a flat strip serving as a shelf for the conductors, a plurality of loop members open at one side and secured to one edge of said bar, said loop members having similar portions forming guideways for facilitating the entrance of the wire in said loop members.

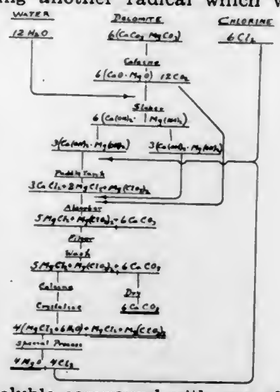
2,082,100
LIGHT SPREADING LENS
William A. Dorey and Thomas W. Rolph, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application September 7, 1933, Serial No. 688,450
11 Claims. (Cl. 240—106.1)



1. A luminair comprising a light source, a lens having on its outer surface an unmodified system of prisms to reduce the divergence of the light, and opposed light transmitting and refracting prisms on its inner surface which deviate slightly from the direction of the outer prisms and reduce the average angle of incidence at that surface, whereby the deviation of the light on entering the lens and on leaving the lens is lessened so that the emergent light is spread.

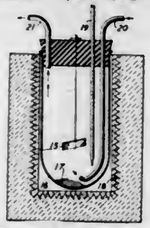
2,082,101
PROCESS OF TREATING A MIXTURE OF CALCIUM AND MAGNESIUM HYDROXIDES
Elmer E. Dougherty, Glen Ridge, N. J., assignor of one-half to N. I. Stone, New York, N. Y.
Application December 31, 1931, Serial No. 584,299
6 Claims. (Cl. 23—91)

1. The process of treating a mixture of calcium hydroxide and magnesium hydroxide, kept in equi-molecular proportion, comprising the introduction of free chlorine, adding an equivalent amount containing the same respective weights of the mixed hydroxides as in the said mixture and introducing another radical which will form a



water insoluble compound with one of the bases, and crystallizing out the salt of the other base.

2,082,102
RESISTANCE ELEMENT
Joseph R. Fisher, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1935, Serial No. 18,217
6 Claims. (Cl. 201—76)

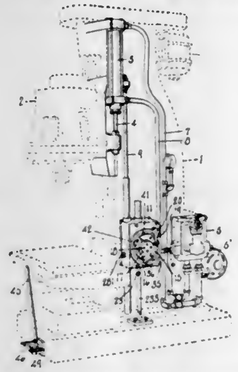


1. A method of producing resistors having a high negative temperature coefficient of resistance, for use in electrical circuits, which consists in placing a quantity of silver sulphide powder between a pair of dies, applying sufficient pressure to said dies to compress the silver sulphide powder into a coherent mass, removing the resistance from the lower die, heating it in an atmosphere of sulphur vapor for a period of approximately one hour at 300 or 400° C. and then heating it in a stream of pure dry nitrogen at 200 or 300° C. for approximately one hour.

2,082,103
MULTIPLE SPINDLE DRILLING MACHINE CONTROL
Hiram W. Fox, Austin A. Riddell, and Howard D. Corwin, Jackson, Mich., assignors to Fox Machine Company, Jackson, Mich.
Application July 1, 1935, Serial No. 29,346
2 Claims. (Cl. 60—52)

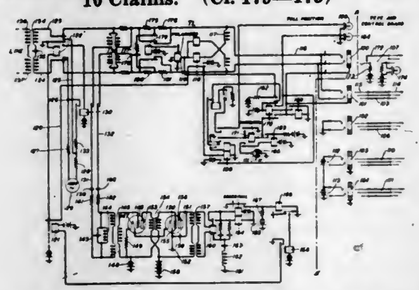
1. In a control means for a machine tool, the combination of an engine cylinder connected to control the movable part of said machine tool, a variable pump unit for delivering medium to and from said engine cylinder, means having a projecting longitudinally adjustable stem for controlling the delivery of the said pump, a suitable casing having a rotary oscillating cam carrier thereon connected by rack and pinion to the movable part of said machine tool, a cam controlled feed rockshaft in said casing having an arm with

a cam follower, a cam on said carrier to actuate the said arm to control the movement of the feed rockshaft to control the rapid advance and slow feed of the movable part of said machine tool, a main control plunger for said stem, a rockshaft arm on said cam controlled feed rockshaft to control the said main plunger and said stem on rocking of said rockshaft, a load and fire means on said main plunger to carry said plunger and said stem from a forward feeding position past dead center to a reverse position, comprising a movable collar, and a compression spring for projecting the same, a tripping rockshaft in the



said casing, a suitable latch thereon to engage the said collar, a control arm on the said tripping rockshaft having a cam follower, a trip cam carried by the cam carrier timed to trip the said latch to release the load and fire means, a trip cam on the said cam carrier positioned and timed to act upon the cam follower of the feed rockshaft arm to shift the same from reverse to neutral to stop the machine, a control plunger with connection to the main plunger to force it to the rapid feed position, and a trip cam thereon to trip the load and fire means when pushed in the opposite direction.

2,082,104
TESTING SYSTEM
Earl S. Gibson, Ridgewood, Arnold A. Hansen, Maplewood, and John B. Worth, Tenafly, N. J.; said Gibson and said Worth assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York, and said Hansen assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 9, 1936, Serial No. 58,312
10 Claims. (Cl. 179—175)

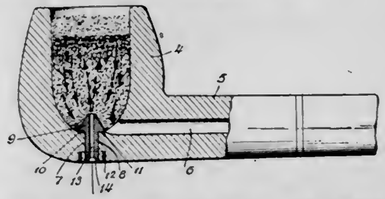


1. In a signal timing circuit, a line, a source of signaling current, means for connecting said source to one end of the line, and a signal receiver connected to the other end of the line, said receiver comprising a progressive indicating means, switching means for controlling the progress of said indicating means, timing means for controlling said switching means at a predetermined rate, and means responsive to the received signal for causing said timing means to control said switching means and to cause said switching means to advance said indicating means.

2,082,105
PRODUCTION OF ALIPHATIC AMINES
Paul Herold and Karl Smeykal, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 13, 1932, Serial No. 646,975. In Germany, December 30, 1931
7 Claims. (Cl. 260—127)

1. In the production of amines by heating alcohols with more than equimolecular amounts of ammonia at from about 300° to about 450° C. in the presence of a dehydrating catalyst, the improvement which comprises starting with a fraction boiling above 120° C. of an oxygen-containing reaction product obtainable by the catalytic hydrogenation of carbon oxides as the alcoholic component and carrying out the said reaction at a pressure of at least 10 atmospheres.

2,082,106
TOBACCO PIPE
Rudolph Hirsch, North Bergen, N. J.
Application April 21, 1936, Serial No. 75,518
1 Claim. (Cl. 131—12)



A tobacco pipe comprising a bowl having an opening extending through the wall thereof with the portion of the bowl surrounding the inner end of said opening flattened to form a seat, a nozzle fitted in said opening and having a shank equal in length to the thickness of said bowl at said opening, a conical head on the inner end of said shank and having a base engaging said seat to seal said opening, said head and shank having an air passage extending longitudinally throughout the length thereof, and a clinching ring imbedded in the outer surface of said bowl in spaced encircling relation to the outer end of said shank.

2,082,107
WELL HEAD EQUIPMENT
James H. Howard, Houston, Tex., assignor to J. M. McEvoy & Company, a corporation
Application December 16, 1931, Serial No. 581,301
16 Claims. (Cl. 166—15)

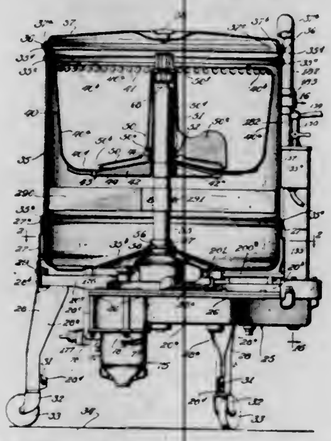
1. An assembly for sealing well heads including a casing, a valve structure thereon, a closure head disposed above said valve, a string of tubing in said casing, an enlarged member on said tubing disposed between two of the tubing couplings at an elevation where the tubing is to be suspended and adapted to receive a coupling to

suspend the tubing, and a set of retractable dogs carried by said casing and adapted to receive



said enlarged member to suspend said string of tubing.

2,082,108
WASHING MACHINE
John T. Hume, Chicago, Ill., assignor to Electric Household Utilities Corporation, Cicero, Ill., a corporation of Illinois
Application November 13, 1930, Serial No. 495,444
11 Claims. (Cl. 68—15)

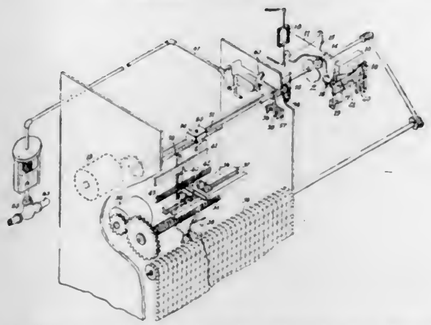


1. The combination in a washing machine, of a tub, a center post extending upwardly from the bottom of said tub, a basket mounted in the upper part of said tub leaving a space beneath said basket for washing fluid, means for rotating said basket about said center post, and a vertically extending baffle plate detachably secured to and carried entirely by said center post and extending radially therefrom beneath said basket.

2. The combination in a washing machine, of a tub for containing washing fluid, a basket and a clothes agitator mounted in said tub, means for actuating said basket and said agitator, means comprising an electric motor for operating said actuating means, an electric circuit for said motor, a switch for closing said circuit, means comprising clutch mechanism for controlling the operation of said basket and agitator actuating means, and operating means for the switch adapted to interlock with said clutch mechanism for preventing the operation of said clutch mechanism when said switch is closed.

6. In driving mechanism for a washing machine having a tub, a pair of angularly movable devices in said tub and a hollow center post having a fluid-tight connection with the lower wall of said tub and extending upwardly therefrom, the combination of a hollow shaft journaled within said post for actuating one of said devices, a second shaft journaled within said hollow shaft for actuating the other of said devices, a driving motor, driving connections from said motor to each of said shafts, a disconnecting device in each of said driving connections for making and breaking the driving connection, a controlling shaft, and means comprising cams mounted on said controlling shaft for operating each of said disconnecting devices.

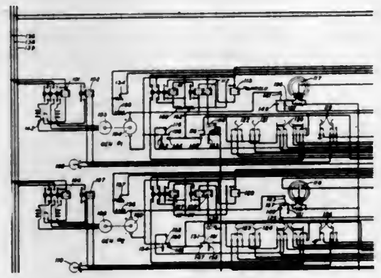
2,082,109
SWITCH MECHANISM FOR CONTROL APPARATUS
Ozro H. Hunt, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application August 29, 1933, Serial No. 687,330
7 Claims. (Cl. 200—56)



1. Switch mechanism, for control by a deflecting member influenced by a condition to be controlled through two circuits, and comprising a pair of contactors having intersecting engaging surfaces, the contactors being included respectively in the said two circuits and adapted to individually engage directly with the deflecting member in accordance with its position to one side or the other of the control point and simultaneously substantially at the control point, together with means to move periodically said contactors simultaneously toward and away from said deflecting member.

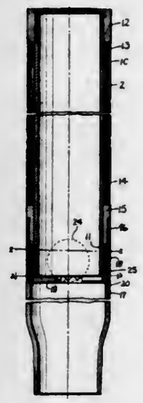
2,082,110
REGULATING SYSTEM
Harvey T. Langabeer, South Ozone Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 20, 1934, Serial No. 749,153
8 Claims. (Cl. 171—314)

1. In a regulating system, a load circuit, a storage battery associated therewith, a first generator connected across said battery and supplying current to said battery and load circuit, a second generator, and control means jointly responsive to a predetermined battery voltage and a predetermined current output of said first generator independent of the output of the battery to cause said second generator to start and



be connected to the battery in parallel with the first generator.

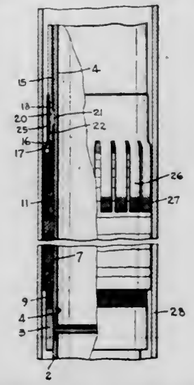
2,082,111
WELL PACKER MECHANISM
Leslie A. Layne, Houston, Tex.
Application July 16, 1934, Serial No. 735,367
16 Claims. (Cl. 166—10)



1. A well finishing tool comprising a drill pipe, a packer to seal the well around the pipe thereon, a well strainer on said pipe below said packer, and a drill bit below said strainer also on said pipe, in combination with a connecting device between said packer and said drill pipe to prevent relative rotation, and means in said tool holding said packer and said pipe against relative longitudinal movement, but adapted to be removed when desired to allow longitudinal movement to expand said packer.

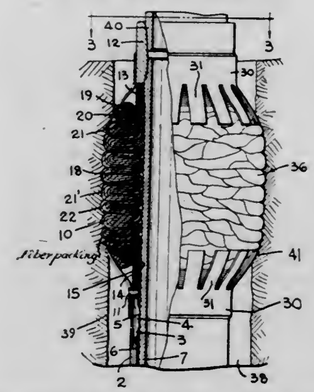
2,082,112
CASING PACKER
Leslie A. Layne and Harold C. Block, Houston, Tex.; said Block assignor to said Layne
Application December 3, 1934, Serial No. 755,720
13 Claims. (Cl. 166—10)

1. A packer including a support mandrel, a packing thereon adapted to be collapsed, a sleeve to move relative to said mandrel to collapse said packing, and a plurality of spaced wires restraining the packing so that a uniform expansion will be had, and means carried by said sleeve and overlying a part of the packing to expand with



the packing and restrain the packing from telescoping.

2,082,113
WELL PACKER
Leslie A. Layne and Louis C. Mundt, Houston, Tex.; said Mundt assignor to said Layne
Application December 3, 1934, Serial No. 755,721
16 Claims. (Cl. 166—10)

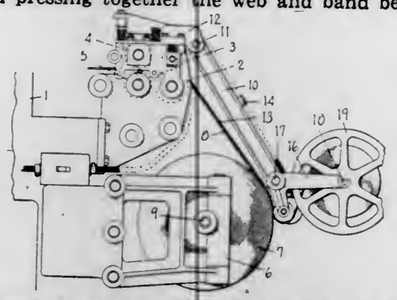


1. An open hole packer for wells including a mandrel, a packing, means to fix said packing to one end of said mandrel, a sleeve telescopically arranged over the other end of said mandrel, cooperating ratchet teeth on said sleeve and mandrel to hold the packer collapsed after telescoping of said sleeve and mandrel, slots in said packer and a series of expansible fingers overlying the upper and lower ends of the packing to guide the initial expansion thereof and to maintain the packing against movement after expansion.

2,082,114
APPARATUS AND METHOD FOR MAKING AND DELIVERING WRAPPERS
Carl Littlefield, Battle Creek, Mich., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich.
Application March 2, 1934, Serial No. 713,676
15 Claims. (Cl. 154—2)

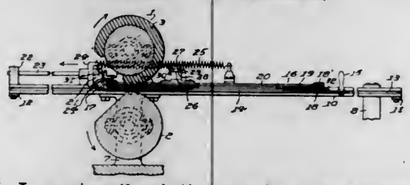
15. The method of laminating a band and a waxed web as the latter is withdrawn from a

supply roll, which comprises the step of heating and pressing together the web and band before



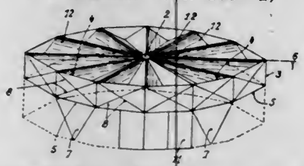
the waxed web leaves the roll, whereby the latter provides a backing for the pressing operation.

2,082,115
STENCIL PRINTING MACHINE
Stephen L. Mershon, Springfield, Pa.
Application July 12, 1935, Serial No. 30,973
9 Claims. (Cl. 101—116)



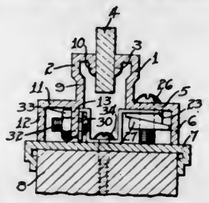
1. In a stencil printing machine, a sheet supporting plate, a frame providing a guideway for the opposite side edges of said plate, a pair of coacting rotatable rollers mounted in said frame, each of said rollers having a platen sector and having a portion removed to provide a free space between said rollers in the stationary position thereof, said plate being manually movable in said guideways into said space when said rollers are stationary, a yielding stop to accurately position the forward edge of said plate with respect to said rollers, a stencil movable with said plate with the sheet to be printed between said stencil and said plate, the platen sectors of said rollers respectively engaging said stencil and said plate to advance the same to effect the printing operation, and means to connect said stencil to said plate and to unvariably position said stencil with respect to said plate to maintain absolute registration of said stencil with said plate during the printing operation.

2,082,116
CONSTRUCTION ADAPTED TO COVER LARGE SURFACES
Eugène Germain Paul Mopin, Neuilly-sur-Seine, France
Application May 2, 1936, Serial No. 77,530
In France May 21, 1935
6 Claims. (Cl. 108—1)



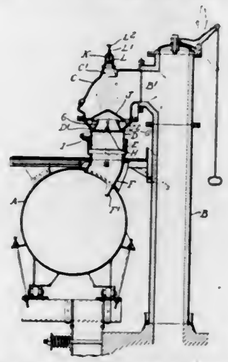
1. A construction of the type referred to comprising a peripheral belt shaped element, consisting of at least two superposed members of same form and which are rigidly connected together, and a number of rigid elements disposed radially of said belt shaped element, these radial elements being at their one end rigidly connected with each one of said superposed members and at their other end connected together practically in the center of the structure.

2,082,117
METAL SASH
Daniel James Murnane, Hollywood, Calif.
Application November 16, 1934, Serial No. 753,287
Renewed November 17, 1936
2 Claims. (Cl. 20—56.4)



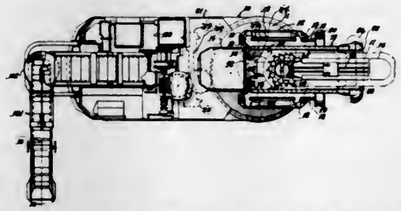
1. A sash for holding glass, comprising an inner sash member, an outer sash member, a U-shaped resilient connecting bracket for said sash members, the free ends of said bracket being disposed outwardly in a plane offset from the bight portion of said bracket, and means to fasten the free ends of said bracket to said sash members in adjusted position.

2,082,118
VALVED GAS OFF-TAKE
Joel Sanford Potter, Valley Cottage, N. Y., assignor to Wilputte Coke Oven Corporation, New York, N. Y., a corporation of Maine
Application November 2, 1934, Serial No. 751,172
6 Claims. (Cl. 202—258)



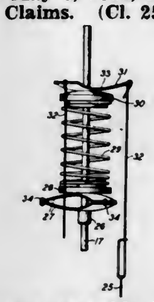
1. In a retort gas off-take, the combination with a downwardly extending conduit section through the upper portion of which wash liquor is continuously sprayed downward, of an annular valve member movable between an open position and a closed position, said member and section being relatively shaped and proportioned to form the opposing side walls of a liquid seal trough when said member is in its closed position, said trough being adapted to be opened at one side by the movement of said member into its open position, and a bell which in the closed position of said member has its rim portion depending into said trough and spaced from side walls thereof.

2,082,119
MINING MACHINE
Thomas E. Pray, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 19, 1933, Serial No. 666,838
Renewed October 1, 1936
12 Claims. (Cl. 262—28)



1. In a mining machine, a truck, a turntable thereon, a discharge opening in said turntable, a cutting element on said turntable including a motor arranged rearwardly of said discharge opening, a frame extending forwardly from said motor over said discharge opening, a cutter chain carrying cutter bar projecting from said frame arranged so that its rearward end is forwardly of said discharge opening in said turntable and adapted to cut a horizontal kerf, and an opening in said frame rearwardly of said cutter bar and forwardly of the forward end of said motor, disposed directly above and communicating with said discharge opening in said turntable.

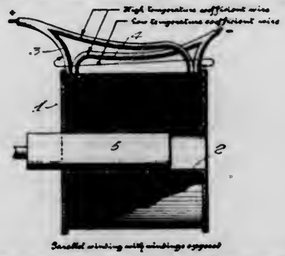
2,082,120
ELECTRON DISCHARGE DEVICE
Victor L. Ronci, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 3, 1934, Serial No. 723,685
20 Claims. (Cl. 250—27.5)



1. A supporting assembly in a discharge device comprising an electrode, a supporting member, tensioning means carried by said supporting member and coupled to said electrode, and auxiliary compressible means adapted to cooperate with said tensioning means to regulate the stress in said tensioning means under abnormal heating conditions.

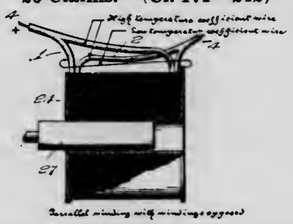
2,082,121
SLOW MAGNETIC REGULATING DEVICE
Albert B. Rypinski, Laurelton, Long Island, N. Y.
Application December 27, 1929, Serial No. 416,877
43 Claims. (Cl. 171—242)

1. In a control system, a pair of energizing windings positioned in opposed magnetic relation, a load circuit connected in series with and in non-magnetic relation to said windings, said windings being formed of materials having different temperature coefficients of resistance and subject to changes in temperature for producing disproportionate changes in the resistances and therefore in the currents in said windings, said windings being initially balanced to operate at unity power factor at one value of current



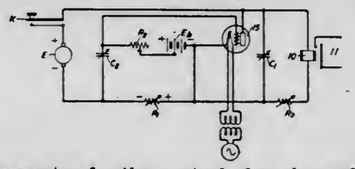
and temperature, and at less than unity power factor at other values of current and temperature, and when operating at less than unity power factor to introduce an inductive voltage drop in the circuit to control the current flow therein.

2,082,122
DISTRIBUTION SYSTEM
Albert B. Rypinski, Laurelton, N. Y.
Application November 24, 1933, Serial No. 699,619
26 Claims. (Cl. 171—242)



1. A power distribution system including in series therewith a current limiting impedance device, the inductive reactance of said impedance device varying over a time period after increase in current, said device comprising two parallel connected inductively coupled and opposed windings constituted by materials having different temperature coefficients of resistance, and producing changes in magnetism and inductive reactance with changes in temperature of the windings by reason of disproportionate changes in resistance of the two windings thereof.

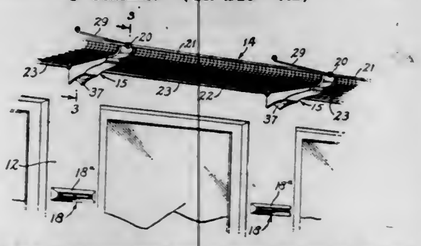
2,082,123
CIRCUIT CONTROL ARRANGEMENTS
Arthur L. Samuel, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 11, 1935, Serial No. 21,060
8 Claims. (Cl. 250—27)



1. Apparatus for the control of work or of electrical circuits comprising a source of unidirectional electromotive force, a work control means in series with the source, a switching means for initiating operation of the work control means,

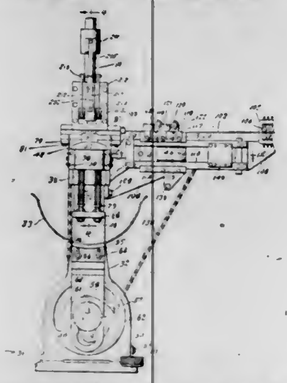
a gas-filled tube in shunt relation to said work control means, and means permitting breakdown of said gas-filled tube only after a predetermined interval of time following actuation of said switching means, said tube, upon breaking down, shunting current from said work control means and causing the latter to release.

2,082,124
LIGHTING APPARATUS
Lindsley Schepmoes, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey
Application April 9, 1935, Serial No. 15,456
8 Claims. (Cl. 240—7.1)



1. In a lighting system, in combination, a car, a baggage support longitudinally positioned upon, attached to, and extending outwardly from the side of said car and intermediate the floor and ceiling of said car, a plurality of casings depending from said support, lighting means mounted within said casings to direct light downwardly, and reflecting means secured to the side of the car and positioned below said casings adapted to reflect light toward the upper portions of the car at an acute angle with respect to the side of the car.

2,082,125
BASKET HANDLE MACHINE
Albert H. Schmidtke, St. Joseph, Mich., and Paul Hintz, Marshall, Tex., assignors to St. Joseph Iron Works, St. Joseph, Mich., a corporation of Michigan
Application January 21, 1935, Serial No. 2,670
12 Claims. (Cl. 140—93)

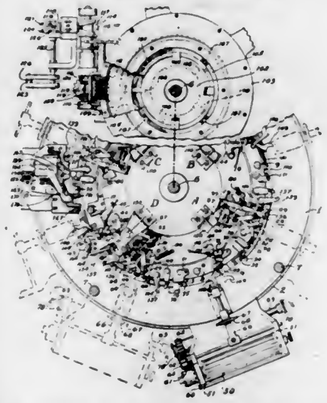


1. In a machine for attaching wire handles to the rim of a basket, the combination of handle forming and attaching mechanism including a pair of adjoining, successively reciprocable wire bending devices operable in substantially parallel paths, one of which forms the wire into bail shape and the other of which is operable thereafter to bend the ends of the wire along the side of the basket rim, and mechanism operable after formation of the wire into bail shape to drive the ends thereof through the basket rim before the wire ends are bent along the side of the basket rim.

2,082,126
METHOD OF MANUFACTURING POROUS METALLIC BODIES
Rudolf Schulz, Stuttgart, Germany
No Drawing. Application June 14, 1934, Serial No. 730,677. In Germany June 15, 1933
12 Claims. (Cl. 75—22)

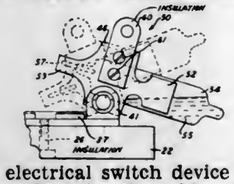
1. The method of manufacturing porous metallic bodies, which comprises mixing a metallic powder consisting of particles of a comparatively large size with a powder consisting of particles of the same metal of a comparatively small size, the first-mentioned particles being substantially less compressible than the second-mentioned particles and sintering the mixture in the absence of oxygen and pressure at a temperature which is lower than the melting point of said metal.

2,082,127
CIRCULAR KNITTING MACHINE
Julius Sirmay, Philadelphia, Pa., assignor to Jacquard Knitting Machine Co., Inc., a corporation of New York
Application June 5, 1930, Serial No. 459,339
10 Claims. (Cl. 66—20)



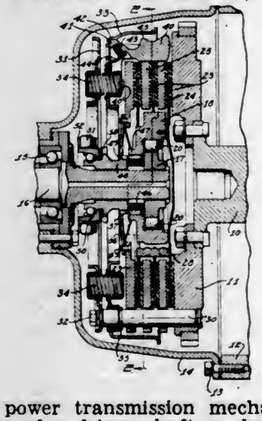
1. In a multi-feed circular rib knitting machine, sliding latch needles differing among themselves in form, the needles of different forms being intermixed in one needle bed and also intermixed in another needle bed, a needle-projecting cam at one feed operable on needles of one form in one bed, a needle-projecting cam at a second feed operable on needles of another form in the same bed, a needle-projecting cam at the first mentioned feed operable on needles of one form in said another needle bed, and a needle-projecting cam at the second mentioned feed operable on needles of another form in said another needle bed, said cams of the first mentioned feed on the one hand and said cams of the second mentioned feed on the other being movable to and from clearing position alternately, whereby fabric of one relation between the dial and cylinder stitches is producible at the first mentioned feed and fabric of another relation between its dial and cylinder stitches is producible at the second mentioned feed.

2,082,128
APPARATUS FOR ELECTRICAL USES
Miles L. Svikhart, Garden City Park, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 21, 1934, Serial No. 731,583
2 Claims. (Cl. 200—152)



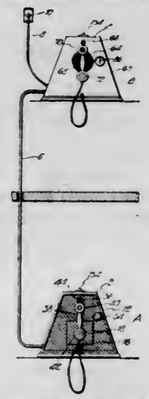
1. In an electrical switch device comprising a tiltingly operable circuit making and breaking device having a relatively frangible hollow glass body and two metallic electrodes extending through a wall of the body, a cradle comprising a base of insulating material, a pair of terminal members of metal mounted thereon, a pair of metal side members each tiltably mounted on one of the terminal members, each side member comprising a main portion and a body clamping member extending from the main portion in one direction and an electrode contacting member extending from the main portion in another direction, the two body clamping members being formed and disposed to receive and hold the frangible body therebetween and the two electrode contacting members being formed and disposed to each engage one of the electrodes.

2,082,129
CLUTCH MECHANISM
Cornelius W. Van Ranst, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 7, 1934, Serial No. 743,104
7 Claims. (Cl. 192—48)



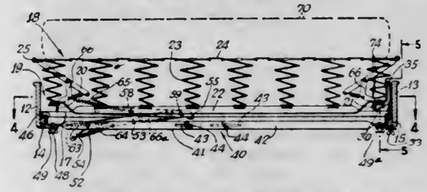
2. In a power transmission mechanism, the combination of a driven shaft, a clutch having driving and driven elements adapted to be pressed together, centrifugally operated means controlling the relation of said elements, a hub section driven by said driven elements, a hub section fixed to said shaft, an over-running drive connection between said hub sections, teeth on said hub section driven by said driven elements, a tooth member fixed to one of said driving elements, and a sleeve splined on said shaft and having tooth means manually shiftable to engage the teeth on said hub section driven by said driven clutch elements and the tooth member fixed to said driving element.

2,082,130
INTERIOR TELEPHONE EQUIPMENT
Richard Varley, St. George, N. Y., assignor to Inter-Outer Telephone Corporation, Dover, Del., a corporation of Delaware
Application August 24, 1935, Serial No. 37,625
24 Claims. (Cl. 179—1)



1. An interior telephone system comprising in combination, a telephone circuit adapted to interconnect two stations and including a transmitter and a loud-speaker at each station, a motor-driven timing and switching device for initially establishing said telephone circuit and automatically interrupting said circuit after a predetermined time interval and control means under the control of the operator at one of said stations for connecting the driving motor to a source of power.

2,082,131
BED
Louis J. Wiener, Brooklyn, N. Y.
Application May 9, 1934, Serial No. 724,634
6 Claims. (Cl. 5—323)

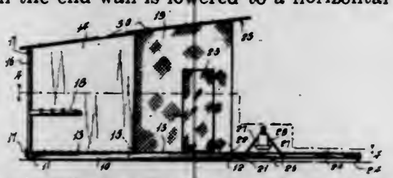


2. In combination with a bed having sideboards and molding strips on the inner surface thereof and adjacent the bottom edges thereof, a bed spring disposed between the sideboards, means on said molding strips supporting the bed spring, a member removably clamped to one of said molding strips and extending upwardly therefrom, and means for hinging said bed spring to the upper end of said member.

2,082,132
CHICKEN HOUSE
Lester P. Wright, Richford, N. Y.
Application January 23, 1936, Serial No. 60,537
2 Claims. (Cl. 119—21)

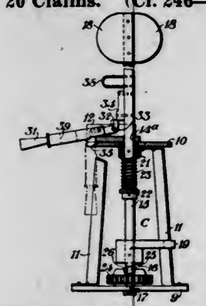
1. In a chicken house, an elevated wire mesh floor, a rear panel wall section, a front wire mesh wall section including an end wire mesh wall hinged at its lower horizontal edge, and occupying the entire transverse end area of the house

whereby the house is entirely open at one end when the end wall is lowered to a horizontal po-



sition and feed and water troughs pendulously supported on the hinged end screen wall and spaced inwardly of the inner side thereof.

2,082,133
RAILWAY SWITCH OPERATING APPARATUS
Leroy Wyant, Chicago, Ill.
Application May 28, 1932, Serial No. 614,241
20 Claims. (Cl. 246—240)



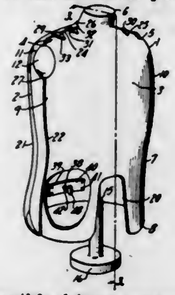
1. In combination, a railway switch, a shaft adapted to be both rotated about its axis and to be moved longitudinally between a first and a second position, means connected with the shaft for operating said switch in response to rotation of said shaft, power means for rotating said shaft connected with the shaft when and only when the shaft occupies said first position, means for biasing said shaft to said first position, and a manually operable lever constantly connected with said shaft for moving said shaft in opposition to said biasing means and for rotating said shaft about its axis.

2,082,134
PRODUCTION OF CALCIUM HYDRIDE
Peter Popow Alexander, Marblehead, Mass.
No Drawing. Application November 19, 1935, Serial No. 50,569
2 Claims. (Cl. 23—204)

1. The method of production of calcium hydride by a simultaneous action of hydrogen and magnesium on calcium oxide which comprises placing calcium oxide and magnesium in close association in a container filled with hydrogen, raising the temperature above the melting point of magnesium and supplying sufficient hydrogen until all the magnesium is oxidized and the corresponding amount of calcium hydride is formed.

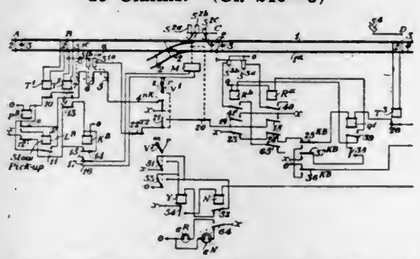
2,082,135
DISPLAY FORM
Stephen George Allan, Oklahoma City, Okla.
Application March 13, 1935, Serial No. 10,838
5 Claims. (Cl. 223—68)

1. In combination with a display form for clothing shaped to fit one style of garment and having front and back portions, shoulder portions and a neck portion, an attachment including a shell shaped to correspond to the back portion of the display form and provided centrally of its upper edge with a recess fitting the neck portion of the form, flexible hinges located at opposite sides of the recess of the attachment and secured to the same and provided with means for securing them to the shoulder portions of the dis-



play form, a flexible hinge arranged centrally of the recess of the said attachment and secured to the same and provided with means for securing it to the neck portion of the display form, and means for adjustably moving the shell on said flexible hinges to fill out the back portion of a garment carried by the display form.

2,082,136
RAILWAY TRAFFIC CONTROLLING APPARATUS
Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 23, 1931, Serial No. 532,174
Renewed September 15, 1932
19 Claims. (Cl. 246—3)

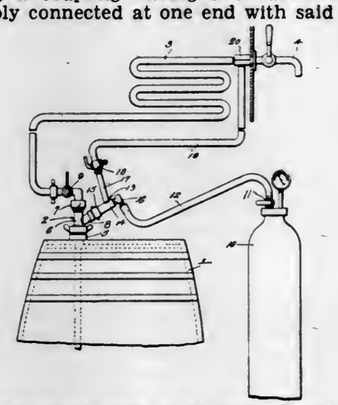


1. In combination, a section of railway track including a switch, a second section of said track adjacent said first section, a signal for governing traffic movements over said switch, a track circuit for said first section including a track relay, a track circuit for said second section including a second track relay, a stick relay, a pick-up circuit for said stick relay including a back contact of said first track relay in series with a front contact of said second track relay, a stick circuit for said stick relay energizable when and only when said signal is controlled to indicate "stop", a second stick relay, a pick-up circuit and a stick circuit for said second stick relay one of which is controlled by said first track relay and the other of which is controlled by said first stick relay, and means controlled by said second stick relay for controlling said switch.

2,082,137
BEER COIL DRAINAGE SYSTEM
Burton W. Baker, Ventura, Calif.
Application June 13, 1935, Serial No. 26,459
1 Claim. (Cl. 225—12)

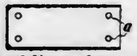
In a beer dispensing system including a barrel attached fixture having a tubular body portion

secured to the barrel and opening thereinto, a lateral tubular arm, a tube running through the body into the barrel and having a manually operated valve on its upper end, and a coil connected with the valved end of the tube and leading to a draft faucet; means for draining the coil comprising a coupling having a tubular body detachably connected at one end with said arm, a



slip-nozzle at the other end thereof with which a gas supply tube may be connected, a tubular arm leading from the side of the coupling body, a manually actuated valve at the end of the last arm, and a tube leading from said last valve and joining the coil adjacent the faucet, said two manually actuated valves constituting all of the valves associated with the draining means.

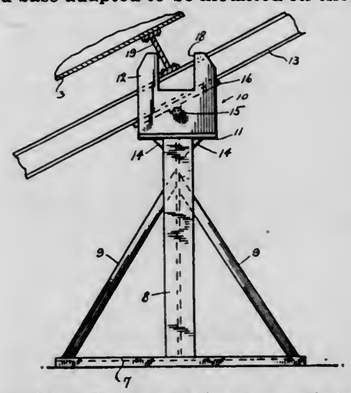
2,082,138
METAL ELEMENT FOR USE IN ERECTING TOY BUILDING STRUCTURES
Jules Louis Badel, Geneva, Switzerland
Application July 21, 1934, Serial No. 736,407
In France August 11, 1933
2 Claims. (Cl. 46—28)



1. A toy model building element, consisting of straight elongated nested male and female channel members slidably connected together to form a channel element of adjustable length, said nested members being of such relative sizes that the smaller member snugly and accurately fits into the larger and the external width of the side flanges of the inner channel member being equal to the internal width of the side flanges of the outer channel member so that the free edges of the flanges of the outer channel member will lie flush with and in the same plane as the outermost surface of the inner channel member, one of said members having a bolt hole provided therein and the other member having a slot provided therein adapted to register with the bolt hole in all positions of adjustment, and means for maintaining said members of the element in adjusted positions consisting of a bolt extending through the slot of one member and through the hole of the other member.

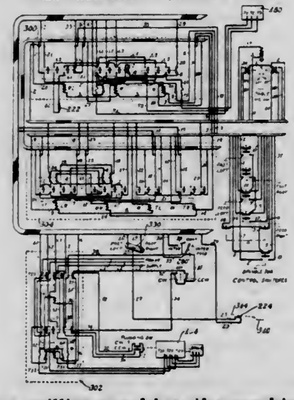
2,082,139
SAFETY BRACKET FOR DUMP BODIES
Adam H. Bassetti, West Haven, Conn.
Application June 20, 1936, Serial No. 86,428
2 Claims. (Cl. 248—351)

2. A safety bracket for vehicles of the type including a frame and a dump body hingedly mounted on said frame, said body including transverse supporting beams and longitudinal supporting beams mounted beneath said transverse beams, comprising a substantially channel-shaped base adapted to be mounted on the frame,



a post rising from said base, a substantially U-shaped head mounted on the post and adapted to receive one of the longitudinal beams therebetween, said head having recesses therein for the reception of one of the transverse beams.

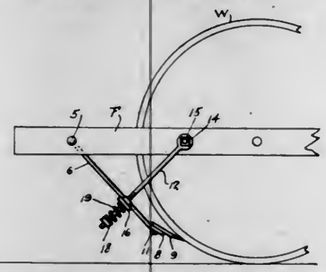
2,082,140
MILLING MACHINE
Arthur F. Bennett, West Barrington, and August L. Krause, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application May 1, 1935, Serial No. 19,214
19 Claims. (Cl. 90—21)



14. In a milling machine, the combination with a rotary cutter spindle and work support reciprocable with relation thereto, of a spindle driving motor, a power drive for the work support comprising a reversible electric motor and connections therefrom for driving the table alternatively at feeding and quick traverse rates and in opposite directions, electrically controlled operating switches for operating the motor and support in opposite directions, an electrically controlled quick traverse switch, connections acting when rendered operative to actuate said motor drive at a quick traverse rate, control elements for said switches to determine the direction and rate of travel of the support, and electrical connections actuated by said control elements for starting and stopping the spindle motor com-

prising a selector switch having three alternative positions, and separate electrical circuits controlled by the position of said switch alternatively to connect the spindle motor for continuous operation, or through said motor operating switch to drive the spindle intermittently only during the movement of the support in either direction, or alternatively through said operating and quick traverse switches to drive the spindle only during the travel of the support at a feeding rate.

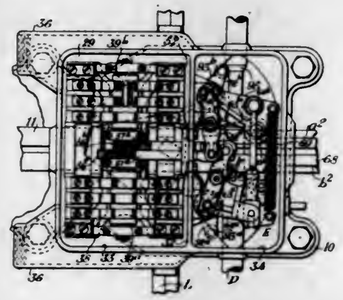
2,082,141
SCRAPER
Anton A. Beran, Claflin, Kans.
Application March 28, 1936, Serial No. 71,505
1 Claim. (Cl. 280—158)



A scraper of the class described comprising a substantially U-shaped frame disposed in straddling relation to the wheel, the side portions thereof being secured to the axle of said wheel, a bolt extending transversely through the sides of said frame, adjacent the bight portions thereof, an elongated plate swingable at one end thereof on said bolt, a blade disposed on the free end of said plate, a pair of rods rotatably secured to said frame forwardly of the pivotal point of connection of the plate, a cross bar on said plate having openings through which the free end of said rod extends, springs on said rod, disposed below said plate, nuts on the rods for securing adjustably said springs in position on said rod, said bar being disposed below the pivotal point of connection of said elongated plate.

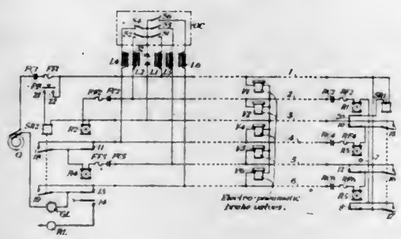
2,082,142
RAILWAY SWITCH OPERATING APPARATUS
Herbert L. Bone, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 13, 1933, Serial No. 665,914
48 Claims. (Cl. 246—253)

1. In combination, a railway switch, a slide bar movable longitudinally between two extreme positions and operatively connected with the switch in such manner that movement of said slide bar between its two extreme positions will move the switch between its two extreme positions, a rockshaft, an arm secured to said rockshaft and provided with a roller, a motion plate secured to said slide bar and provided with a first recess which is adapted to receive said roller and which aligns with said roller when and only when said slide bar occupies one extreme position and with a second recess which is also adapted to receive said roller and which aligns with said roller when said slide bar occupies any position intermediate its two extreme positions, the parts being so proportioned that said rockshaft will be rotated to one extreme position when said roller enters said first recess, to an intermediate position when said roller enters said second recess, and to another extreme position when said roller is forced out of both recesses, a spring operatively connected with said rock-



shaft for biasing said rockshaft in the direction to cause said roller to enter said recesses, and a circuit controlling element controlled in accordance with the position of said rockshaft.

2,082,143
ELECTRIC SIGNALING SYSTEM
Paul N. Bossart, Cheswick, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 14, 1936, Serial No. 96,008
12 Claims. (Cl. 177—311)

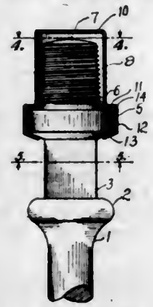


1. In a control system involving at least four control wires each extending between two remote stations the combination therewith including, a source of current at one station and having its terminals connected between a first and a last one of the control wires, a plurality of relays part located at said one station and part located at the other station, means to connect the control wires in a series circuit back and forth from one station to the other with a winding of a different one of the relays interposed in each connection where two control wires are connected together and with a front contact of each relay interposed in the next adjacent connection of the control wires, and signaling means responsive to current flowing in said series circuit.

2,082,144
THREAD PROTECTOR
Don S. Bowers, Tulsa, Okla.
Application August 10, 1936, Serial No. 95,122
4 Claims. (Cl. 138—96)

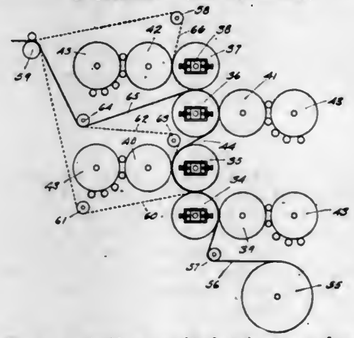
1. A device of the character described including a cup adapted to be sleeved over the ends of a sucker rod having clamping lugs at one end

adapted to engage portions of said sucker rod for securing the cup to the rod, and means interposed



between said cup and sucker rod for sealing the interior of said cup.

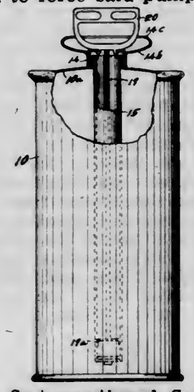
2,082,145
MULTICOLOR PRINTING MACHINE
John A. Boyce, deceased, late of Berkeley, Calif., by John F. Thomas, administrator, Berkeley, Calif., assignor to Josie Boyce, Berkeley, Calif.
Application January 15, 1935, Serial No. 1,884
5 Claims. (Cl. 101—180)



1. In a printing unit having a plurality of printing couples consisting of a vertical tier of impression cylinders and a plate cylinder laterally cooperating with each impression cylinder; means for directing a web upwardly to the lowermost printing couple and thence upwardly through the series of printing couples, a drag roller, and a guide roller in web-cooperative relation to each impression cylinder and to said drag roller, whereby a web may be forwarded at will from any impression cylinder in said series to said drag roller.

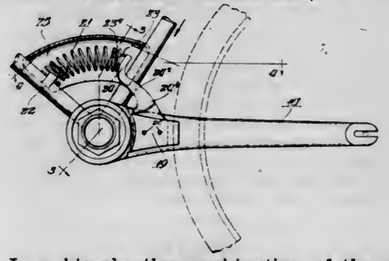
2,082,146
DISPENSING DEVICE
Henry E. Brandt, St. Paul, Minn., assignor to The Dobbins Manufacturing Company, North St. Paul, Minn., a corporation of Minnesota
Application February 14, 1935, Serial No. 6,516
16 Claims. (Cl. 221—77)

1. A sprayer structure comprising a receptacle for liquid having a sheet metal top portion with an aperture therein, a substantially cylindrical neck portion extending upwardly from around said aperture and having an inwardly directed flange at its lower end, said top being reversely bent to embrace said flange and tightly connect said neck and top, said reversely bent portion forming a flange, a pump cylinder having a flange adapted to be supported on said flange and form a seal therewith a pump plunger rod extending upwardly from said cylinder, and a closure member threaded into said neck portion and adapted to force said pump cylinder flange



toward said first mentioned flange and having an opening through which said plunger rod passes.

2,082,147
BICYCLE
Don W. Bryant, Chicago, Ill., assignor of one-fourth to David B. Shapiro, and one-fourth to Bernard H. Sachar, Chicago, Ill.
Application August 28, 1935, Serial No. 38,286
9 Claims. (Cl. 208—97)



1. In a bicycle, the combination of the main V-frame, a rear-wheel fork making a pivotal connection with the apex of the frame, an arm carried by a portion of said fork, said arm being extended forwardly to the space in the angle of the frame, a spring between the arm and the forward post of said frame, said spring being of the coil type, a headed lug extending inwardly from said forward post and retentively receiving the forward end of the spring by the threading of the latter over the lug, a forwardly extending lug carried by the arm and receiving the rear end of the spring, and a cross-pin intersecting the spring and the arm lug to removably affix the spring to the latter.

2,082,148
RAILWAY TIE PLATE AND RAIL CLIP
John Logan Campbell, Oakland, Calif.
Application August 26, 1935, Serial No. 37,893
1 Claim. (Cl. 238—338)

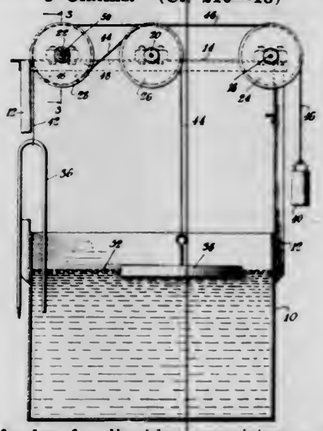
The combination of a metal tie plate and metal rail clip assemblies wherein the plate and the clip assemblies are so cooperatively designed and combined that the plate, designed for a maximum and a minimum width of rail base, serves equally well all widths of rail base within said maximum and minimum widths, and each clip assembly serves, within said widths, the particular width of rail base for which it is designed, each clip assembly being adjustable to such particular

width by change of only one dimension of only one member of said clip assembly, said plate having two slots therein of such lengths and spacing on the plate transversely of the rail base as are necessary to accommodate the maximum and the minimum widths of rail base for which the plate is designed, said slots being so designed that they can receive and hold therein the rail clip assemblies so designed that they can be received and held in the slots for which they are designed; and wherein, for the purposes herein described, there are, in a tie plate and rail clip assembly, a slot in said plate to receive and hold said assembly, said slot, transversely of the plate, being wider at the bottom than at the top, thereby providing wedging surfaces, the rail clip assembly consisting of a clip block, a clip bolt, a clip bolt nut and a filler block, said clip bolt having a wedge-shaped head to fit the slot, said filler block filling the outer section of the slot, said



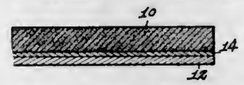
clip block having a clip bolt hole near its end adjacent to the rail base and a lug extending into the slot and abutting the filler block, said filler block being covered and held in the slot by an under surface of said clip block, and said clip bolt nut having a circular flange extending beyond the inner edge of the clip block and over the rail base; and wherein the distance between the inner ends of the clip blocks adjacent to the edges of the rail base is increased or decreased by decreasing or increasing the lengths of the filler blocks to accommodate corresponding increases or decreases in the width of the rail base, the clip blocks moving, transversely of the rail base, outward or inward distances equal to and with decreases or increases of lengths of the filler blocks, thereby making the combination of a tie plate and rail clip assemblies herein described universal for all rails not larger or smaller than the largest rail and the smallest rail for which said combination is designed.

2,082,149
REAGENT FEEDER
John H. Cheavens, Samne, Peru, assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application November 13, 1935, Serial No. 49,521
5 Claims. (Cl. 210—18)



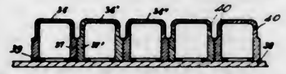
1. A feeder for liquids comprising a tank, a siphon for withdrawing liquid from said tank, a float in said tank and means associated with said siphon and said float for constantly maintaining the inlet of said siphon a predetermined distance below the level of liquid in said tank as the level of the liquid therein recedes.

2,082,150
REENFORCED ABRASIVE MEMBER AND METHOD OF MAKING THE SAME
Alden W. Coffman, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 11, 1935, Serial No. 26,077
6 Claims. (Cl. 51—209)



2. As a new article of manufacture, an abrasive member provided with pores throughout, a metal backing member of substantial thickness and strength, a relatively thin layer of metallic adhesive interposed between said backing member and said abrasive member and extending into the pores of the adjacent surface only of said abrasive member to key the same thereto and alloyed to said backing member whereby said abrasive member is rigidly secured to said backing member solely by said interposed layer of metallic adhesive and which constitutes a metallic bond, the porous nature of the abrasive member permitting the same to be ground down substantially to the metal bond provided by the metal adhesive.

2,082,151
CUSHION PARTICULARLY FOR SEATS AND BACK SUPPORTS OF VEHICLES
Félix Marie Joseph Tyrel de Poix, Rueil, France, assignor to Societe H. & F. de Poix & Cie, Rueil (S. & O.), France, a corporation of France
Application November 9, 1933, Serial No. 697,291
In France November 16, 1932
6 Claims. (Cl. 155—179)

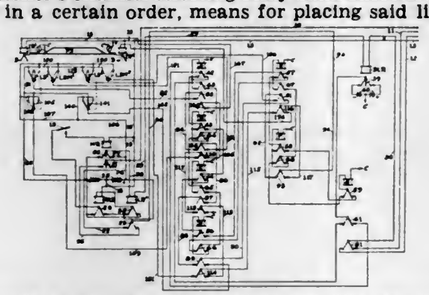


2. A resilient cushion comprising a series of rubber elements in the form of cups opened at one end and closed at the other end, means such as ribs being provided extending along a portion of the walls of said elements from the opened end thereof, means for connecting each element to the adjacent elements through said ribs, passages provided in the cups in the closed ends thereof in a manner to connect the inner recess of each cup with the spacing separating it from the adjacent cups, and a member for supporting and uniting all the elements at the opened ends thereof.

2,082,152
TRAIN DISPATCHING SYSTEM FOR RAILROADS
Oscar H. Dicke and Forest B. Hitchcock, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application March 13, 1929, Serial No. 346,731
23 Claims. (Cl. 246—3)

1. In a train dispatching system, the combination with a dispatcher's office and a plurality of way stations; of switch machines and signals at the way stations and indicators at said dispatcher's office; and a synchronous selector system for

controlling said switch machines, signals, and indicators comprising; a dispatcher's channel selecting relay bank located at the dispatcher's office, a line relay at the dispatcher's office for controlling the selecting operation of said dispatcher's channel selecting relay bank, a way station channel selecting relay bank having relays corresponding in number respectively to the relays of said dispatcher's channel selecting relay bank and having its relays distributed among the various way stations, a line relay for each of said way stations for controlling the selecting operation of said channel selecting relays at its respective way station, means for operating the channel selecting relays of the dispatcher's channel selecting relay bank successively in a certain order, means for placing said line



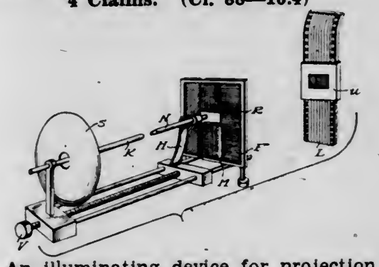
relays at the several way stations successively and sequentially in multiple in a line circuit with said line relay at said dispatcher's office, whereby the way station channel selecting relays are operated sequentially and in synchronism with their corresponding channel selecting relays at the dispatcher's office, and whereby the way station channel selecting relays are operated at only one station at a time, and a plurality of message circuits each including the same message and return line wires completed successively during a cycle of said channel selecting relays, each of said message circuits including contacts of two adjacent relays of the dispatcher's channel selecting relay bank, and each of said message channel circuits being used to control a particular signal, indicator or switch machine.

2,082,153
FACIAL STEAMING PAD
John Dopyera, Los Angeles, Calif.
Application November 13, 1935, Serial No. 49,501
3 Claims. (Cl. 128—163)



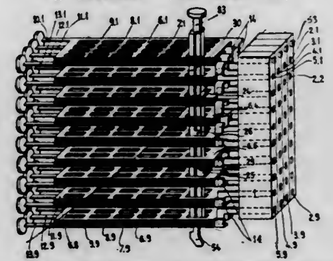
1. A facial steaming pad, said pad including two members, a back member and a front member, each of said members being made of a cloth material having a substantially V-shaped notch in the upper edge thereof intermediate the width of said pad, said members being secured together at the upper edges on each side of said notch, the remainder of the edges of said members being free from each other, a filler, said filler member including a front member and a back member, said filler members each having a substantially V-shaped notch in their upper edges intermediate the width thereof, said filler members being secured together along a portion of their upper edges on each side of said notch portion, the remainder of the edges of said filler members being free from each other, one of said pad members and one of said filler members, including coacting fastening means for removably securing said pad and said filler together.

2,082,154
APPARATUS FOR PROJECTING LENTICULAR FILM
John Eggert, Leipzig-Gohlis, and Gerd Heymer, Wolfen Kreis Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application June 27, 1934, Serial No. 732,703
In Germany June 28, 1933
4 Claims. (Cl. 88—16.4)



1. An illuminating device for projection of a lenticular film which comprises, in combination, an arc lamp, a lenticular film arranged with the lenticular elements facing the arc lamp, means for projecting an image of the arc on said film, a multi-color filter of parallel strip form arranged between said film and said means for projecting an image of said arc on said film, and a carbon holder for holding the positive carbon in the direction of the optical axis of the device, said carbon holder comprising an arm arranged in the path of the projected image to block light only from a part of a junction line between strips of said filter and a small band perpendicular to a junction line.

2,082,155
CASH REGISTER AND COMPUTING MACHINE
Attilio Errera, Turin, Italy
Application May 23, 1933, Serial No. 672,495
In Italy June 11, 1932
4 Claims. (Cl. 235—46)



1. In a cash register or computing machine, a plurality of stops arranged in a row, parallel movable plates each cooperating with one of said stops for shifting it, each of said plates having slots and said slots being in register with each other in said several plates, engaging means on one edge of each of said plate slots, said engaging means being differently located in those of said plates which cooperate with said several stops,

manipulating members each extending through registering slots in said plates, and means on each of said manipulating members cooperating with the engaging means of selected plates for selective actuation of said plates to shift said respective stops.

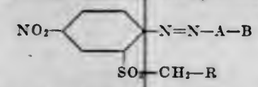
2,082,156
AZO DYESTUFFS

Friedrich Felix and Wilhelm Huber, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Original application March 21, 1935, Serial No. 12,299. Divided and this application October 15, 1935, Serial No. 45,164. In Switzerland March 24, 1934

14 Claims. (Cl. 260—96)

1. The azo-dyestuffs of the general formula



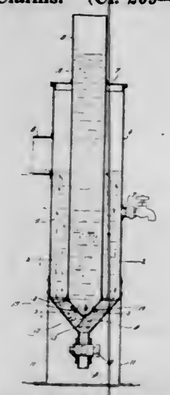
in which R stands for a member of the group consisting of hydrogen, alkyl and aryl, A for an aromatic nucleus of the benzene series, and B for an amino group standing in the 4-position to the —N=N-group, which products are dark powders soluble in pyridine to red, violet, blue and green solutions and dyeing lacquers and the fiber red to blue tints.

2,082,157
METHOD AND APPARATUS FOR CONCENTRATING ORES

Franklin F. Grant, San Diego, Calif.

Application November 12, 1935, Serial No. 49,361

6 Claims. (Cl. 209—183)



2. In a receptacle for concentrating ores, a hopper having a funnel-shaped bottom for containing ore pulp, said hopper being provided with a plurality of tangential outlets at the bottom thereof, a receptacle having a funnel-shaped bottom for mercury surrounding said outlets and in proximity thereto, in such position as to have imparted by the flow of ore pulp through said outlets a rotary movement in the space between said bottoms.

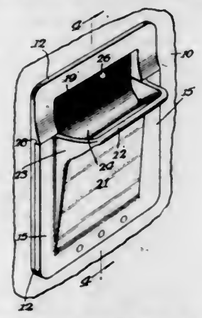
2,082,158
ASH RECEIVER

Andrew T. Hagerty, Elkhart, Ind., and John L. Mohun, Chicago, Ill., assignors to The Adlake Company, a corporation of Illinois

Application January 2, 1936, Serial No. 57,198

22 Claims. (Cl. 206—19.5)

1. An ash receiver comprising a frame plate for surrounding a wall aperture, an upwardly open receptacle of less height and width than the frame aperture, its front wall overlapping the side and bottom members of the frame and being pivotally attached to the bottom member of the latter, the upper portion of such front wall being inclined outwardly and upwardly, and a plate pivotally attached across the upper portion of the frame opening to swing inwardly and being of such extent as to engage the inner face of the front wall of the receptacle adjacent the lower margin of its outwardly inclined portion.

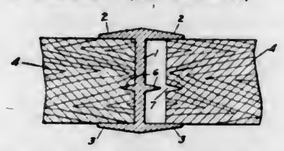


2,082,159
BUTT JOINT

Ray C. Hansen, Portland, Oreg., assignor to M & M Wood Working Co., Portland, Oreg., a corporation of Oregon

Application June 11, 1935, Serial No. 26,088

3 Claims. (Cl. 138—79)



1. In a wood stave pipe or tank, means for aligning the ends of abutting staves and holding the same in juxtaposition with adjoining staves, said means including a web disposed between the ends of abutting staves, said web being provided with opposed flanges for engaging the respective inner and outer surfaces of said staves, and a longitudinally straight, wedge-shaped rib integral with said web for wedging the sides of the end portions of the staves against the opposed flanges to form a water tight joint between the flanges and the staves.

2,082,160
PSEUDOAZIMIDO COMPOUNDS AND PROCESS OF PREPARING THE SAME

Hans Henecka and Hans Andersag, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application August 2, 1935, Serial No. 34,476. In Germany September 7, 1934

16 Claims. (Cl. 260—41)

1. Pseudoazimido compounds in which two nitrogen atoms of the pseudoazimido group are linked to two carbon atoms standing in orthoposition in a quinoline compound and the third nitrogen atom of the pseudoazimido group is linked to a quinoline radical, at least one of the quinoline nitrogen atoms being in its quaternary state.

2,082,161
DEHYDRATION OF ANTIMONY TRIFLUORIDE AND MANUFACTURE OF FLUORINATED ALIPHATIC COMPOUNDS

Albert L. Henne, Columbus, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

No Drawing. Application January 30, 1931, Serial No. 512,469. Renewed October 16, 1935

1 Claim. (Cl. 260—162)

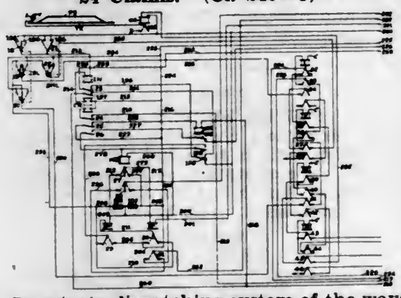
The manufacture of halo-fluoro aliphatic derivatives of hydrocarbons which comprises mixing wet antimony trifluoride and an azeotropic distillation agent, evaporating the distillation agent and water from the fluoride, reacting the antimony fluoride thus obtained with a halogen derivative of an aliphatic hydrocarbon, containing a halogen other than fluorine.

2,082,162
TRAIN DISPATCHING SYSTEM FOR RAILROADS

Forest B. Hitchcock and Oscar H. Dicke, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

Application March 9, 1929, Serial No. 345,667

24 Claims. (Cl. 246—3)



1. In a train dispatching system of the wayside signal control type, the combination with a large number of wayside signals located along the railway track and each controlled by traffic conditions ahead, of means for controlling said signals distinctively over the same line wires comprising, a bank of relays in the dispatcher's office, a bank of relays at each of a plurality of way stations, means for operating the relays of each bank sequentially in a particular order, and over an uninterrupted line circuit, in such a way that corresponding relays of all the banks are operated synchronously and so that corresponding relays of all banks at all times assume corresponding positions, and a plurality of message circuits for controlling said signals closed sequentially and each including the same line wire and including contacts of corresponding relays of the dispatcher's office bank and a particular way station bank.

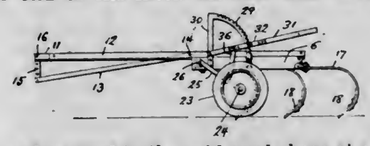
2,082,163
SOIL EROSION CONTROLLING APPARATUS

Roy Jeoffroy, Perryton, Tex.

Application June 18, 1936, Serial No. 86,015

1 Claim. (Cl. 55—74)

In a ground working machine, a wheeled frame, a draft appliance attached to the frame, said draft appliance comprising a pair of angle bars each secured at its rear end portion to the frame and extending forwardly from the frame in close spaced parallel relation to each other, a hitch member having its upper end secured to the forward end of the angle bars and between the same, and a brace bar extension rearwardly from the lower end of the hitch member and having its rear end secured to the said angle bars at a point between the intermediate portions thereof.

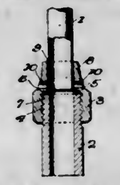


2,082,164
TUBE FITTING

Sebastian Karrer, Washington, D. C., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland

Application March 13, 1934, Serial No. 715,367

4 Claims. (Cl. 285—86)



1. In a coupling for a thin-walled tube to be subjected to freezing and thawing temperatures and wherein the coupling nut clamps the end of the tube against a fitting member and surrounds the tube with a relatively slight clearance in which moisture may collect and freeze, said coupling nut having means for relieving pressure due to the freezing of moisture in the clearance between the nut and tube, said means including one or more expansion recesses leading from said clearance outwardly to the atmosphere.

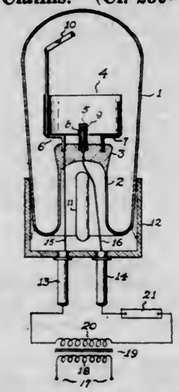
2,082,165
GASEOUS DISCHARGE RECTIFIER

James D. Le Van, Belmont, Mass., assignor to Raytheon Production Corporation, Newton, Mass., a corporation of Delaware

Application October 8, 1932, Serial No. 636,852

Renewed October 30, 1936

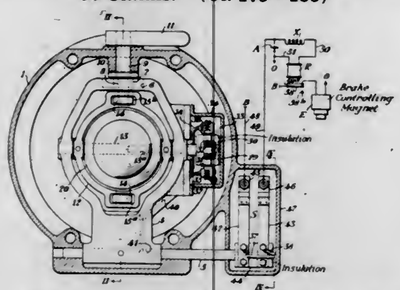
8 Claims. (Cl. 250—27.5)



1. A gaseous discharge device comprising a hermetically-sealed envelope containing an ionizable gas, a glow discharge cathode of extended area and an anode, said electrodes being adapted to support an ionizing discharge through said

gas, said cathode having its operating surface formed of copper, a layer of copper oxide thereon and an alkali metal deposited on said layer, said operating surface being electron-emitting, said cathode being provided with an aperture, a reentrant stem carrying a press, a rod-shaped anode sealed in said press and presented to said electron-emitting surface through said aperture, a metal sleeve surrounding said anode from said press to a point sufficiently above the upper end of said anode to prevent material vaporized from said anode from escaping from said sleeve and extending through said aperture, said sleeve being insulated from said cathode and anode and spaced from said anode and the sides of said aperture an insulatingly short distance, said sleeve being open at its upper end to allow a discharge to pass between said electron-emitting surface and anode.

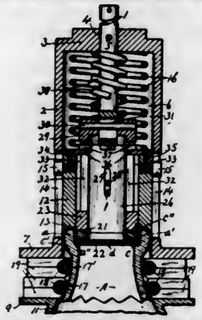
2,082,166
SPEED RESPONSIVE APPARATUS
John W. Livingston, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 11, 1936, Serial No. 90,161
30 Claims. (Cl. 175—183)



1. Apparatus responsive to the speed of a movable body comprising a pivoted inertia member, a conducting bracket secured to said inertia member, two contact members secured to said conducting member, a rocker adapted to be oscillated at a frequency which varies with the speed of the body, two resilient contact fingers secured to said rocker, two conducting members secured to said two contact fingers respectively and each cooperating with a different one of said first mentioned contact members to form a contact, said contact fingers being so arranged and the parts being so proportioned that both contacts are biased to closed positions and that when said rocker is oscillated an accelerating force will be imparted to said inertia member first in one direction and then in the other direction during each cycle through the medium of said contact fingers, and an electroresponsive indicating device controlled by said two contacts connected in series.

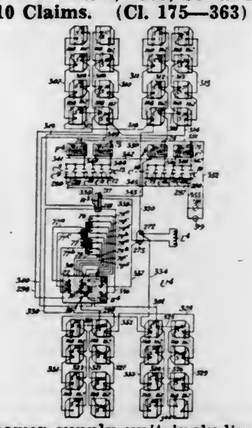
2,082,167
BOTTLE CAPPING MACHINE
Charles A. MacCordy, Syracuse, N. Y., assignor to Sanitary Metal Cap Corporation, Syracuse, N. Y.
Application January 2, 1934, Serial No. 704,899
13 Claims. (Cl. 226—83)

7. In apparatus for applying over-all bottle caps to containers, said caps having a marginal skirt and a central cup-shaped portion, a reciprocable head including an expansible and contractible member adapted to fit over the outside of the marginal skirt of the cap, and a second expansible and contractible member adapted to be inserted within the cup-shaped portion of the cap, said expansible and contractible members being movably mounted so as to successively produce a contraction of the cap skirt about the mouth of the container and an expansion of the



cup-shaped portion of the cap into snug engagement with the inside of the mouth of the container pursuant to reciprocation of the head in one direction, and means for causing said last mentioned expansion to take place after the contraction and release of the skirt by the first mentioned expansible and contractible member.

2,082,168
POWER SUPPLY UNIT
Reid B. McKinley, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 8, 1935, Serial No. 10,087
10 Claims. (Cl. 175—363)

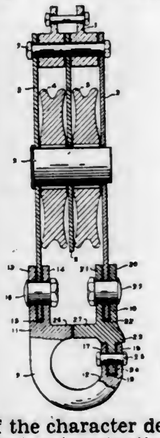


1. In a power supply unit including a rectifier for supplying rectified direct current to a load from a source of alternating current, and filtering means including a condenser adapted to be connected in parallel with the load, in combination, a fuse comprising two conducting members at least one of which is biased to one position but is held in another position by a fusible member which connects the two members, a contact member adapted to be engaged by said one conducting member when said one conducting member is moved to its one position, means for connecting said condenser in parallel with said load over a circuit including said two conducting members and said fusible member of said fuse, an indication means, and means controlled by the contact formed by said one conducting

member and said contact member for connecting said indication means in parallel with said load, whereby if said condenser becomes short-circuited said fusible member will blow and permit said contact to close, thereby interrupting the circuit for the condenser and completing the circuit for the indication means.

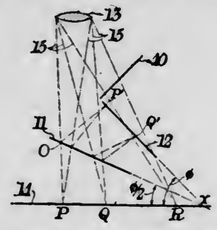
5. A rectifier stack comprising a bolt, an insulating sleeve surrounding said bolt, a plurality of rectifier disks assembled on said sleeve, a thin layer of impressionable conducting material disposed on each side of each disk, a plurality of spacers interposed at intervals in said stack, a plurality of rectangular fins interposed at intervals in said stack, certain of said fins having all four corners cut away and certain other of said fins having only three corners cut away, nuts screwed onto the ends of said bolt to apply pressure to said stack, insulating washers interposed in said stack between said nuts and the adjacent elements of the stack to insulate the elements of the stack from the bolt, said disks being arranged in groups in said stack with the disks of each group all disposed in the same direction and with the disks of opposite groups disposed in opposite directions, and said fins being arranged in said stack in such manner that a fin with only three corners cut away is disposed between each two adjacent groups and at each end of the two end groups, and bus bars disposed at diagonally opposite corners of the fins and extending through holes provided in the remaining corner of those fins which have only three corners cut away and electrically connected with the associated fins at the corners, the bus bars being connected to the fins in such manner that each group of disks provides a current path from the one bus bar to the other bus bar.

2,082,169
BECKET
William H. McKissick, Tulsa, Okla.
Application November 19, 1936, Serial No. 111,730
5 Claims. (Cl. 254—193)



1. A structure of the character described, comprising a hook member terminating in a bill, a hook closing member, means detachably joining the end of the bill to the lower end of the hook closing member, a plurality of side plates, rotatable pulley means arranged between said plates, a first means at the upper end of the hook member connecting it to one of the plates, and separate means arranged at the upper end of the hook closing member for connecting the latter to the other one of said plates independently of said first connecting means, one of said members being movable relatively to the other when said joining means is released, whereby said members, connecting means, and plates are adapted to form an unobstructed entrance to the pulley means to permit a line to be reeved on the pulley means without detaching either of said members from the plate with which it is connected.

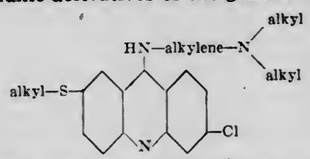
2,082,170
DEVICE FOR FOCUSING ENLARGERS
Daniel B. McRae, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 16, 1936, Serial No. 80,109
3 Claims. (Cl. 88—24)



1. A device for focusing enlargers adapted to be placed on a paper easel, comprising in combination, an inclined mirror adapted to reflect a portion of an image projected toward said easel, a ground glass viewing screen arranged at an acute angle to said easel and adapted to receive said projected image, the plane of said mirror bisecting the angle formed by said easel and the plane of said screen, a box-like supporting member for said screen and said mirror, said member having a plurality of sides, positioning lugs on certain of said sides arranged to engage and position said mirror and said screen, and means including a shield formed from one of said sides and arranged to overlie the upper surface of said screen to avoid stray images thereon.

2,082,171
BASICALLY SUBSTITUTED AMINO ACRIDINE DERIVATIVES
Fritz Mietzsch and Hans Mauss, Wuppertal-Barmen, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 21, 1934, Serial No. 726,866. In Austria May 24, 1933
7 Claims. (Cl. 260—36)

3. Acridine derivatives of the general formula:

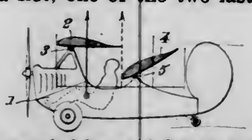


which compounds are light yellow substances, insoluble in water, soluble in dilute mineral acids, with which they form water-soluble salts.

2,082,172
AEROPLANE
Henri Mignet, Meaux, France
Application April 16, 1936, Serial No. 74,769
In Belgium April 26, 1935
16 Claims. (Cl. 244—48)

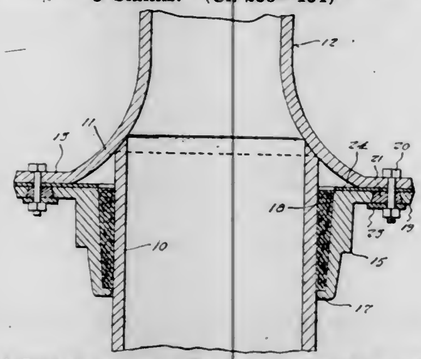
1. A flying machine which comprises, in combination, a frame, two aerofoils carried by said

frame one behind the other, control means for varying the incidence of the first aerofoil, control means for varying the incidence of the second aerofoil, a single operating control member for simultaneously operating both of said control means, each of said control means including a plate provided with a curved slot and a pin slidable in said slot, one of the two last mentioned



parts being carried by said frame and the other being interposed between said operating control member and the aerofoil connected with said control means, said slots being so shaped that, for at least a part of the range of variation of the incidence of the aerofoils, a reduction of the incidence of the rear aerofoil corresponds to an increase of the incidence of the front aerofoil.

2,082,173
PUMP STAND ASSEMBLING AND RETAINING MEANS
Junius G. Miller, Oshkosh, Wis.
Application October 2, 1936, Serial No. 103,793
3 Claims. (Cl. 285—134)



1. In a structure of the class described, in combination, a well casing, a one-piece pump stand including a base having an outwardly flared conical portion sitting down over the upper end of said well casing, said conical portion being provided with an integral outstanding apertured retaining flange, a separate collar surrounding the adjacent underlying portion of the well casing and provided with a flange abutting and secured to said first-named flange, set screws carried by said collar and secured against the well casing, said collar surrounding the well casing in concentric spaced relation to form an annular pocket, and plastic filler means in said pocket providing a fluid-tight joint between the collar and well casing.

2,082,174
REENFORCED PIPE SHIELD
Stuart P. Miller, Englewood, N. J., and Leslie T. Sutherland, Yonkers, N. Y., assignors to The Barrett Company, New York, N. Y., a corporation of New York
Application April 26, 1933, Serial No. 667,976
6 Claims. (Cl. 154—2)

1. The method of protecting pipe lines which comprises coating the external surface of the pipe with a waterproofing composition and thereafter covering the coated pipe with a flexible, substantially impervious shield consisting of a fibrous base impregnated with a resin imparting a hard, tough surface to the shield, and a



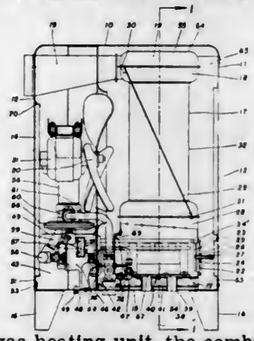
backing secured to the impregnated fibrous base, said hard, tough surface being imparted to the shield prior to application of the shield to the pipe.

2,082,175
PIPE SHIELD
Leslie T. Sutherland, Yonkers, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application April 26, 1933, Serial No. 667,993
14 Claims. (Cl. 154—2)



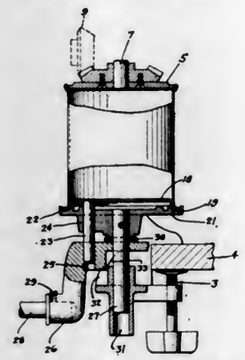
1. The method of protecting pipe lines which comprises wrapping the pipe line with a substantially impervious shield composed of a fibrous base impregnated with a resin imparting a hard, tough surface to the base, the hard, tough surface being imparted to said shield prior to its application to the pipe.

2,082,176
GAS HEATING UNIT
Robert G. Miner, La Crosse, Wis.
Application November 20, 1935, Serial No. 50,735
3 Claims. (Cl. 126—110)



1. In a gas heating unit, the combination of a casing having an air inlet and outlet, a heat exchanger comprising upper and lower headers connected by tubes, said tubes being flattened to form horizontal parallel lines of air travel from said inlet to outlet and forming vertical parallel lines of combustion gas travel, said upper header having an outlet for combustion gases and said lower header having a gas burner mounted therein and an inlet for air, said exchanger and casing being arranged to form air flow spaces between said exchanger and said casing, a fan mounted within said casing and directly behind said exchanger and adapted to direct a current of air simultaneously through the first named lines of air travel and through the air flow spaces, and inclined baffles in the air flow spaces between the sides of said heat exchanger and the casing, spaced from the casing and adapted to force a portion of the air from the fan downward along the sides of the lower header, and to direct another portion thereof through such air spaces in contact with the inner surfaces of the side walls of the casing to dissipate heat therefrom.

2,082,177
REFLANGING ATTACHMENT FOR CAN SEALERS
Carl Nelson, Eau Claire, Wis., assignor to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin
Application July 8, 1935, Serial No. 30,346
1 Claim. (Cl. 113—1)



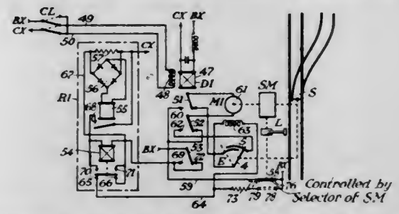
The combination with a can sealer comprising upper and lower chuck plates between which the can is supported, an arm supporting the lower chuck plate, and said lower chuck plate and arm having alined apertures therein, of a reflanging attachment comprising a reflanging plate having an outwardly flared marginal edge against which the edge of the open end of the can body is pressed to outwardly flare it to provide a flange for supporting the can closure, and said reflanging plate having a pin fixed thereto adapted to be received in the alined apertures in the lower chuck plate and said arm, thereby to lock the reflanging plate, lower chuck plate, and said arm together for movement as a unit, and whereby the reflanging plate is positively held against rotation, when the upper chuck plate is actuated to rotate the can.

2,082,178
LIGHT SENSITIVE DERIVATIVES OF VAT DYESTUFFS AND A PROCESS OF PREPARING THEM
Paul Ochwat, Frankfort-on-the-Main-Hochst, and Bruno Wendt, Dessau, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application January 6, 1933, Serial No. 650,590. In Germany January 11, 1932
10 Claims. (Cl. 260—53)

1. The process which comprises mixing the sodium salt of the sulfuric acid ester of leuco 4.4'-dimethyl-5.7.6'-trichlorothioindigo with the sodium salt of N-nitroso-phenyl-hydroxylamine in the presence of water and glycerol.

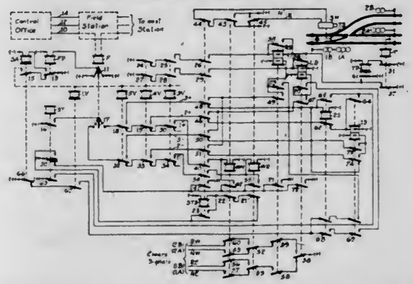
2,082,179
RAILWAY TRAFFIC CONTROLLING APPARATUS
Bernard E. O'Hagan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 6, 1935, Serial No. 39,461
9 Claims. (Cl. 246—242)

1. In railway switch operating apparatus including a switch machine adaptable of operation by both a motor and a hand lever and provided with a selector for rendering either the motor or the hand lever effective, the combination comprising an overload circuit breaker including a normally closed contact interposed in the motor operating circuit, another circuit controlling contact operatively connected with the selector for



movement thereby, and an auxiliary circuit including said other contact for energizing the circuit breaker with an overload current when the selector is set for hand operation of the switch machine.

2,082,180
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Winfred T. Powell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 14, 1934, Serial No. 711,175
23 Claims. (Cl. 246—3)

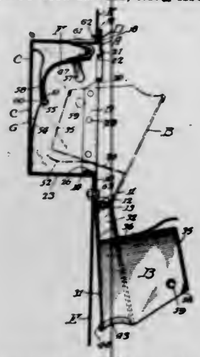


1. In combination, a track switch, signals for governing traffic over said track switch, clearing circuits for said signals, a line circuit having a series of coded impulses successively transmitted thereover, means for storing an initial code of said series and concomitantly therewith effecting selection of one of said clearing circuits, means responsive to a second code of said series for energizing said selected clearing circuit, and means responsive to a third code of said series for confirming said selection.

2,082,181
ASH RECEIVER
Charles A. Pressnall, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application June 13, 1936, Serial No. 85,071
9 Claims. (Cl. 206—19.5)

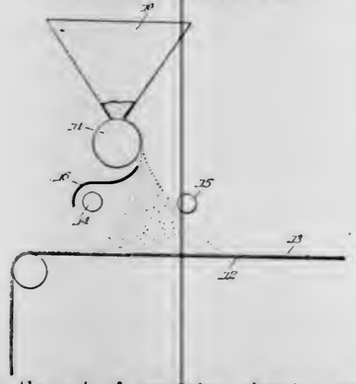
1. In an ash receiver, a supporting member having a large opening, an ash receptacle mounted on said member to swing between an ash receiving position in the opening of the member and a substantially inverted discharge position, a latch mounted on said supporting member for holding the receptacle in receiving position, said receptacle being provided with a cooperating ash receiving tray plate mounted to move with respect to the supporting member and the receptacle to discharge the contents of the tray plate into

the ash receptacle and movable further to engage and release the latch, and means to yieldably



restrain the receptacle short of discharge position.

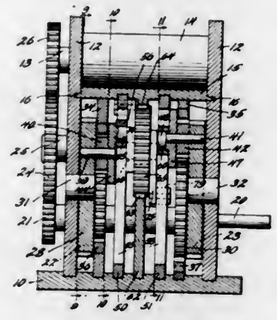
2,082,182
MANUFACTURE OF ABRASIVE ARTICLES
Elmer C. Schacht, Troy, N. Y., assignor, by mesne assignments, to Behr-Manning Corporation, a corporation of Massachusetts
Application November 20, 1931, Serial No. 576,414
4 Claims. (Cl. 91—68)



3. In the art of preparing abrasive articles, wherein abrasive particles are deposited upon the adhesive surface of a backing, the steps which comprise continuously feeding the particles as individually separated bodies to and through an electrical field in which the electrodes creating the same are disposed entirely at one side of the carrier whereby the particles must pass through the field in their travel to the carrier, and passing the particles from the field to a continuously moving backing having an adhesive surface in a direction constituting an alteration of the action of the gravitational force due to the mutual repulsiveness of the particles and to the lines of force created by said field whereby the particles are applied to the adhesively coated backing in dispersed relation.

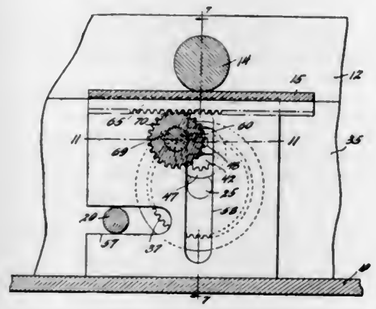
2,082,183
BED MOTION
Frederick W. Seybold, Westfield, N. J., assignor, by mesne assignments, to American Type Founders Company, Elizabeth, N. J., a corporation of New Jersey
Application September 21, 1935, Serial No. 41,607
25 Claims. (Cl. 74—27)

1. A bed movement of the type in which the bed during its working and return stroke is reciprocated in a plane, comprising the combination with the bed and means for supporting the same for planar movement, of a plurality of movable driving elements, means for moving said elements respectively, without retracement along dissimilar cyclic paths while maintaining constant phase relationship therebetween, and means



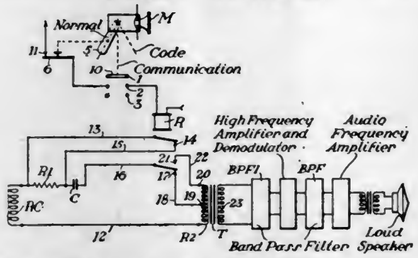
maintaining a constant operative connection between said elements and the bed, said means receiving motion from both of said elements and transmitting to the bed a motion which is the resultant of the motions of said elements, whereby the bed is caused to move at substantially constant speed during the major portion of its movement in one direction.

2,082,184
BED MOTION
Frederick W. Seybold, Westfield, N. J., assignor, by mesne assignments, to American Type Founders Company, Elizabeth, N. J., a corporation of New Jersey
Application October 24, 1935, Serial No. 46,608
14 Claims. (Cl. 74—27)



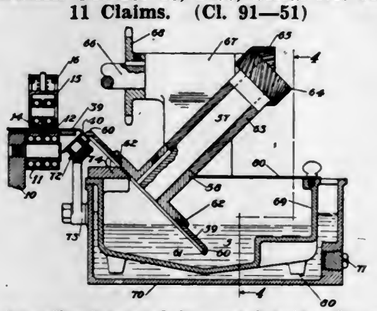
1. A bed movement comprising a bed having a complex harmonic rectilinear motion, approximately one-third of the cycle of which is at uniform velocity, said motion being the resultant of three simple harmonic motions of such characteristics as to produce said uniform velocity portion in said resultant, driving mechanism for said bed comprising two trains of gearing, each of said trains yielding a motion the orbit of which has the form of a prolate hypotrochoid, and means for compounding these motions and for imparting the resultant to the reciprocating bed.

2,082,185
RECEIVING APPARATUS FOR COMMUNICATION SYSTEMS FOR RAILWAY TRAINS
Andrew J. Sorensen, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 5, 1934, Serial No. 724,132
1 Claim. (Cl. 179—82)



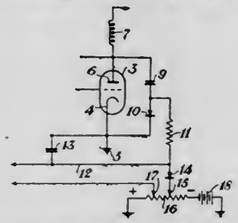
In a railway train signal receiving equipment consisting of an amplifier-demodulator and a loud-speaker for reception of modulated carrier current the combination comprising an air core type receiving coil mounted on a train, a train-carried relay, a resistor, a capacitance, a winding, means for connecting a portion of the winding and the capacitance across the terminals of the receiving coil including a first back contact of the relay shunting around the resistor and a second back contact interposed between the capacitance and the winding for picking up a code message consisting of impulses of the carrier modulated at a given single frequency; other means for connecting a different portion of the winding, the capacitance and the resistor across the terminals of the receiving coil including a front contact of the relay for picking up a telephone message consisting of the carrier modulated at voice frequencies; a circuit for energizing said relay including a manually operated contact, and means for coupling said winding with the input circuit of the amplifier.

2,082,186
ADHESIVE APPLYING MECHANISM FOR PAPER PACKAGE MAKING MACHINES
Edwin G. Staude, Minneapolis, Minn.
Application October 30, 1933, Serial No. 695,783
11 Claims. (Cl. 91—51)



1. An adhesive applying mechanism for paper package making machines, including means for feeding material, an adhesive reservoir located below the feeding plane, and a single rotative means dipping into adhesive in the reservoir and having two adhesive-applying surfaces adapted to be alternatively engaged respectively by opposite sides of the material, and means for guiding the material to obtain such alternative engagements.

2,082,187
RADIO RECEIVING APPARATUS
Sydney Arthur Stevens, London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 24, 1933, Serial No. 699,529
In Great Britain January 4, 1933
3 Claims. (Cl. 250—20)



1. Radio receiving apparatus comprising a radio frequency by-pass condenser, a rectifier preferably of the dry surface contact type connected in series with said condenser across the output terminals of the detector of the apparatus for causing a potential drop across the rectifier which is substantially proportional to the amplitude of the carrier wave, a voltage divider energized from a source of unidirectional current, a connection from the junction between said condenser and said rectifier to a point on said voltage divider, a second rectifier included in said connection and poled in such a direction as to permit current to flow into said divider, and means for impressing the potential drop existing across said second rectifier together with a potential drop from across a portion of said voltage divider on an electrode of a thermionic valve of the apparatus so as automatically to control the volume of the output thereof.

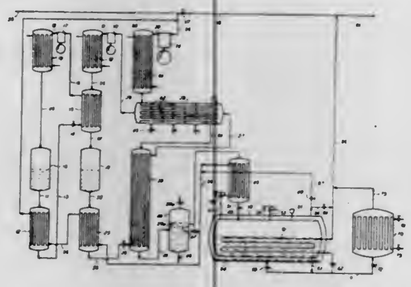
2,082,188
MOTH-PROOFING DETERGENT COMPOSITION
Hermann Stötter, Leverkusen, and Theodor Hermann, Leverkusen-Wiesdorf, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 6, 1931, Serial No. 535,564. In Germany May 30, 1930
3 Claims. (Cl. 87—5)

3. A mothproofing detergent composition consisting essentially of a neutral soapy washing agent in preponderating proportion, and a water-soluble mothproofing agent having an affinity for wool selected from the group consisting of salts of organic quaternary phosphonium bases, aromatic hydroxy-carboxylic acids, the halogen-substituted products of the latter, aryl sulfamides and derivatives thereof in which hydrogen atoms connected to the nitrogen atom of the amino group are replaced by aryl or alkyl radicals, said composition being at the most only slightly colored in the dry state, being soluble in water, and being adapted for simultaneously cleaning and rendering mothproof wool, feathers, hair and like materials.

2,082,189
METHOD OF LIQUEFYING AND STORING FUEL GASES
Lee S. Twomey, Vista, Calif.
Application May 9, 1934, Serial No. 724,693
6 Claims. (Cl. 62—175)

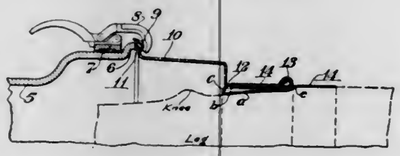
3. In a liquefaction of fuel gas involving the evaporation of a stream of liquefied refrigerant

and the subsequent passage of said liquefied gas into a vessel, the step of utilizing cold gases



evolved in said vessel in cooling said refrigerant prior to the evaporation of said refrigerant in liquefying said gas.

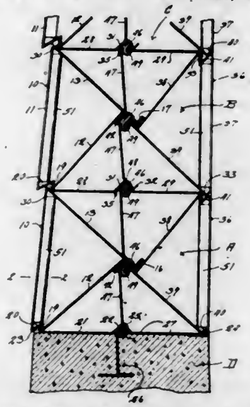
2,082,190
COMBINED TREATMENT CHAMBER AND CUFF
William H. Vogt, Rochester, and Richard F. Roda, Pittsford, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application February 15, 1936, Serial No. 64,132
4 Claims. (Cl. 128—297)



1. In combination, a treatment boot, a collar having a large end detachably connected to the open end of said boot in sealed relation therewith, and having a reduced portion of approximately the diameter of a part of an extremity to be positioned therein, said reduced portion having an outwardly flaring edge, and a flexible impervious cuff telescopically engaging the reduced end portion of said collar in air-tight relation therewith, said cuff being of sufficient length to permit folding upon itself and yet permit its extension beyond said collar.

2,082,191
BUILDING CONSTRUCTION
Frank C. Watson, Chester, Pa.
Application November 12, 1935, Serial No. 49,388
12 Claims. (Cl. 189—34)

1. A hollow sheet metal building unit formed of sheet metal elongated sections, the sections being combined to define an element approximately rectangular in cross-section having two walls approximately parallel to each other and two walls approximately at right angles to the first-named walls, braces extending diagonally inward and centrally from the opposite ends of the first named walls, and braces connecting the middles of the second named walls with the inner ends of the angular braces of the first named walls, each of said last named braces having an open helically coiled bead at one end and at the other a foot, and nails connecting said braces together at the center of the unit, the extremi-



ties of the nails extending into the bead of one of said braces and being clenched thereby.

2,082,192
ACID WOOL DYESTUFFS OF THE ANTHRAQUINONE SERIES
Klaus Weinand, Leverkusen-I. G. Werk, and Curt Bamberger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 7, 1936, Serial No. 67,732. In Germany March 15, 1935
4 Claims. (Cl. 260—60)

1. 1-amino-4-arylaminoanthraquinone-2-sulfonic acids wherein the aryl group is of the benzene series and contains two substituents selected from the group consisting of the class of acetylamino, carbonamide- and nitrile groups.

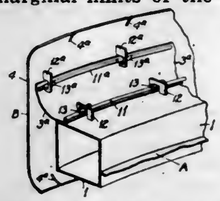
2,082,193
TREATMENT OF MASONRY WALL SURFACES
Walter F. Wells, Detroit, Mich., assignor of one-half to William Grund, Detroit, Mich.
No Drawing. Application January 13, 1934, Serial No. 706,557
5 Claims. (Cl. 91—68)

2. The method of providing a waterproof protective covering for porous masonry surfaces which comprises applying to the surface a filling and a hardening composition including cement and pulverized oxidizable metal as ingredients, forcing the composition into the pores of the masonry surface to fill the same, allowing the composition to partially harden, removing substantially all of the surplus composition, maintaining the composition in a dampened state to hasten the oxidation of the metal, and applying a coating of penetrating waterproof wax composition to the outer surface of said first mentioned composition when the metal therein begins to oxidize to prevent further oxidation thereof and render the covering for the masonry surface impervious to moisture.

2,082,194
SEAL FOR FLOATING TANK ROOFS
John H. Wiggins, Tulsa, Okla.
Application April 12, 1934, Serial No. 720,158
6 Claims. (Cl. 220—26)

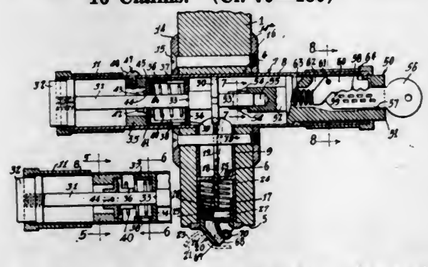
1. The combination of a floating tank roof, an annular seal shoe surrounding said roof and

adapted to contact the side wall of the tank, and hanger structures on said roof that sustain said shoe, each of said hanger structures consisting of a self-contained or assembled unit made up of a vertically-disposed standard arranged entirely within the marginal limits of the floating roof,



a rockable hanger pivotally connected to the upper end of said standard at a point within the peripheral edge of said floating roof, and a spring combined with said hanger and support for maintaining the shoe in substantially concentric relation with the roof.

2,082,195
LOCK
Lewis E. Williams, Long Beach, Calif.
Application May 3, 1935, Serial No. 19,683
16 Claims. (Cl. 70—150)



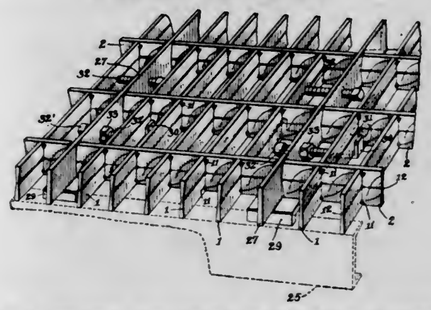
1. In a door lock, the combination of a casing mounted on the door, a bolt guided to slide in the plane of the door and within the casing to cooperate with a keeper attached to the door jamb, a spring back of the bolt to urge the bolt into the keeper when the door is closed, said bolt having a construction enabling the keeper in the opening movement of the door, to withdraw the bolt from the keeper, a stop associated with the bolt, normally located in line with the bolt to prevent its withdrawal, and mounted to slide transversely through the plane of the door, movable means at the exterior of the door for moving the stop to permit withdrawal of the bolt, and means controlled by a key on the exterior of the door for locking the movable stop in a position to prevent the withdrawal of the bolt.

2,082,196
SHOE LAST
Edgar G. Worthington, St. Louis County, Mo., assignor to International Shoe Company, St. Louis, Mo., a corporation of Delaware
Application December 6, 1934, Serial No. 756,239
1 Claim. (Cl. 12—133)



A shoe last and a template, the template being formed of hard material, and being of a size to cover substantially all the bottom of the last, but the edge of said template being spaced inwardly from the last edge all around the last a distance equal to the amount of inturn of the shoe upper as it is formed on said last, and defining an abutment against which the inturn of said upper may be forced.

2,082,197
GRATING
Walter A. Bates, Gary, Ind., assignor to Beulah H. Bates, Gary, Ind.
Application March 25, 1933, Serial No. 662,707
13 Claims. (Cl. 189—82)



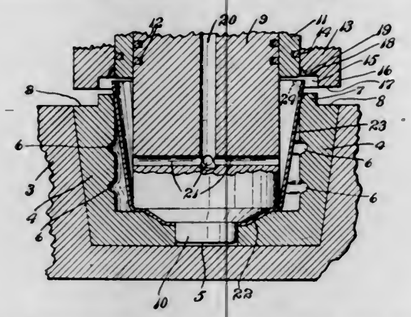
1. A grating comprising a plurality of main bars and cross bars, said cross bars having openings between their marginal edges to receive the main bars, said main bars having notches in their marginal edges to receive the marginal portions of the cross bars, said cross bars being slitted between the openings therein to provide intermediate members extending substantially longitudinally of the cross bars and connected at the opposite ends thereof to other members defined by the slits and disposed adjacent the opposite marginal edges of the cross bars, movement of the longitudinal edges of said cross bars throughout their length away from each other so positioning the intermediate members that they extend substantially transversely of said cross bars whereby the said other members are moved from their normal position and openings in said cross bars are enlarged and the main bars may be passed therethrough, compression of the longitudinal edges of the cross bars throughout their length toward each other after the main bars are passed through the enlarged openings moving said intermediate members back into positions wherein they extend substantially longitudinally of said cross bars and disposing the marginal portions of said cross bars in the notches in the edges of the main bars.

2,082,198
METHOD OF PRODUCING ANIMAL FEED
Erwin Baur, deceased, late of Muncheberg/Mark, Germany, by Elisabeth Baur, geb. Venedey, administratrix, Muncheberg/Mark, Germany, assignor to Saatgut-Erzeugungs-Geselischaft m. b. H., Berlin, Germany
No Drawing. Application April 9, 1934, Serial No. 719,742. In Germany December 17, 1932
3 Claims. (Cl. 99—2)

1. The process of producing a high grade animal feed rich in soluble proteins and carbohydrates and substantially free of alkaloids, which comprises breaking up a mass of lupine seeds having an oil content of substantially not less than 16% and having an alkaloid content of not substantially more than 0.03% and extracting the oil from said broken up seeds while retaining the

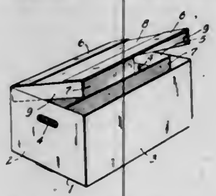
water soluble proteins and carbohydrates intact in said residue whereby said residue retains said soluble proteins and carbohydrates and is substantially free of alkaloids.

2,082,199
FORMING BRAKE DRUMS
Charles W. Dake, Grand Haven, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan
Application March 16, 1936, Serial No. 69,020
7 Claims. (Cl. 29—152.2)



1. The method of making brake drums which consists, in pressing a flat plate of sheet metal into substantially cylindrical form with one end of the cylinder substantially closed by a back, and the opposite end of the cylinder having an inwardly turned annular flange, dividing the cylindrical member between its ends, and attaching a back to the said flange, whereby two completed brake drums are made.

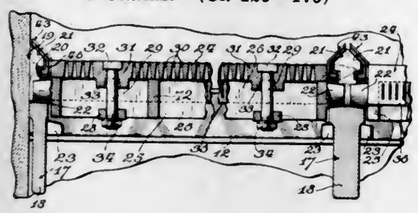
2,082,200
CONTAINER
Clifford D. Fallert, St. Louis, Mo., assignor to Robert Gaylord, Inc., St. Louis, Mo., a corporation of Missouri
Application May 25, 1936, Serial No. 81,562
5 Claims. (Cl. 229—52)



1. A shipping container having two opposite walls provided with hand holes and upper marginal flaps that are folded downwardly alongside of said walls, and a closure member for said container having depending end flaps disposed alongside of the upper marginal flaps of said walls, the flaps of said walls and said closure member being disposed with their lower edges substantially flush with the upper edges of said hand holes.

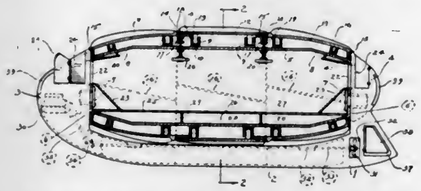
5. A shipping container comprising end and side walls, said end walls being provided with downturned upper marginal flaps, and a closure member for said container having depending end flaps disposed alongside of the downturned upper marginal flaps of said end walls, said side walls being provided with upper marginal flaps that are secured flatwise to the adjacent side marginal portions of said closure member, said container being adapted to be opened by severing the upper side marginal flap from either of said side walls, whereby the upper side marginal flap of the other side wall serves as a supporting hinge for said closure member and the severed flap serves to reinforce and stiffen the free margin of said closure member.

2,082,201
FURNACE GRATE
Roy W. Foster, Ottawa, Ill., assignor to Knowles Foundry and Machine Company, Ottawa, Ill., a corporation of Illinois
Application January 24, 1936, Serial No. 60,593
9 Claims. (Cl. 126—176)



4. A furnace grate structure comprising a plurality of hangers, grate members pivotally mounted on said hangers, said hangers having at their upper ends, inwardly and downwardly inclined surfaces, and end bars engaging said surfaces and said grate members and capable of moving on said hangers in accordance with the contraction and expansion of the grate member.

2,082,202
BOAT
Samuel Frankfurt, Cleveland, Ohio
Application September 26, 1936, Serial No. 102,759
2 Claims. (Cl. 9—4)

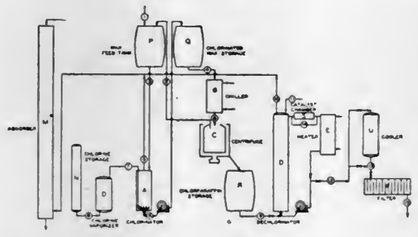


1. A boat comprising a hull, a body secured therein, said body being of circular cross-section, rollers mounted on the outer wall of said body in circular series, and independently freely rotatable shell sections mounted on said rollers, and means for locking said sections together independently of said body.

2,082,203
METHOD OF MAKING HIGH VISCOSITY INDEX LUBRICATING OILS
Elmslie W. Gardiner, John W. Greene, and Arthur L. Lyman, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 11, 1934, Serial No. 730,064
9 Claims. (Cl. 196—78)

1. A process of producing a high viscosity index lubricating oil which comprises chlorinating straight chain paraffine hydrocarbons to a chlorine content of between 10 and 25% on a hydrocarbon-free basis, removing unchlorinated hydrocarbons, dechlorinating the chlorinated hydrocarbons in the presence of a dechlorinating catalyst selected from the group consisting of fuller's earths and the montmorillonite clays, at elevated temperatures, and separating the catalyst from the dechlorinated hydrocarbon oil.

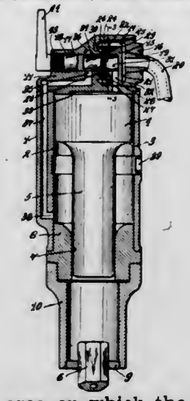
2,082,204
METHOD OF MAKING HIGH VISCOSITY INDEX LUBRICATING OILS
Elmslie W. Gardiner, Berkeley, John W. Greene, Richmond, and Arthur L. Lyman, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Original application June 11, 1934, Serial No. 730,064. Divided and this application March 11, 1935, Serial No. 10,478
11 Claims. (Cl. 196—78)



1. The process of producing a liquid olefinic hydrocarbon oil consisting of mono-olefines in major part and possessing a regulable viscosity and a viscosity index of above 105, comprising passing chlorine gas into a straight chain paraffine wax at a temperature above its melting point but not above about 250° F., to produce chlorparaffines containing not above about 25% chlorine on a hydrocarbon-free basis, cooling the mixture containing unchlorinated wax hydrocarbons and produced chlorparaffines to a temperature below the crystallizing temperature of the unchlorinated wax hydrocarbons, removing the crystallized unchlorinated wax hydrocarbons, completely dechlorinating the chlorparaffines and simultaneously partially polymerizing the resulting straight chain olefinic hydrocarbons by heating the chlorparaffines in the presence of two catalysts, one of which is a dechlorinating and polymerizing catalyst and is selected from the group consisting of metallic aluminum and aluminum amalgam and the other of which is a dechlorinating and non-polymerizing catalyst and is selected from the group consisting of fuller's earth and montmorillonite clay, and separating the said catalysts from the produced entirely dechlorinated entirely olefinic and largely mono-olefinic high viscosity index hydrocarbon oil.

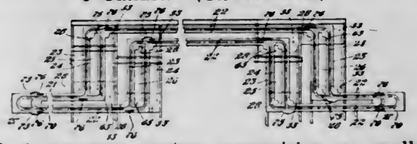
2,082,205
PRESSURE FLUID MOTOR
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 1, 1934, Serial No. 751,009
4 Claims. (Cl. 121—12)

1. In a pressure fluid motor, a cylinder having a piston reciprocable therein, and fluid distribution means for effecting reciprocation of said piston including a fluid actuated distributing valve, means for subjecting an area on said valve to a throwing pressure, and means for changing



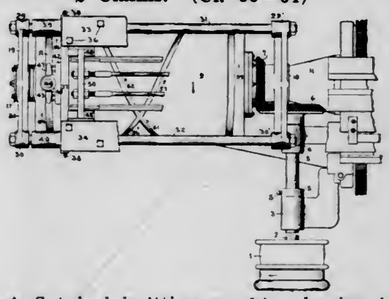
said effective area on which the throwing pressure acts to alter the time of valve throw.

2,082,206
CONVEYER SYSTEM
Chester S. Jennings, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application December 29, 1933, Serial No. 704,448
9 Claims. (Cl. 198—138)



9. A conveyer system comprising an endless main chain having horizontal runs, an upward run and a downward run, a plurality of cars fixed to said chains at predetermined intervals, mechanism for engaging and maintaining the cars horizontal while turning the corners, and a plurality of auxiliary chains one adjacent the upward run and the other adjacent the downward run for engaging the cars and maintaining them horizontal during their upward and downward travel.

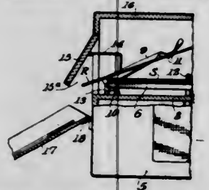
2,082,207
DRIVE FOR KNITTING MACHINES
John Lawson, Bristol, and Robert H. Lawson, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application December 24, 1932, Serial No. 648,818
2 Claims. (Cl. 66—64)



2. A flat bed knitting machine having independent needles and reciprocatory cams for ef-

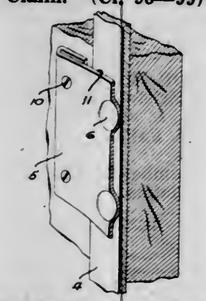
fecting the knitting of fabric, means for effecting such reciprocations and including a rotary drum having cam paths that cross at three points only, the construction of the drum being such as to cause the greater portion of the traverse to be effected during one complete revolution of the drum and to cause the reciprocating parts to move at such a greatly reduced reciprocating speed during the following complete rotation of the drum that the employment of means to reduce the shock at the end of each reciprocatory movement is avoided.

2,082,208
PHONOGRAPH
Meyer Lehman, New York, N. Y.
Application April 13, 1935, Serial No. 16,142
5 Claims. (Cl. 274—10)



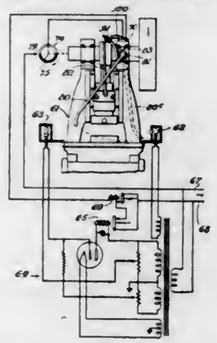
2. A multi-disc record phonograph having means to eject the played topmost record of a stack of records carried by the phonograph turntable, said phonograph being adapted to be completely enclosed when played and comprising a casing forming said enclosure, a vertically swingable flap forming part of one wall of said casing, a record receiving member carried by and without the casing adjacent the lower edge of said flap, and means operable by the record ejecting means, upon ejection of a record, for swinging said flap from its normally closed position to provide passage space for the ejected record to slide into said record receiving member.

2,082,209
WINDOW BAFFLE
Emory John Mason, Toronto, Ontario, Canada
Application December 17, 1934, Serial No. 757,779
1 Claim. (Cl. 98—99)



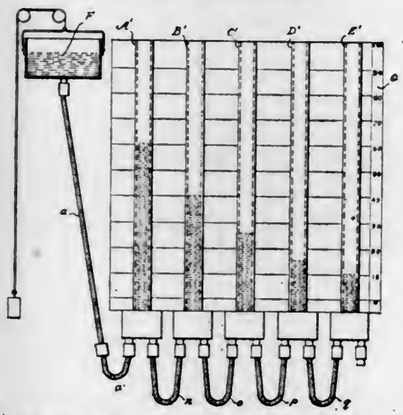
Supporting means for a window baffle which comprises a clip formed of slightly resilient material having a long and a short side and forming a slot therebetween, means for securing said short side to a window frame, convex protuberances formed on the inwardly facing surface of said long side and forming a part thereof, said protuberances normally contacting and pressing against the window frame to permit the entrance of a window baffle into said slot and, when in place, gripping said baffle to maintain it in a fixed position.

2,082,210
SAFETY DEVICE
Archie J. McMaster, Highland Park, Ill., assignor to G—M Laboratories, Inc., Chicago, Ill.
Application December 10, 1932, Serial No. 646,629
9 Claims. (Cl. 74—615)



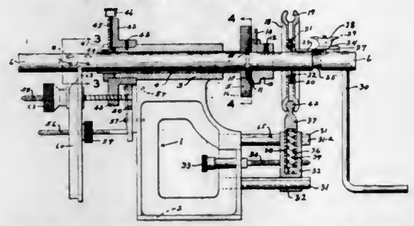
9. In combination in a safety device for a punch press or the like, a movable guard member operable to move away from a rest position to pass between a danger zone of the machine and an operator thereof, means to operate said guard, means normally retaining said guard member in said rest position, and control means including a light sensitive cell for controlling the actuation of said guard member.

2,082,211
CALCULATING MACHINE
Arthur D. Moore, Ann Arbor, Mich.
Application October 11, 1935, Serial No. 44,505
14 Claims. (Cl. 235—61)



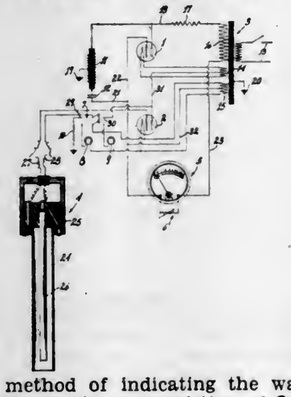
3. A device of the character described for calculating the transient thermal characteristics of a medium when it is subjected to predetermined temperature conditions, said device comprising a plurality of interconnected fluid storage elements simulating the respective thermal capacities of predetermined sections of said medium, resistor means associated with the connections between said elements calibrated in accordance with the conductivity of the medium in said sections, a fluid supply having its head variable in accordance with the temperature to which said medium is subjected, and means for indicating the fluid levels in the respective storage elements.

2,082,212
OIL GROOVE CUTTING DEVICE
Clair A. Nickles, Ponca City, Okla.
Application August 25, 1934, Serial No. 741,449
7 Claims. (Cl. 90—24.3)



1. In groove cutting apparatus for bearings, the combination with a groove cutting element carried by a rotatable detenture, of a centering means for a bearing including: a rigidly positioned member having a face perpendicular to the axis of the detenture and against which the bearing may be placed when in a position to be grooved, and a removable bearing centering element carried rigidly by the member for receiving thereover the bearing to be grooved.

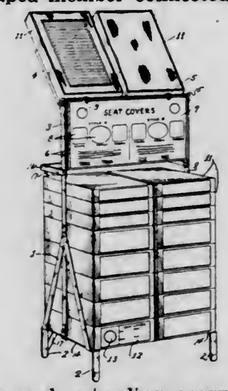
2,082,213
WATER CONTENT INDICATOR FOR LIQUID MIXTURES
James Lloyd O'Donnell, Long Beach, Calif.
Application August 20, 1934, Serial No. 740,666
8 Claims. (Cl. 175—183)



1. The method of indicating the water content in liquid mixtures, consisting of first measuring the flow of current between electrodes immersed in the liquid with a small voltage imposed upon the electrodes, and then again measuring the current passing between the electrodes with a higher voltage imposed upon said electrodes, the first voltage being insufficient to cause disassociation of the water and the second voltage being sufficient to cause disassociation of the water.

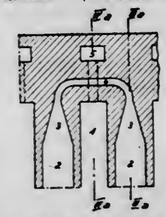
2,082,214
SEAT COVER DISPLAY STAND
Joseph W. Osten, Chicago, Ill.
Application October 28, 1935, Serial No. 47,009
3 Claims. (Cl. 211—71)

1. A stand providing three sides and a base for storing merchandise, said stand comprising a base, a pair of transversely spaced members secured to and extending upwardly from said base, a cross-bar connecting the upper ends of said pair of members, inclined members connecting said base and said pair of members, a substantially U-shaped member connected to said pair



of members and extending rearwardly therefrom, and other inclined members connecting said U-shaped member to said base.

2,082,215
REGENERATIVE COKE OVEN
Carl Otto, Essen, Germany
Application January 20, 1934, Serial No. 707,485
In Germany October 6, 1933
10 Claims. (Cl. 202—141)

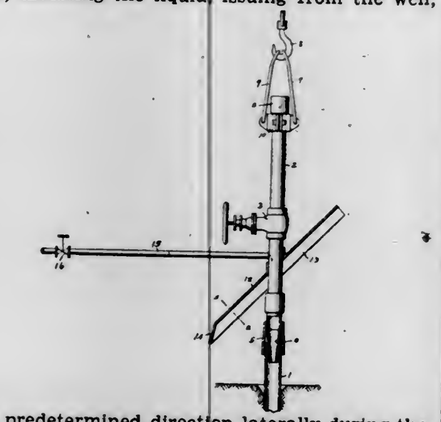


1. An oven for producing gas and coke comprising alternate coking chambers and heating walls arranged side by side, vertical heating flues in each heating wall arranged side by side in a row extending longitudinally of said wall, and channels communicably connecting the upper ends of flues in each heating wall to the upper ends of flues in another heating wall, each of said channels being of inverted U-shape and comprising one leg portion extending upward from and communicating at its lower end with a flue or flues in one heating wall, a second leg portion extending upward from and communicating at its lower end with a flue or flues in another heating wall, and a portion intermediate the upper ends of said leg portions, and each of said channels forming a single Venturi tube form flow path having end portions tapering in cross section along their lengths and formed by the corresponding leg portions, each of the latter diminishing in cross section from its lower end to its connection with said intermediate portion, and having a throat portion formed by the said intermediate portion of the channel and of a cross section not greater than the minimum cross section of each corresponding leg portion.

2,082,216
FIRE EXTINGUISHING APPARATUS AND METHOD
Hugh L. Patton, Houston, Tex.
Application August 27, 1936, Serial No. 98,196
11 Claims. (Cl. 166—15)

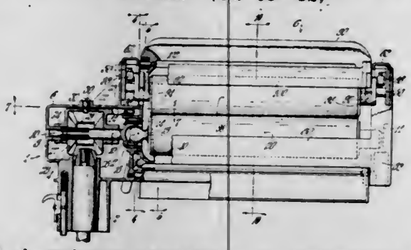
6. The method of controlling a well from which fluid is flowing under pressure comprising

lowering a tubular conducting member over the well, diverting the liquid issuing from the well,



in a predetermined direction laterally during the lowering operation, fastening said member to the top of the well to form an extension thereof.

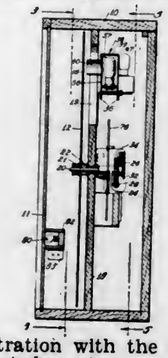
2,082,217
WRINGER
Julian L. Perkins, West Springfield, Mass., assignor to Perkins Machine & Gear Company, West Springfield, Mass., a corporation of Massachusetts
Application October 22, 1934, Serial No. 749,378
7 Claims. (Cl. 68—32)



1. A wringer comprising in combination, a support, a pair of coacting rolls, a pair of cover members pivoted to said support for swinging movements between positions at the sides of the rolls and extended positions below one of said rolls, a pair of guard plates extending along the other of said rolls, pivotal connections between said plates and said support whereby the longitudinal edges of said plates may overlie the edges of said cover members when in position at the sides of the rolls or be disposed adjacent the sides of said roll when the cover members are away therefrom.

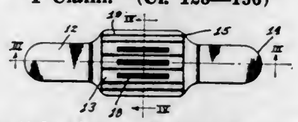
2,082,218
TARGET MECHANISM
Bruno Radtke and Earl Gosswiller, Chicago, Ill., assignors to Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application November 20, 1936, Serial No. 111,836
7 Claims. (Cl. 124—15)

1. In an electric shooting gallery, a movable target member having a target character with a light-penetrable area, a movable photo-sensitive device behind said target member and movable in a path directed at an angle relative to the path of the said light-penetrable area, and means for moving said movable target member and said photo-sensitive device in timed relation so as to position the photo-sensitive device in



operative registration with the light-penetrable area of the target character.

2,082,219
SURGICAL DRESSING
William M. Scholl, Chicago, Ill.
Application August 3, 1934, Serial No. 738,187
1 Claim. (Cl. 128—156)



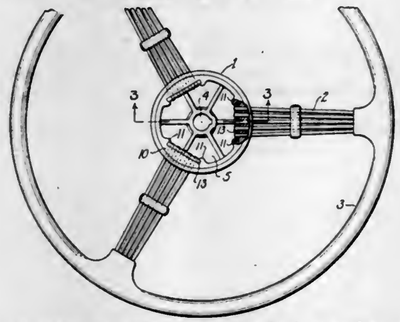
As an article of manufacture, a surgical dressing comprising an elongated strip of material having an adhesived undersurface and rounded ends, said strip having pressed ribs therein transversely spaced and running longitudinally of the strip to add to the flexibility of the dressing especially when the dressing is applied over a joint, said strip also having spaced slots extending longitudinally of the strip between said ribs to further permit flexing of the dressing, and a pad of folded fabric attached to said strip by means of said adhesived undersurface, said pad being folded with the line of fold disposed longitudinally of the strip.

2,082,220
INSULATOR SUPPORTING PIN
Frederick P. Sexton, Lachine, Quebec, Canada
Application October 1, 1934, Serial No. 746,315
3 Claims. (Cl. 173—321)



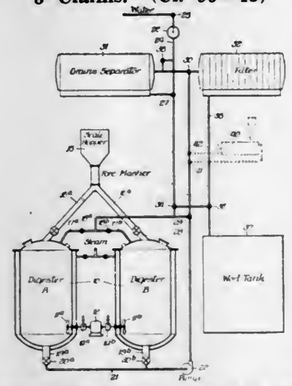
1. An insulator supporting pin provided with a mantle of soft metal shaped to present a starting thread above one or more non-threaded axially extending ribs of soft metal in which a continuation of the lower end of the starting thread is cut by the insulator thread as the insulator is screwed home after being initially engaged with the starting thread.

2,082,221
STEERING WHEEL
Edward W. Sheller, Portland, Ind., assignor to Sheller Manufacturing Corporation, Portland, Ind., a corporation of Indiana
Application April 30, 1936, Serial No. 77,128
3 Claims. (Cl. 74—552)



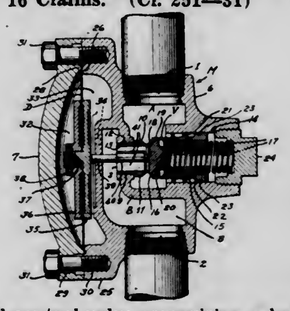
1. A steering wheel having a hub member with a control mount receiving socket in its top and with circumferentially spaced recesses in its side walls, anchoring plates in said recesses, said side wall and plates having spoke receiving openings therein, and spoke wires inserted through said openings and integrally fixed at their inner ends to the plates.

2,082,222
BREWING PROCESS
Frederick P. Siebel, Chicago, Ill.
Application March 22, 1934, Serial No. 716,740
8 Claims. (Cl. 99—43)



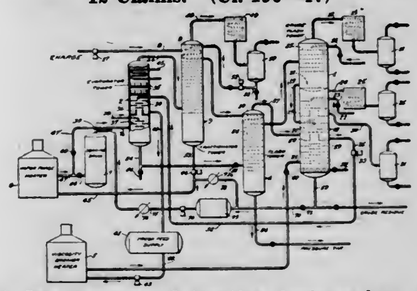
8. A process for brewing wort for malt beverages which comprises reducing the entire malt kernels, inclusive of the germs, husks and acrospire as well as the endosperm, to a very finely ground condition, infusing this finely ground malt in a volume of water adequate to carry all of it in suspension in a diffused state and form a mixture of liquid consistency, heating the mixture to temperatures promotive of activity of the diastatic enzymes, maintaining the mixture in circulation such as to keep the solids diffusely suspended in the liquid until substantially all of the starch present is converted to soluble condition, removing the mixture of solid residue and liquid together from the heating zone, adding a comminuted adsorptive filter-aid material, and clearing the liquid from the solids by filtration.

2,082,223
CONTROL VALVE FOR PRESSURE REGULATING AND REDUCING APPARATUS
George H. Smith, Kenmore, and Wilgot J. Jacobsson, Buffalo, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application January 31, 1933, Serial No. 654,380
16 Claims. (Cl. 251—31)



2. A fluid control valve comprising a body having an inlet and an outlet; a partition within the body having a port connecting the inlet and the outlet; a nozzle secured within the port and having a raised valve seat; a valve head provided with a valve face having a similarly raised sealing surface adapted to contact with the valve seat on the nozzle, said valve head having a convex area on the side opposite the valve face sealing surface; a movable guide member having annular ribs thereon slidable in the valve body, the said member being adapted for guiding said valve head toward and away from the said nozzle; said guide member including a cage whereby the valve head is secured at its outer peripheral margin for a limited rocking adjustment with respect to the valve seat.

2,082,224
PROCESS FOR TREATING HYDROCARBON OIL
Harold R. Snow, Neodesha, Kans., assignor to Standard Oil Company (Indiana), Chicago, Ill., a corporation of Indiana
Application May 3, 1933, Serial No. 669,081
12 Claims. (Cl. 196—47)



1. The process of treating hydrocarbon oils which comprises introducing hot lightly cracked heavy oil into a first vapor separating zone wherein vapors are separated from said oil, introducing a hot cracked tar into a second vapor separating zone wherein vapors are separated, combining, in a third zone, vapors produced in said

vapor separating zones and forming a reflux condensate therefrom, removing uncondensed vapors from said third zone and condensing them, introducing said reflux condensate into a fourth zone, separately introducing hot vapor phase cracked products into said fourth zone in countercurrent contact with said condensate whereby a portion of said condensate is vaporized, removing uncondensed vapors from said fourth zone and forming a final desired product therefrom, and removing liquid residual constituents of said vapor phase cracked products from said fourth zone and utilizing them as a source of said hot cracked tar first mentioned.

2,082,225

METAL COATING

William H. Spowers, Jr., Maplewood, N. J., Sam Tour, New York, N. Y., Thomas A. Wright, Plainfield, and Lewis S. Reid, Upper Montclair, N. J., assignors, by mesne assignments, to William H. Spowers, Jr., New York, N. Y.

No Drawing. Application May 26, 1934, Serial No. 727,734. Renewed October 15, 1936
4 Claims. (Cl. 91—70.2)

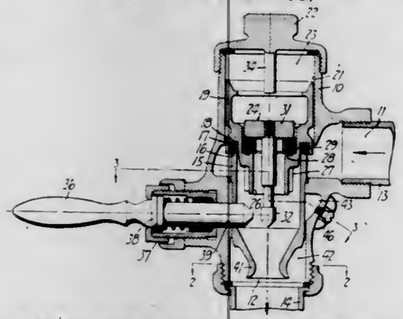
1. Method of galvanizing articles, which comprises maintaining a bath of molten zinc at a temperature above the melting point of zinc, incorporating in the bath an alloy of phosphorus and a carrier metal therefor in such proportions that the phosphorus constitutes from about five-thousandths of one percent to about five-hundredths of one percent of the zinc, and the carrier metal constitutes less than about one percent of the zinc, and coating said articles with said molten bath.

2,082,226

FLUSH VALVE

Sedley S. Stafford, San Francisco, Calif., assignor to Dalmo Sales Corporation, San Francisco, Calif., a corporation of California

Application August 7, 1936, Serial No. 94,787
1 Claim. (Cl. 137—93)



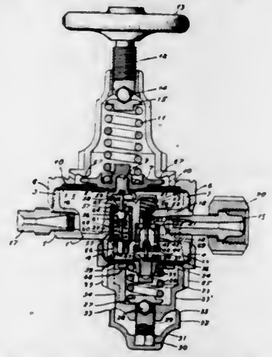
In a flush valve, a valve body having an inlet for connection with a source of water under pressure and also having a downwardly directed outlet for connection with a closet bowl, a sleeve fitted within said body, the upper end of said sleeve forming a valve seat, a movable valve member cooperating with the valve seat, a fluid pressure operated member connected to the valve member, there being a closed space above said fluid operated member forming a pressure chamber having restricted communication with the inflow side of the valve body, a pilot valve member adapted to vent said space, an operating member movably carried by the valve body and serving to operate said pilot valve member, one side wall of said sleeve having an opening in the same to snugly accommodate the operating member, whereby the operating member may reciprocate in a direction substantially at right angles to the axis of the sleeve, a downwardly directed restricted flow nozzle located within the valve body and formed integral with the lower end of said sleeve, there being a space surrounding said nozzle adapted to be evacuated by the aspirating effect of water discharged through the same, said space being vented to the atmosphere at a point above the lower end of the nozzle.

2,082,227

GAS PRESSURE REGULATOR

Ludwig W. Stettner, Oakland, Calif., assignor to Victor Welding Equipment Co., San Francisco, Calif., a corporation of Delaware

Application December 14, 1935, Serial No. 54,440
5 Claims. (Cl. 50—23)



1. In a gas pressure regulator of the spring-controlled diaphragm type, a low pressure chamber with service outlet connection and a high pressure chamber, a separate spring-controlled diaphragm removably clamped in place closing each chamber and each diaphragm provided with a central flange member, a passageway connecting the two chambers fitted with a spring-closed stemmed valve controlled by the low pressure chamber diaphragm, and a high pressure gas inlet passageway to the high pressure chamber fitted with a spring-closed stemmed valve controlled by the high pressure chamber diaphragm, the stems of the valves impinging at one end centrally on the flange members of their respective diaphragms and means whereby both of said valves and associated parts may all be independently withdrawn from the high pressure chamber when its diaphragm is removed, both chambers being of round form and the high pressure chamber being smaller and arranged in eccentric relation on the bottom of the larger low pressure chamber.

2,082,228

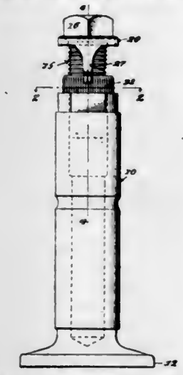
ADJUSTABLE TAPPET

Albert Stoll, Detroit, Mich., assignor to Clare L. Brackett, Detroit, Mich.

Application January 8, 1934, Serial No. 705,815
1 Claim. (Cl. 123—90)

In an adjustable tappet mechanism for internal combustion engines, a pair of cooperating body members having threaded engagement with each other, one of said cooperating members being provided with a series of longitudinally disposed ribs serving as calibrating means, the other of said cooperating members carrying an element

adapted for adjusting, and locking in adjusted relation the said cooperating members, said element comprising a one-piece, cup-shaped, spring clip including a base portion, an annular flange and depending spring fingers relatively wide at the point of connection to the flange, said spring clip being rigidly secured to the associated body member at said base portion thereof with said



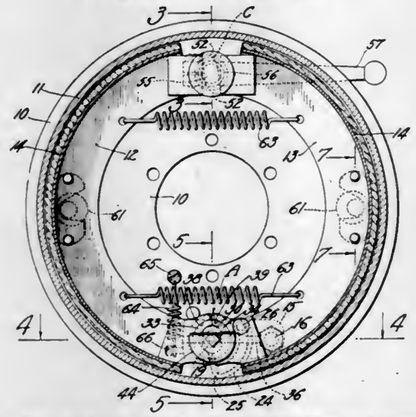
spring fingers in engagement with the longitudinal ribs of the cooperating body member, the said annular flange of the clip serving to stiffen and reinforce said spring fingers to cause the same to effectively engage and grip said ribs under tension in desired adjustment of the cooperating body members, whereby said body members are disposed in locked relation and relative movement thereof is prevented.

2,082,229

VEHICLE BRAKE

George H. Stoner, East Boston, Mass., assignor, by mesne assignments, to Tru-Arc, Inc., Boston, Mass., a corporation of Massachusetts

Application February 7, 1935, Serial No. 5,410
5 Claims. (Cl. 188—79.5)



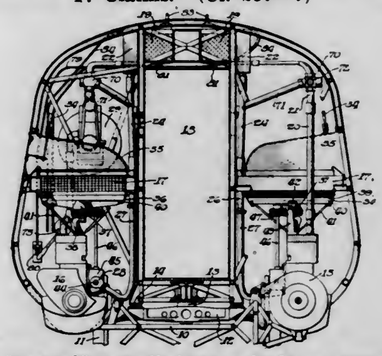
1. In a vehicle brake, in combination, a rotatable brake drum, a backing plate, a pair of brake shoes, and means carried by said backing plate and movable relative thereto for supporting said shoes, said means including a member adapted to be adjustably positioned thereon to change the position of said shoes relative to said drum, bearings interposed between said member and said shoes, and means for slidably guiding said bearings.

2,082,230

ENGINE COOLING AND AIR CONDITIONING SYSTEM FOR SELF-PROPELLED VEHICLES

William B. Stout and Evan H. Wright, Detroit, Mich., assignors to Pullman-Standard Car Manufacturing Company, a corporation of Delaware

Application August 28, 1934, Serial No. 741,792
17 Claims. (Cl. 257—7)



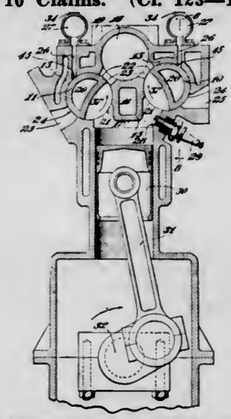
1. In a self-propelled car, a body, a supporting truck adapted to swing with respect to the body, an engine mounted on the truck, a cooling system for the engine including a radiator on the body, flexible water connections between the radiator and the engine, a fan mounted to swing with the engine, and a flexible conduit leading from the radiator to the fan.

2,082,231

INTERNAL COMBUSTION ENGINE

William R. Strickland, Detroit, Mich.

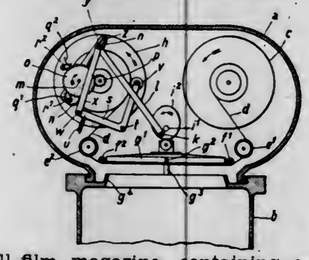
Application September 30, 1935, Serial No. 42,847
10 Claims. (Cl. 123—190)



1. In an internal combustion engine, a cylinder, a conserving chamber, a valve casing extending across said cylinder and a cylindrical valve rotatably mounted in said valve casing, said valve casing having a cylinder port communicating with said cylinder, an inlet port communicating with an intake header, an exhaust port communicating with an exhaust header, and a conserving port communicating with said conserving chamber, and said valve having a passage formed therein arranged to register with said ports to successively provide communication between said cylinder port and said inlet port, between said inlet port and said conserving port,

between said conserving port and said exhaust port, and between said exhaust port and said cylinder port.

2,082,232
ROLL-FILM MAGAZINE
Carl August Traenkle, Jena, Germany, assignor to firm Carl Zeiss, Jena, Germany
Application June 13, 1936, Serial No. 85,110
In Germany June 18, 1935
1 Claim. (Cl. 242—55)

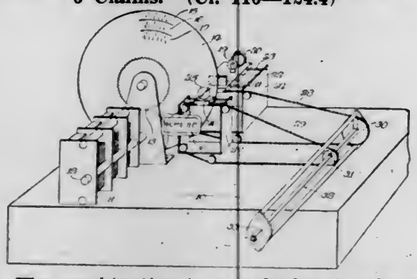


A roll-film magazine, containing a film-dispensing spool adapted to hold an unexposed film, a film-receiving spool adapted to hold an exposed film, a driving shaft, a crank coupled to this shaft, a lever mounted in the wall of the magazine, a rod for interconnecting the crank and the lever, a plate adapted to plane the film to be exposed, and a cam coupled to the film-receiving spool and adapted to operate the said plate in the period of rest of the film supply gear.

2,082,233
MANUFACTURE OF PREPARATIONS HAVING AN ANTI-EMETIC ACTION
Carl Hermann von Hoessle and Richard Müller, Radebeul, near Dresden, Germany, assignors to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany, a corporation of Germany
No Drawing. Application March 8, 1934, Serial No. 714,584. In Germany March 8, 1933
9 Claims. (Cl. 167—68)

1. Preparing a colloid of a sparingly soluble salt of cerium, comprising treating said salt with an alkaline solution of a salt of an aliphatic polybasic oxy-acid.

2,082,234
MEANS FOR PROJECTING TUNING INDICIA
John L. McWeeny, Chicago, Ill.
Application January 16, 1937, Serial No. 120,861
6 Claims. (Cl. 116—124.4)



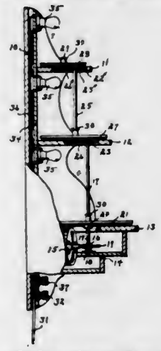
1. The combination in a multi-band radio set, of a light source, focusing lens, projection screen, and a transparent rotatable station designating dial suitably mounted in said radio, the periphery of which is disposed between the light and lens, said dial having a plurality of wave band indicia radially spaced from the periphery thereof, means for moving said light source and lens across desired wave bands on said dial whereby to project different radially spaced indicia upon the screen, and means associated with said moving means for maintaining a focus of the lens on a single point on the screen regardless of the movement of the lens.

2,082,235
PANEL MOUNTING MEANS
Harold B. Warren, Cincinnati, Ohio, assignor to The Randall Company, Cincinnati, Ohio, a Corporation of Ohio
Application May 25, 1935, Serial No. 23,480
6 Claims. (Cl. 45—138)



3. In combination, a support, a clinch strip secured to the support and including extending deformable prongs, a panel comprising a board-like sheet of lesser thickness than the length of the prongs and having opposite faces and a marginal portion, a border element carried by the marginal portion of the sheet and comprising a short leg and a long leg embracing the opposite faces of the sheet, the long leg being impenetrable by the prongs and disposed in the path of extension thereof through the panel, the short leg of the border element being disposed closely alongside of the clinch strip.

2,082,236
MECHANICAL RACK
Gust A. Anderson, Des Moines, Iowa
Application March 9, 1936, Serial No. 67,798
3 Claims. (Cl. 211—139)

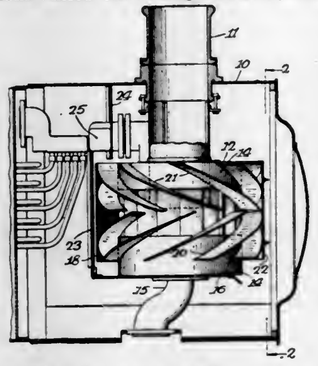


1. In a device of the class described, two horizontal shelves one above the other, a bar on each of said shelves, a vertical post on each of said bars, two vertical shafts having their lower ends journaled on said two posts, respectively, a gear wheel on the lower end of each of said shafts, a gear wheel on the upper end of one of said shafts in engagement with the gear wheel on the lower end of the shaft above it, a tray member on each of said shafts, and a prime mover operatively connected to the gear wheel on the lower end of the lower shaft.

2,082,237
SPARK DESTROYER FOR LOCOMOTIVES
Ralph W. Anderson, Wauwatosa, Wis.
Application June 10, 1935, Serial No. 25,831
4 Claims. (Cl. 110—122)

1. A spark destroyer for locomotives comprising a cylindrical casing, having a continuous

lateral opening spaced from its top and bottom and having top and bottom openings for fitting, respectively, upon the lower end of a smoke-stack and the upper end of an exhaust nozzle, and vertical vanes extending inwardly from the

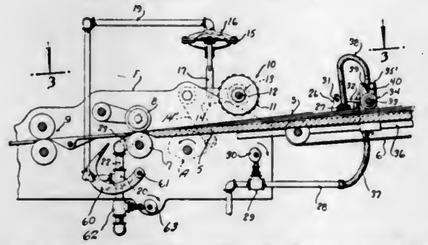


side walls of the casing each oblique to the diameter of the casing on which its point of attachment is located, and downwardly across the lateral opening, their lower ends being adjacent to but spaced from the bottom of the casing.

2,082,238
PROCESS FOR MANUFACTURING ACETYL CELLULOSE OF IMPROVED CLARITY
Henri L. Barthélemy and Edward E. Huffman, Rome, Ga., assignors to Tubize Chatillon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 6, 1935, Serial No. 9,591
5 Claims. (Cl. 260—101)

1. Method of making haze-free cellulose acetate which comprises acetylating purified and bleached cellulose which has been dried to a residual moisture content between 6 and 2 percent at a temperature not in excess of 90° C. with a mixture of glacial acetic acid, acetic anhydride and an inorganic acid catalyst, the weight of acetic anhydride employed being at least 2.6 times the weight of the cellulose, and the glacial acetic acid employed being between 8 and 14 times the weight of the residual acetic anhydride after acetylation.

2,082,239
SHEET FEEDING MACHINE
Elmer W. Belluche and Frank R. Belluche, Racine, Wis., assignors to Christensen Machine Company, Racine, Wis., a corporation of Wisconsin
Application December 9, 1935, Serial No. 53,490
27 Claims. (Cl. 271—38)



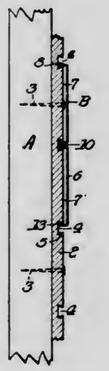
1. In a sheet feeding machine, the combination with a feed table adapted to support a bank of sheets and a sheet combing separator operating above said table, of means for lifting the separator from the bank of sheets, pneumatic means controlled by the topmost sheet for actuating said lifting means, and a suction port adapted to be uncovered by the advance of the topmost sheet for holding the second sheet down on the pile during withdrawal of the topmost sheet from the pile.

2,082,240
METHOD OF AND APPARATUS FOR FEEDING SHEETS
Elmer W. Belluche and Frank R. Belluche, Racine, Wis.
Application December 21, 1935, Serial No. 55,593
21 Claims. (Cl. 271—46)



1. In a sheet feeding device, means for holding a stack of sheets, means for removing sheets individually from the stack, means for advancing sheets removed from the stack at high speed for part of a predetermined distance along a defined path leading away from said stack holding means, other means for advancing sheets at slow speed for a successive part of said distance along the same path, said two means being so associated that a sheet moving at high speed is carried beyond the trailing edge of a preceding sheet moving at slow speed so as to effect an overlap between said sheets, and means adapted to deflect the trailing edge of a sheet moving at slow speed to facilitate the overlapping of the sheets.

2,082,241
TILING
Mills T. Bennett, East Cleveland, Ohio
Application February 23, 1933, Serial No. 658,079
28 Claims. (Cl. 189—85)



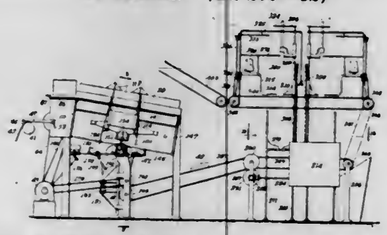
1. In a structure of the character described, a base member having spaced-apart parallel grooves therein, a tile having a flange thereon for entrance in one groove, a second flange for entrance in a spaced groove, one of said flanges being resilient and having means for cooperation with a wall of its groove for securing the tile on the base member.

2,082,242
DUST COLLECTOR
William Spencer Bowen, Westfield, N. J.
Application May 5, 1932, Serial No. 609,379
10 Claims. (Cl. 183—80)



10. A separating device comprising a venturi through which a whirling fluid is adapted to flow unobstructedly, said device comprising a converging Venturi portion adapted to receive a whirling fluid, an unobstructed Venturi throat portion receiving the whirling fluid from the converging Venturi portion and having an outlet, and a Venturi outlet chamber diverging continuously from the portion of the inlet of the outlet chamber adjacent the outlet of the throat to receive fluid therefrom and forming the expansion chamber of the venturi, the throat portion being formed with an opening to effect a separating action upon particles carried by fluid directed through the device, whereby continuous unobstructed uni-directional flow of fluid through the device is effected.

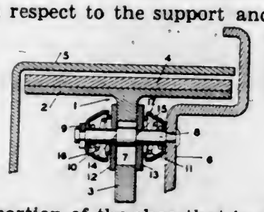
2,082,243
LAUNDRY FINISHING MACHINE
Lyn David and Alexander Rosenblatt, New York, N. Y.
Application February 4, 1935, Serial No. 4,754
27 Claims. (Cl. 270—62)



1. In a laundry finishing machine, for selecting, folding and tying similar laundered articles in bundles, means for successively advancing the laundered articles, means for folding the articles, means for stacking folded articles in a stack of a predetermined grade and for discarding the articles damaged beyond a predetermined limit, light-sensitive means for controlling the stacking means, means for tying the stack into a bundle, and means for discharging the tied bundle from the machine.

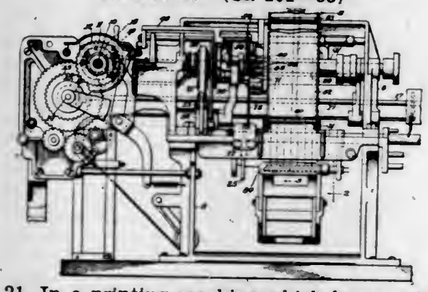
2,082,244
BRAKE SHOE GUIDE
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application December 7, 1935, Serial No. 53,321
8 Claims. (Cl. 188—78)

1. In brake shoe construction, a brake shoe, a support for the shoe and guiding means carried by the support for yieldably maintaining the shoe in a predetermined position, said means comprising yieldable members acting in opposite directions on a portion of the brake shoe and means for preventing one of said members from acting on the portion of the shoe when the other member yields under the action of shoe movement, and means for limiting the extent of movement of the shoe, said last named means being fixed with respect to the support and acting on



the same portion of the shoe that is acted on by the yieldable members.

2,082,245
PRINTING MACHINE
Walter T. Gollwitzer, Chicago, Ill., assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application May 27, 1931, Serial No. 540,259
29 Claims. (Cl. 101—58)

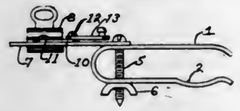


21. In a printing machine which has a printing device guideway including a selector position, means sequentially moving printing devices through said guideway and the selector position therein, said printing devices having a plurality of identifying means positions distributed thereover whereat identifying means may be provided to classify said printing devices, a plurality of receptacles to receive said printing devices after passage thereof through selector position, and means for selectively diverting said printing devices into the receptacles, the combination of means to regulate operation of the printing device diverting means in accordance with the classification of the printing device disposed in selector position and embodying detecting means including a source of light, light sensitive means adapted to be influenced by light from said source under control of the identifying means on the printing devices, and means to control the passage of light to the identifying means positions on the printing device at selector position whereby only the identifying meeans at selected of said positions effect operation of said printing device diverting means in a predetermined manner.

26. In a printing machine, a printing couple, means for moving a web through said printing couple whereby impressions may be made at spaced intervals on one face thereof, means for severing sheets from the web intermediate the impressions, a platen, means for carrying the severed sheets into printing position below said platen, means for moving printing devices into printing position whereby impressions may be made on said sheets from said printing devices, and means for rendering said platen, said carrying means, severing means and web moving means inoperative when predetermined of the printing devices move into printing position and comprising a selector mechanism embodying detecting

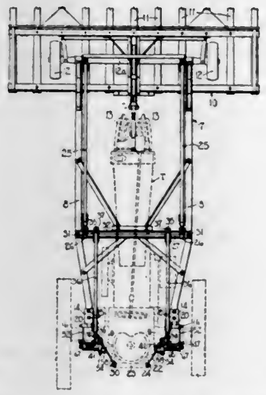
means including a source of light, light sensitive means adapted to be influenced by light from said source under control of identifying means on the printing devices, said printing devices having a plurality of identifying means positions distributed thereover whereat the identifying means may be selectively provided, and means to control passage of light to the identifying means positions on the printing device at selector position whereby only the identifying means at selected of said positions effect operation of said selector mechanism.

2,082,246
MAP RETAINING AND DISPLAYING DEVICE
William G. Hollingsworth, Sheboygan, Wis.
Application June 28, 1935, Serial No. 28,837
4 Claims. (Cl. 40—11)



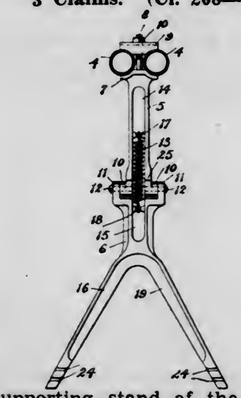
4. In a map retaining device, the combination of a clamp comprising a pair of clamping arms adapted for engagement with the steering wheel of an automobile, a platen, a spring clip attached to said platen, a bolt extending through said clamping arms and said platen and a nut having threaded engagement with said bolt whereby said clamp may be secured to the steering wheel of an automobile and said platen simultaneously pivotally attached to said clamp.

2,082,247
POWER LIFT IMPLEMENT
Frank D. Jones, Ottumwa, Iowa, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa, a corporation of Iowa
Application March 27, 1935, Serial No. 13,234
17 Claims. (Cl. 56—27)



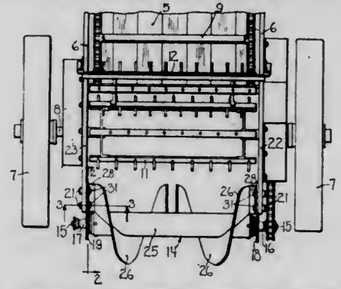
1. An agricultural machine comprising parts adapted to be moved into either of two positions, means for moving said parts from one position to another, link means cooperating therewith and adapted to be brought into a dead center relationship when said parts have been moved to one of its positions, whereby said link means serves to hold said parts in said one position, and spring means tending to move said link means into said dead center relationship.

2,082,248
SUPPORTING STAND FOR BICYCLES
Kurt Karpel, New York, N. Y.
Application March 11, 1936, Serial No. 68,217
3 Claims. (Cl. 208—79)



1. A supporting stand of the character described comprising, a body portion having a clamping plate formed on its upper end, a stud projecting upwardly from said plate, a second clamping plate fitting said stud and co-operating with the first plate to clamp a bicycle frame adjacent to its rear fork, with the body portion projecting downwardly from the point of clamping engagement, a supporting leg pivoted at the lower end of the body portion, said leg having divergent feet adapted to rest upon the ground and support the bicycle, a spring for raising the leg and holding it at an angle to the body portion in a non-supporting position, stop means for limiting the upward angular movement of the leg, stop means for limiting movement of the leg relative to the body portion when the leg is in its supporting position, and means on the body portion and leg for engagement by a lock to hold the body portion and leg fixed relative to one another when the leg is in its supporting position.

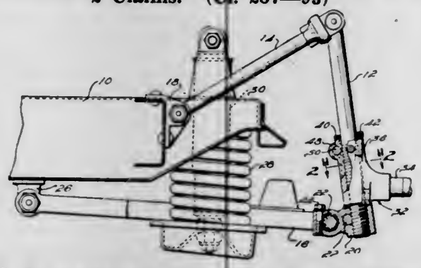
2,082,249
MANURE SPREADER
Frederick W. Kirby, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application December 24, 1935, Serial No. 56,065
3 Claims. (Cl. 275—6)



3. A substantially statically and dynamically balanced wide spread device for manure spreaders comprising, in combination, a pair of oppositely directed helicoid vanes, and a scraper for each end of said device, said scrapers being disposed at the outer ends of said vanes and positioned with respect to the inner ends of the

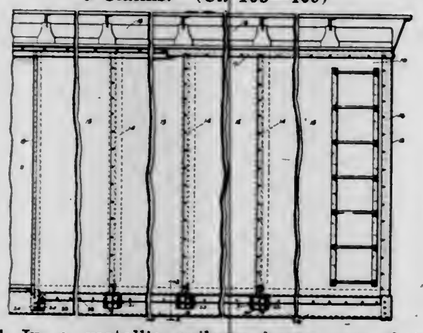
vanes and to the axis of rotation of said device so that the static and dynamic balance of the latter is secured and retained.

2,082,250
THREADED BEARING CONNECTION
John W. Leighton, Port Huron, Mich.
Application August 2, 1935, Serial No. 34,337
2 Claims. (Cl. 287—93)



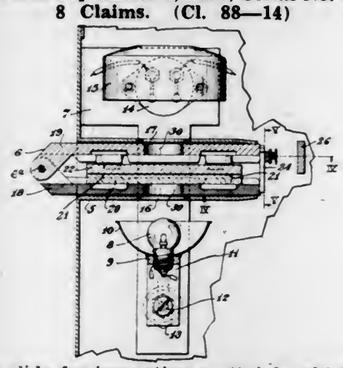
2. In combination, inner and outer members connected together to form a threaded bearing adapted to transmit loads which tend to longitudinally tilt one member relative to the other, which tilting defines a first major load area along one inner face of said outer member adjacent one end thereof and a second major load area along the opposite inner face adjacent the other end thereof, said inner member having external threads, said outer member having internal threads which mate with said external threads to form a rotatable threaded bearing connection between them, said outer member having an adjustable split which extends longitudinally thereof along said one face from said other end but terminates outside of said first load area, said outer member being continuous and unsplit throughout said first and second major load areas, said split being adjustable to take up wear in said bearing.

2,082,251
HOUSE CAR
Gabriel Madland, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application June 6, 1935, Serial No. 25,289
9 Claims. (Cl. 105—409)



1. In a metallic railway house car of increased inside width converted from a house car having sides embodying wooden sheathing, a metallic underframe including side sills and an inside width of approximately 8'6", a car side wall construction for each side of the car comprising door and intermediate metallic posts spaced outwardly from said side sill, said intermediate posts terminating above said side sill, means securing said door posts to said sill, brackets secured directly to said sill and to the lower portion of each of said intermediate posts for securing the latter to the sill, a longitudinally extending side plate to which said posts are secured, metallic sheathing extending from said door posts to each end of the car and secured along its upper margin to said side plate, said sheathing being disposed upon the outside of and secured to said intermediate posts in outwardly spaced relation to said sill between said side plate and the bottoms of said intermediate posts, the lower portion of said sheathing being bent substantially horizontally inwardly below said posts and then vertically downwardly to provide a depending flange, said flange being secured directly to said side sill.

2,082,252
APPARATUS FOR DETERMINING CHARACTERISTICS OF FLUIDS
Rex D. McDill, East Cleveland, Ohio
Application September 5, 1933, Serial No. 688,090
8 Claims. (Cl. 88—14)

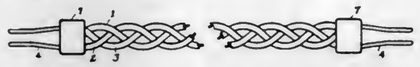


1. A slide for inspecting materials which comprises two transparent panes, spacers interposed between the panes to maintain them a predetermined distance apart, a carrier for said panes consisting of two hinged arms each defining a recess and each carrying one pane, latch means for retaining the arms in closed position, the arms being of generally channel-shaped cross section, the panes being positioned within the recesses of the arms.

2. In combination with an incandescent light source and a light sensitive element, a guide interposed between said source and element, and adapted to receive a carrier, said guide having a pair of aligned apertures, a carrier inserted in said guide having two arms hinged together at one end, panes of transparent material supported by said arms, apertures through said arms in alignment with each other and with the apertures in the guide, the apertures being nearer one end of the arms than the other and so adapted to register with the apertures in the guide when the carrier is inserted in one position only.

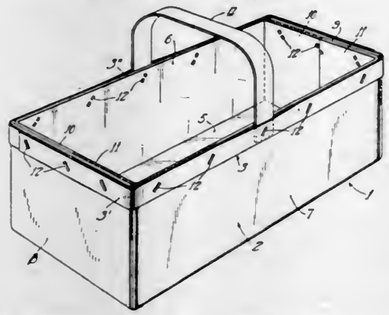
2,082,253
ANTISKID CHAIN
Charles W. McGinnis, Pittsburgh, Pa.
Application April 21, 1936, Serial No. 75,559
2 Claims. (Cl. 152—14)

1. A cross-link for anti-skid chains comprising a plurality of individual rubber strands reenforced with metal of substantial tensile strength and flexibility, said individual strands being looped and plaited into a relatively flat band of open-work structure in which the loops are relatively movable in service for breaking out accumulations of snow and ice, as described, and fastening means secured to the opposite ends of such band.



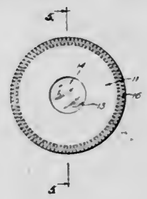
2. A cross-link for anti-skid chains comprising a plurality of individual rubber strands reenforced with members of relatively great tensile strength and substantial flexibility, said individual strands being looped and plaited into a relatively flat band of open-work structure in which the individual loops are relatively movable in service for breaking out accumulations of snow and ice, as described, and fastening means secured at the opposite ends of said link, said fastening means including a body of rubber vulcanized to the rubber terminals of said strands.

2,082,254
BASKET
Paul W. Miessler, Cleveland, Ohio, assignor to The Hankins Container Company, Cleveland, Ohio, a corporation of Ohio
Application April 15, 1935, Serial No. 16,386
1 Claim. (Cl. 229—52)



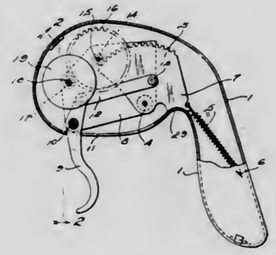
A basket formed from a blank of relatively thin corrugated board, said blank comprising a rectangular bottom wall, side walls on opposite sides of said bottom wall, end walls on each end of said bottom wall, end wall flaps on each end of said side walls, said end wall flaps each being of a length substantially equal to one-half the width of said end walls and lying against the inner surface of said end walls to form a double thickness end wall for said basket, a reinforcing rim of relatively stiff strip material secured in unbroken relation along the upper edge of each side wall, said strips overlapping each other to form double thickness strips across the end walls, means extending through said strips, end walls and end wall flaps to hold said basket in assembled relation, a U-shaped handle member of flat material, said handle member having its ends disposed between said strips and the side walls of said basket, means extending through each of said strips, handle member and side wall to hold said handle member in fixed relation to said basket, said strips serving to reinforce the entire upper edge surface of said basket whereby when a number of such baskets are stacked one upon another, a portion of the stresses imposed upon the edges of the side walls will be transmitted along said strips and carried by said double thickness end walls.

2,082,255
COSMETIC APPLICATOR
Charles A. Mureau, Los Angeles, Calif.
Application December 24, 1935, Serial No. 55,996
3 Claims. (Cl. 132—78.5)



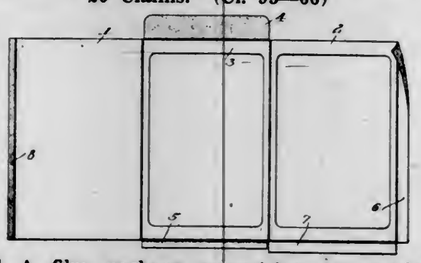
1. A device for applying a powdered cosmetic comprising a front permeable to the cosmetic, a back associated with the front to form a pocket for carrying the cosmetic to be sifted through the front, the back having a window opening, a transparent element lining the back and closing the window opening against the loss of the cosmetic from the opening, and stitching securing together the front, back and transparent element.

2,082,256
MECHANICAL MOVEMENT
Oscar A. Netschke, St. Clair Shores, Mich.
Application April 13, 1935, Serial No. 16,119
1 Claim. (Cl. 74—133)



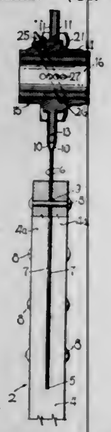
In a rotary tooth brush mechanism, a housing formed to provide a head and a handle extending at an angle to the head, the housing being formed to provide an indented portion between the handle and the head, a gear segment pivotally mounted in the head and having an extension arranged to seat on said indented portion, a coiled spring connected to the extension and extending into the handle, the handle being provided with a lug and the spring being connected to the lug and to the extension to normally hold the extension on the housing indentation, a trigger pivotally mounted in the head, a link pivotally connected to the trigger and to the gear segment whereby the gear segment may be turned by turning movement of the trigger, a shaft rotatably mounted in the head and extending therefrom, a fly-wheel secured to said shaft within the housing, a gear reduction mechanism between the shaft and the gear segment, the axis of one of the gears being movable and the arrangement being such that movement of the gear segment in one direction moves the movable gear to position to rotate the shaft and movement of the gear segment in the opposite direction disengages the movable gear from the shaft.

2,082,257
FILM HOLDER
Isaac N. Odell, Rochester, N. Y., assignor to Defender Photo Supply Company, Incorporated, Rochester, N. Y., a corporation of New York
Application March 16, 1936, Serial No. 69,148
20 Claims. (Cl. 95—66)



1. A film package comprising an envelope formed of light weight material including an exposure wall and a back wall, a light guard separate and removable from the envelope, and a sheet of photographic film located in light-tight relation to the envelope and light guard and fixed against endwise movement.

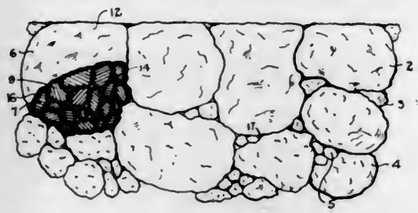
2,082,258
PITMAN
Louis A. Paradise, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 25, 1935, Serial No. 18,088
10 Claims. (Cl. 74—579)



4. A crank pin driven pitman comprising a bar having a slot therein, flexible members having end portions disposed within said slot, means for retaining said members within said slot, said means providing for limited relative movement of said members within said slot, and a pitman bearing member adapted to be journaled on a crank pin and having a part secured to the other ends of said flexible members.

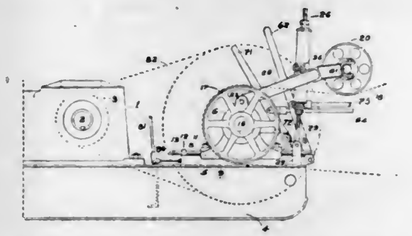
2,082,259
COLD-LAY PAVEMENT AND PROCESS OF MAKING THE SAME
Leo T. Peden, Houston, Tex.
Application May 1, 1933, Serial No. 668,788
7 Claims. (Cl. 106—31)

1. A material of manufacture to be laid cold and formed into a pavement by compression, comprising a composite mass made up of a plurality of particles, each particle being composed of a plurality of grains of aggregate cohered together by a cementitious material, and



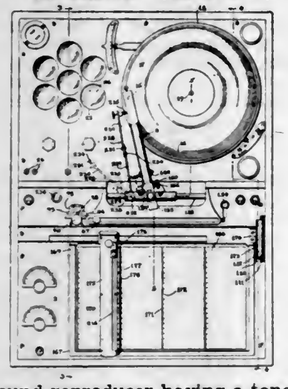
a flux coating covering the particles whereby the particles will be caused to slide relative to each other and move into the most compact position upon compression.

2,082,260
POWER GENERATING AND TRANSMITTING ORGANIZATION
John Reid, Oil City, Pa.
Application December 2, 1935, Serial No. 52,593
5 Claims. (Cl. 74—216.5)



1. A power-generating and transmitting organization comprising in combination, a self-contained assembly of sub-organizations consisting of, a readily portable sub-base, an internal combustion engine rigidly mounted upon said sub-base, a primary power-delivery shaft for said engine, a primary-power-delivery pulley mounted upon and driven by said shaft, a fore-and-aft adjustable countershaft housing mounted upon said sub-base, a countershaft mounted in said housing in parallel relation to said power-delivery shaft with its ends projecting from the respective sides of said housing, a primary power-receiving pulley mounted upon one of said ends in fore-and-aft alignment with said power-delivery pulley, a primary transmission belt passing about said pulleys, a secondary power-delivery pulley mounted upon the other end of said countershaft, a secondary driving-belt passing about and extending forwardly from said secondary driving pulley to an ultimately driven pulley, a pulley-supporting frame pivotally attached at its rearward end upon said housing and extending forwardly therefrom in lateral proximity to said secondary driving belt, a belt-tightener pulley carried by said frame, in overhung relation thereto, extending forwardly therefrom in fore-and-aft alignment with the secondary belt, and a belt-tightener pulley mounted in the forward end of said frame positioned above and in tension-producing relation to said secondary belt, said tension-producing action being compensatory to the fore-and-aft adjustment of said housing and in simultaneous compensatory coordination therewith.

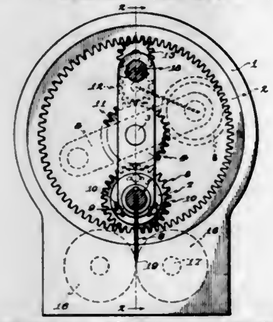
2,082,261
PHONOGRAPH REPEATING, CHARTING, AND PROJECTING MECHANISM
Arthur L. Runyan, New York, N. Y., assignor, by mesne assignments, to Translaphon Corporation, Newark, N. J., a corporation of New Jersey
Application November 4, 1935, Serial No. 48,224
58 Claims. (Cl. 274—1)



1. A sound reproducer having a tone arm with a reproduced stylus, a motor for rotating a sound record, means for lowering the reproducer stylus onto the record, means for lifting the tone arm and reproducer stylus from the sound record after reproduction of the whole or any portion of the record, and a mechanical repeat mechanism driven by the motor and provided with means for controlling the lowering of the reproducer stylus onto the sound record and the release of the tone arm to permit the operation of said tone arm lifting means.

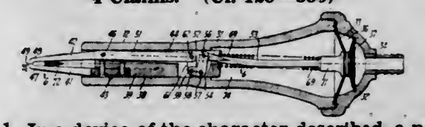
50. In mechanism of the class described, charting means movable over a chart related to a sound record, a projector for showing on a screen selected portions of a picture of the chart, and mechanism synchronized with the charting means for moving the picture of the chart simultaneously with the charting means for projecting on the screen a picture of the selected portion of the chart to which the charting means has been moved.

2,082,262
FOLDING MECHANISM
Oliver H. Sather, Chicago, Ill.
Application April 26, 1935, Serial No. 18,377
7 Claims. (Cl. 270—77)



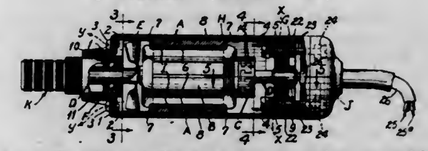
1. A folding mechanism comprising an internal gear, a planet gear meshed with said internal gear, a tucker blade connected with said planet gear and arranged to extend beyond the pitch circle thereof a distance equal to the difference between the pitch diameter of said planet gear and one-half the pitch diameter of said internal gear, means to impart angular motion of constant velocity to said planet gear, and means to rotate said internal gear in the same direction as the angular motion of said planet gear and at peripheral velocity such that the leading edge of said tucker blade will move in a single plane diametrically intersecting said internal gear.

2,082,263
POWER-OPERATED TWEEZERS
Floyd V. Schleimer, San Francisco, Calif., assignor to United States Appliance Corporation, San Francisco, Calif., a corporation of California
Application March 13, 1935, Serial No. 10,861
4 Claims. (Cl. 128—355)



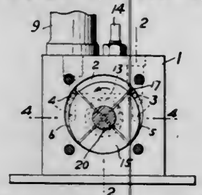
1. In a device of the character described, a pair of tweezer elements having co-operating hair-gripping end portions, a hollow elongated casing adapted to be grasped by an operator, a block slidably carried within one end portion of said casing, for reciprocating movement in a longitudinal direction, means serving to attach one of said tweezer elements to said block, means forming a pivotal connection between said block and the other one of said tweezer elements, said last-named tweezer element having an arm secured to the same extending rearwardly within the casing, an actuating member mounted in the rear portion of the casing, means serving to rapidly reciprocate said actuating member in a direction longitudinally with respect to the casing, a lever serving to pivotally connect the forward end of said actuating member to said block, an arm carried by said lever, and a link serving to pivotally connect said last-mentioned arm with the inner end of said first-mentioned arm, said first-mentioned arm having limited pivotal movement whereby reciprocation of said actuating member effects sliding movement of said block and also causes relative lateral movement between said tweezer elements.

2,082,264
ELECTRIC MOTOR
Loyd Scruggs, University City, Mo.
Application June 22, 1935, Serial No. 27,893
8 Claims. (Cl. 172—36)



1. A fractional horse-power motor provided with a rotatable armature, a field core surrounding said armature, an elongated housing having end members in which the armature shaft is mounted, an air circulating fan attached to the armature shaft, and tie bars for connecting the end members of the housing together, disposed in the space between the armature and field core and provided at one end with outwardly-projecting portions that form an unobstructed fan space on the interior of the housing that is of greater diameter than the armature.

2,082,265
PUMP
William J. Smith, Philadelphia, Pa., assignor, by direct and mesne assignments, to Vincent S. Clymer, Wyncote, Pa.
Application March 16, 1934, Serial No. 715,811
Renewed March 18, 1937
2 Claims. (Cl. 103—137)



1. A pump for supplying an artificial silk solution to a spinneret comprising in combination, a block having a cylinder and having inlet and outlet passages through the face wall of the cylinder at points spaced 90° apart, the face wall of the cylinder having leak grooves from the inlet and outlet passages and extending towards each other and part way around the cylinder, a ball check valve arranged in the block and operative in the inlet passage, a pressure chamber communicating with the outlet and mounted on the block, a by-pass channel in the block from the outlet passage to the inlet passage on the discharge side of the ball check valve, a needle valve mounted in the block and operative in the by-pass, a rotary piston eccentric in the cylinder and having on its face cruciform slots facing the leak grooves, a notched impeller blade in each slot, and a ring mounted in the notches of the impeller blades.

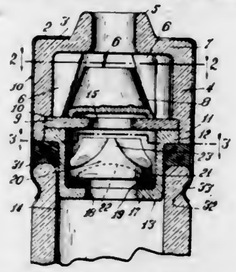
2,082,266
ILLUMINATING DEVICE
Leonard L. Stafford, Glendale, Calif.
Application June 6, 1936, Serial No. 83,942
6 Claims. (Cl. 240—81)



1. An illuminating lamp structure including a column comprising a wall formed of a plurality of thin, firm, corrugated, strip-like blades nested one against the other in fixed relation and providing interstices through the wall, and a source of light arranged in the column and from which light passes outward through the interstices either directly or by reflection from the blade surfaces.

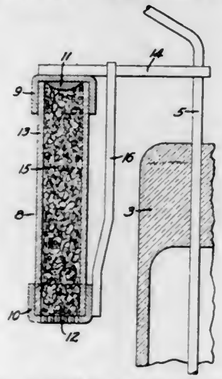
2,082,267
CLOSURE DEVICE FOR RENDERING BOTTLES NONREFILLABLE
Walter A. Stattmann, Chicago, Ill.
Application February 1, 1935, Serial No. 4,423
1 Claim. (Cl. 215—30)

Mechanism for rendering a bottle non-refillable comprising a cap, the latter and the bottle equipped with inter-engaged formations for permanently securing said cap upon the bottle, a cup of vitreous material equipped with a peripheral flange along its rim and with a central opening in its bottom wall, a packing washer disposed between said flange and the rim of the bottle mouth, a gravity actuated valve in said cup for maintaining the said opening normally sealed, said valve being of small diameter than said cup and capable of lateral movement therein, said valve equipped at its upper end with a plurality of radial ribs defined by radial recesses each presenting a continuous concave surface vanishing in an upper V-shaped surface at the junction of said ribs and extending at a



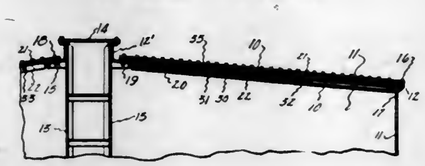
downward incline to a point adjacent the bottom surface of said valve and being of sharply increasing width progressively from the middle portion to the peripheral surface of said valve, a disk having a central opening disposed over said cup and spaced therefrom a distance substantially greater than the height of said valve and confining the latter within said cup, a second similar valve mounted upon said disk, an inverted cup member equipped with a central discharge spout at its upper end and cooperating with said disk to effect confinement of said second valve similarly to said first-named valve, said respective cups being mounted within said cap.

2,082,268
GETTER CARTRIDGE
Russell H. Varian, San Francisco, Calif., assignor to Farnsworth Television Incorporated, a corporation of California
Application March 13, 1935, Serial No. 10,882
2 Claims. (Cl. 250—27.5)



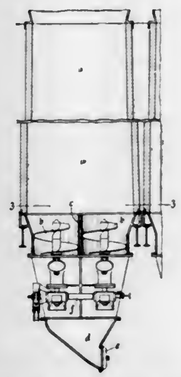
1. A getter cartridge adapted to be sealed within an evacuated envelope comprising a container having a metallic portion and a nonmetallic portion, getter material in said metallic portion, and a finely divided material permeable to gas within the nonmetallic portion.

2,082,269
BOLTED TANK
Jay P. Walker, Tulsa, Okla., assignor of forty per cent to Guy O. Marchant and six per cent to C. G. Wells, Tulsa, Okla.
Application February 21, 1936, Serial No. 65,008
12 Claims. (Cl. 108—32)



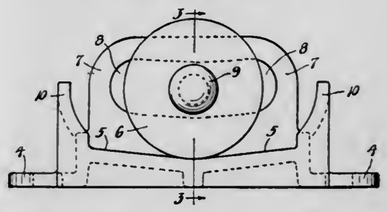
7. A tank including, an upright annular wall, a central collar, a plurality of roof sheets having their outer edges fastened on the tank wall and their inner ends fastened on the collar, angular rafters secured to the under side of the sheets between the tank wall and the collar, the sheets overlapping above the rafters, means for fastening the rafters to the sheets, bolts extending through the rafters and the sheets at the overlapped portions and having their heads adjacent the under side of the rafters, and means fastened to the rafters for supporting the bolts and holding their heads against rotation.

2,082,270
VERTICAL RETORT FOR THE CONTINUOUS DISTILLATION OF CARBONACEOUS MATERIALS
Frederick Joseph West and Ernest West, Miles Platting, Manchester, England, assignors to West's Gas Improvement Company Limited, Miles Platting, Manchester, England, a British company
Application July 9, 1935, Serial No. 30,554
In Great Britain August 9, 1934
1 Claim. (Cl. 202—226)



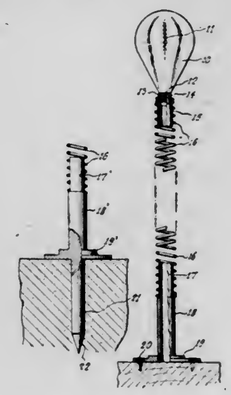
A carbonizing vertical retort comprising a shell adapted for unimpeded descent of a charge of solid material through the upper part thereof, a substantially oval-shaped hollow member constituting the bottom of the retort and having a major axis and a minor axis, a pair of vertical helical extractors in said hollow member, arranged side by side in the direction of the major axis of said member, each of said extractors having a diameter approximately equal to the minor axis of said hollow member, said extractors being driven in unison and working in parallel, a division wall extending across said hollow member between said extractors in the direction of said minor axis, and a common discharge chamber communicating with said extractors for receiving material discharged therefrom.

2,082,271
SIDE BEARING
Theron H. Williams, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Application October 20, 1934, Serial No. 749,184
Renewed October 31, 1936
1 Claim. (Cl. 308—226)



A side bearing for cars, comprising an open sided housing forming a roller tread plate, a central longitudinally extending division wall upstanding from said tread plate, said division wall having a pin receiving opening therein, a pin projecting through said opening, a pair of rollers working on said tread plate, one of which rollers being at one side of said division wall and the other of which rollers being at the other side of said division wall, said rollers being mounted on said pin, and lugs upstanding from said tread plate and limiting the travel of said rollers, there being two of said lugs adjacent each end of said tread plate and the lugs adjacent each end of the tread plate being laterally spaced from each other to form notches through which dirt from said tread plate may sweep.

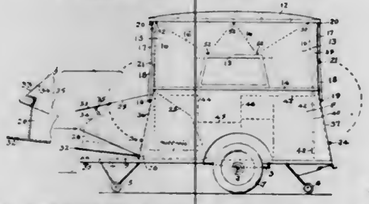
2,082,272
EXERCISING APPARATUS
Henry Zinnow, Brooklyn, N. Y.
Application July 1, 1936, Serial No. 88,289
1 Claim. (Cl. 272—78)



A punching bag having a screw threaded rigid stem, a sleeve engaged on said stem, said sleeve having a reduced upper portion adjacent said

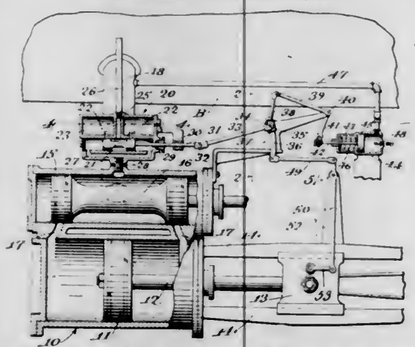
bag, an open wound helical spring encircling said sleeve and fixed at its upper end to said upper portion of the sleeve, a stepped circular pedestal having an axial pendant integral shank adapted to be driven into the ground, said shank being round and acutely pointed, and including an upwardly extending post provided with a reduced upper portion to receive the opposite end of said spring and be secured therewithin.

2,082,273
AUTOMOBILE TRAILER
Alger L. Conkey, Orlando, Calif.
Application December 26, 1933, Serial No. 703,941
3 Claims. (Cl. 296—23)



1. An automobile trailer comprising a wheel supported body having a movable front end extension, horizontal pivots between the floor of the body and the extension, a separately hinged floor for the extension, sealing means between the extension its hinged floor and the body, means for pivoting the floor of the extension to the horizontal pivots eccentrically, and means for holding the extension closed within the trailer body so that its floor is approximately parallel to the slope of the front end of the body.

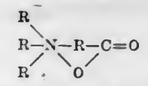
2,082,274
LOCOMOTIVE DRIFTING MECHANISM
Frank W. Corcoran, Los Angeles, Calif.
Application December 21, 1935, Serial No. 55,607
2 Claims. (Cl. 121—137)



1. In a superheated steam locomotive including a steam chest and cylinder a body member having steam receiving chambers therein mounted on and having ports communicating with the steam chest, and steam receiving chambers a valve operable in said body member for opening and closing the ports therein for admitting saturated steam into the valve chest, means for operating said valve when the throttle is closed including an arcuate link, a piston, a cylinder and a spring normally holding said valve inactive, and means for actuating said valve from a moving part of the locomotive operable upon closing the throttle valve.

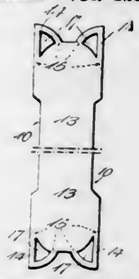
2,082,275
SUBSTITUTED BETAINES
Karl Daimler and Carl Platz, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 22, 1935, Serial No. 17,744. In Germany April 26, 1934
5 Claims. (Cl. 260—25)

1. The products of the following general formula:



wherein R stands for an aliphatic radical with at least 6 carbon atoms and the other R's stand for a member of the group consisting of aliphatic, aliphatic-aromatic or aromatic radicals, which products are distinguished by their cleansing properties, their stability towards acids and lyes and towards the salts that cause the hardness of water.

2,082,276
CATAMENIAL DEVICE
Edward J. De Ville, Halethorpe, Md.
Application July 5, 1934, Serial No. 733,907
1 Claim. (Cl. 128—290)

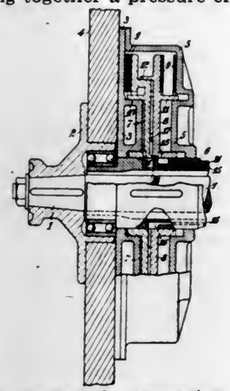


A blank from which a sanitary pad shield may be formed, comprising a substantially oblong, flexible, and pliable body portion of a size such as to cover the underside of the pad when assembled therewith, an angularly shaped, loop-like member formed on each corner of said oblong body portion integral therewith and adapted to be folded over upon the said body portion, said angularly shaped loop-like members extending from the ends of said body in a line parallel with the said body, said angularly shaped loop-like members being of substantially the same size and of a length such that the outermost free tip portions of adjacent pairs thereof are adapted to be joined together when folded over the corresponding end of said body to form strap-like loops bridging said body.

2,082,277
BRAKE FOR MOTOR VEHICLES
Benno R. Dierfeld, Berlin-Friedenau, Germany
Original application February 12, 1927, Serial No. 167,720. Divided and this application May 31, 1934, Serial No. 728,462. In Germany February 22, 1926
10 Claims. (Cl. 188—152)

6. A braking device for motor cars and railway vehicles, and adapted to be operated by a liquid or gaseous fluid under pressure, and comprising a wheel, in combination, a brake casing connected with said wheel, a stationary member arranged centrally within said casing, two axially shiftable, relatively non-rotatable brake discs

mounted on said stationary member and arranged in said casing coaxially with the wheel and forming together a pressure chamber, an in-



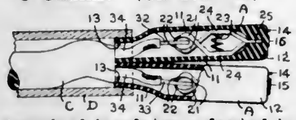
tegral flange on one disc engaging the other disc and closing this chamber, and a channel communicating with the said chamber.

2,082,278
OIL AND MOISTUREPROOFING COMPOSITION AND PRODUCTS MADE THEREFROM
Robert R. Ferguson, Chevy Chase, Md., assignor of one-fourth to John G. Graham, Alexandria, Va., and one-fourth to Paul V. Rogers, Chevy Chase, Md.
No Drawing. Application September 9, 1935, Serial No. 39,861
20 Claims. (Cl. 154—50)

12. A laminated paper product at least one of the laminations of which is impregnated with and secured to another by a composition comprising emulsified hydrogenated fish oil and rubber, the rubber being substantially free of brittle constituents.

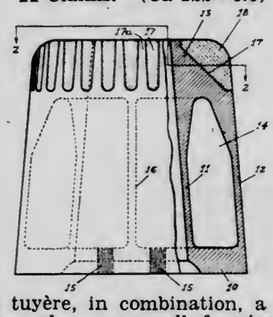
14. An adhesive and moistureproofing composition for paper products, consisting of the following ingredients combined in substantially the proportions stated, to wit: a hydrogenated oil, substantially 86%, and a rubber product 14%.

2,082,279
CLIP INSULATOR
Jesse B. Fore, Graham, Tex.
Application May 15, 1936, Serial No. 79,971
3 Claims. (Cl. 173—28)



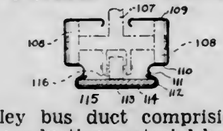
1. In a terminal insulator, adapted to insulate terminals of fine stranded wires, a sheath of flexible dielectric material having an imperforate end and an open end, and terminal gripping means within said sheath, including a pair of jaws each having teeth at one end of said jaws and an anchor at the opposite end of said jaws, said anchor comprising a substantially flat tongue and being firmly embedded in said material at the imperforate end of said sheath, whereby said clip is rendered substantially immovable longitudinally of said sheath, said teeth and said jaws being spaced well inwardly of said open end, with said teeth nearest said open end.

2,082,280
TUYÈRE
Gordon Fox and Owen R. Rice, Chicago, Ill., assignors to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application May 1, 1935, Serial No. 19,138
11 Claims. (Cl. 122—6.6)



1. In a tuyère, in combination, a nose wall, side walls and a rear wall forming a tuyère throat and an annular cooling chamber, the nose wall of said tuyère being provided with radial ribs extending at least approximately thereacross and providing between them radial recesses, said recesses being narrow relative to their depth and being filled with refractory material, the outer surfaces of said ribs and the corresponding surfaces of said refractory material between said ribs being the outermost surfaces of said nose wall at the corresponding region of said nose wall.

2,082,281
ELECTRICAL DISTRIBUTION SYSTEM
William H. Frank, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Original application December 1, 1933, Serial No. 700,596. Patent No. 2,025,813. Divided and this application January 9, 1936, Serial No. 58,308
8 Claims. (Cl. 247—3)

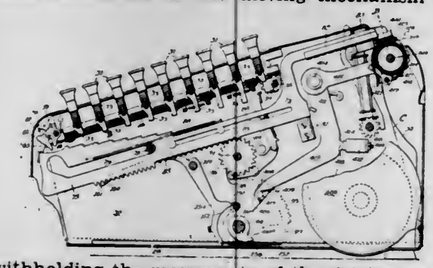


1. A trolley bus duct comprising a duct of electrically conducting material having a slotted wall and having mounted on the wall opposite the slotted wall a bus bar facing the slot, the bus bar being formed of a thin, wide, flat ribbon of electrically conducting material, the wall mounting it having longitudinally extending elongated folds folded around and receiving the edges of the bus bar.

2,082,282
PRINTING MECHANISM FOR ADDING AND RECORDING MACHINES
Max Garbell, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Delaware
Original application March 24, 1934, Serial No. 717,156. Divided and this application November 13, 1934, Serial No. 752,873
17 Claims. (Cl. 101—93)

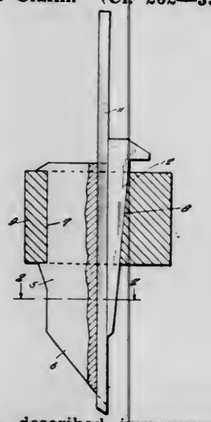
1. The combination with a driving mechanism, of a plurality of type carrying type bars, a driving member carried on each type bar for movement with and independently thereof and operatively connected with the driving mechanism,

a platen, a series of keys coacting with and forming stops for said type bars when actuated to position the selected type thereof in printing relation with said platen, a pair of stops normally retaining each of the type bars, means under the control of the keys to release one of said pair of stops, and means under the control of the driving mechanism to release the other of said pair of stops and permit the type bars to be driven with the driving mechanism until arrested by the actuated keys, lock means at each limit movement of the driving mechanism for



withholding the movements of the driving members of the type bars, means between the lock means of said driving mechanism to cause the driving movements of the driving members and type bars, and means on the platen coacting with the driving mechanism to trip said platen for an impact against the positioned type in printing relation therewith, the tripping occurring at near the limit setting-up stroke of the driving mechanism and during the time the lock means is withholding the movements of the driving members and type bars.

2,082,283
SCARIFIER TOOTH
Joseph R. Godfrey, Concrete, Wash.
Application March 10, 1936, Serial No. 68,106
1 Claim. (Cl. 262—33)

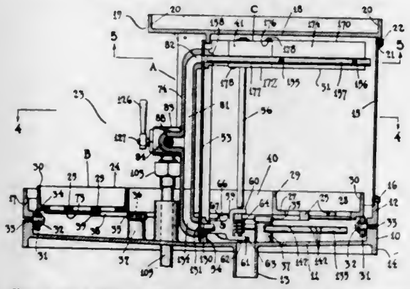


The herein described improvement in road grader scarifying tooth construction, comprising essentially an apertured supporting bracket, a tooth body removably arranged in the aperture of the bracket and having in one of its edges a groove receiving one wall of the bracket aperture and also having in its opposite edge and extending throughout the length thereof a groove of V-shape in cross section, an adjustable point member triangular in cross section and slidably arranged in said groove of the body, and a wedge pin disposed in the aperture of the bracket and interposed between the adjustable point and the opposed wall of the aperture in the bracket, said wall being inclined downward and inwardly and arranged opposite the aperture wall received in the first-named groove of the tooth body.

2,082,284
PROCESS FOR EXTRACTING METALS FROM ORES
Carl Goetz, Berlin, Germany
No Drawing. Original application March 27, 1933, Serial No. 663,100. Divided and this application June 17, 1935, Serial No. 27,124. In Germany April 1, 1932
6 Claims. (Cl. 75—6)

1. A process for obtaining non-ferrous metal from iron-containing ores thereof of sulphidic or arsenical nature, consisting in adding iron oxide to the ore in order to rectify the deficiency of this metal in the ore, and in heating the mixture in a non-oxidizing gas stream at an elevated temperature which is substantially below the melting point of the ore, whereby the sulphur and arsenic combine with the iron which is present and the non-ferrous metal is liberated in its elementary state and conglomerated to coarse particles.

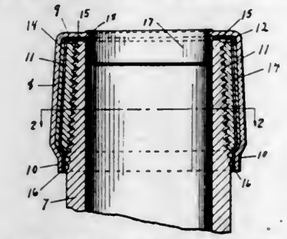
2,082,285
MACHINE FOR WASHING DRINKING VESSELS
Raleigh H. Greer, Jr., John Burgess and Walter F. Ohme, Minneapolis, Minn., assignors of one-sixth to said Greer, one-third to said Ohme, one-sixth to Walter J. McComb and one-third to Albert J. Stafne, all of Minneapolis, Minn.
Application October 27, 1933, Serial No. 695,464
2 Claims. (Cl. 141—3)



1. In a machine for washing drinking vessels, a revoluble rack for dishes, a water motor for rotating said rack, said motor being disposed above said rack, said motor having a vertically disposed rotatable shaft extending through and below said rack, a worm on the lower end of said shaft, a rotatable shaft extending laterally from said first mentioned shaft below said rack, a worm wheel on one end of said second shaft meshing with said worm, a pinion on the other end of said second shaft and a gear on said rack for rotating the latter and driven by said pinion.

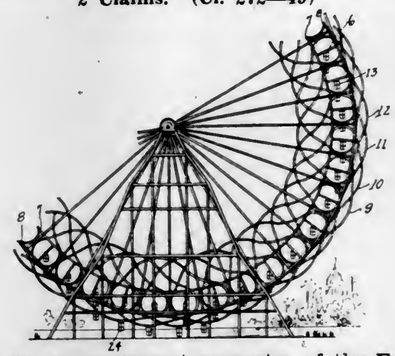
2,082,286
PIPE THREAD PROTECTING DEVICE
Lester S. Gunderman, Pittsburgh, Pa.
Application May 13, 1936, Serial No. 79,437
8 Claims. (Cl. 138—96)

1. A protector for pipe threads comprising an annular casing having one edge bent inwardly to overlie the end of the pipe, the opposite edge thereof being diametrically reduced, and a flexible lining engaging the inner wall of the said casing between the said inwardly bent edge and



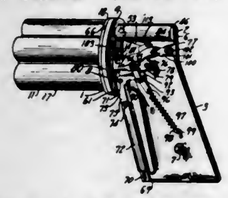
the said reduced edge, and means running transversely through the lining and having the ends thereof secured to the casing for holding the lining within the said casing.

2,082,287
AMUSEMENT DEVICE
Charles Hermann, New York, N. Y.
Application June 13, 1936, Serial No. 84,992
2 Claims. (Cl. 272—49)



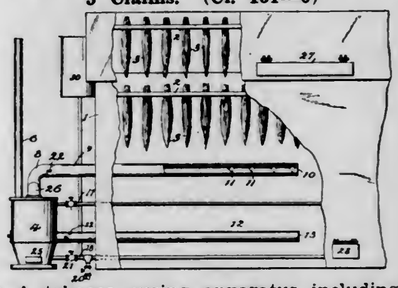
1. In an amusement apparatus of the Ferris wheel type, a wheel structure rotating on a horizontal axis and having a pair of spaced apart parallel rims, a plurality of continuous tracks arranged in staggered relation between said rims, and passenger cars suspended on said tracks, said cars pivotally turning and moving along the tracks as the wheel rotates, the space between said rims being greater than the combined width or two or more cars.

2,082,288
FIREARM
Newton S. Hillyard, St. Joseph, Mo.
Application April 12, 1935, Serial No. 15,961
7 Claims. (Cl. 42—59)



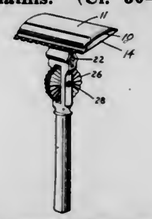
1. In a device of the character described, a frame, a cylinder rotatably mounted on the frame and provided with a plurality of shell chambers arranged in series about the axis of the cylinder and having ratchet guide portions corresponding to spacing of the respective chambers, shell firing means on the frame, a stop latch for normally locking the cylinder from rotation, means for releasing said stop latch, a ratchet lever for rotating the cylinder to successively present the shell chambers into registry with the firing means and having a portion movable in said guide portions for retaining the cylinder with one of the shell chambers in registry with the firing means, and a lost motion connection between the ratchet lever and said releasing means whereby the ratchet lever is operated by the releasing means.

2,082,289
TOBACCO CURER
Gurnie E. Hodgin, Goldsboro, N. C.
Application November 24, 1936, Serial No. 112,589
5 Claims. (Cl. 131—6)



3. A tobacco curing apparatus including an enclosure in which the tobacco is suspended, a heater disposed beyond and wholly free of the enclosure, a drum in the heater subjected to the heating influence of the products of combustion from the heater, an outlet pipe leading from the drum to and longitudinally of the enclosure for discharging heated air from the drum within the enclosure, a second pipe open to the enclosure for withdrawing air therefrom, said second pipe communicating with the drum, a water coil encircling the drum, and water circulating pipes in communication with the coil and arranged adjacent the walls on the interior of the enclosure, said latter pipes extending throughout the length and breadth of the enclosure.

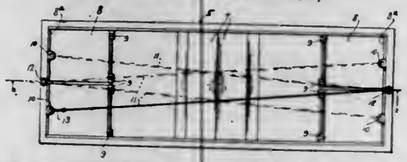
2,082,290
RAZOR
Edward J. Hoerres, Milwaukee, Wis.
Application September 11, 1936, Serial No. 100,362
3 Claims. (Cl. 30—44)



3. In a safety razor the combination with a razor blade mounted between a cap plate and guard, a sliding member adapted to support said razor blade mounting, said sliding member provided with a contact member projecting outward from same, a handle equipped with a slot to receive said sliding member, resilient means mounted into said slot for engagement with said

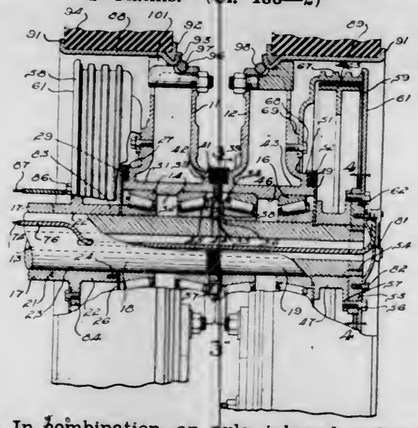
sliding member, a revolving member supported by said handle, said revolving member supplied with a plurality of serrations on its sides to engage the contact member of said sliding member when acted upon by the said resilient member causing a reciprocating motion when said revolving member is brought into motion.

2,082,291
UNLOADING ATTACHMENT FOR HOPPER BOTTOM RAILROAD CARS
Edward N. Jeannerette, Rome, Ga.
Application August 24, 1935, Serial No. 37,732
2 Claims. (Cl. 105—257)



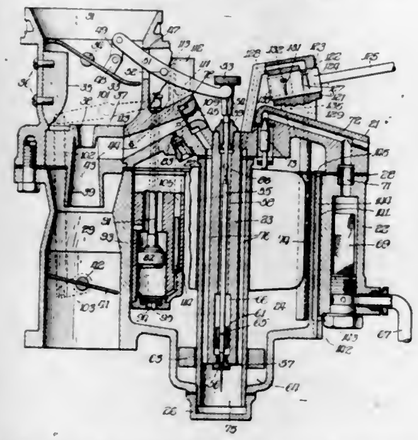
1. In a railroad hopper car having outlet means in the bottom thereof, bottom wall sections sloping from respective opposite ends of the hopper body to said outlet means and vertical end wall sections rising from the upper ends of the inclined bottom wall sections, combination wear and discharge plates mounted in the hopper body, each of said plates including a flat end portion adapted to rest on the upper portion of an inclined bottom wall section of the hopper and hinged at its lower edge to said inclined bottom wall section, and a vertical end portion adapted to normally lie against the adjacent vertical end wall of the hopper body, and means connected with said plates for swinging the latter about their hinges as and for the purpose specified.

2,082,292
BRAKE COMBINATION FOR DUAL TRAILER WHEELS AND WHEEL CONSTRUCTION
George A. Kendall, Windsor, Ontario, Canada
Application January 9, 1933, Serial No. 650,821
4 Claims. (Cl. 188—2)



1. In combination, an axle, inboard and outboard wheels rotatably mounted on the axle, a brake for each wheel, and means accessible at the inboard side of the inboard wheel for operating the brakes and including means extending axially through a recess in the axle for operating the brake for the outboard wheel, said last means being operable through movement thereof axially of the axle.

2,082,293
CARBURETOR
Torbjorn Linga, Kokomo, Ind.
Application June 12, 1935, Serial No. 26,187
17 Claims. (Cl. 261—34)



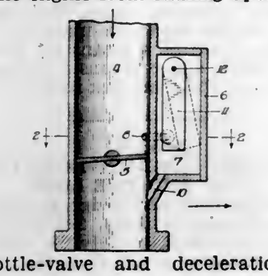
2. In a carburetor having a main induction-passage, the combination of a fuel chamber, means to feed fuel into said chamber, means to deliver fuel from said chamber into said induction-passage, an unbalanced air-admission valve for said passage mounted to turn about an off-center axis, the larger of the two sections of said valve at one side of said axis being curved outwardly to increase the opening effect of the atmosphere on the valve, the smaller of the two sections of said valve at the opposite side of said axis being curved inwardly to reduce the aspirating effect of the valve when it is partially open, and means restraining the opening turning of said valve.

6. In a carburetor having a Venturi-equipped main induction-passage, the combination of a fuel-chamber, means to convey fuel into said chamber, an automatically-acting air-admission valve for said induction-passage, means to restrain the opening action of said valve, a conduit for the delivery of fuel from said chamber, a fuel-valve in said conduit, means to increase the suction of said venturi and to withdraw fuel by said increased suction from said chamber through said conduit and to deliver it into said induction-passage, means to apply a lesser increased suction to the interior of said fuel-chamber above the liquid-level therein to draw fuel into said chamber through said conveying means, means connecting said air-admission and fuel valves whereby they open and close conjointly, and means actuated coincidentally with the movements of said air-admission valve to bleed air into said fuel-chamber in predetermined quantity varying with the position of said air-admission valve to maintain a suitable fuel-feeding head.

2,082,294
CARBURETOR
Torbjorn Linga, Kokomo, Ind.
Application October 8, 1936, Serial No. 104,661
4 Claims. (Cl. 277—54)

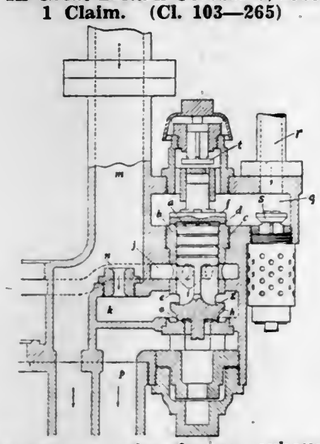
1. In a carburetor for an internal-combustion engine of a vehicle, the combination of an induction-passage, a throttle-valve for said passage, and means, actuated by inertia, to automatically temporarily supply to the engine a

sufficiently increased quantity of fuel-mixture to prevent the engine from stalling upon closure of



the throttle-valve and deceleration of the vehicle.

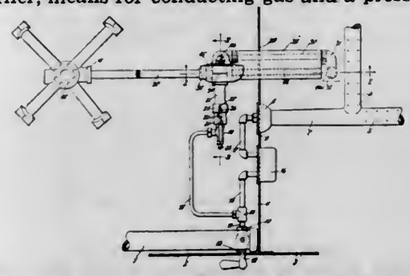
2,082,295
EXHAUST STEAM INJECTOR
Richard David Metcalfe and James Croxon Metcalfe, Romiley, England, assignors to Davies & Metcalfe Limited, Romiley, England, a British company
Application September 4, 1936, Serial No. 99,500
In Great Britain October 5, 1935
1 Claim. (Cl. 103—265)



A change-over valve for an exhaust steam injector having its piston portion movable within a ported sleeve which screws into the valve body and which provides at one end a seating for the usual check valve and at its other end a seating for the upper seating of the shuttle valve connected to the piston, such upper seating controlling the flow of throttled-down live steam through the ported sleeve to the piston which opens the exhaust steam inlet valve of the injector.

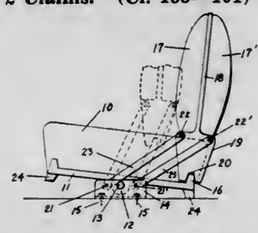
2,082,296
IGNITION DEVICE FOR GAS BURNERS
Carl E. Methudy, St. Louis, Mo., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, a corporation of Ohio
Application December 22, 1930, Serial No. 504,004
6 Claims. (Cl. 158—115)

1. A device of the character described comprising a gas burner having gas outlet openings, a gas manifold, a constantly burning pilot light device, a jet supported between said burner and said pilot light device, pipes for conducting gas to said burner and to said jet respectively, a valve controlling the passage of gas from said manifold into said pipes, a pipe for conducting gas from said jet to said pilot light device and for conducting a pressure wave of ignition from said pilot light device to said jet, an auxiliary burner supported adjacent to said first named burner, means for conducting gas and a pressure



wave of ignition of said gas from said jet to said auxiliary burner, means for conducting gas from said pipe that leads to said jet to said auxiliary burner, and means for conducting gas from said auxiliary burner to a point adjacent to said jet.

2,082,297
VEHICLE SEAT
Edwin W. Miller, Milwaukee, Wis.
Application February 28, 1936, Serial No. 66,299
2 Claims. (Cl. 155—101)

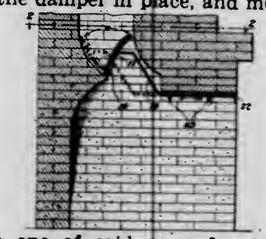


1. A vehicle seat of the character described comprising a seat cushion, a platform supporting said cushion, said platform equipped with upwardly projecting members near the four corners, a shaft pivotally supporting said platform, a pair of angular floor brackets acting as journals for the ends of said shaft, a back rest equipped with a supporting frame terminating into two side plates, said side plates being provided with receiving slots for the upwardly projecting members on said platform, a plurality of levers pivotally fastened to each of said floor brackets and side plates, said levers employed to support and guide said back rest, and downwardly projecting members fastened to the outer edges of said platform for contact with the floor.

2,082,298
DAMPER
James T. Moran, Ashburn, Va.
Application December 17, 1935, Serial No. 54,917
1 Claim. (Cl. 126—288)

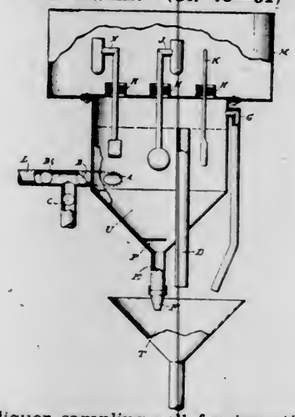
A damper for open fireplace flues and the like, comprising a shaft formed of relatively adjustable sections, an arm extending angularly from each shaft section adjacent the outer end thereof, a covering section of a fire resistant sheet material secured at one edge to each shaft section and adjacent another edge to the arm carried by the shaft section, said sheet material sections over-lapping at adjacent ends thereof, the ends of said shaft projecting beyond the outer ends of said covering for engagement in holes

formed in opposed walls of a flue to pivotally support the damper in place, and means extend-



ing from one of said arms for actuating the damper to control the draft thru the flue.

2,082,299
LIQUOR SAMPLING CELL
Gordon Nonhebel and Robert Arthur Bell, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application April 4, 1935, Serial No. 14,678
In Great Britain April 25, 1934
6 Claims. (Cl. 73—51)



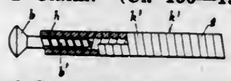
1. A liquor sampling cell for investigating the physical properties of turbid liquids comprising a circular vessel having a valved tangential liquor inlet located at a substantial distance above the bottom, an overflow located at a substantial distance above said liquor inlet, and a substantially central liquor outlet at the bottom, said vessel being of continuously diminishing cross-section between said inlet and outlet, such diminution of cross-section being adapted to prevent any appreciable amount of sediment lodging in the vessel.

2,082,300
MORTISE AND TENON JOINT LOCK
David Orenstein, New York, N. Y.
Application July 10, 1935, Serial No. 30,601
4 Claims. (Cl. 20—92)



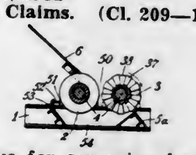
1. A mortise and tenon joint lock comprising a tenon having a V-shaped recess, members engaging the inner walls of said recess, sharp, outwardly directed angular prongs at the ends of said members, means to spread said members to drive said prongs into the material of a leg formed with a mortise, a means for holding said member in place, and a means for plugging the mortise to make the joint lock invisible from the outside.

2,082,301
HELICAL WIRE CURTAIN ROD, CLOTHESLINE, AND THE LIKE
Edna Pearson, Liversedge, England
Application October 9, 1936, Serial No. 104,898
In Great Britain July 20, 1935
1 Claim. (Cl. 156—19)



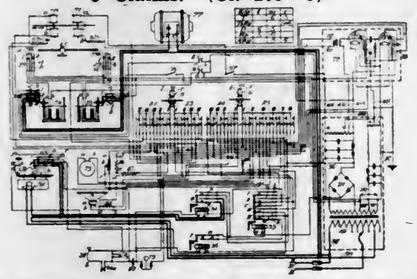
A device of the character set forth comprising a flexible body portion consisting of a strand of wire having a straight exterior face, side faces respectively extending substantially at right angles to said exterior face and parallel to each other and a tapering inner face, said wire being in the form of a helix with the straight exterior face of the strand disposed outward and forming a composite cylindrical face, with the adjacent side edges of the adjacent helices substantially in engagement for substantially their full areas and with the tapering inner face forming a continuous curvilinear thread, in combination with connecting means having screw-threaded shanks respectively engaging in the respective end portions of the said curvilinear thread formed in interior of the body portion by the tapering inner face of the wire strand.

2,082,302
SCREENING APPARATUS
William Ross, Surbiton, England
Continuation of application Serial No. 525,775, March 27, 1931. This application June 14, 1935, Serial No. 26,673. In Great Britain February 26, 1931
4 Claims. (Cl. 209—101)



4. Apparatus for screening hard unbreakable material, such as coal, stone and rock material, comprising in combination a pair of screening elements spaced apart in parallel relationship to form a screening aperture only between them (the two screening elements having no screening effect as regards any other screening aperture), means for feeding the material to the screening aperture in a direction transverse to the longitudinal axes of the screening elements, the one said element nearest the feed side, and with which the material to be screened engages first, having a smooth surface which is steeply inclined downwardly with respect to the screening aperture and extends for a substantial distance below the aperture and the other said element being constituted by a roller rotated in a direction whereby the portion thereof presented to said screening aperture moves upwardly, and ribs extending throughout the entire length of said roller and spaced circumferentially thereof which subject over size pieces of material lying at any point within said aperture to a series of upward jerking movements.

2,082,303
TELEPHONE SYSTEM FOR RECORDING AND REPRODUCING TRANSMISSIONS
Alfred Walter Schiller, Zurich, Switzerland, assignor to Otto Jaeger, Zurich, Switzerland
Application December 13, 1934, Serial No. 757,415
In Switzerland September 29, 1934
6 Claims. (Cl. 179—6)

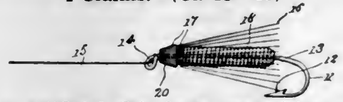


1. Sound recording and reproducing means, including a magnetic sound translator, a driving motor combined with said sound translator, actuating means coupled to said motor, a sound record carrier wire advanced and returned through said sound translator by said motor by aid of said actuating means; means including a first signal lamp adapted for indicating the operated condition of said driving motor and means including a second signal lamp for indicating that said sound record carrier wire has completed a passage through said sound translator.

2,082,304
MANUFACTURE OF RUBBER PRODUCTS
Martinus Joännes Stam, The Hague, Netherlands
No Drawing. Application December 10, 1934, Serial No. 756,895
8 Claims. (Cl. 106—23)

1. Manufacture of rubber products, comprising mixing dry rubber dust of a particle size of less than 75μ with dry compounding ingredients of similar size and a vulcanizing agent, plastifying the mixture by compressing and vulcanizing.

2,082,305
FISH LURE
Leroy W. Strong, Billings, Mont.
Application January 7, 1936, Serial No. 57,969
4 Claims. (Cl. 43—48)

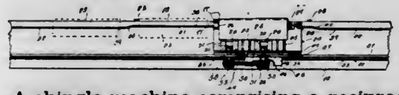


1. An artificial fish lure, comprising a fishhook having a shank portion with a barb at one end and an eye at the other end, hackles having their inner end portions lying against the said shank of the hook, a binding thread wound about the said shank and the inner end portions of said hackles to secure the latter to the shank, braided raffia having its inner end portion disposed beneath the winding of the thread and along the shank, said binding thread being wound back upon itself over the inner end portion of the braid to secure the same to said shank, the free end portion of said braided raffia being wound about the shank and over the winding of the binding thread and having several reduced turns about the shank near the hook eye, said binding thread being wrapped several turns tightly about the reduced turns of the braided raffia to provide a tapering shoulder, the outer end portions of the hackles being bent back over the tapering shoulder to flare the hackles backwardly about the body of the lure, and an outer binding thread wound over the bent portion of the hackles to hold the same in position on the tapering shoulder and simulating an insect head.

2,082,306
NITROGENOUS CONDENSATION PRODUCTS AND PROCESS OF MAKING SAME
Theodor Sutter, Basel, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 18, 1934, Serial No. 726,414. In Switzerland May 24, 1933
8 Claims. (Cl. 260—2)

8. A process for the manufacture of potentially reactive nitrogenous condensation products, which have softening points substantially below 40° C. and are soluble in low boiling solvents, from aromatic amines and compounds of the formula ROR_1 wherein R stands for a member of the group consisting of H, alkyl, hydroxyalkyl and polyhydroxyalkyl and wherein R_1 stands for an aromatic residue which contains more than 1 radical of the formula CH_2X, wherein X stands for a member of the group consisting of OH and Cl, the C being attached directly to an aromatic carbon, said process comprising condensing said amines and compounds in the presence of a diluent in the proportion of about one mol. of amine for each phenolic nucleus, and interrupting the condensation when a sample of the mass indicates a diminution of solubility in the desired low boiling solvent.

2,082,307
SHINGLE MAKING MACHINE
James N. Thomas, Garberville, Calif.
Application December 19, 1935, Serial No. 55,273
8 Claims. (Cl. 143—8)

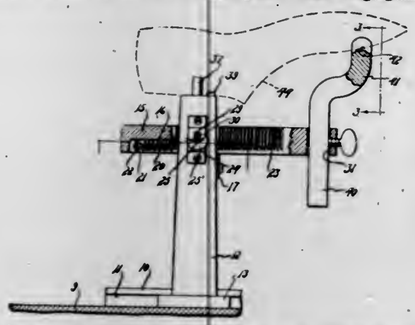


1. A shingle machine comprising a reciprocating carriage for a bolt, a knife, a saw equidistantly disposed at each side of the knife, the knife and saws being positioned along the path of movement of the carriage, and means to tilt the carriage relative to the knife and to each saw before engagement of the bolt therewith to alternately split a shingle and saw a shingle from the bolt in one direction of reciprocation of said carriage.

2,082,308
LAST SUPPORT
Arthur F. Totz, Detroit, Mich.
Application October 3, 1935, Serial No. 43,290
5 Claims. (Cl. 12—127)

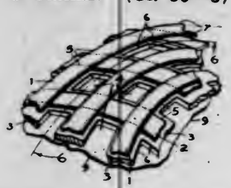
1. A last support of the class described, comprising: a supporting standard having a passage formed therethrough, adjacent its upper end; a supporting arm slidably projected through said passage; a spring connected to said arm and to said standard for normally resisting slidable movement of said arm relatively to said standard in one direction; teeth carried by said arm; a ratchet pawl mounted on said standard and projectable into engagement with said teeth for locking said arm against slidable movement relative to said standard, said

plunger being retractable; a spring for normally tending to force said pawl into engagement



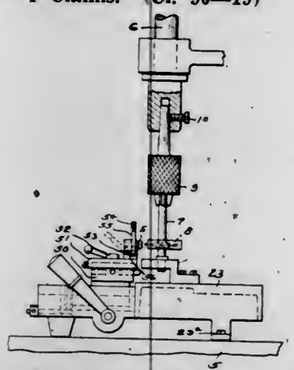
with said teeth and resisting the retraction of the same and a shoe engaging member carried by said arm and positioned upwardly thereof.

2,082,309
SHOE UPPER
Abraham Turiansky, New York, N. Y.
Application December 2, 1936, Serial No. 113,757
3 Claims. (Cl. 36—3)



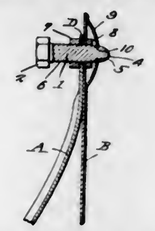
1. In a shoe upper, a backing, strips and cross strips, said backing being apertured at a substantially reduced size as compared to the distance between said strips, the margins of said apertures being revealed between said strips, said strips being stitched to each other and to said backing.

2,082,310
ATTACHMENT FOR DRILL PRESSES
Clarence Turnepseed, Springfield, Ohio, assignor of one-fourth to Frank G. Campbell, Arlington County, Va.
Original application July 25, 1934, Serial No. 736,922. Divided and this application January 28, 1935, Serial No. 3,855
4 Claims. (Cl. 90—19)



1. The combination with the conventional vertical type drill press comprising its rotative spindle and supporting table, of a shaft and means for engaging the shaft with the spindle in such manner as to drive the shaft from the spindle, a tool carried by the shaft having a peripheral cutting edge, a slide supported upon the drill table, and means carried by the slide for firmly gripping and holding stock to be worked upon, the said slide being provided with means for advancing it toward the said tool.

2,082,311
FASTENER FOR LICENSE PLATES
Cornelius Francis Van Blankensteyn, Lansing, Mich.
Application July 9, 1935, Serial No. 30,557
1 Claim. (Cl. 40—125)



The combination with a license plate and a support therefor, of a fastener comprising a threaded bolt extending through the support and plate and having a tapered end and a head at its other end, there being an annular groove adjacent to its tapered end, nuts adjustably mounted on the bolt between the groove and head and with the plate and support therebetween, said nuts binding together the plate and support, and a frangible concavo-convex sealing cap seated at its center in the groove and bearing at its margin upon the license plate, said plate and cap cooperating to house one of the nuts, said cap being provided with radial slits extending from the bolt receiving opening and defining an annular series of segmental portions.

2,082,312
MANUFACTURED ARTICLE OF FOOD OR CONFECTIONERY AND IN COMBINATIONS OF THE SAME WITH COVERINGS
John William Todd, East London, Union of South Africa
Application June 18, 1936, Serial No. 86,001
In Great Britain July 11, 1935
2 Claims. (Cl. 99—138)



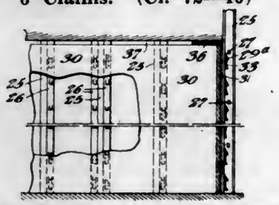
1. An essentially fatty chocolate confection which, as an entirety, has a melting point in the neighborhood of 90° F., and which, as an entirety, is self-sustaining at normal atmospheric temperatures said confection having substantially uniformly distributed therethrough numerous separate readily visible non-communicating cavities enclosed by relatively thin non-splinterable walls which offer minimum resistance to cleavage and quickly collapse under melting heat.

2,082,313
PROCESS FOR MANUFACTURING ARTICLES OF FOOD OR CONFECTIONERY
John William Todd, East London, Union of South Africa
Application June 18, 1936, Serial No. 86,002
In Great Britain July 11, 1935
4 Claims. (Cl. 99—138)



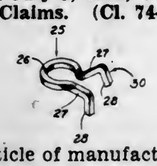
1. The method of treating an essentially fatty non-extensible confection composition which as an entirety has a melting temperature in the neighborhood of 90° F. which consists in subjecting the composition to a temperature above its melting temperature to render it fluid, introducing into and distributing under pressure throughout the composition while in its fluid state, parts of an agent selected from the class consisting of an expansible gas and expansible gas forming substances, lowering the external pressure, while the composition is still fluid, to cause the parts of said agent to expand without breaking through the surface of the fluid composition and to impart thereto a puffed cellular form, and subsequently maintaining the lowered pressure on the composition, while subjecting the same to a temperature below its melting temperature to cause it to set in its puffed cellular form.

2,082,314
BUILDING CONSTRUCTION
Frederick M. Venzie, Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware
Application April 8, 1933, Serial No. 665,048
6 Claims. (Cl. 72—46)



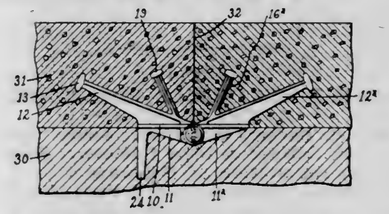
1. In a building construction, studs, a plurality of abutting panels, means for connecting said panels to said studs whereby they may move laterally in the plane of the wall, and resilient means adjacent the end of one of said panels for maintaining said panels in abutting relationship.

2,082,315
LOCKING DEVICE FOR PINS
Ernest R. Williams, Bell, Calif., assignor to Southern Chain Company, Bell, Calif., a corporation of California
Application July 9, 1935, Serial No. 30,493
9 Claims. (Cl. 74—254)



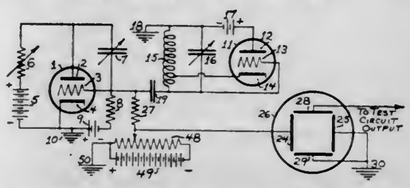
6. A new article of manufacture comprising an arcuate bight part, arms extending from the ends of said part, one of said arms resting in the plane of said part and the other extending at an angle to the plane of said part, and prongs extending at substantially right angles to the plane of said arms.

2,082,316
ROAD TIE OR SUPPORT
Rolland G. Williams, Branford, Conn., assignor to Malleable Iron Fittings Company, Branford, Conn., a corporation of Connecticut
Application November 3, 1934, Serial No. 751,329
6 Claims. (Cl. 94—18)



1. A road tie or support comprising a pair of hinged members, each of said members being adapted to be secured to one of two adjacent sections of a road bed, with the hinge between said members lying substantially in the plane of the joint between the sections and disposed substantially at the bases of the sections.

2,082,317
ELECTRICAL APPARATUS
Alfred W. Barber, Flushing, N. Y.
Application May 2, 1935, Serial No. 19,366
18 Claims. (Cl. 250—20)

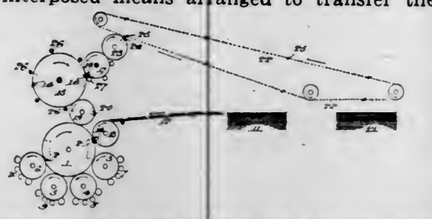


1. The method of controlling the position of a cathode ray tube beam and the frequency of a vacuum tube oscillator as a function of a common control voltage which comprises applying said common control voltage to beam control means of said cathode ray tube and applying said common control voltage to gain control means of a second vacuum tube and utilizing the effective input capacity of said second vacuum tube as at least a part of the frequency determining means of said vacuum tube oscillator.

2,082,318
SHEET FED MULTICOLOR ROTARY PRINTING PRESS
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application September 17, 1935, Serial No. 40,877
4 Claims. (Cl. 101—174)

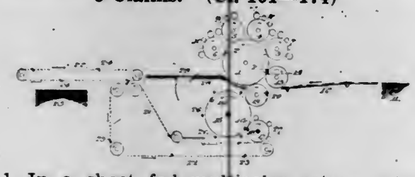
1. In a sheet fed multicolor rotary printing press, an impression cylinder, form cylinders, inking mechanisms, means for feeding sheets to the impression cylinder, a heating cylinder, a cooling cylinder, a separate interposed means arranged to transfer the sheets from the impression cylinder to the heating cylinder, a sheet

delivery carrier traveling in an endless path, and an interposed means arranged to transfer the



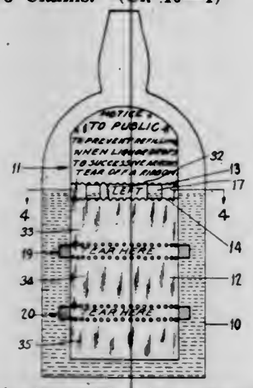
sheets from the cooling cylinder to the traveling endless carrier.

2,082,319
SHEET FED MULTICOLOR ROTARY PRINTING PRESS
Howard M. Barber, Paweatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application September 17, 1935, Serial No. 40,878
5 Claims. (Cl. 101—174)



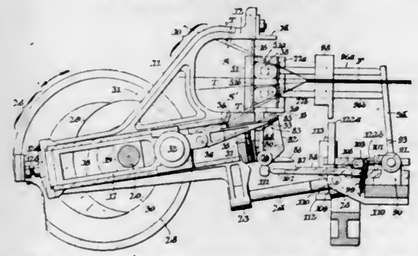
1. In a sheet fed multicolor rotary printing press, an impression cylinder, form cylinders, inking mechanisms, means for feeding sheets to the impression cylinder from a source of sheet supply at one side thereof, a heating cylinder, a cooling cylinder, an interposed means separate from the cooling cylinder arranged to transfer the sheets from the impression cylinder to the heating cylinder, and coacting sheet delivery carriers traveling in endless paths and arranged to deliver the sheets to a predetermined point at the opposite side from the source of sheet supply.

2,082,320
VISUAL CONTENT INDICATOR
Adolph Berman, New York, N. Y.
Application March 10, 1936, Serial No. 68,057
3 Claims. (Cl. 40—4)



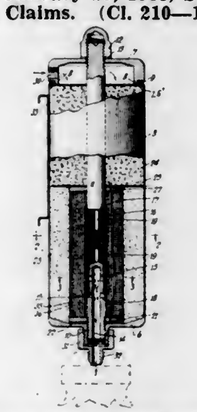
2. In combination with a transparent bottle, a two-ply label having a series of level-indicators in its outer ply and removable therefrom, said level-indicators being positioned at regular spaced intervals extending from a level at the top of the bottle to a level at the bottom of the bottle, said level-indicators being of narrow strip formation, said label having portions intermediate said level-indicator strips which remain intact on said bottle after said level-indicator strips are removed, each of said level-indicator strips being integrally connected with said label but wholly unattached all along its length to said bottle and including both end portions of said strips, the rear ply portions behind said strips having indicia portions and window portions which are normally concealed by said front ply.

2,082,321
LOOM
Whitworth F. Bird, Springfield, and William R. Hewton, Philadelphia, Pa., assignors to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application April 14, 1934, Serial No. 720,540
16 Claims. (Cl. 139—345)



1. In a loom, a reciprocating lay, a rotary actuating cam for the lay; a follower engaging the rotary cam; a shuttle; a slidable releasable latch means normally locking the lay to the follower engaging the rotary cam; and means operative in the event of failure of the shuttle to clear the reed of the lay, to automatically release the latch means and thereby disconnect the lay operatively from the cam follower while in the retracted position.

2,082,322
WATER PURIFIER AND FILTER
Alfred H. Brundage, Maplewood, N. J.
Application January 29, 1935, Serial No. 3,929
2 Claims. (Cl. 210—134)



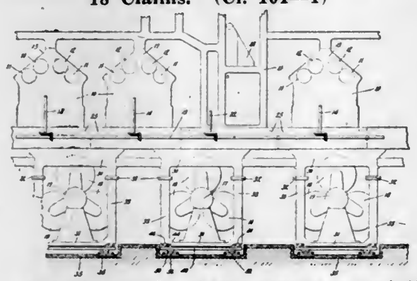
1. As an article of manufacture, for use in filters, a central core, and means wound tightly on said core in spiral fashion comprising fibrous material of the character of cotton wadding, said wadding being overlaid with a continuous strip of textile mesh material lying between successive layers of the wadding, and said wadding being compressed adjacent said core from a normal thickness in the order of one-quarter of an inch to a thickness which said wadding has when about four yards of it are wound upon a core of three-quarter inch diameter with the outside diameter of the wadding in the order of two and one-quarter inches.

2,082,323
METHOD OF FORMING RECEPTACLES
Raymond L. Bussey, New York, N. Y., assignor to Coating Machinery Corporation, New York, N. Y., a corporation of New York
Application May 22, 1934, Serial No. 726,936
Renewed November 3, 1936
12 Claims. (Cl. 93—39)



1. The method of making a paper container which comprises coating a blank and closure on one entire surface with a composition, allowing the composition to become dry, forming the blank into a tube with the coating inside, and with the edges overlapping, securing said overlapping edges with the coating by application of heat and pressure, inserting a flanged closure in each end of the tube, securing and sealing them in place with the same coating by the application of heat and pressure.

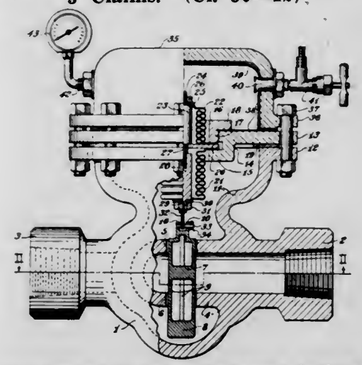
2,082,324
PRINTING PRESS
Curtis S. Crafts, Oak Park, Ill., and Stanley D. Livingston, Freeport, N. Y., assignors to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application August 24, 1935, Serial No. 37,614
18 Claims. (Cl. 101—1)



1. A high speed rotary newspaper printing press unit installation including in combination a rotary perfecting newspaper couple, side frames mounted, a press foundation, and relatively long springs bars on which the side frames are supported on the foundation.

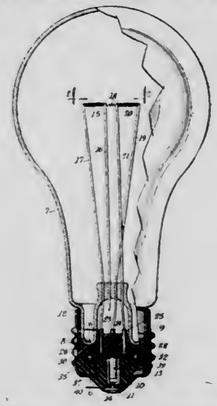
9. A vibration-isolating mounting for printing presses including in combination a relatively long spring, means for pivotally supporting a press frame adjacent to the spring ends and means in which the cylinders of the couple are rotatably adjacent to the first means for pivotally supporting the spring on a foundation.

2,082,325
VALVE
Frank H. Cross, Cleveland, Ohio
Application July 27, 1935, Serial No. 33,538
3 Claims. (Cl. 50—12)



1. Two generally cupped shaped bellows having their open ends adjacent each other, a centrally perforated disc-like plate between said bellows, means sealing the edges of said bellows to the sides of said plate, a rigid bar extending through the perforation of the plate and clamped and sealed to both bellows, said bar having projections arranged to contact said plate and spaced apart a distance greater than the thickness of the plate.

2,082,326
ELECTRIC LAMP
Jasper Dulberg, Astoria, N. Y., assignor of two-thirtieths to Benjamin Provisor, Brooklyn, N. Y., three-thirtieths to Joel S. Freeman, Brooklyn, N. Y., and one-third to Philip S. McLean, Bloomfield, N. J.
Application August 12, 1935, Serial No. 35,733
5 Claims. (Cl. 176—27)



1. An electric lamp comprising a two-part lamp base, means connecting said base parts in freely rotatable relation, a lamp globe carried by one of said base parts, a plurality of filaments in said lamp globe, the other of said base parts being a terminal part and carrying screw shell

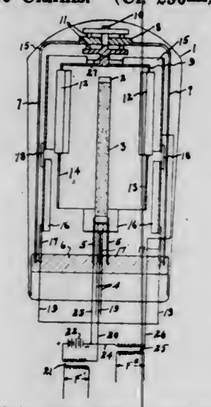
and center lamp terminals, two relatively spaced contacts on said terminal part spaced the same distance from the center of said terminal part and connected one to said screw shell terminal and the other to said center lamp terminal, and concentrically arranged similarly spaced filament terminals on said relatively rotatable globe carrying base part in position to engage said spaced contacts on said terminal part.

2,082,327

CURRENT GENERATOR AND CONVERTER

Allen B. Du Mont, Upper Montclair, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Upper Montclair, N. J., a corporation of Delaware

Application March 25, 1935, Serial No. 12,852
10 Claims. (Cl. 250—27.5)



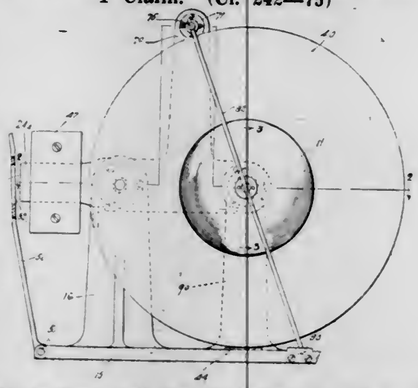
1. An electric converter including a rotor, a cathode, a pair of anodes cooperating with said rotor and cathode, one of said anodes serving to control the rotation of said rotor, the other anode serving to control the conversion of electric currents.

2,082,328

TENSION DEVICE FOR FILM REEL

Harris N. Ensign, Los Angeles, and Harry A. Hanson, West Los Angeles, Calif., assignors to Paramount Productions, Inc., Los Angeles, Calif., a corporation of Delaware

Application May 9, 1936, Serial No. 78,882
1 Claim. (Cl. 242—75)



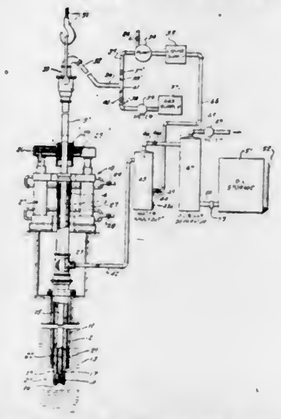
In a device of the character described, the combination of a support, a swinging arm horizontally pivoted on said support, a horizontal shaft journalled at one end in the swinging end of said arm, a friction disc rigidly mounted on said shaft adjacent said arm, a film hub on said shaft outside said disc adapted to receive a film roll, a supporting surface below said disc adapted to be frictionally engaged by the periphery of the disc and to support the disc in a position with the swinging arm in a substantially horizontally extending position, a counterbalance for said swinging arm designed to counterbalance a portion of the weight of said arm and film roll carried thereby, and releasable means for supporting the swinging arm in a position in which the friction disc clears the supporting surface.

2,082,329

METHOD OF DRILLING AND SIMULTANEOUSLY EXPLORING OIL WELLS AND THE LIKE

Edwin V. Foran, Texon, Stanley S. Parker, Houston, and James Gordon Bird, Andrews, Tex., assignors to Hydril Company, Los Angeles County, Calif., a corporation of California

Application July 2, 1935, Serial No. 29,512
12 Claims. (Cl. 255—24)



1. The method of drilling a well through given formation that comprises actuating a cutter on a hollow drill stem having an outlet near its lower end, the cutter being adapted to operatively engage the formation, aerating a liquid at the top of the well and independently of formation gases and, simultaneously with said actuation, circulating said aerated liquid downwardly through the stem bore, through said outlet to the well bore and thence upwardly about the drill stem to the top of the well, said liquid in its downward course, being substantially free of solids.

2,082,330

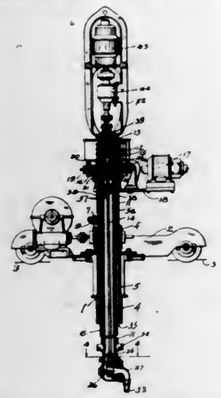
HYDRAULIC GUN

Charles F. Frede and Karl S. Howard, St. Louis, Mo., assignors to Commonwealth Steel Company, Granite City, Ill., a corporation of New Jersey

Application April 18, 1928, Serial No. 271,094
19 Claims. (Cl. 299—57)

6. A hydraulic machine comprising a pipe, means for admitting water into said pipe, a nozzle for conducting water from said pipe, means for supporting said nozzle for turning movements about an axis at an angle with respect to the axis of said pipe, a shaft supported in said pipe,

mechanism for rotating said shaft, gearing for rotating said nozzle by said shaft, and mechanism for rotating said pipe irrespective of whether said shaft is being rotated or not.



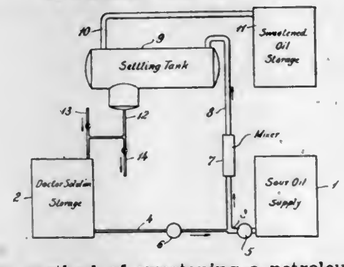
13. A hydraulic machine comprising a longitudinally movable support, means for supporting and guiding said support in its longitudinal movements, a pipe mounted for rotation in said support and for longitudinal movements thereby, mechanism for moving said support longitudinally, a motor supported by and movable with said support, and gearing operated by said motor for rotating said pipe.

2,082,331

METHOD OF SWEETENING A HYDROCARBON OIL

Frank Gardner, Dallas, Tex.

Application February 9, 1934, Serial No. 710,538
10 Claims. (Cl. 196—33)



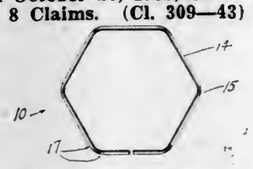
1. The method of sweetening a petroleum oil which comprises mixing the oil with an aqueous alkaline plumbate solution at a temperature below about 120° F.

2,082,332

PISTON RING SPRING

Anthony Guerriero, Brooklyn, N. Y.

Application October 20, 1936, Serial No. 106,512
8 Claims. (Cl. 309—43)



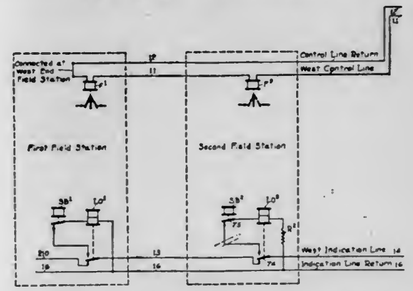
1. A piston ring spring adapted to expand and axially move a piston ring, including a strip of resilient material of polygonal form having side and corner portions correspondingly inclined to the axis of the spring, said corner portions being curved and the side portions tangentially merging into the corner portions.

2,082,333

CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

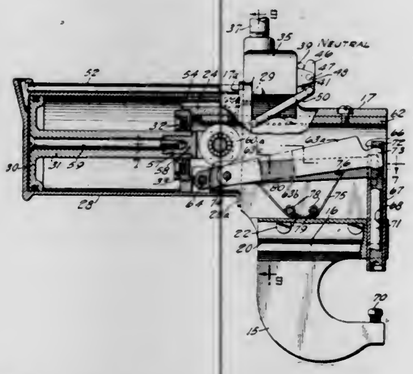
William D. Hailes, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application October 27, 1934, Serial No. 750,295
14 Claims. (Cl. 177—353)



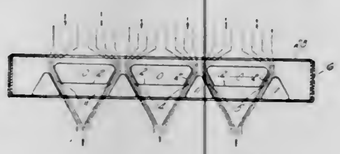
13. In a remote control system, a control office, a plurality of field stations divided into a plurality of groups, a separate control line circuit for connecting each of said groups to said office, a separate indication line circuit connecting each of said groups to said office, an office code transmitter for transmitting impulses to the stations of each group over the respective line circuit for that group when associated therewith, an office code receiver, manually controlled initiating means associated with each of said groups of stations respectively for initiating said office code transmitter into operation, automatically controlled initiating means associated with each of said groups of stations respectively for initiating said office code transmitter into operation, grouping means for selectively associating said office code transmitter with said control line circuits and for associating the corresponding indication line circuit with said office code receiver, means at said office for selectively modifying the impulses transmitted by said office code transmitter to send control messages to a selected one of said stations of the group with which said office transmitter is then associated, a station code transmitter at each of said stations, means controlled by each of said station transmitters at each of said stations for transmitting messages from said station to said office over its indication line circuit when rendered effective, means rendering a station transmitter effective only when the control line for that station receives impulses from the office transmitter, means controlled by said manual and automatic initiating means for acting on said grouping means to give a predetermined priority between said groups of stations for transmitting control and indication messages when said office transmitter is initiated into operation, and means giving a predetermined priority between said station transmitters in any one group for transmitting indication messages over said indication line circuit when said control and indication line circuits for that group are associated with said office code transmitter and said office code receiver respectively by said grouping means.

2,082,334
COMPRESSION RIVETING OR PUNCHING DEVICE
George T. Harcourt, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application March 30, 1935, Serial No. 13,842
15 Claims. (Cl. 74—110)



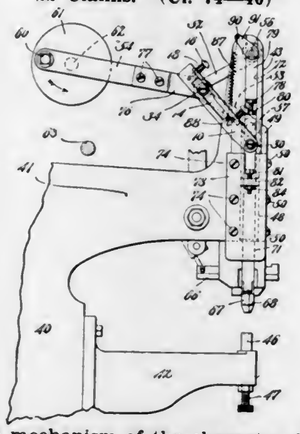
1. A mechanical movement comprising a power operated piston, a frame having a track extending parallel to the piston, one or more rollers carried by the piston and engaging the track, a power plunger extending at right angles to the axis of the piston, a lever pivotally supported in the frame and operatively connected at one end with the power plunger, and a roller carried by the piston adapted to roll over the lever and cooperate with the track to form a wedge for forcing the lever and power plunger away from the track.

2,082,335
CONTROL REGISTER FOR AIR CONDITIONING APPARATUS
Stanley Hart, Berlin, Conn., assignor to Tuttle & Bailey, Inc., New Britain, Conn., a corporation of Connecticut
Application June 28, 1934, Serial No. 732,758
4 Claims. (Cl. 98—101)



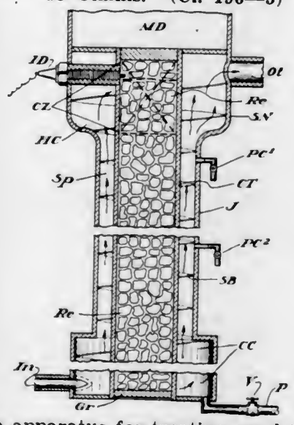
1. In a control register of the character described, a register having a front face and a set of laterally spaced members rearwardly thereof, a second set of relatively adjustable members respectively located between the members of the first set and positioned generally in side by side spaced alternating relation to the members of said first mentioned set and rearwardly of said face and forming a plurality of pairs of slots, the slots of each pair being spaced apart by one of said adjustable members and converging towards each other as they progress towards the front of the register so as to cause the streams of air to meet along lines spaced in advance of the front face of the register.

2,082,336
MECHANISM FOR TRANSMITTING MOTION
Arthur R. Havener, Wayland, Mass., assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass., a corporation of Massachusetts
Application February 26, 1935, Serial No. 8,308
22 Claims. (Cl. 74—40)



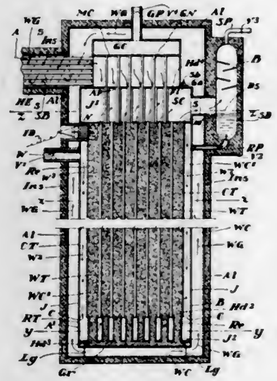
1. In a mechanism of the character described, a link having a longitudinal slot, one side of which is formed with two straight parallel edges in offset relation to each other to divide said slot into two longitudinal portions of different widths, said parallel edges being connected together by an oblique edge which serves as a shoulder and said side edge being so mounted as to yield to widen the narrower portion of said slot when sufficient pressure is exerted on said shoulder.

2,082,337
HEATING APPARATUS FOR BREAKING DOWN EMULSIONS
Joseph W. Hays, Tulsa, Okla.
Application March 20, 1933, Serial No. 661,838
13 Claims. (Cl. 196—5)



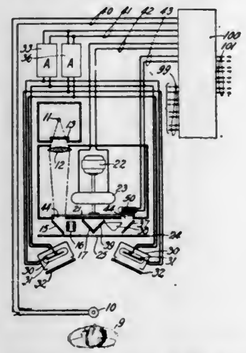
11. An apparatus for treating emulsions, comprising an elongated chamber, means for producing radiant heat by combustion in the upper part of said chamber, a surrounding chamber through which the emulsion to be treated is circulated, an inlet into said surrounding chamber at its lower end and an outlet from said chamber near its upper end.

2,082,338
PROCESS FOR THE VERY RAPID HEATING OF FLUIDS
Joseph W. Hays, Tulsa, Okla.
Application April 13, 1933, Serial No. 665,997
3 Claims. (Cl. 122—367)



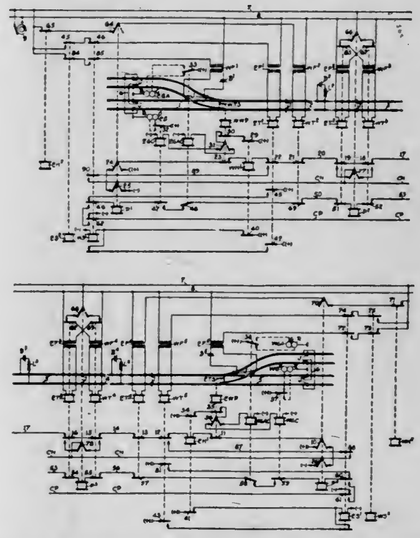
1. The process of vaporizing a liquid which comprises first flowing the same in an annular stream and in a downward direction while exposed on one side to the heat of an upward flowing stream of waste gases and on the other side to the downward or parallel flow of heat in a high temperature zone, second breaking the said stream into a multiplicity of small streams and causing the latter to flow upwards through a zone of high temperature wherein the liquid is vaporized.

2,082,339
TELEVISION SYSTEM
Herbert E. Ives, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 2, 1927, Serial No. 171,962
20 Claims. (Cl. 178—6)



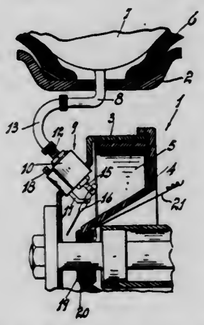
1. In an electro-optical television system, a source of light in which infra-red and ultra-violet rays predominate for illuminating an object whose image is to be transmitted, and light sensitive elements particularly responsive to infra-red and ultra-violet rays, respectively, for translating the said rays into electric current at the transmitting station, and a source of light in which luminous rays predominate, the intensity of which is controlled by said current for producing an image of the said object at the receiving station.

2,082,340
RAILWAY CAB SIGNALING SYSTEM FOR RAILROADS
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 25, 1935, Serial No. 3,488
12 Claims. (Cl. 246—33)



12. In a signaling system for railroads having a portion of single track divided into insulated track sections, polar-responsive stick relays, automatic traffic-responsive means for establishing a position of the stick relays in accordance with the direction of traffic, means applying alternating current energy to one end or the other end of each track section according to the established position of the stick relays, and means permitting entrance into one end or into the other end of the portion of single track when occupied by a train in accordance with the established position of the stick relays.

2,082,341
TIRE DEFLATION INDICATOR
Edward F. Kelley, El Paso, Tex.
Application June 22, 1934, Serial No. 731,909
2 Claims. (Cl. 200—58)



1. In a tire deflation indicator system a pressure responsive member adapted to be attached

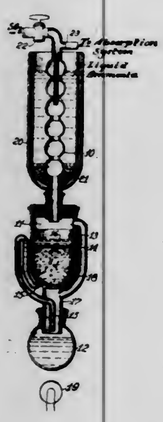
to a vehicle wheel, said member including a housing, extensible bellows in the housing, a hose connecting said bellows and a vehicle valve stem, a contact arm pivotally attached to one end of the bellows, an adjusting link, a bolt screwed into said housing, said adjusting link being swivelly attached to the bolt, said link being pivotally attached to said arm, and said arm being adapted to engage a contact.

2,082,342

PROCESS OF OBTAINING AN EFFECTIVE ERGOT PREPARATION

Morris S. Kharasch and Romeo Ralph Legault, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

Application March 17, 1934, Serial No. 716,158
4 Claims. (Cl. 87—28)



1. A process of obtaining an effective ergot preparation, which consists in extracting ergot with liquid sulphur dioxide, separating the extract so obtained from the ergot residue, and evaporating the sulphur dioxide to leave a solid.

2,082,343

PROCESS OF OBTAINING ERGOT EXTRACTS

Morris S. Kharasch and Romeo Ralph Legault, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application May 26, 1934, Serial No. 727,731
13 Claims. (Cl. 87—28)

1. The process of producing a therapeutically active extract from ergot, which consists in extracting ergot with a low-boiling non-aqueous solvent of ergot alkaloids, separating the extract so obtained from the solid residue of the initial ergot, evaporating the solvent from said extract to leave a solid residue, and extracting said last-named solid residue with water and separating the water solution so obtained from what remains.

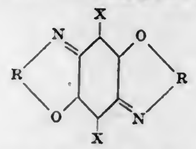
2,082,344

HIGH MOLECULAR DYESTUFFS OF THE DIOXAZINE SERIES

Georg Kränzlein, Heinrich Greune, Werner Schultheis, Frankfort-on-the-Main, and Gerhard Langbein, Hofheim-on-the-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 20, 1934, Serial No. 721,638. In Germany April 26, 1933
5 Claims. (Cl. 260—28)

1. The compounds of the group consisting of compounds of the following general formula:



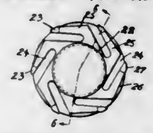
wherein X means a member of the group consisting of hydrogen, halogen, alkyl and aryl of the benzene series and the two R's mean identical three-nuclear radicals of the group of consisting of fluorene, diphenyleneoxide, diphenylenesulfide, and fluorenone, the R's being bound to the N-atoms and O-atoms of the molecule to form a six membered ring, and the sulfonic acids of these compounds.

2,082,345

EXPANSIBLE MANDREL

Emil Lässer, Zurich, Switzerland, assignor to Maag-Zahnräder und-Maschinen A.-G., Zurich, Switzerland

Application November 21, 1935, Serial No. 50,892
In Germany September 20, 1935
9 Claims. (Cl. 82—44)



1. A work-holding mandrel adapted to engage a work piece comprising a member of elastic material having a plurality of contact surfaces and separate uniform recesses intermediate said surfaces and extending therefrom and obliquely thereto to a certain depth, and thereby forming a plurality of projections; each of said contact surfaces forming an arc adapted to have blunt stationary contact with said work piece, said recesses being so spaced with regard to the elasticity of said material that the projections between said recesses are capable of bending transversely to said surfaces whereby the diameter of said mandrel is variable.

2,082,346

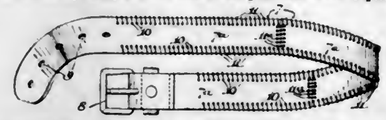
ORNAMENTAL FINISH

Jay Lavenson, Jenkintown, Pa., assignor to Pioneer Suspender Company, a corporation of Pennsylvania

Application December 31, 1935, Serial No. 56,903
1 Claim. (Cl. 41—10)

An elongated body of flexible material for personal wear, having rows of evenly spaced holes, said rows being parallel with and substantially spaced from the opposite longitudinal marginal edges of said body, and a wire coil threaded through each of said parallel rows, on opposite

sides of said body, each coil embracing so much of the body adjacent its margin as will equal ap-



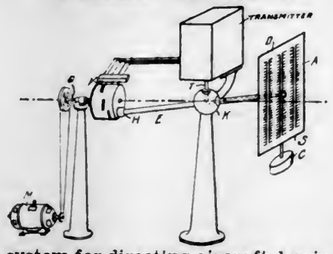
proximately the diameter of the coil, thereby forming a protective and decorative selvedge for said body.

2,082,347

RADIO DIRECTION SYSTEM

August Leib and Hans Scharlau, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application November 28, 1933, Serial No. 700,067
In Germany November 29, 1932
4 Claims. (Cl. 250—11)



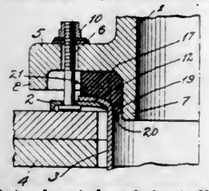
1. A system for directing aircraft, having means including a pair of antennae for directing two beams of radiation in a vertical plane, two other antennae adapted to emit energy each in a directed beam the axis of which lies in an inclined plane perpendicular to said vertical plane, and means for so modulating the energy radiated by the respective antennae that digression of an aircraft-mounted receiver from the line of intersection of the two said planes is denoted by an increased intensity of reception of the modulation which is directed toward the particular sector in which the aircraft flies.

2,082,348

CLOSET MOUNTING

Alexander Le Tarte, Bryn Mawr, N. Y., assignor to Crest Mfg. Co., Inc., a corporation of New York

Application February 16, 1935, Serial No. 6,794
3 Claims. (Cl. 285—34)



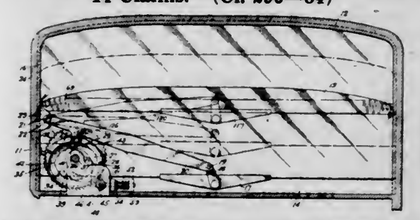
1. In a toilet closet bowl installation having a soil pipe and a closet bowl having a flange and horn, means to seal those parts comprising a ring of sponge rubber having an internal diameter adapted to be slipped over said horn and an external diameter less than the closet bowl flange, said ring having a thickness and texture adapted to initially support the bowl off the floor but effective under pressure exerted by the bowl attaching means to constitute a non-porous seal against escape of gas and moisture.

2,082,349

DOUBLE WINDSHIELD MECHANISM

Joseph Magidson, New York, N. Y.

Application July 18, 1935, Serial No. 32,046
14 Claims. (Cl. 296—84)



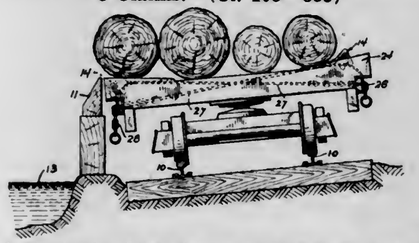
1. In a double wind shield or the like transparent closure, a pair of similar closure members, a single handle for controlling the movement of said members, and means operatively connecting the handle to said members for moving either of said members independently of the other, for also moving said members in unison, and for also setting either and both of said members at any point in the path of the movement thereof, including a pair of similar cams, and also including means disconnectable from one of said cams for rotating said cams.

2,082,350

LOGGING CAR CHOCK

Matt Markkula, Fort Bragg, Calif.

Application September 26, 1936, Serial No. 102,770
8 Claims. (Cl. 105—385)



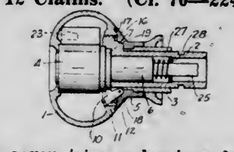
1. In a chocking device for logging cars and the like, comprising chock members adjustable transversely of the car, casings disposed at opposite edges of the car and receiving said chock members, said casings having recessed portions in their outwardly facing surfaces, and locking means for said chock members disposed within said recesses.

2,082,351

LOCK

Wallace F. Moore, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut

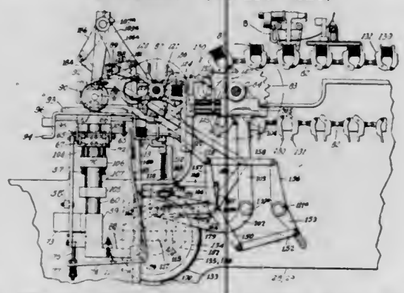
Application August 19, 1932, Serial No. 629,415
12 Claims. (Cl. 70—224)



1. A lock comprising a knob, a knob shank, a cylinder with a key plug contained within the knob, said knob and said shank being adapted to be fastened together by relative rotary movements, means for locking the shank and the knob against relative turning movements and means

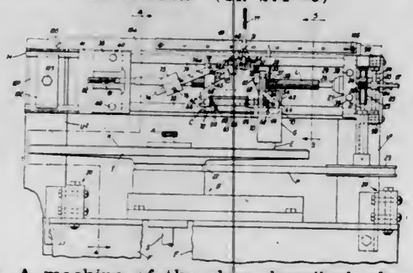
operative upon relative turning movements of the key plug and the knob for unlocking said locking means, wherein the locking means comprises a pivoted latch member, and said knob and shank are provided with slots, said latching means operating when said slots are in alinement.

2,082,352
CIGAR FEED
Joseph A. Neumair, Hollis, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application September 29, 1934, Serial No. 746,234
10 Claims. (Cl. 198—210)



1. The combination with endless belts adapted to horizontally feed a row of cigars sidewise in side by side contacting relation, of a turn-table revoluble about a vertical axis and provided with a plurality of sets of horizontal jaws at equal intervals thereon, each set being adapted to grip a cigar inserted therebetween, means for horizontally transporting the leading cigar from said row and inserting it into the set of jaws then at the receiving station of said turn-table, mechanism for periodically turning said turn-table about its vertical axis through a fraction of one revolution to carry the gripped cigar to the discharging station of the turn-table and a device for ejecting the gripped cigar horizontally from the set of jaws at the discharging station of the turn-table.

2,082,353
PHONOGRAPH
Barton A. Proctor, Larchmont, N. Y., assignor to B. A. Proctor Company, Inc., New York, N. Y., a corporation of New York
Application November 20, 1935, Serial No. 50,703
12 Claims. (Cl. 274—9)

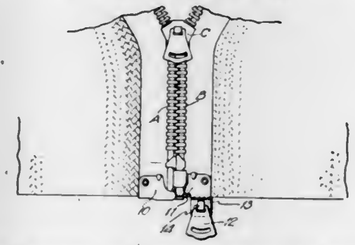


1. A machine of the class described, characterized by a rotating table for a record blank, a supporting frame therefor, a bridge extending from said frame over said table, rails and a feed-screw mounted on said bridge, and a carriage running on said rails and adapted to be actuated by said feed-screw to traverse said table in combination with an operating instrument, and means to rotate said table and to cause traversing movement of said carriage at a predetermined speed ratio; said machine being further characterized by having said carriage mounted upon said rails with a three-point rolling engagement adapted to compensate for non-parallelism of said rails and thereby to promote steady engagement of said operating instrument with said record member, said three-point contact being effected by providing a pair of said contact members disposed on opposite sides of one of said rails and each biased yieldingly toward said rail.

2,082,354
METHOD FOR MAKING SINTERED SHAPED BODIES
Reinhold Reichmann, Berlin, Germany, assignor, by mesne assignments, to The American Cutting Alloys, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 4, 1934, Serial No. 742,633. In Germany September 6, 1933
7 Claims. (Cl. 75—137)

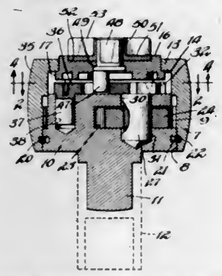
1. The method of manufacturing dense and mechanical wear resisting shaped bodies consisting of hard and highly wear resisting compound or compounds, other than oxides, melting above about 2000° C. as essential constituent and up to about 20% cementing metal melting above about 1300° C., as remainder comprising the successive steps of mixing said compound or compounds and said metal in finely divided form with a liquid so as to form a liquid suspension, casting said suspension into a mould of desired shape capable of absorbing said admixed liquid, permitting said mould to absorb said admixed liquid from adjacent layers of said suspension to a desired depth, thereby rendering said layers coherent and of desired shape, and subjecting said coherent layers to heat treatment up to high sintering temperature, thereby driving off any remains of said admixed liquid and ultimately forming a dense body.

2,082,355
SLIDE FASTENER
Philip Reiss, Brooklyn, N. Y.
Application April 3, 1935, Serial No. 14,418
1 Claim. (Cl. 24—205)



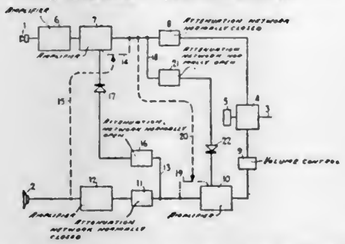
In a fastener of the type described including a pair of interlocking stringers adapted to be entirely separated from each other, and a traveler for connecting and disconnecting said stringers, a manipulating member secured to one of said stringers, said manipulating member comprising in combination, a main body portion for receiving and embracing the end of one of said stringers, an extension projecting at right angles from the main body portion of the manipulating member, said extension lying wholly beyond the end of the stringer to which it is attached, an eye member carried by said extension, and a manipulating element pivotally mounted in said eye member and depending therefrom beyond the end of the extension.

2,082,356
RATCHET WRENCH
Theodore O. Rueb, Chicago, Ill., assignor to The Sherman-Klove Company, Chicago, Ill., a corporation of Illinois
Application July 13, 1936, Serial No. 90,272
7 Claims. (Cl. 81—63)



1. A ratchet wrench having a cylinder with an annular series of teeth therein, a work engaging head rotatively mounted in the cylinder, a double ended pawl mounted in said head and coacting with said cylinder, means for adjusting the pawl to different positions, including an axis for the pawl, a cam secured to the axis, a U-shaped spring pivoted at one end thereof to the head and having its free ends opposed to the cam and adapted to actuate the same, and means for swinging the spring and holding it in adjusted positions whereby the ends of the pawl will be brought into operative positions.

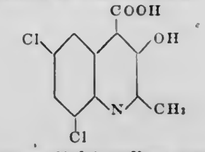
2,082,357
TELEPHONE SYSTEM
Leonard Ernest Ryall, Eastcote, Ruislip, England
Application November 9, 1934, Serial No. 752,296
In Great Britain November 14, 1933
9 Claims. (Cl. 179—170)



9. In an alternating current signalling system having a plurality of signal paths, the combination comprising at least two attenuation networks arranged in the signal paths, each of said networks having a control circuit the voltage applied to which controls the attenuation of the network, a bridge circuit, the control circuits of said networks being connected in series in a diagonal circuit extending between a pair of opposite corners of the bridge, at least one connection between an intermediate point of said diagonal circuit and the potential of some point of the bridge, said connection serving to bias said networks differently, and means for unbalancing said bridge circuit in response to signals in at least one of the signal paths.

2,082,358
2-METHYL-3-HYDROXYQUINOLINE-4-CARBOXYLIC ACIDS AND A PROCESS OF PREPARING THEM
Hans Schlichenmaier, Kelkheim in Taunus, and Ludwig Schörnig, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 11, 1935, Serial No. 1,446. In Germany January 19, 1934
7 Claims. (Cl. 260—39)

7. The compound of the formula:

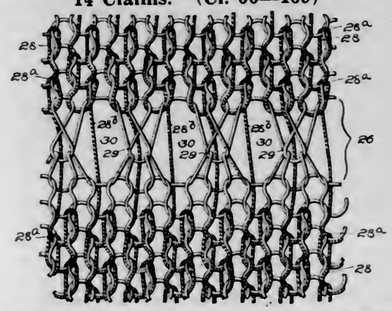


being, when dry, a light-yellow powder, dissolving in an excess of dilute sodium carbonate solution, melting at 232° C. with decomposition.

2,082,359
METHOD OF MANUFACTURING CAST IRON AND MALLEABLE PIG CASTINGS EMPLOYING BRIQUETTED IRON ALLOYS
Erich Schumacher, Unna-Konigsborn, Germany, assignor to Maschinenfabrik Esslingen, Esslingen, Wurttemberg, Germany
No Drawing. Application November 21, 1935, Serial No. 50,981. In Germany November 24, 1934
7 Claims. (Cl. 75—44)

1. In the process of manufacturing alloys which includes the step of adding briquettes containing an alloying ingredient to a slag-covered bath of molten metal, the method of decreasing the oxidation loss of said alloying ingredient which comprises surrounding the alloying ingredient with a protective layer of material adapted to deoxidize said bath.

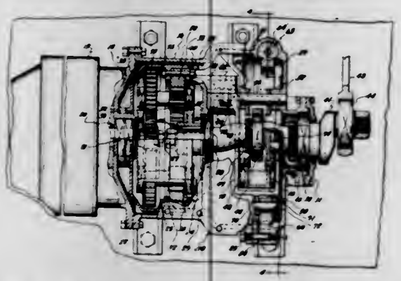
2,082,360
RUNPROOF OR RUN-RESISTANT STOCKING HAVING PICOT EDGE OR FASHIONINGS
Herbert V. W. Scott, Glen Ridge, N. J., assignor to Van Raalte Company, New York, N. Y., a corporation of New York
Application August 1, 1936, Serial No. 93,837
14 Claims. (Cl. 66—169)



1. A fabric for a shaped or fashioned stocking consisting of a main knitting thread regularly knitted course after course and separate warp threads one for each needle wale, certain of the loops being laterally transferred to provide the picot edge of the stocking, the warp threads of those needle wales wherefrom loops are laterally

transferred to form the picot edge extending in a lengthwise direction through the picot openings without lateral transfer of said warp threads.

2,082,361
DRIVE MECHANISM FOR SHAKER CONVEYERS
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1934, Serial No. 712,969
Renewed September 30, 1936
22 Claims. (Cl. 198—220)



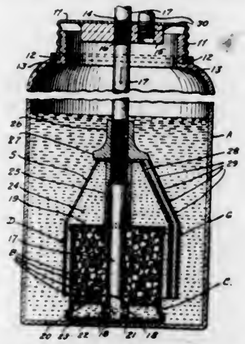
1. In a shaker conveyer operating mechanism and in combination with a reciprocably driven conveyer trough, a rotatably driven crank, a drive connection from said crank to said conveyer trough, and means for driving said crank at a variable angular velocity comprising a gear, a member rotatably driven thereby, a reaction member having operative connection with said driven member and a drive connection from said driven member to said crank, an angularly movable member having connection with said reaction member for moving said reaction member in opposite directions during each revolution of said crank and varying the angular velocity of said crank, and means for reversing the order of acceleration and deceleration of said crank for moving material along said trough in a reverse direction comprising means for reversing the direction of movement of said angularly movable member.

2,082,362
METHOD OF PRODUCING FINELY DIVIDED METALLIC PRODUCTS
James L. Stevens, Hayden, Ariz.
No Drawing. Application June 17, 1935, Serial No. 27,047
19 Claims. (Cl. 134—76)

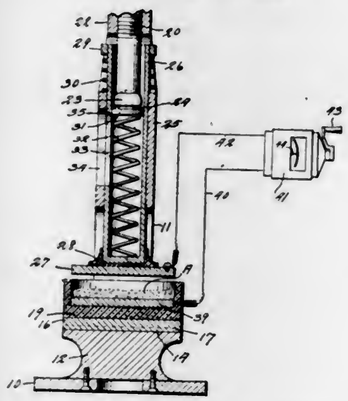
1. A method of making a finely divided metallic product which comprises forming an amalgam containing copper and mercury, distilling the mercury from said amalgam under such conditions as to form a spongy and easily disintegrated metallic residue comprising said copper, and grinding said spongy metallic residue to form a finely divided product.

2,082,363
HUMIDIFIER
Gerald D. Stone, Evanston, Ill., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application February 1, 1933, Serial No. 654,603
13 Claims. (Cl. 261—123)

1. A humidifier and flow meter for gases comprising a vessel containing a volume of water; means submerged under the water for diffusing the gas; an outer shell covering said diffusing means and having an outlet; and a tube connected with the outlet from the shell and having a plurality of submerged openings of progressively smaller size away from the connection with the outlet.



2,082,364
MOISTURE TESTER
Arthur O. Storé, Regina, Saskatchewan, Canada
Application December 19, 1933, Serial No. 703,113
13 Claims. (Cl. 175—183)

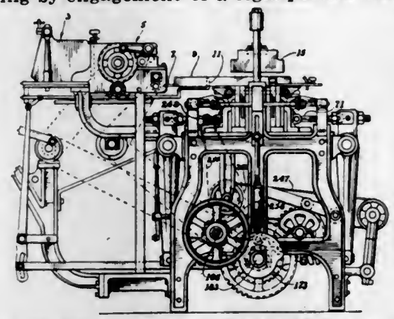


1. A process of determining the moisture content of a substance including the step of compressing a predetermined amount of the substance under such a predetermined pressure as will substantially eliminate any interstitial spaces, and measuring the electrical resistivity of the substance when so compressed while maintaining the pressure constant.

2,082,365
BOX MAKING MACHINE
Clayton Straw, Henniker, and Charles H. George, Contoocook, N. H., assignors to Kingsbury & Davis Machine Company, Contoocook, N. H., a corporation of New Hampshire
Application October 31, 1935, Serial No. 47,644
20 Claims. (Cl. 93—51)

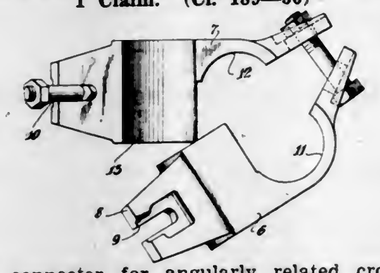
1. In a box making machine, in combination, a reciprocating form, and devices to fold the sides of a box-blank from their initial position in the plane of the box-bottom against the exterior of such form, moving toward and from the path

of travel of the form and actuated during such folding by engagement of a rigid portion thereon



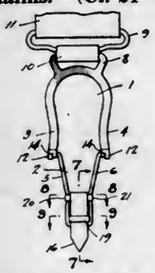
with the blank inwardly of the fold-line and beneath the form.

2,082,366
CLAMP
Torvald Thompson, New York, N. Y.
Application August 8, 1934, Serial No. 738,940
1 Claim. (Cl. 189—36)



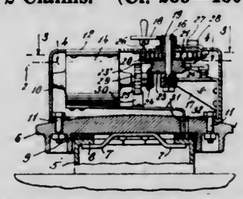
A connecter for angularly related crossing members, comprising a pair of counterpart members, each of said members consisting of two cross-sectionally semi-circular integral portions arranged with their axes in angularly related and relatively spaced positions, each of said counterpart members terminating in a flange, the flanges at one end of each of said opposing counterpart members being normally inseparably and pivotally connected, one of the flanges at the opposite end having a bolt normally inseparably associated therewith and the opposite flange having a slot for receiving said bolt, whereby one of said counterparts may be easily swung free from the other and the connecter easily readjusted.

2,082,367
HOSE FASTENER
James G. Tompkins, Venice, Calif., assignor, by mesne assignments, to Patent Securities Corporation, Los Angeles County, Calif., a corporation of California
Application October 14, 1933, Serial No. 693,603
16 Claims. (Cl. 24—243)



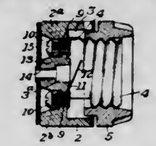
1. In a device of the character described, an upper yoke, and a lower yoke having legs, said upper yoke having spaced legs each of which is formed of folded-over sheet metal and having pivot recesses between the folded elements in which the ends of the legs of the lower yoke are pivoted.

2,082,368
REGISTER FOR GASOLINE
Richard Sullivan Townsend, Wayland, Mass., and Eliot Farley, Mount Kisco, N. Y.
Application March 27, 1935, Serial No. 13,188
2 Claims. (Cl. 235—130)



1. A register comprising a casing, means for removably mounting the casing upon a support, a registering mechanism within the casing, means for actuating the registering mechanism, and means actuated by the support when the register mechanism is mounted thereon for preventing actuation of the registering mechanism.

2,082,369
INCANDESCENT LAMP SOCKET
William C. Tregoning, Greensburg, Pa., assignor to Porcelier Manufacturing Company, Greensburg, Pa., a corporation of Pennsylvania
Application filed May 16, 1934, Serial No. 725,924
5 Claims. (Cl. 173—339)

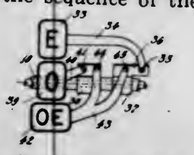


1. An electric socket comprising a socket element with a base member having parallel wire receiving channels in the end thereof at opposite sides of the center thereof with wire-connecting terminals therein, and a guard member pivotally secured to the end of the base member at substantially the center thereof, said member being of a shape different from the shape of the end of the base member on which it is mounted, said member being movable from a position where it lies between the two channels to a position where it lies crosswise of the two channels, the guard member having a length in excess of its width, said guard member being of insulating material and being entirely free of electrical contacts.

2,082,370
SHORTHAND WRITING MACHINE
Gerhard Hendrik Clement Vonck, The Hague, Netherlands
Application October 2, 1935, Serial No. 43,263
In the Netherlands October 3, 1934
4 Claims. (Cl. 197—9)

1. A shorthand typewriting machine for selectively printing either a single character or, simultaneouly, a plurality of characters, comprising a printing roll, a paper strip guided over said roll, a keyboard having horizontal rows of keys thereon, and a plurality of printing type bars disposed facing said printing roll and interconnected

with corresponding ones of said keys, the sequence of the type bars facing the printing roll being different from the sequence of the keys in the



horizontal rows, whereby a plurality of characters may be simultaneouly printed in a sequence different from that in which they appear on the keyboard.

2,082,371

PROCESS FOR MANUFACTURE OF MISCIBLE GUM FROM DRYING OILS

Edward M. Williams, Elyria, Ohio

No Drawing. Application October 16, 1933, Serial No. 693,834

6 Claims. (Cl. 87—12)

1. A process for the production of a miscible gum which comprises heating a quantity of China-wood oil with a greater quantity of menhaden oil at a temperature of approximately 400° Fahrenheit, adding a quantity of lead acetate, and cobalt acetate at said temperature, and aerating the mixture to produce a thickened oil mixture, adding a quantity of linseed oil and China-wood oil, to said heavy bodied oil, heating the same at a temperature of approximately 400° Fahrenheit, adding up to five percent by weight of lead acetate, cobalt acetate, and calcined magnesium oxide at such temperature, and processing the same to a gum.

2,082,372

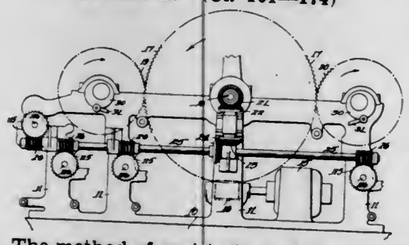
METHOD OF AND MACHINE FOR REGISTERING AND PROVING PRINTING PLATES

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application May 5, 1931, Serial No. 535,165

Renewed August 18, 1936

34 Claims. (Cl. 101—174)



1. The method of registering printing plates to be used on the plate cylinder of a printing press, which comprises preliminarily printing from a plate to be registered on impressions made from a key plate, shifting the plate to be registered until the impressions from the two plates register, marking the edges of the plate to be registered, and locating said plate on the plate cylinder of the printing press by said marks.

2,082,373

WEB ROLL SUPPORTING AND MANIPULATING MECHANISM

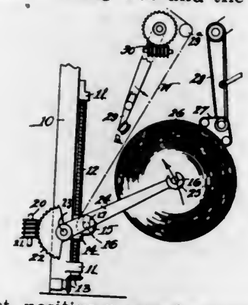
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application March 10, 1932, Serial No. 597,998

Renewed August 10, 1935

1 Claim. (Cl. 242—58)

In a web splicing device, the combination with means for guiding the web from a running roll to a printing press, of means for supporting a new web roll in close proximity to the running web, normally inactive, means for rotating the new web roll at web speed, means for bringing the running web and the new web roll



into contact, positive means for moving the contact making means against the web and means for lifting the fresh web roll directly from its point of support outside the mechanism and moving it toward the running web in an upward course all the time.

2,082,374

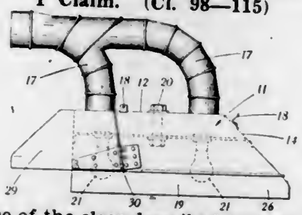
EXHAUST VENTILATING HOOD FOR INDUSTRIAL AND OTHER PURPOSES

Thomas Cochrane Angus, Lambourne End, England

Application July 23, 1936, Serial No. 92,256

In Great Britain February 15, 1935

1 Claim. (Cl. 98—115)



A device of the class described including a ventilating hood having side and end walls and a roof, said roof being formed with an opening and said hood having an open bottom defining an inlet portion, an exhaust pipe connected with the roof, a casing carried by the hood and being centrally mounted therein to define a ventilating channel, said casing and hood having a common end wall, an extension carried by the hood and defining a ventilating air passage continuous with a section of said ventilating channel, means connected with the exhaust pipe for inducing air flow upwardly through the ventilating channel about the casing and through the hood and through said exhaust pipe, said extension being hingedly connected to the hood, and means normally retaining the extension in a closed position, said means being resilient for permitting swinging of the hood for purposes of access.

2,082,375

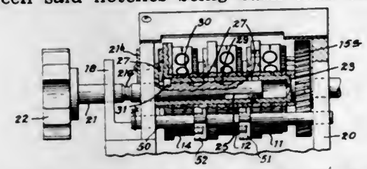
SETTING MECHANISM FOR PREDETERMINING COUNTERS

William F. Berck, Oakland, Calif., assignor to Ralph N. Brodie Company, Oakland, Calif., a corporation of California

Application May 13, 1935, Serial No. 21,196

1 Claim. (Cl. 235—117)

A device of the character described comprising a rotatably supported shaft-like operating member, an axially immovable sleeve mounted thereon and rotatable therewith, a plurality of rotatable elements rotatably mounted on said sleeve, a spring-pressed pawl on each element, said sleeve having a circumferential slot for each pawl and in register therewith, said member being formed with a notch for each pawl, the spacing between said notches being such that only one



thereof may register with a slot in the sleeve at one time, said member being reciprocable in said sleeve whereby a selected notch may be placed in register with a selected slot in the sleeve, the registration of a notch with a slot enabling engagement of the adjacent pawl with the notch and thereby enabling turning of the wheel to which the pawl is connected by turning of the operating member.

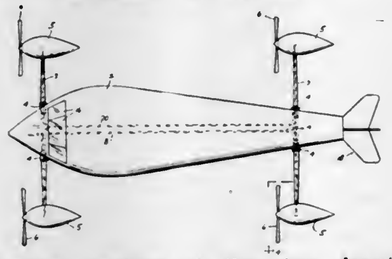
2,082,376

FLYING MACHINE

John F. Boettner, Watson, Mo.

Application April 27, 1936, Serial No. 76,688

1 Claim. (Cl. 244—80)



A flying machine of the class described, comprising a fuselage, a plurality of motors mounted on said fuselage, propellers driven by said motors, common means for manually controlling the motors and gravity responsive means for controlling said motors, the last named means including expansible and contractible balls for the reception of a fluid, conduits connecting said balls, one of said balls being associated with each motor, and cables operatively connected to the throttle valves of the motors and operatively connected to said balls for actuation thereby in accordance with deviations in the balance of the machine.

2,082,377

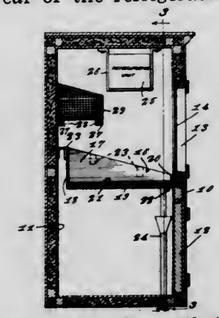
DISPLAY AND STORAGE REFRIGERATOR

Tyre G. Boss, Alton Park, Tenn.

Application November 13, 1935, Serial No. 49,617

1 Claim. (Cl. 62—89.6)

A refrigerator including walls, a top and a bottom, a sheet metal lining for the refrigerator, a pair of upper doors and a pair of lower doors in the front wall of the refrigerator, the upper doors being provided with transparent panes, a main bin disposed within the refrigerator at about the center thereof having triangular end walls, a rear wall, a bottom and a low front wall, said front wall lying below the transparent panes of both upper doors so that the interior of the bin may be visible through the panes, a wire means supporting the bin in the refrigerator, a refrigerating unit suspended from the top of the refrigerator, a plurality of wire baskets supported at the rear of the refrigerator and set back



so as not to project underneath the unit whereby both the baskets and the bins are exposed to direct downward streams of cold air from the unit, and drain pipes for the bins.

2,082,378

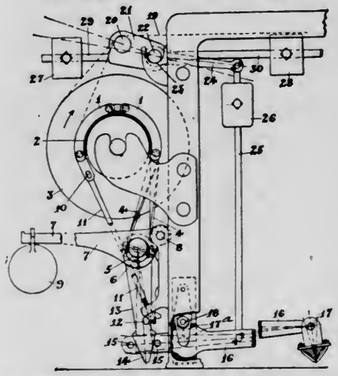
BRAKE CONTROLLED MECHANISM

William Bradley, Addingham, England

Application April 25, 1935, Serial No. 18,235

In Great Britain June 7, 1934

11 Claims. (Cl. 188—83)



1. A loom let-off motion comprising a pair of oppositely moving braking members mounted in parallel on each ruffle of the warp beam, said braking members being attached at one end to two arms of a lever, said lever being centrally pivoted between the points of connection, means for imparting an oscillatory movement to said lever, a centrally pivoted cross connector connecting the other end of said braking members, and means connected to said cross connector for adjusting the tensity and position of said braking members.

2,082,379

PRESS FITTING

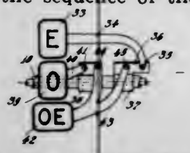
Richard J. Brittain, Jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 11, 1934, Serial No. 720,147

8 Claims. (Cl. 287—52)

1. In a device of the character described, a shaft, a hollow member adapted to be pressed on the shaft and having its bore of uniform size, the shaft having one portion of uniform size and larger than the bore by the amount of the press

with corresponding ones of said keys, the sequence of the type bars facing the printing roll being different from the sequence of the keys in the



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2,082,371

PROCESS FOR MANUFACTURE OF MISCIBLE GUM FROM DRYING OILS

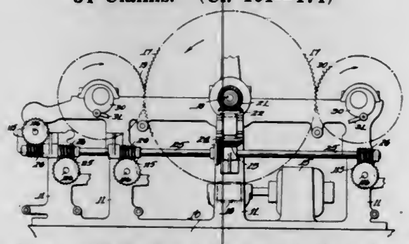
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No Drawing. Application October 16, 1933, Serial No. 693,834
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2,082,372

METHOD OF AND MACHINE FOR REGISTERING AND PROVING PRINTING PLATES

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application May 5, 1931, Serial No. 535,165
Renewed August 18, 1936
34 Claims. (Cl. 101—174)



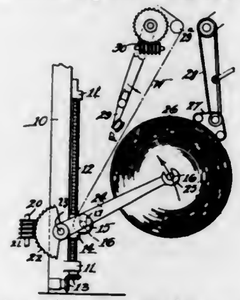
1. The method of registering printing plates to be used on the plate cylinder of a printing press, which comprises preliminarily printing from a plate to be registered on impressions made from a key plate, shifting the plate to be registered until the impressions from the two plates register, marking the edges of the plate to be registered, and locating said plate on the plate cylinder of the printing press by said marks.

2,082,373

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1 Claim. (Cl. 242—58)

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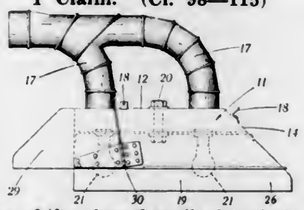


into contact, positive means for moving the contact making means against the web and means for lifting the fresh web roll directly from its point of support outside the mechanism and moving it toward the running web in an upward course all the time.

2,082,374

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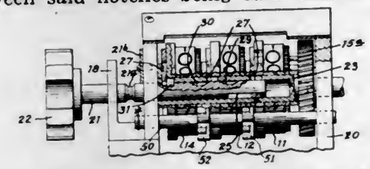
2,082,375

SETTING MECHANISM FOR PREDETERMINING COUNTERS

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A device of the character described comprising a rotatably supported shaft-like operating mem-

ber, an axially immovable sleeve mounted thereon and rotatable therewith, a plurality of rotatable elements rotatably mounted on said sleeve, a spring-pressed pawl on each element, said sleeve having a circumferential slot for each pawl and in register therewith, said member being formed with a notch for each pawl, the spacing between said notches being such that only one

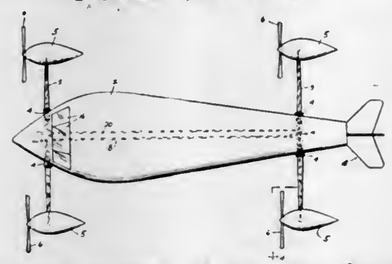


thereof may register with a slot in the sleeve at one time, said member being reciprocable in said sleeve whereby a selected notch may be placed in register with a selected slot in the sleeve, the registration of a notch with a slot enabling engagement of the adjacent pawl with the notch and thereby enabling turning of the wheel to which the pawl is connected by turning of the operating member.

2,082,376

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Application April 27, 1936, Serial No. 76,688
1 Claim. (Cl. 244—80)



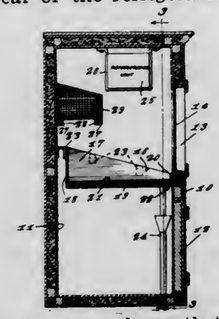
A flying machine of the class described, comprising a fuselage, a plurality of motors mounted on said fuselage, propellers driven by said motors, common means for manually controlling the motors and gravity responsive means for controlling said motors, the last named means including expansible and contractible balls for the reception of a fluid, conduits connecting said balls, one of said balls being associated with each motor, and cables operatively connected to the throttle valves of the motors and operatively connected to said balls for actuation thereby in accordance with deviations in the balance of the machine.

2,082,377

DISPLAY AND STORAGE REFRIGERATOR

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A refrigerator including walls, a top and a bottom, a sheet metal lining for the refrigerator, a pair of upper doors and a pair of lower doors in the front wall of the refrigerator, the upper doors being provided with transparent panes, a main bin disposed within the refrigerator at about the center thereof having triangular end walls, a rear wall, a bottom and a low front wall, said front wall lying below the transparent panes of both upper doors so that the interior of the bin may be visible through the panes, a wire means supporting the bin in the refrigerator, a refrigerating unit suspended from the top of the refrigerator, a plurality of wire baskets supported at the rear of the refrigerator and set back

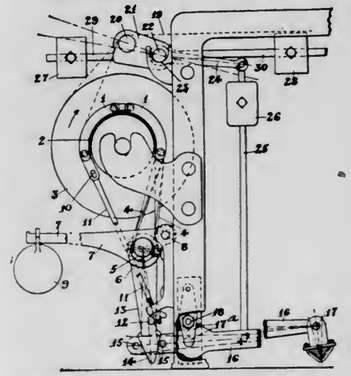


so as not to project underneath the unit whereby both the baskets and the bins are exposed to direct downward streams of cold air from the unit, and drain pipes for the bins.

2,082,378

BRAKE CONTROLLED MECHANISM

William Bradley, Addingham, England
Application April 25, 1935, Serial No. 18,235
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11 Claims. (Cl. 188—83)



1. A loom let-off motion comprising a pair of oppositely moving braking members mounted in parallel on each ruffle of the warp beam, said braking members being attached at one end to two arms of a lever, said lever being centrally pivoted between the points of connection, means for imparting an oscillatory movement to said lever, a centrally pivoted cross connector connecting the other end of said braking members, and means connected to said cross connector for adjusting the tensity and position of said braking members.

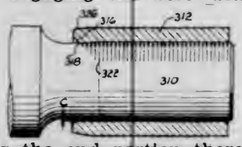
2,082,379

PRESS FITTING

Richard J. Brittain, Jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 11, 1934, Serial No. 720,147
8 Claims. (Cl. 287—52)

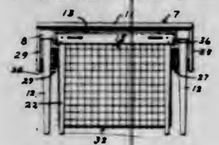
1. In a device of the character described, a shaft, a hollow member adapted to be pressed on the shaft and having its bore of uniform size, the shaft having one portion of uniform size and larger than the bore by the amount of the press

fit, and another portion of the shaft being tapered down and engaging the bore with decreasing



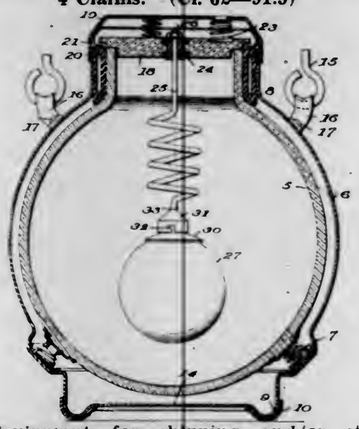
stress along the end portion thereof; substantially as described.

2,082,380
TABLE AND DRIER COMBINATION
Mary Capra, Alameda, Calif.
Application December 29, 1931, Serial No. 583,645
3 Claims. (Cl. 34—26)



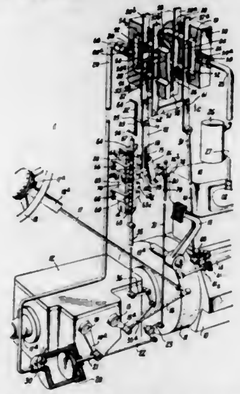
1. An article of household furniture comprising a table having a top providing an upper working surface and overlying a laterally open and normally free space extending to the supporting surface for the table, a frame disposed beneath and adjacent said table top and provided with spaced and mutually parallel bars disposed closely adjacent said table top for supporting cloth articles of domestic use in hanging condition in the aforesaid space, means mounting said frame on said table for a sliding displacement laterally thereof for extension laterally of and from said table top, and a leg member pivotally carried at an outer edge portion of said frame and arranged for inoperative disposal against the frame or operative disposal to support the outer portion of said frame from said supporting surface while the frame is in extended relation to the table top.

2,082,381
SHIPPING AND/OR STORING PERISHABLE COMMODITIES
James M. W. Chamberlain, Akron, Ohio
Application March 19, 1935, Serial No. 11,864
4 Claims. (Cl. 62—91.5)



4. Equipment for shipping and/or storing perishable commodities which require a critical temperature range to preserve their freshness, comprising a spaced wall receptacle, a cover assembly therefor, comprising a lid and cover with a space therebetween, spring devices in the space between the cover and lid to hold the lid in place under the influence of the spring devices, a chemical refrigerant cartridge for said receptacle carried by the lid, said lid having an opening in its thickness to admit the mouth of said cartridge and a plug for the mouth of the cartridge having a vent hole therein for venting the cartridge in the space between the lid and cover.

2,082,382
GEAR-CHANGING MECHANISM FOR MOTOR VEHICLES
Robert Cecil Clerk, Kingston, Jamaica, British West Indies
Application October 20, 1934, Serial No. 749,262
In Great Britain October 20, 1933
25 Claims. (Cl. 192—.01)



1. A motor vehicle which includes a prime mover, an accelerator to control said prime mover, a brake control, clutch means and change-speed gears to transmit the power of said prime mover to said vehicle, an element operable to disengage said clutch means and effect gear changing movements of said change-speed gears, a power device to operate said gear changing element, and means for controlling the actuation of said power device by the combined movements of said brake control and said gear changing element.

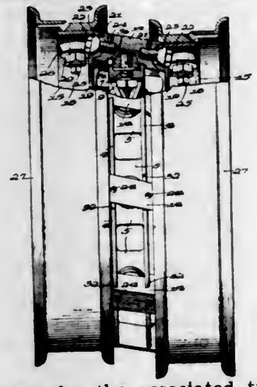
2,082,383
TREATMENT OF MINERAL SAND FOR THE SEPARATION OF ONE CONSTITUENT THEREIN FROM ANOTHER
Miles Andrew Corbett, London, England
No Drawing. Application August 2, 1933, Serial No. 683,409. In Great Britain August 12, 1932
11 Claims. (Cl. 209—2)

2. A process for the treatment of mineral sands for the recovery of zircon therefrom which comprises the step of agitating said sand with air in a dilute soap solution containing oil which has at least a constituent which is soluble to a small extent in said soap solution, said oil including a fatty oil, and separating the zircon from other constituents by a flotation process.

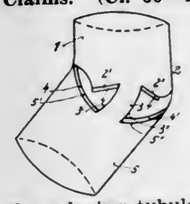
2,082,384
DUAL WHEEL
Alfred W. Dunn, Honomu, Hawaii
Application June 10, 1935, Serial No. 25,920
11 Claims. (Cl. 301—5)

1. A dual wheel including a hub member, equalizing bars circumferentially arranged on

the hub member and mounted thereon so as to have universal movement with respect thereto, ring members disposed on opposite sides of the hub member and connected to said equalizing bars so as to have universal movement with respect thereto, and tire rims respectively mounted on said ring members, each of said ring members having a circular portion affording a support for the associated tire rim and each of said equalizing bars being so disposed that the outer side thereof constitutes a continuation of corresponding parts of the outer surfaces of the circular portions of the ring members whereby said bars afford a support for the innermost rim over which the latter may be slid in mounting and demounting.



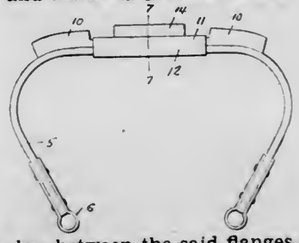
2,082,385
PRODUCTION OF HOSIERY
Erich Eissner, Chemnitz, Germany, assignor to Karl Lieberknecht G. m. b. H., Oberlungwitz, Saxony, Germany
Application September 20, 1935, Serial No. 41,477
In Germany October 6, 1934
5 Claims. (Cl. 66—186)



1. Method of producing tubular hosiery, consisting in knitting the leg by circular knitting, knitting broad and narrow heel portions by oscillating knitting, knitting the foot portion by circular knitting and then looping the narrow and broad heel portions together and the broad heel portion to the foot portion.

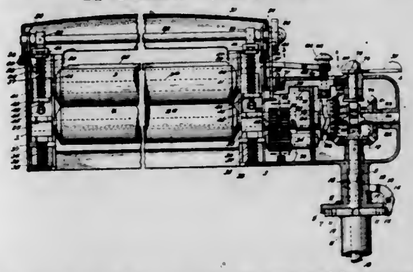
2,082,386
ANTISKID DEVICE
Howard S. Fritts, Washington, N. J., assignor of one-half to Helen S. Bowers, Washington, N. J.
Application October 14, 1936, Serial No. 105,586
4 Claims. (Cl. 152—14)

1. An anti-skid device comprising a band, a cap secured to the intermediate portion of the band, said band having its longitudinal edge portions reduced at the caps, said cap being provided with longitudinal slots therein, overlying the cut away portions of the bands, calk members provided with depending flanges disposed through the slots and cut away portions of the band, and



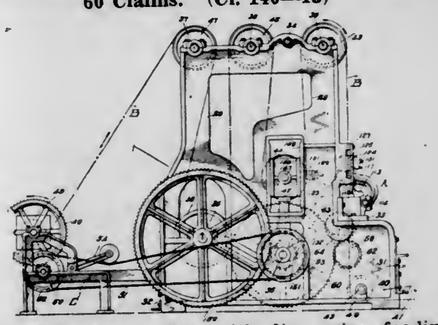
a locking key between the said flanges at a point underlying the band.

2,082,387
WRINGER ROLL CONTROL MECHANISM
Benjamin E. Getz, Morton, Ill.
Application October 31, 1934, Serial No. 750,754
14 Claims. (Cl. 68—32)



14. In a wringer, a pair of separable cooperatively related rolls, a frame therefor, power means for driving the same, manually operative means for creating the desired normal pressure between the rolls, a latch member carried at one end by said manual means, and a releasable latch member associated with the other end thereof operatively associated with the power means whereby to be released by said power means.

2,082,388
MACHINERY FOR MAKING WIRE FENCING
John B. Getz, Benjamin E. Getz, and John H. Leader, Morton, Ill.; said Leader assignor to said John B. Getz and to said Benjamin E. Getz
Application January 2, 1937, Serial No. 118,754
60 Claims. (Cl. 140—13)



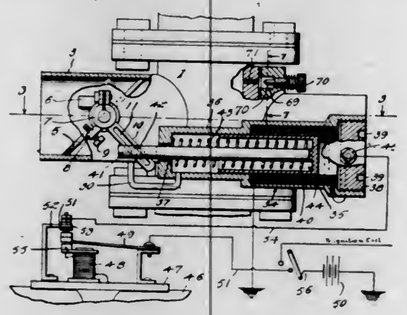
1. The combination with line wire feeding means, of feeding means for stay wire, including a guide block to position a part of the stay wire near the line wire, and means for severing a part of the stay wire to provide a stay and liber-

ate the same from the remainder of the stay wire, comprising a cutter and a cooperating shearing angle plate mounted adjacent an end face of the guide block in position to receive and support the wire in the angle thereof and oppose the cutter thereat.

2,082,389

FUEL ECONOMIZER FOR INTERNAL COMBUSTION ENGINES

Emil J. Giara, Corbin, Ky., assignor of one-third to Earl C. Newman, London, Ky., and one-third to Tollie B. Keltner, Corbin, Ky.
Application June 4, 1936, Serial No. 83,552
11 Claims. (Cl. 123—97)

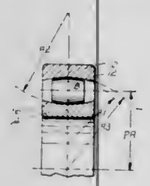


1. In a motor vehicle including an engine, an engine driven generator, intake manifold and a carbureter, a valved air inlet disposed between the carbureter and the manifold, electric means which when energized maintains said valve closed, means whereby said electric means will be energized only when said generator fails to deliver current, and mechanism adapted to be coupled with and controlled by the throttle of the carbureter which is constructed and arranged to maintain said valve open when said throttle is closed and said electric means is de-energized.

2,082,390

ANTIFRICTION BEARING

Harold R. Gibbons, Chatham, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 12, 1934, Serial No. 734,795
12 Claims. (Cl. 308—214)

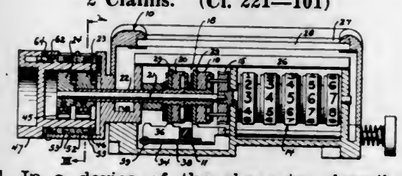


1. In an antifriction bearing, an inner race ring and an outer race ring, each ring having a raceway curved transversely of the bearing, transversely curved elongated rollers engaging the raceways, the transverse curvature of the inner raceway having a value between that of the outer raceway and of the rollers; substantially as described.

2,082,391

SETTING MEANS FOR AUTOMATIC METER SHUT-OFFS

Albert J. Granberg, Berkeley, Calif., assignor to Ralph N. Brodie Company, Oakland, Calif., a corporation of California
Application December 26, 1934, Serial No. 759,201
Renewed October 23, 1936
2 Claims. (Cl. 221—101)

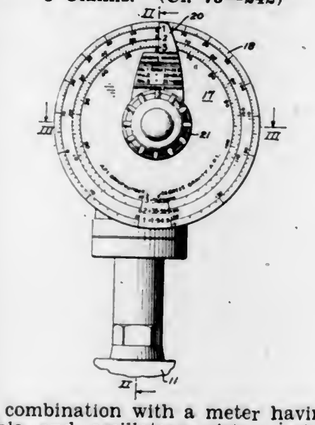


1. In a device of the character described, a counting mechanism comprising a plurality of calibrated dials, means for setting said dials to any desired reading comprising a rotatable member connected with each dial, means for repeatedly setting the dials to the same reading comprising a rotatable barrel surrounding said rotatable members, pawls carried by said barrel for engagement one with each of said rotatable members to cause them to rotate when the barrel is rotated, and trip means capable of adjustment to trip said pawls at any desired point in their cycle of rotation.

2,082,392

APPARATUS TO CALIBRATE METERS TO COMPENSATE FOR TEMPERATURE VARIATIONS

Albert J. Granberg, Berkeley, Calif., assignor to Ralph N. Brodie Company, Oakland, Calif., a corporation of California
Application May 11, 1936, Serial No. 79,185
5 Claims. (Cl. 73—242)



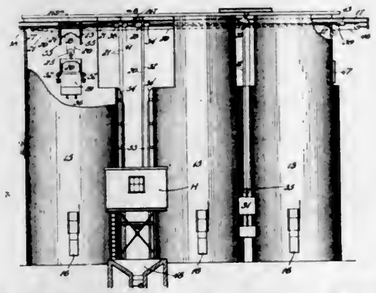
1. In combination with a meter having a reciprocable and oscillatory piston, said piston having a radial crank arm, a rotatable member, a crank arm socket carried by the latter at an eccentric point thereon and engaged by said crank arm, a turnable adjusting member operatively connected with said socket to adjust the radial position thereof and thereby vary the piston stroke, a fixed calibrated dial, a manually operative pointer member associated with said dial, an actuator sleeve, said sleeve having helical guide grooves formed therein, helical splines fixed to said adjusting member and engaging said guide grooves whereby axial movement of said actuator sleeve will impart turning movement to said adjusting member, and a

connection between said actuator sleeve and said pointer whereby movement of the pointer will be translated into endwise movement of said actuator sleeve.

2,082,393

ELECTRICAL CONTROL MECHANISM FOR TROLLEY BUCKET PLANTS

Harold E. Hallenbeck, Hudson, N. Y., assignor to Gifford-Wood Company, Hudson, N. Y., a corporation of New York
Application October 27, 1930, Serial No. 491,534
48 Claims. (Cl. 212—132)

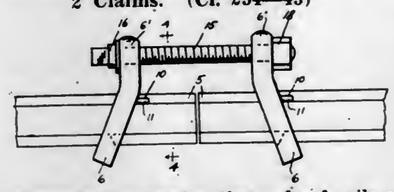


1. An electrical control system for traversing hoists having a material carrier comprising, in combination, a hoist motor; a slowly driven hoist limit switch actuator; a traverse motor; a slowly driven traverse limit switch actuator; primary circuits for the hoist and traverse motors; a switch for controlling automatic operation; a set of six limit switches operated by the traverse limit switch actuator, two of which control the limits of the traverse motion, two of which control a slowing down of the traverse motor before the limits of the traverse motion in either direction are reached, and the remaining two of which control the selecting of the direction of traverse; a set of four limit switches operated by the hoist limit switch actuator, two of which control the limits of hoisting and lowering, one of which controls the period of rest while the material carrier is loaded, and one of which interlocks electrically the traverse and hoisting motions, so that traversing cannot begin until the hoisting limit has been reached; electromagnetic contactors and control circuits controlled by and connected with said sets of limit switches also connected to said motors, so that the hoisting, lowering, stopping and traversing are controlled entirely automatically, once said automatic control switch has been closed.

2,082,394

RAIL JOINT CLOSER

Nels Hamre, Miles City, Mont.
Application June 25, 1936, Serial No. 87,299
2 Claims. (Cl. 254—43)



1. Means for tightening the ends of rails comprising a pair of members, the members comprising bodies and arms, the arms being obliquely disposed with respect to the bodies, the bodies having notches provided with a pointed portion at one end and a fulcrum portion at the other end for engagement with the rails and the arms having openings, a bolt extendible through the openings for drawing the arms toward each other, and jaws with ratchet teeth engageable with the ball of the rails and secured in the bodies at the fulcrum portion of the notches, the jaws being provided with grooves seating the fulcrum portions of the said bodies.

2,082,395

ESTERS OF NUCLEOTIDES AND PROCESS OF MAKING SAME

Max Hartmann, Riehen, near Basel, and Fritz Locher, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 7, 1934, Serial No. 734,200. In Switzerland July 21, 1933
16 Claims. (Cl. 260—34)

11. The compounds of the general formula

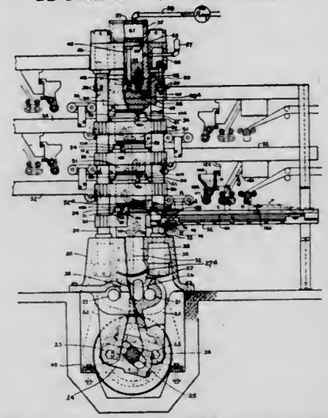
R–CO–A

wherein R is a member of the group consisting of methyl and phenyl and A is a mono-nucleotide radical, which form water-soluble alkali salts and water-insoluble lead salts, the products being useful in therapeutics.

2,082,396

PRINTING PRESS

Maxwell H. Hill, Rochester, N. Y.
Application May 15, 1935, Serial No. 21,612
11 Claims. (Cl. 101—316)



1. In a printing press, the combination with a platen and a form carrier movable toward and from the same with a reciprocatory motion, of means for operating the carrier embodying a guide therefor, a pair of rock arms, a saddle block self-adjustable to the carrier under stress to establish a single line of pressure against the carrier, a pair of articulated pressure transmitting members connecting the rock arms and the saddle block, and rotatable eccentric means for rocking the arms with great mechanical advantage against the resistance of the saddle.

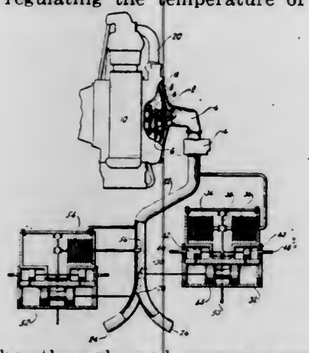
2,082,397

ENGINE INTAKE REGULATING MEANS

Thorp Hiscock, Seattle, Wash., assignor, by mesne assignments, to United Air Lines Transport Corporation, a corporation of Delaware
Application November 2, 1933, Serial No. 696,350
4 Claims. (Cl. 123—119)

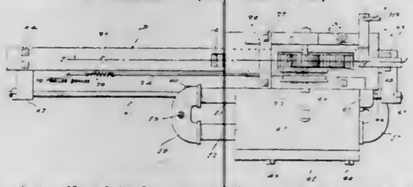
1. In combination with an internal combustion engine, a carburetor therefor, and an air intake for said carburetor, means for maintaining the air flowing through said carburetor to said engine constant at a predetermined density,

said means comprising, means in said intake for regulating the pressure of the air in said intake, means responsive to changes in the pressure of the air in said intake for controlling said regulating means to maintain said pressure constant at a predetermined value, means in said intake for regulating the temperature of the air



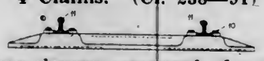
flowing therethrough, and means responsive to the temperature and pressure of the air in said intake for controlling said temperature regulating means to maintain the temperature of said air constant at a temperature corresponding to the pressure in said intake to provide a constant air density.

2,082,398
TRAILER HITCH AND AUTOMATIC BRAKE CONTROL
Louis T. Hughes, Ocate, N. Mex.
Application May 31, 1935, Serial No. 24,433
3 Claims. (Cl. 188—142)



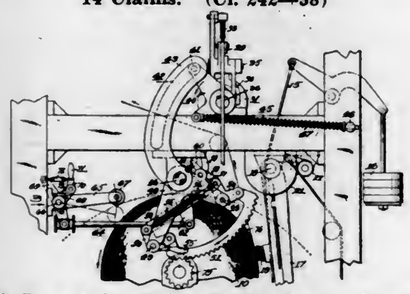
1. A trailer hitch comprising a housing, a slidable tongue mounted in the housing, swivelled coupling means on the housing for engaging the housing with a propelling vehicle, connecting means on the tongue for engaging a trailer, rotatable means on the housing coacting directly with the tongue for applying brakes on the trailer, and non-compressible coacting means on the housing and the tongue to cushion the movement of the housing with respect to the tongue.

2,082,399
RAILWAY SLEEPER
Umberto Isman, Trieste, and Ettore Modiano, Bologna, Italy
Application March 10, 1933, Serial No. 660,326
In Italy February 10, 1933
4 Claims. (Cl. 238—91)



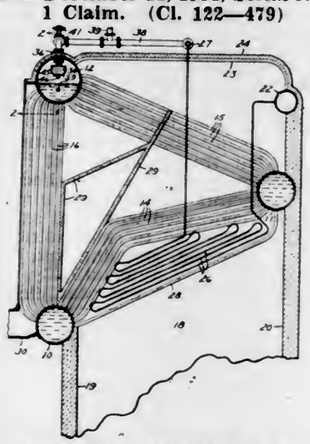
1. Railway sleeper composed of a cement and fibrous asbestos agglomerate having a uniform and highly compact structure throughout obtained by compressing a moistened mixture of cement and fibrous asbestos from different directions by forces which are proportional to the areas compressed thereby, reinforcing bars near the lower sleeper face under the rail supports and reinforcing bars near the upper sleeper face in an intermediate section between the rail supports, said second reinforcing bars being separate and independent of the first-mentioned bars and lying in a different horizontal plane from said first-mentioned bars.

2,082,400
WEB SPLICING DEVICE
Hans C. Jordhoy, North Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application January 20, 1933, Serial No. 652,679
Renewed September 3, 1935
14 Claims. (Cl. 242—58)



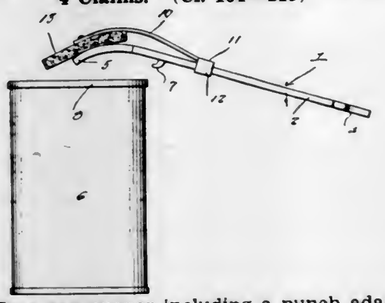
14. In a web splicing device, the combination with a running web and a fresh roll, of means for accelerating the fresh roll to web speed within one revolution of the fresh roll, and means controlled by the fresh roll diameter to regulate the rotation imparted to the fresh roll.

2,082,401
STEAM GENERATING APPARATUS
Max H. Kuhner, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application December 11, 1934, Serial No. 757,010
1 Claim. (Cl. 122—479)



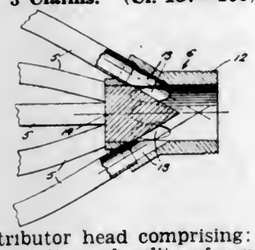
Steam generating apparatus comprising a boiler having a horizontal cylindrical steam-and-water drum, tubes connected to the drum and arranged to deliver a mixture of steam and water thereto, additional tubes connected to the drum and arranged to withdraw water therefrom, a superheater arranged to receive steam from the drum, a desuperheater located within the drum and above the normal water level thereof, means to deliver steam from the superheater to the desuperheater, and means to deliver boiler feed water to the desuperheater, the desuperheater having an outlet for the discharge of the feed water therefrom into the drum.

2,082,402
CAN OPENER ATTACHMENT
Walter Kusnarowis, Barre, Mass., assignor of one-third to Peter P. Mostecki, Barre, Mass.
Application September 1, 1936, Serial No. 98,959
4 Claims. (Cl. 164—119)



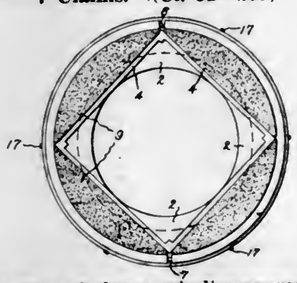
1. In a can opener including a punch adapted to penetrate a can, a shield of absorbent material mounted on the opener above the punch.

2,082,403
REFRIGERANT DISTRIBUTOR HEAD
Lester U. Larkin, Atlanta, Ga., assignor to Larkin Refrigerating Corporation, Atlanta, Ga., a corporation of Georgia
Application August 6, 1936, Serial No. 94,708
3 Claims. (Cl. 137—166)



1. A distributor head comprising: a main cylindrical conduit, a plurality of conduits at the same diameter extending laterally from and equiangularly spaced around said conduit, with their axes lying on the surface of a cone having the same axis as said conduit, and means in said conduit for directing fluids in equal proportions to said conduits.

2,082,404
CUP GRINDER
Willard P. Leshure, Springfield, Mass.
Application September 1, 1936, Serial No. 98,868
7 Claims. (Cl. 51—209)



1. In a cup grinder, a grinding segment shaped as the segment of a cylinder with a lower plane grinding surface and vertically bounded by intersecting chord and cylindrical surfaces.

2,082,405
STEEL BLIND AND GUIDING MEANS THEREFOR
Thomas Lloyd, East Pittsburgh, and Paul W. Sylvander, McKeesport, Pa.
Application May 20, 1936, Serial No. 80,828
2 Claims. (Cl. 156—10)



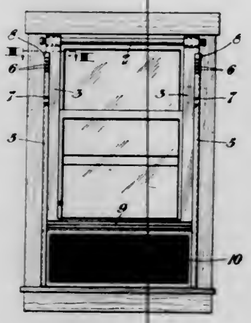
1. A curtain blind comprising a spring roller, a thin metal blind member mounted on said roller having corrugations formed on one end thereof and guiding means for said blind member, said guiding means provided with a restricted passage adapted to cooperate with said corrugations to limit the upward movement of said metal blind.

2,082,406
STEEL VENTILATING DOUBLE BLIND
Thomas Lloyd, East Pittsburgh, and Paul W. Sylvander, McKeesport, Pa.
Application May 20, 1936, Serial No. 80,829
3 Claims. (Cl. 98—88)



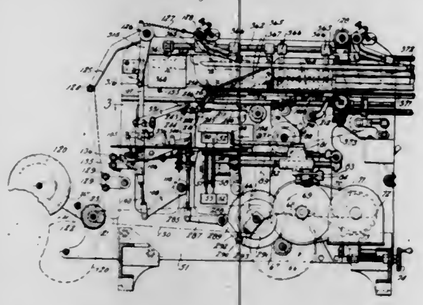
1. A ventilating steel double blind comprising a ventilating chamber, a spring roller secured within said ventilating chamber, a thin flexible sheet steel blind secured to said roller, said steel blind adapted to project upwardly from said roller and through said ventilating chamber, an idler roller adapted to support said thin flexible sheet steel blind and ventilating chamber, and means adapted to secure one end of said blind to said ventilating chamber, said flexible sheet steel blind being provided with perforations at alternate positions to permit the entrance of air therethrough.

2,082,407
ROLL SLIDE WINDOW SCREEN
Thomas Lloyd, East Pittsburgh, and Paul W. Sylvander, McKeesport, Pa.
Application May 20, 1936, Serial No. 80,830
2 Claims. (Cl. 156—14)



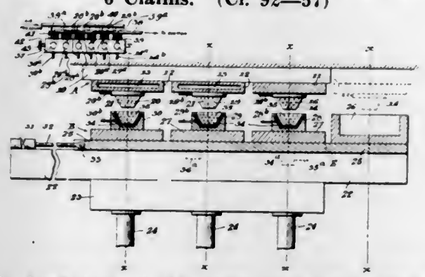
2. A roll slide window screen comprising a spring roller, flexible metallic strips positioned at the ends of said roller, guides provided with corrugated surfaces, a corrugated cross piece integral with said metallic strips and means for securing a ventilating screen to said corrugated member, said corrugations cooperating to stop the upward movement of said screen member.

2,082,408
BREAD WRAPPING MACHINE
Norman W. Lyon, Springfield, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts
Application March 12, 1934, Serial No. 715,070
13 Claims. (Cl. 93—2)



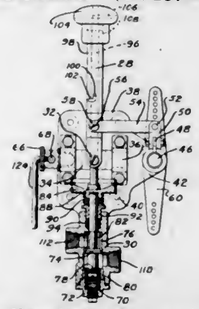
1. In a wrapping machine having an article delivery channel, an elevator having an article supporting plate and vertically reciprocable from an article receiving station to a position in alignment with the delivery channel, means for guiding a web of wrapping material across the elevator below the article supporting plate, a reciprocating gripper receiving the leading end of the web from said guiding means and movable to draw the web past and to one side of the elevator, and means for severing wrappers from the web; a stationary roll on one side of the gripper path, a movable roll, and means for moving the movable roll periodically between a position in contact with the stationary roll and a position on the opposite side of the gripper path.

2,082,409
METHOD OF AND APPARATUS FOR FORMING FIBROUS ARTICLES
George James Manson, Hawkesbury, Ontario, Canada
Application January 8, 1934, Serial No. 705,795
6 Claims. (Cl. 92—57)



1. Apparatus of the class described comprising a first series of dies consisting of a forming die adapted initially to form the article thereon from liquid stock and a plurality of heated drying dies, and a second series of dies consisting of a plurality of pressing dies mounted for cooperative engagement with the dies of the first series, and means for causing relative oscillation of the two series whereby each pressing die alternately co-operates, in pressing engagement with two successive dies of the first series.

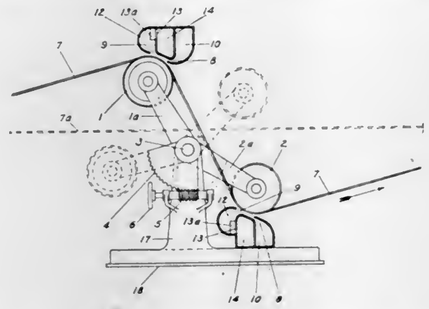
2,082,410
FLUID PRESSURE CONTROLLER DEVICE
Ernest G. McCauley, Dayton, Ohio
Original application January 31, 1928, Serial No. 250,919, now Patent No. 1,860,510, dated May 31, 1932. Divided and this application January 16, 1932, Serial No. 587,123. Renewed April 27, 1936
26 Claims. (Cl. 137—144)



1. A controller device for controlling the fluid pressure from a source of supply to at least two independent, valve controlled working chambers comprising, valve means for controlling the supply of fluid to the valves of said chambers, a support for said valve means, and means carried by said support for operating said working chamber valves simultaneously or independently of one another and for operating said valve means independently of said chamber valves.

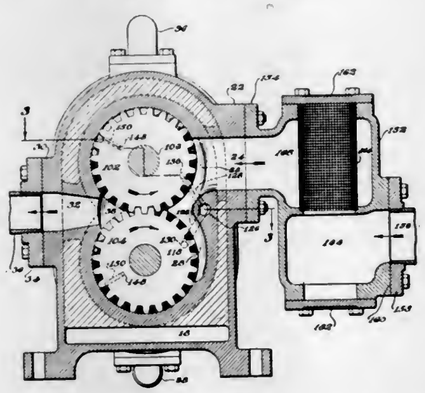
2,082,411
PAPER CLEANING DEVICE
Carle J. Merrill, Portland, Maine
Application August 20, 1935, Serial No. 37,086
5 Claims. (Cl. 15—14)

2. In a machine for cleaning the surface of a travelling web of paper, the combination with air pressure and air suction cleaning mechanism arranged so as to operate on both sides of said web, of two rolls for guiding the continuously moving web of paper, means for maintaining these rolls in a fixed position relative to each



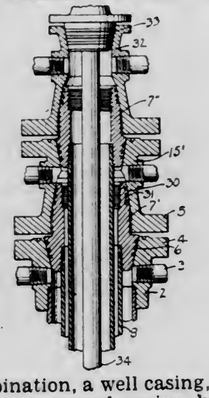
other and means to move both rolls and the moving web of paper into proximity to but out of contact with the air pressure and air suction cleaning mechanism, whereby both sides of the paper web may be cleaned.

2,082,412
ROTARY COMPRESSOR
Harry E. Morton, Hyde Park, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Mass., a corporation of Massachusetts
Application August 4, 1932, Serial No. 627,442
4 Claims. (Cl. 230—141)



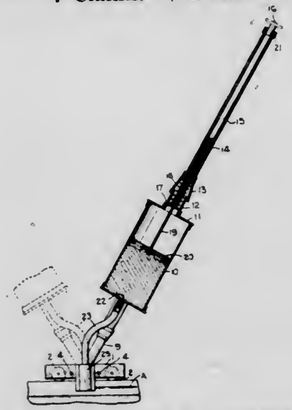
1. A rotary compressor comprising a housing having a pair of cylindrical bores, a pair of intermeshing herringbone gears mounted to rotate within the housing in said cylindrical bores, shafts for the gears, one of said shafts being provided with a driving extension, a head for closing the end of the housing and having openings of uniform diameter therethrough adapted to be axially aligned with the bores of the housing, bearings for the shafts in said openings, closures for the inner and the outer ends of said openings, the inner end closures extending into the bores to center the heads and one of said outer end closures being provided with a stuffing-box with packing therein for the driving extension of the gear shaft and with a water-jacket surrounding the packing in the stuffing-box, and means for securing the head to the housing.

2,082,413
WELLHEAD EQUIPMENT
Robert A. Mueller and John R. Yancey, Houston, Tex., assignors to Gray Tool Company, Houston, Tex., a corporation
Application June 15, 1935, Serial No. 26,710
9 Claims. (Cl. 166—15)



1. In combination, a well casing, a lower casing head thereon, a second casing head supported above said lower casing head, a bushing threaded internally at its ends and tapered downwardly on its lower end to engage a tapered seat in said lower casing head, and having a tapered upper end to engage an upwardly tapered seat in said second casing head.

2,082,414
RAIL LUBRICATOR
Thomas Albert Sprake Munford, Toronto, Ontario, Canada
Application July 25, 1935, Serial No. 33,110
7 Claims. (Cl. 184—3)



1. In a rail lubricator, in combination, a shoe adapted to be moved longitudinally on the tread portion of the rail and comprising a frame including spaced side members, transverse rollers journalled between the side members of the frame and adapted to roll on the tread portion of the rail, a U-shaped member having its legs extending transversely and freely through the side members of the frame with the base of the U disposed exteriorly thereof, nuts threaded on the legs of the U-shaped member and engageable with the interior face of one of the frame side members, spiral springs on the legs of the U-shaped member having their ends engageable respectively

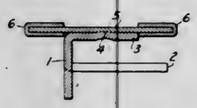
with the nuts and with the opposite frame side members, an element depending from the base of the U of the U-shaped member and engageable with one of the sides of the tread portion of the rail, an abutment on the frame engageable with the other side of the tread portion of the rail and including lubricant dispensing means for dispensing lubricant onto a side of the tread portion of the rail, and means for feeding lubricant to such lubricant dispensing means.

2,082,415
COMPOSITE STRUCTURE
Shirley D. Murphy and Frank V. Osborn, Indianapolis, Ind.
Application July 30, 1935, Serial No. 33,860
3 Claims. (Cl. 20—74)



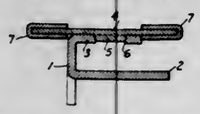
1. In combination, an angular support, a plate having struck-up shoulders mounted on one face of said support, the inner portions of said shoulders engaging with the edges of the face of the support, turned over edges on said plate, and a decorative strip inserted on the face of said plate with its edges beneath the turned over edges of the plate and clampingly engaged between the struck up shoulders and the turned over edges of the plate.

2,082,416
COMPOSITE STRUCTURE
Shirley D. Murphy and Frank V. Osborn, Indianapolis, Ind.
Original application July 30, 1935, Serial No. 33,860. Divided and this application January 20, 1936, Serial No. 59,814
3 Claims. (Cl. 20—74)



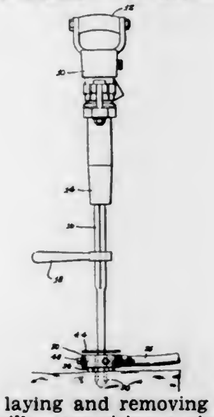
1. A molding structure comprising a cold rolled steel angle member, a strip of stainless steel rigidly attached to one face of said angle member and a pair of spaced flanges of preformed plastic material secured to the edges of said stainless steel strip and supported by said strip independently of said angle member.

2,082,417
COMPOSITE STRUCTURE
Shirley D. Murphy and Frank V. Osborn, Indianapolis, Ind.
Original application July 30, 1935, Serial No. 33,860. Divided and this application January 20, 1936, Serial No. 59,815
5 Claims. (Cl. 20—74)



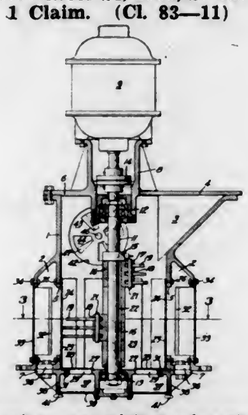
1. In combination, an angular backing plate, a plastic plate attached to one face thereof, and stainless steel edging strips turned over and enclosing the edges of said plastic plate at opposite sides of said backing plate.

2,082,418
ROCK DRILLING MECHANISM
Mark A. Palmer and Mark A. Palmer, Jr., Graniteville, Mass.
Application July 1, 1936, Serial No. 88,321
9 Claims. (Cl. 255—49)



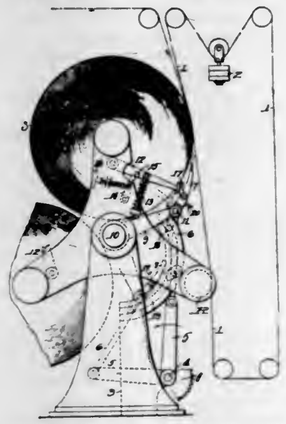
1. A dust laying and removing device for use with rock drills, comprising a ring-like member including a bushing having a drill-receiving opening therethrough and a portion supporting the bushing and having its interior cored to provide a water chamber extending about the opening, the bushing having a plurality of relatively small spray holes positioned to direct water jets into the opening and said portion having port communication from said chamber to said holes, and a hose connection to the chamber.

2,082,419
DISINTEGRATOR
Carl A. Rietz, San Francisco, Calif.
Application November 24, 1933, Serial No. 699,531
1 Claim. (Cl. 83—11)



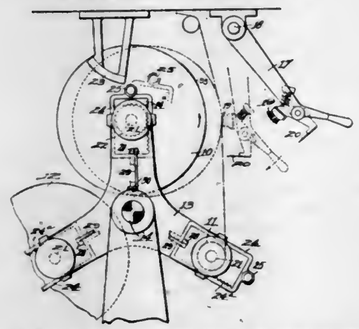
A disintegrator comprising a housing, a vertically disposed beater rotatably mounted in said housing, said beater comprising a shaft, a plurality of helically disposed groups of arms pivotally mounted on said shaft and comprising relatively flat blades positioned edgewise in planes normal to the axis of said shaft, said blades being of graduated length so as to create within said housing zones of different pressure due to the difference in peripheral speeds of the blades when said beater is rotated, means for admitting material to be disintegrated to said housing adjacent said zone of lowest pressure, means disposed in a vertical plane and overlying said pressure zones for classifying thereat disintegrated material graded according to the ability of the pressure of a zone to float said material, and means for collecting said graded material.

2,082,420
WEB SPLICING APPARATUS
Oscar Charles Roesen, Eastchester, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application March 14, 1932, Serial No. 598,736
9 Claims. (Cl. 242—58)



9. In a web splicing device, the combination of means for speeding up the fresh roll and means for spraying adhesive on the fresh roll and on the running web simultaneously.

2,082,421
WEB SPLICING DEVICE
Oscar Charles Roesen, Eastchester, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application January 30, 1933, Serial No. 654,236
Renewed September 3, 1935
14 Claims. (Cl. 242—58)



9. In a web splicing device, the combination of a movable support for supporting a fresh roll, means movable relatively to the moving of the support for rotating the fresh roll by power applied through its own axis, and means, controlled by the position of the movable support, for actuating the first named means.

2,082,422
BOOK CONSTRUCTION
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application November 23, 1934, Serial No. 754,456
1 Claim. (Cl. 281—19)



In a book structure of the kind in which the filler sheets are hung on the closely spaced coils of a single binding wire and fastened to the back panel of the binder case by a rod inside the coils and fastened to the back panel, that construction in which the back panel is curved transversely, a sheet metal stiffening plate built into the back panel over its whole area and shaped to hold the back panel form, a series of arches spaced along the whole length of the back panel struck up from the sheet metal of the back panel, the arches together defining a path for the fastening rod, each arch of a width to extend upwardly between two of the wire coils and the arches being spaced one from another, for many coils to nest in the curved back panel between them, but all held by the rod engaged under said arches and bearing downwardly against all of said coils over the whole length of the back panel whereby the sheet metal plate functions to both hold the curved form of the back panel as a functional part of said back panel and as a rod holding means by reason of its integral arches to nest the wire coils closely in said curved back panel under the rod and between the arches.

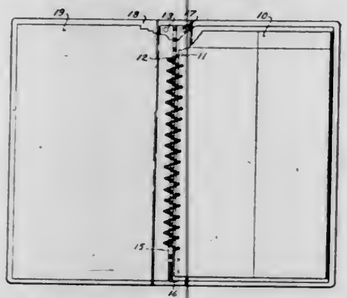
2,082,423
BOOKBINDING CONSTRUCTION
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application May 8, 1935, Serial No. 20,411
1 Claim. (Cl. 281—19)



In a book construction two separated pieces of cover material with adjacent end margins turned into flat abutting contact to make a perfectly flat two-ply flange, said flange being permanently held together, and at right angles to both cover pieces when the latter are laid out flat, by two spaced rows of stitches one near the top of the flange and one near the bottom of the flange, a row of closely spaced holes made in said flange between its two rows of stitches, a pack of book sheets making a book filler having its margin provided with closely spaced holes, and a single wire looped through the holes in the margin of the pack and through the holes of said flange to hang the filler on the said flange, each cover piece being flexible and adapted to bend from the base of the flange and lie against its adjacent side of the pack, whereby a book is provided with a perfectly flat flange located inside and upstanding from its back portion and so as to hold the filler

by a wire binder in holes of the flange protected and strengthened by a row of stitching above and below said row of holes.

2,082,424
BOOKBINDING CONSTRUCTION
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application September 21, 1935, Serial No. 41,524
1 Claim. (Cl. 281—19)



A book construction comprising a binder case made up of back panel and hinged side covers, a stiffening plate made of sheet metal attached to the inside face of the back panel and covering substantially its whole area, said plate being provided with an integral central longitudinal fold, presenting two vertical walls spaced apart about the thickness of the sheet metal with tops of the walls connected by the bend of the fold, said fold having closely spaced vertical slots extending through the top and down the side walls of the fold to the plane of the stiffening plate, a filler of book sheets, a one-piece coiled wire binder on which said sheets are hung, with the coils of the binder threaded in holes of the sheets and closely spaced the same distance apart as the said vertical slots, and a flat removable keeper bar adapted to lie vertically within said fold and extend across the top portion of all the slots while holding all the coils against said stiffening plate, all constructed and arranged for said fold in the stiffening plate in cooperation with said keeper rod to provide not only an exceptional stiffening means for said back panel but also as the sole means for removably attaching wire bound filler sheets to the book.

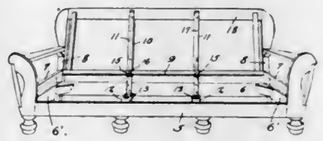
2,082,425
PROCESS FOR DECOLORIZING SUGAR JUICES
Emil Scheller, Lorsbach in Taunus, Germany, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application August 10, 1934, Serial No. 739,282. In Germany July 10, 1933
7 Claims. (Cl. 127—46)

1. A process of decolorizing sugar juices which comprises subjecting said juices to the simultaneous action of hydrogen peroxide and a substance of increased surface action selected from the group which consists of activated charcoal, bone charcoal and silica gel at a temperature within the range 60–90° C., the quantity of hydrogen peroxide present being such that the sugar juices, at the termination of the decolorizing process are substantially free from undecomposed hydrogen peroxide.

2,082,426
PROCESS OF PRESERVING THE NATURAL PROPERTIES OF FRUIT, VEGETABLE, AND SIMILAR JUICES
Edwin Schoop, Rheinfelden, near Basel, Switzerland
No Drawing. Application December 1, 1934, Serial No. 755,630. In Switzerland December 5, 1933
6 Claims. (Cl. 99—155)

1. A process of stabilizing fruit, vegetable and similar juices against alteration in the natural properties thereof, comprising the steps of first hydrolyzing all proteolytic, mucilaginous and gummy matter by the infusion of the raw juice with a dilute solution of sodium chloride of at most one per cent strength, and subsequently removing the hydrolyzed matter by the incorporation of a juice obtained from a plant selected from the group consisting of bromeliaceae and caricaceae and having peptonizing properties in the absence of acids foreign to the juice, said process being carried out wholly without thermal treatment.

2,082,427
FURNITURE CONSTRUCTION
Elwood C. Sechrest, High Point, N. C.
Application May 27, 1936, Serial No. 82,127
1 Claim. (Cl. 155—197)

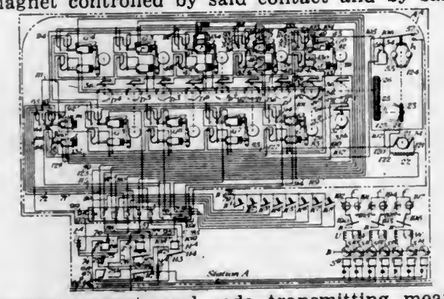


Furniture frame construction including a front and a bottom back rail, end bars connecting the front and back rails, a top rail, vertical back slats secured to the top rail, the lower ends of the vertical slats terminating in spaced relation with the back rail, a wide horizontally disposed center back rail connecting the lower ends of the slats, seat slats connecting the front and bottom back rails, connecting bars extending along the seat slats and extending vertically over the bottom and center back rails and the vertical slats and having the upper ends thereof connected with the top rail, and said connecting bars having offset portions embracing portions of the wide center back rail, and means for securing the connecting bars in position.

2,082,428
RAILWAY TRAFFIC CONTROLLING APPARATUS
Clarence S. Snavely, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 16, 1928, Serial No. 254,684
56 Claims. (Cl. 246—3)

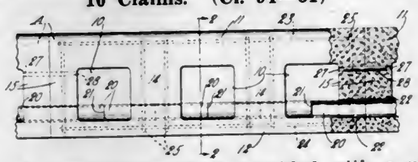
1. In combination with a railway traffic controlling device, a motor, a code wheel, a friction clutch coupling said wheel with the motor, a latch normally holding the wheel against operation by the motor, a storing magnet controlled in accordance with the condition of said device, a delivery magnet arranged when energized to release said latch, a circuit for the motor controlled in part by the storing magnet, a contact arranged to be closed only when said motor is

actually operating, a circuit for said delivery magnet controlled by said contact and by said



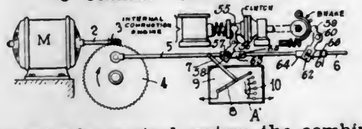
storing magnet, and code transmitting means controlled by said code wheel.

2,082,429
CONSTRUCTION BLOCK
Edward A. Sterns, Hamburg, N. Y.
Application February 5, 1934, Serial No. 709,817
10 Claims. (Cl. 94—31)



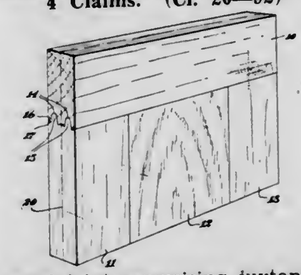
1. A construction block provided with a plurality of openings in a side thereof, a hollow drain conduit of porous material arranged in the lower portions of said openings and extending lengthwise from end to end of said block and arranged to receive water from said openings and conduct the same from said block, said opening being of materially greater cross sectional area than the cross sectional area of said conduit, to expose a large portion of said conduit to permit water to drain into the same, and a porous mass of material contained in said openings and surrounding said drain conduit and through which water entering said openings may seep into said conduit.

2,082,430
SYSTEM OF OPERATING POWER BRAKES AND CLUTCHES
Charles Pinckney Townsend, Abbeville, S. C.
Application April 12, 1934, Serial No. 720,336
5 Claims. (Cl. 192—3)



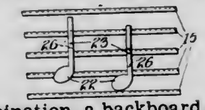
1. In a brake control system the combination of the following instrumentalities: a motor connected to the brakes to actuate the same positively both on and off, a balanced pair of electromagnets, a pole changing switch actuated by said magnets operating in opposition to each other to move the switch in opposite directions, a source of current for said motor, circuit connections from said source to said motor through said pole changing switch, person operated means to regulate the current flow through one of said magnets to close said pole changing switch so as to drive the motor in one direction and mechanical means actuated in the operation of the system to regulate the current through the other magnet so as to restore the balance and leave the brakes set or unset as the case may be.

2,082,431
WOOD JOINT
Elwood I. Tripp, Seattle, Wash., assignor to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington
Application April 4, 1935, Serial No. 14,620
4 Claims. (Cl. 20—92)



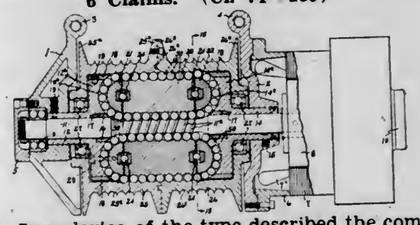
1. A wood joint comprising juxtaposed pieces of wood having glued closely-interfitting portions of tongue and groove formation, unglued surfaces disposed laterally of said tongue and groove and extending to the edges of the pieces, and sharp bends between the tongue and the groove and the unglued surfaces.

2,082,432
MUSIC INSTRUCTION DEVICE
Arthur F. von der Linden, Bloomfield, N. J.
Application December 31, 1935, Serial No. 56,892
2 Claims. (Cl. 84—471)



1. In combination, a backboard and a plurality of parallel tracks attached thereto, a member representing a musical symbol, and a plurality of channel-shaped brackets fixed to said member, and each adapted to grip one of said tracks, the distance between the centers of said brackets being equal to half the distance between centers of a pair of adjacent tracks.

2,082,433
POWER TRANSMISSION DEVICE
Preston Whitcomb, Kenmore, N. Y., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a corporation of New Jersey
Application April 25, 1936, Serial No. 76,320
6 Claims. (Cl. 74—189)



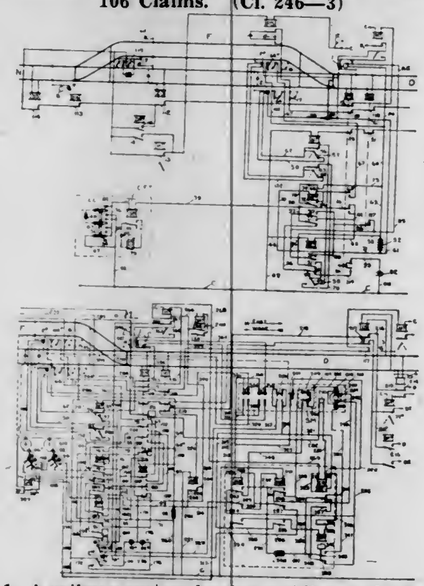
1. In a device of the type described the combination comprising a driving member having a helical groove on its surface, an apertured driven member surrounding the driving member and having a helical groove on the inner face of its aperture, a sleeve lying between the driving member and the driven member having a plurality of longitudinal slots in the wall thereof, means forming passages which are continuations of said slots and closed on themselves, and a plurality of balls in each of said slots and passages to form continuous chains.

2,082,434
LICENSE PLATE
Phillip A. White, St. Albans, N. Y.
Application October 22, 1936, Serial No. 107,090
1 Claim. (Cl. 40—125)



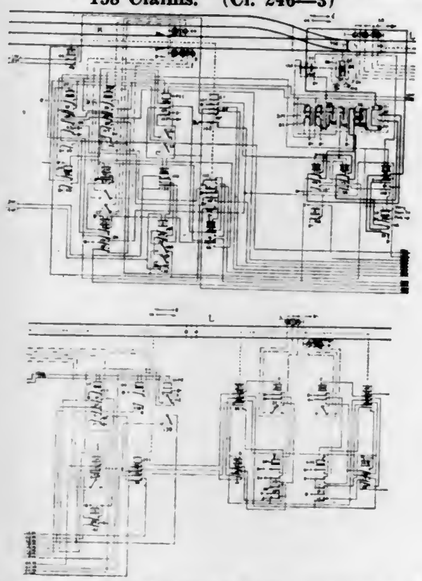
A protective and rattle preventing frame for license plates, consisting of a frame of molded elastic rubber providing horizontal and connecting vertical bars, each of the bars having an arcuate front wing and a back wing shorter than the front wing, the arcuate front wing having a bevelled sealing edge adapted to engage the front side of a license plate, and the back wing having an integral bead adapted to fit in the groove of a marginal bead of a license plate.

2,082,435
METHOD AND MEANS FOR DISPATCHING TRAINS
Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application August 6, 1925, Serial No. 48,553
106 Claims. (Cl. 246—3)



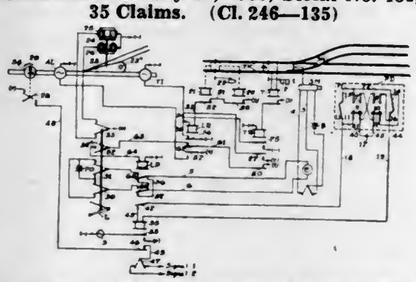
1. A railway system having a siding and a main track parallel thereto; a plurality of signals at the entrance to said siding governing the entrance and departure of trains to and from said siding, main track and single track sections; a relay for said siding location; a line wire connecting said relay to suitable control and indicating means at a distant point; means for controlling said signals jointly by said relay and means corresponding to prevailing traffic conditions; and means for causing said indicating means to respond to the movement of trains into and out of said siding and main track through the medium of said line wire.

2,082,436
TRAIN DISPATCHING SYSTEM
Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 3, 1926, Serial No. 120,423
158 Claims. (Cl. 246—3)



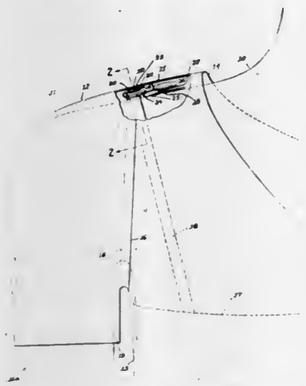
1. A single track railway system having a siding and a main track parallel thereto; a plurality of signals at the entrance to said siding governing the entrance and departure of trains to and from said siding, main track and single track sections; a relay for said siding; a line wire connecting said relay to suitable control and recording means at a distant point; means for controlling said signals jointly by said relay and means corresponding to prevailing traffic conditions; and means for causing said recording means to respond to the movement of trains into and out of said siding and main track through the medium of said line wire.

2,082,437
INTERLOCKING SYSTEM FOR RAILROADS
Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 27, 1930, Serial No. 431,748
35 Claims. (Cl. 246—135)



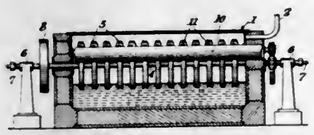
1. In an interlocking system for railways, the combination with a switch and signal layout including a track switch and a switch machine for operating the track switch, a relay of the stick type for controlling said switch machine, a circuit for said relay, a lever, and means associated with said lever permitting closure of said circuit for a limited time only upon movement of said lever.

2,082,438
GARMENT LOOP ATTACHMENT
Gertrude A. C. Baxter, East Orange, N. J.
Application March 24, 1934, Serial No. 717,235
Renewed August 6, 1936
3 Claims. (Cl. 24—85)



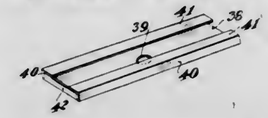
3. In a device of the class described the combination of a strip of fabric provided with fastening means near its ends whereby when the fastening means are brought together said strip forms a loop, a sleeve frictionally mounted on said strip between its fastening means, and a safety pin mounted on said sleeve at the middle of and extending longitudinally of said strip.

2,082,439
MEANS FOR CONGEALING LIQUIDS
Federico Bazzi, Milan, Italy
Application June 22, 1934, Serial No. 731,867
In Italy August 1, 1933
1 Claim. (Cl. 62—114)



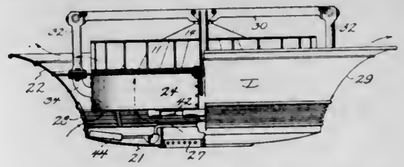
The combination of a tank, a rotary cooling element turning about a horizontal axis and including a hollow shaft and hollow disks thereon communicating with the interior of the shaft to enable the passage of cooling liquid therethrough, said hollow disks dipping into liquid in said tank so as to lift material congealed on the disks out of the liquid and carry it over the shaft, a trough at the downwardly moving side of the rotary cooling element to receive congealed material and guide it through an end of the tank, a conveyor to discharge the congealed material from said trough, and scrapers to remove congealed material from downwardly moving sides and edges of said disks and direct it into said trough.

2,082,440
SAFETY RAZOR BLADE-PACKAGE CARRIER
Sidney H. Benjamin, Milwaukee, Wis.
Application December 10, 1935, Serial No. 53,725
4 Claims. (Cl. 206—16)



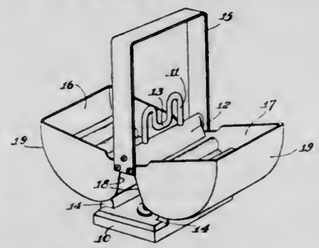
1. A mercantile unit comprising a holder and a plurality of razor blades stacked therein, said holder being constructed with at least two opposed walls and with at least one other wall connecting said opposed walls, means retaining said blades in said holder, at least one of said walls being provided with an opening in alignment with apertures in said blades and of such size and shape as to receive and embrace a razor-head stud, whereby a razor-head may be applied to said holder and its stacked blades to form an integral package and adapted when said stud is thus inserted to prevent the removal of said blades from said package.

2,082,441
AIR CONDITIONER
Lachlan W. Child, Toledo, Ohio, assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill., a corporation of Delaware
Application June 8, 1934, Serial No. 729,544
26 Claims. (Cl. 62—134)



1. In an air conditioner, a centrifugal fan having an annular inlet and a dead center, an annular heat transfer element registering with said inlet, and inner and outer annular casings embracing said element between them and forming an annular passage communicating with said inlet.

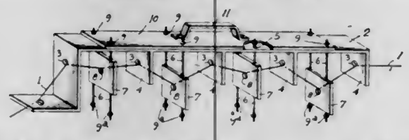
2,082,442
SERVER FOR CIGARETTES OR THE LIKE
Julius Ralph Davidson, Chicago, Ill., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application January 15, 1936, Serial No. 59,242
7 Claims. (Cl. 65—5)



7. A server comprising a base member, bearing surfaces extending above said base member, a substantially U-shaped guide member secured to the base in an inverted position between the

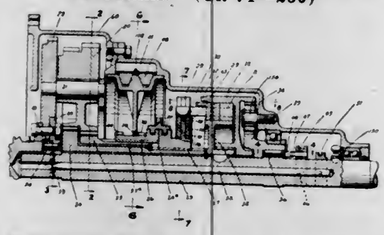
bearing surfaces, a handle of substantially inverted U-shape, a connector bar slidably mounted on said U-shaped guide member, said connector bar being attached to the handle adjacent the ends thereof and extending therebetween, and complementary receptacle halves pivotally secured to the ends of the inverted U-handle.

2,082,443
THREAD TENSION EQUALIZING DEVICE
Alfred J. Desjardins, Manchester, N. H., assignor to George Greenspan, New York, N. Y.
Application July 24, 1936, Serial No. 92,274
6 Claims. (Cl. 242—153)



1. A tension compensating device including a frame member, a series of stationary eyelets and a series of adjustable eyelets, said eyelets being individually adjustable, said adjustable eyelets being positioned between said stationary eyelets and being adapted to move in a substantially vertical direction, weighting means in combination with said adjustable eyelets for producing tension in thread drawn through the stationary and through the adjustable eyelets of the device, and means in combination with said adjustable eyelets for aligning them with said stationary eyelets for threading.

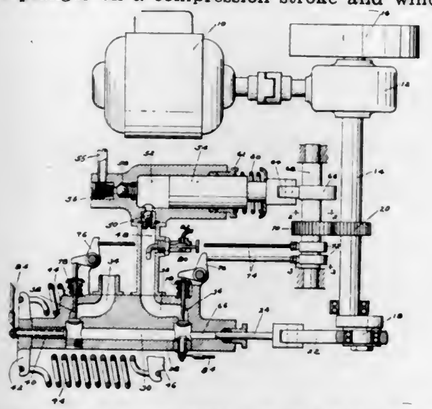
2,082,444
TRANSMISSION
Adiel Y. Dodge, South Bend, Ind.
Application October 14, 1933, Serial No. 693,569
36 Claims. (Cl. 74—260)



1. A transmission comprising a driven member, a driving means actuated to produce positive and negative impulses, means operated for reversing the negative impulses and for transmitting both positive and negative impulses to said driven member as driving impulses all acting in the same direction, and means for operating the driving means to drive the driven member positively at a definite speed reduction independently of said impulses.

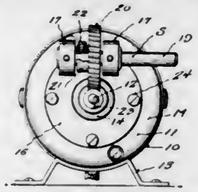
2,082,445
MACHINE FOR STERILIZATION BY COMPRESSION
Adiel Y. Dodge, South Bend, Ind.
Application September 19, 1935, Serial No. 41,224
15 Claims. (Cl. 99—252)

3. A device for treating liquids comprising a cylinder having a spring held plunger in one end and a reciprocating piston in the other end, in combination with valve means for confining liquid in said cylinder while the piston is moving toward the plunger on a compression stroke and which



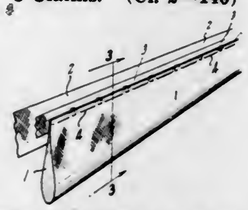
valve means is opened near the end of the stroke of said piston away from the plunger.

2,082,446
ADJUSTABLE GEAR REDUCTION UNIT
Irvie H. Dunham, Racine, Wis., assignor to Electric Motor Corporation, Racine, Wis., a corporation of Wisconsin
Application December 24, 1934, Serial No. 759,083
2 Claims. (Cl. 74—383)



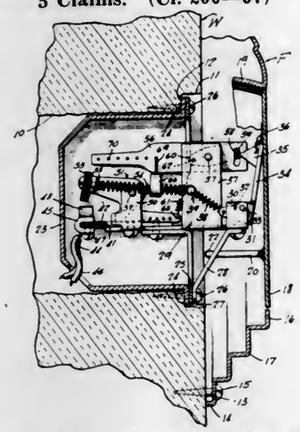
1. An electric motor comprising a casing having an end wall, an axially disposed boss formed on the end wall, an armature shaft extending axially through the boss, an annular plate fitted against said end wall and rotatably mounted on the boss, releasable means holding the plate in a preferred adjusted position on said end wall, supporting arms rigidly secured to the plate at one side of the armature shaft, a driven shaft rotatably supported by the arms, and a gearing including said shaft carried by the plate driven from the armature shaft and disposed at one side thereof.

2,082,447
NECKTIE
Nathan Gold, Portland, Oreg.
Application November 25, 1935, Serial No. 51,355
3 Claims. (Cl. 2—146)



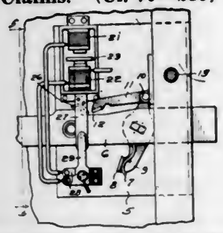
2. A necktie comprising a casing, lining and reinforcing strip united together by a series of spaced apart stitches, and each stitch being formed by the thread passing along one side of the casing thence through the casing, reinforcing strip and lining thence forwardly, upwardly, then rearwardly along the casing then downwardly through the lining then forwardly and upwardly through the surface of the casing from which it started and then forwardly to the beginning of the next stitch.

2,082,448
ELECTRIC SWITCH
Aloysius Guinosso, Philadelphia, Pa.
Application April 30, 1936, Serial No. 77,191
5 Claims. (Cl. 200—67)



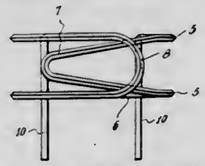
1. In an electrical switch, an actuating member movable into positions defining open and closed positions of the switch, said actuating member being mounted on framework which is included as the supporting structure of the switch, spring means anchored at one end to the framework, and at the other end to the actuating member, said spring means being adapted to assume positions on opposite sides of the pivotal mounting to move the actuating member into its effective positions, a lever pivotally carried by the framework of the switch, operating connections between one end of said lever and said spring means, a cam device associated with said lever and movable to cause effective operation thereof, and a pin carried by said lever movable into positions in which it is engaged on opposite sides by said cam, means for causing such movement of the said pin, whereby successive effective movements of the cam cause the switch to open and close in successive order.

2,082,449
LOCKING MEANS FOR MULTIPLE CLOSURES
Lorrin L. Hansen, Rapid City, S. Dak.
Application June 21, 1934, Serial No. 731,767
5 Claims. (Cl. 70—283)



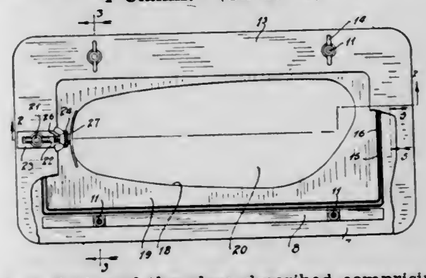
1. In an assembly of the character described, the combination with a lock comprising a bolt having a notch, of a handle-operated pawl for engaging said notch to retract the bolt, a magnet and a member actuated by said magnet and adapted to be projected thereby between the pawl and the notch of the bolt as and for the purposes set forth, said member being so shaped that when projected as described, the end of the pawl rides up over said member instead of engaging in the notch of the bolt.

2,082,450
DOUBLE RING SEPARATOR FOR SPINNING MACHINES
Alfred Heaton, Sanford, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Massachusetts
Application March 17, 1936, Serial No. 69,396
2 Claims. (Cl. 118—11)



1. A separator for use in spinning and twisting yarns, said separator being formed of resilient wire bent into a double strand formation comprising approximately annular upper and lower parallel guards connected at one side of the separator by overlapping guard lips, the inner lip tapering toward its end and the end of the outer lip being symmetrically rounded, and attaching legs and angle feet extending from the annular portion of the separator at points remote from said overlapping lips.

2,082,451
PLASTIC IMPRESSION DEVICE
Henry D. Kivlahan and John F. Kivlahan, Highland Park, Mich.
Application May 27, 1935, Serial No. 23,631
4 Claims. (Cl. 18—5)

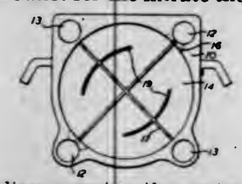


1. A device of the class described comprising: a base; a frame mounted on and spaced from said base; a pan slideable on said base between said base and said frame; a templet positioned in said pan; means for clamping said templet between said base and said frame, said templet having an opening formed therein; a flexible covering for said opening extending on the under face of said templet.

2,082,452
FILTERING APPARATUS
Edward Kinsella and Charles Wesley Addy, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application August 20, 1935, Serial No. 36,951
In Great Britain September 1, 1934
9 Claims. (Cl. 210—195)

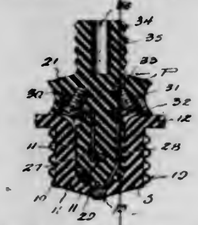
1. A filter press plate for use in filter presses

of the type specified, said plate having a large central hole and a plurality of smaller holes, said holes being adapted to register with corresponding holes in the frames, at least one of the small holes being unconnected with the central hole and serving to convey unfiltered liquid to the inlets of the frames, at least another of the small holes communicating with the central hole and serving as an outlet for the filtrate therefrom, two



foraminous discs covering the central hole, said discs being adapted to support the filtering medium, and means for spacing said discs apart, said means comprising a plurality of metal strips on edge, each strip having one edge attached to one of said discs and the other edge bearing on the other disc, and the strips being so disposed in the cavity between the discs as to allow free passage of the filtrate through said cavity to the outlet.

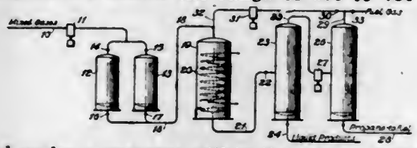
2,082,453
ELECTRICAL CONNECTER
Howard C. Kissel, Green Bay, Wis.
Application December 7, 1934, Serial No. 756,384
2 Claims. (Cl. 173—343)



2. In an electrical connecter, a socket, or receptacle, including a body of insulation having a central opening therein, an axial contact for the body, the opposite sides of the wall of the opening being provided with bayonet slots, a threaded metallic shell fitted on the outer face of the body, a U-shaped conductor strip embedded in one of the bayonet slots and having electrical connection with the shell, a plug for movement into the opening, an axially disposed contact on the plug for engagement with the axial contact of the body, and a conductor bar extending diametrically through the plug having its terminals protruding beyond the plug for reception in the bayonet slots and in electrical engagement with the U-shaped conductor strip, the U-shaped conductor strip and the terminals of the conductor bar being of a wedge shape.

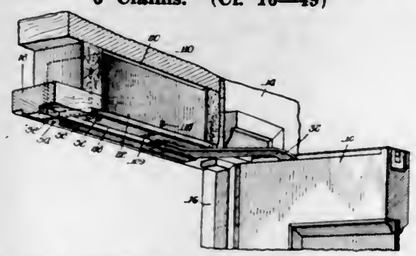
2,082,454
POLYMERIZATION OF GASEOUS OLEFINS
Ward E. Kuentzel, Whiting, and Robert F. Ruthruff, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 28, 1934, Serial No. 759,474
8 Claims. (Cl. 196—10)

2. In a process for polymerizing a gas mixture containing ethylene to liquid hydrocarbons, the steps comprising polymerizing ethylene in the presence of at least 50% of its weight of higher normally gaseous olefins with a catalyst comprising an aluminum halide stable double salt, at a temperature within the range of 300 to 750° F.



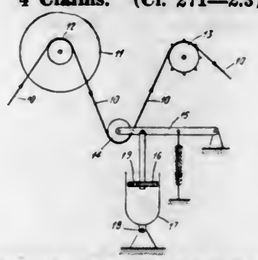
and under a pressure within the range of 200 to 3000 lbs. per square inch, and separating polymerized hydrocarbon liquids from unconverted gases.

2,082,455
DOOR CLOSING AND CHECKING DEVICE
David R. Lasier, Chicago, Ill., assignor to Norton-Lasier Company, Chicago, Ill., a corporation of Illinois
Application February 19, 1934, Serial No. 711,911
6 Claims. (Cl. 16—49)



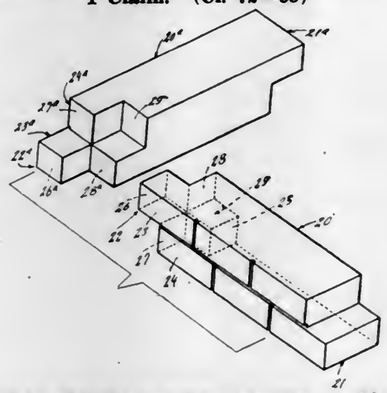
1. In an overhead door closing and checking device, a door frame having a door stop thereon, a door hinged to said door frame to swing in one direction away from said door stop, the head frame of said door frame having a recess cut therein through said door stop, a door closing and checking device concealed in said recess and including an operating spindle extending downwardly therefrom, a lever operatively connected with said spindle at one end and slidably connected at the other end with the upper edge of said door and a closing plate applied to the underside of said door closing and checking device in place of the cut-away door stop in position to extend adjacent to the door and to conceal the operating lever when the door is in closed position.

2,082,456
ARRANGEMENT FOR RECORDING, REPRODUCING, AND PRINTING FILMS
Hans Liedtke and Hermann Freese, Berlin, Germany, assignors to Klangfilm G. m. b. H., Berlin, Germany, a corporation of Germany
Application June 12, 1935, Serial No. 26,174
In Germany July 25, 1934
4 Claims. (Cl. 271—2.3)



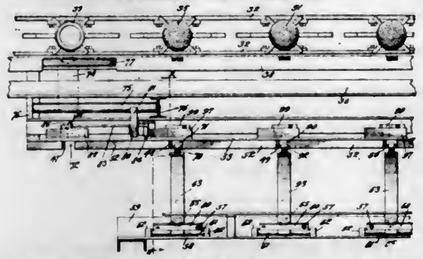
1. A photophonographic apparatus including means for supporting a moving record strip, means including a movable idler roller for tensioning said strip, damping means connected to said roller, and means in cooperative relation with said damping means permitting undamped movement of said damping means only within predetermined limits of movement.

2,082,457
INTERLOCKING BUILDING BLOCK
Aquilino Martinichio, Binghamton, N. Y.
Application June 23, 1936, Serial No. 86,752
1 Claim. (Cl. 72—38)



A reversible corner piece comprising a block of substantially greater length than width and having top, bottom, front and rear faces, the upper half of the front face having an end portion thereof projecting beyond the lower half thereof, said front projecting end portion being of a thickness equal to approximately half the thickness of said corner piece, said rear face also having a projecting upper end portion, the end surface of which is in substantially the same plane as the end surface of said lower half of the front face, said corner piece in its reversed condition adapted to rest on its top face.

2,082,458
VALVE ACTUATING DEVICE FOR CAN WASHERS
John M. McClatchie, New York, N. Y., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
Application February 5, 1936, Serial No. 62,404
7 Claims. (Cl. 141—7)



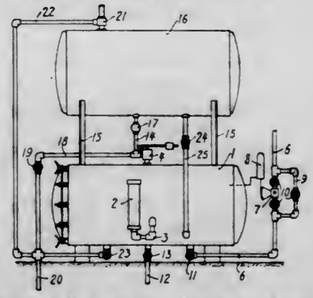
2. A can washing machine having a series of equally spaced upwardly projecting nozzles, a longitudinally arranged carriage having an upward, forward, downward and backward movement adapted to place cans in inverted position over the nozzles successively, said carriage being provided laterally with a longitudinally extending shelf in which is located a series of equally spaced openings corresponding to the nozzles, a series of valve operating devices arranged longitudinally beside the carriage and corresponding respectively to the nozzles, each valve operating device having an inwardly extending arm with a knob on its free end in the vertical plane of the openings in the shelf when the carriage is at the limit of its forward and backward movements, said knob having a normal position halfway of the upward and downward movements of the carriage, a pivotally mounted flap at the rear edge of each opening, each said flap having a downwardly extending vertical position uncovering its opening and a horizontal position covering its opening, means for closing the first flap when a can is placed in the machine and the carriage rises with the can, said closed first flap acting to depress the knob of the first valve operating device on the first downward movement of the carriage, said depressed knob being held depressed by the shelf on the backward movement of the carriage so that it closes the second flap, said first flap being arranged to resume its vertical position on the backward movement of the carriage so that if not closed by a can on the second upward movement of the carriage it clears on the second downward movement of the carriage the knob of the first valve operating device which remains above the shelf on the backward movement of the carriage to be in position to strike and open the second flap on the next upward movement of the carriage.

2,082,459
METHOD FOR PRODUCING SUBSTITUTED ALIPHATIC ACIDS
Joseph B. Niederl, Brooklyn, N. Y.
No Drawing. Application March 29, 1933, Serial No. 663,427
7 Claims. (Cl. 260—110)

1. A method of producing phenolic aliphatic acids by reacting an unsaturated aliphatic acid with a phenol in the presence of a mixture of glacial acetic acid and concentrated sulfuric acid.

3. As a new product, hydroxy-phenyl dihydro chaulmoogric acid.

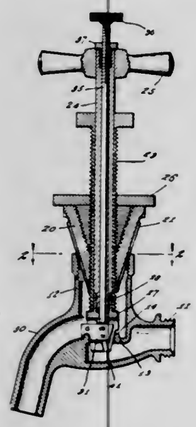
2,082,460
APPARATUS FOR STERILIZING AND SUBSEQUENTLY COOLING FOOD IN CLOSED CONTAINERS
Kaare Omsted, Oslo, Norway
Application January 9, 1933, Serial No. 650,844
In Norway May 19, 1932
4 Claims. (Cl. 126—272)



1. Apparatus for the sterilizing and subsequent cooling of food in closed containers, comprising in combination a single retort containing a liquid, means for supplying steam to the liquid in said retort to sterilize the food in the containers and

to build up a pressure in said retort not less than the pressure in the sealed containers within said retort, means for thereafter supplying cooling water to said retort through the bottom thereof, a container in communication with said retort, a valve intermediate the retort and container, said valve opening when the cooling water is admitted to said retort to permit the displaced sterilizing fluid in said retort to be forced into said container, and a valve controlled conduit connecting said container and retort for subsequent return of the displaced sterilizing fluid to the retort.

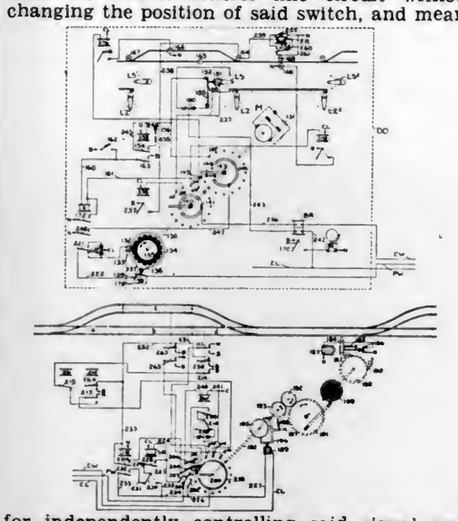
2,082,461
VALVE SEAT DRESSER
Frank J. Pardieck, Indianapolis, Ind.
Application May 12, 1934, Serial No. 725,243
2 Claims. (Cl. 90—12.5)



2. In a valve-seat reamer, a rotatable head adapted to enter and be centered in the hole in a valve-heat, said head having a generally conical surface for engagement with the edges of the hole in the valve-seat, a cutting element mounted in said head, said cutting element having a cutting edge extending transversely of the axis of rotation of said head, said cutting edge being notched to form an annular rib on the valve-seat as the cutting element is rotated in contact therewith, means guiding said cutting element for movement in said head along a path substantially parallel to an element of said conical surface, and means for adjusting said cutting element along such path.

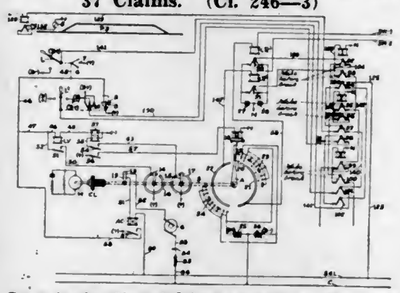
2,082,462
TRAIN DISPATCHING SYSTEM FOR RAILROADS
Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application June 16, 1927, Serial No. 199,325
83 Claims. (Cl. 246—3)

82. In combination, a local office, a distant way station, a track switch at said station, a signal associated with said track switch, two line circuits each at times connecting said local office and said way station, means for controlling operation of said track switch from one extreme position to the other over one only of said line circuits, means for controlling said signal over said one switch control line circuit without changing the position of said switch, and means



for independently controlling said signal over the other line circuit.

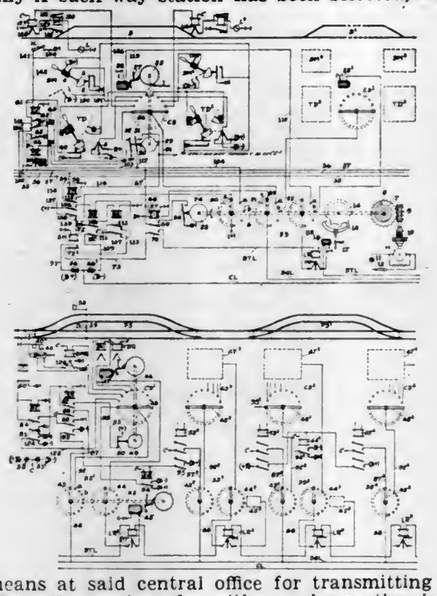
2,082,463
TRAIN DISPATCHING SYSTEM FOR RAILROADS
Neil D. Preston and Oscar H. Dicke, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application March 14, 1929, Serial No. 347,011
37 Claims. (Cl. 246—3)



1. In a train dispatching system, a dispatcher's office, a plurality of stations, railway traffic controlling devices at each station, a line relay in the dispatcher's office and one at each station, means for establishing a communication circuit including the line relay in the dispatcher's office and the line relay at one only of the several stations in turn, and selecting means at each station controlled by the line relay at that station, said selecting means at the several stations being operated only one at a time.

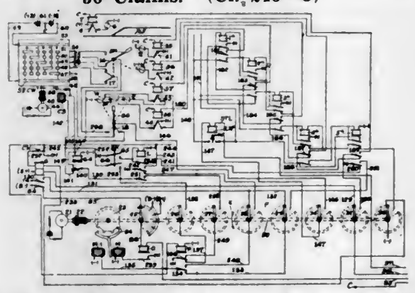
2,082,464
TRAIN DISPATCHING SYSTEM FOR RAILROADS
Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application March 19, 1929, Serial No. 348,336
41 Claims. (Cl. 246—3)

28. A selector type system for controlling traffic controlling devices on a railway system including a central office and a plurality of way stations comprising, station selecting apparatus including stepping means at each way station, individual apparatus selecting means at each way station including stepping means effective only if such way station has been selected, and



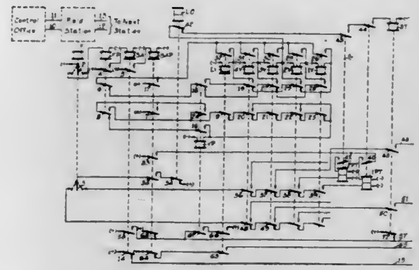
means at said central office for transmitting a distinctive series of positive and negative impulses arranged in a particular code pattern which series will select a particular way station and will operate the apparatus selecting stepping means at such selected way station only.

2,082,465
TRAIN DISPATCHING SYSTEM FOR RAILROADS
Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 7, 1929, Serial No. 361,229
36 Claims. (Cl. 246—3)



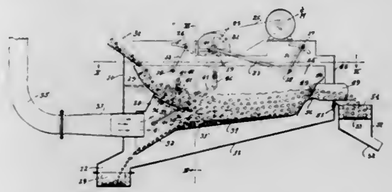
1. In a dispatching system, the combination with a dispatcher's office and a station, a stepping line and a signal line extending from the dispatcher's office to the station, selecting means in the dispatcher's office and at the station synchronously operated by impulses on the stepping line and establishing sequentially a plurality of channel circuits including said signal line, and code responsive means at the station governed by the selecting means at said station in accordance with the duration of the respective impulses applied to the stepping line.

2,082,466
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application August 18, 1933, Serial No. 685,764
18 Claims. (Cl. 246—3)



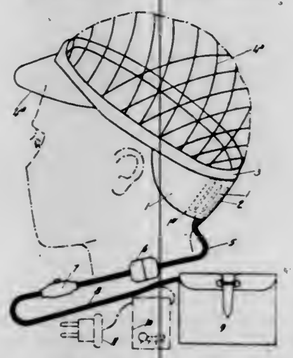
4. In a centralized traffic controlling system for railroads, a line circuit having a predetermined number of impulses of distinctive character applied thereto during a cycle of operations, a field station, signals at said station, a track relay for indicating occupancy of a track section at said station, control relays picked up during said cycle in accordance with the character of said impulses for selecting said signals, an executing relay picked up during said cycle for energizing said selected signals, a stick circuit for said executing relay controlled by said control relays, and a stick circuit for said control relays controlled in accordance with the number of said impulses and the position of said track relay.

2,082,467
COAL CLEANING APPARATUS
Klaas Prins, Chicago, Ill.
Application July 15, 1935, Serial No. 31,421
9 Claims. (Cl. 209—156)



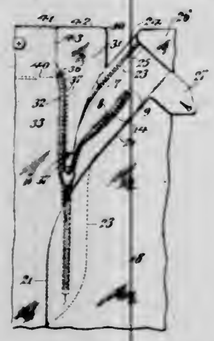
1. In apparatus of the class described, a trough having an outlet at one end, means for feeding the raw material to be separated to the other end of said trough, said trough having an inlet neck below the material feed in point, a nozzle structure for directing water under pressure into said inlet neck, means in said neck dividing the water flow into two streams, one stream flowing upwardly through the charged in mass and then rearwardly to the trough outlet and the other stream flowing directly toward the outlet, said trough having a bottom sloping downwardly toward said inlet neck, and means for subjecting said trough to combined longitudinal and vertical reciprocation for effecting travel of the heavier particles of the mass along the trough bottom toward said inlet neck and the water stream carrying the lighter material to said outlet.

2,082,468
MEANS FOR PREVENTING OR STOPPING STOMACH SICKNESS, ESPECIALLY SEA-SICKNESS
André Pupier, Paris, France
Application November 30, 1932, Serial No. 644,986
In France December 2, 1931
6 Claims. (Cl. 128—254)



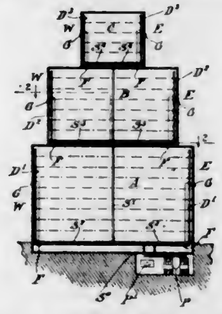
1. In a device for use in applying heat to the region of the occipital foramen for preventing and stopping stomach sickness, the combination of a flexible support structurally shaped so as to closely cover the said region of the occipital foramen, a thin portion extending from the support at its upper part, an electrical resistance carried by the said support and of smaller dimensions than said support, said electrical resistance being separated from the outside by fabric in direct contact with the atmosphere towards the side where heat is to be applied to the region of the occipital foramen, a head-covering provided with a movable portion adapted to allow the support to pass between the rear portion of the head-covering and the said movable portion and fixing means provided on the thin extension of the support for detachably fastening the said support between the rear portion of the head-covering and the said movable portion.

2,082,469
TROUSERS CONSTRUCTION
William Shulik, Philadelphia, Pa.
Application November 15, 1934, Serial No. 753,167
4 Claims. (Cl. 2—234)



1. In trousers, a front opening including two juxtaposed trousers portions adapted to be connected and disconnected from each other for closing and opening the front of the trousers, one of said juxtaposed trousers portions including a layer of self-cloth longitudinally interrupted, a scoop-carrying tape of a slide fastener and a strip of lining fabric extending together through said layer of self-cloth and said line of interruption, with the tape substantially concealed behind said layer of self-cloth and with the scoops projecting externally therefrom, the lining strip overlying the outer surface of the self-cloth so as to protect the self-cloth from the scoops, a line of stitching securing the tape and lining strip to the self-cloth at one side of the line of interruption, and another line of stitching securing the lining strip to the self-cloth at the other side of said line.

2,082,470
CONTROL SYSTEM
Webster Tallmadge, Montclair, N. J., assignor to Webster Tallmadge & Company, Inc., New York, N. Y., a corporation of New York
Application November 29, 1929, Serial No. 410,513
34 Claims. (Cl. 236—91)



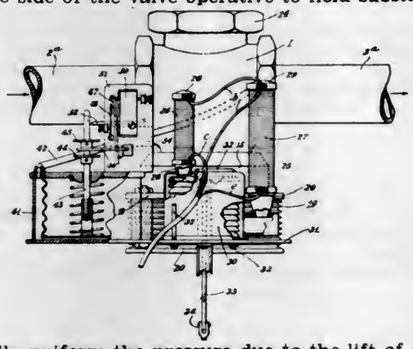
21. A system of the character described comprising a building, a source of supply of a fluid heating medium, heat transfer devices arranged within the building in a plurality of groups, pipes connecting the source of the fluid heating medium with the respective groups of heat transfer devices, valves in the pipes connecting with the respective groups of heat transfer devices for controlling the supply of the fluid heating medium thereto, and means under the control of differential pressures of air outside and within the building for automatically adjusting the valves to supply more or less fluid heating medium to the respective groups of heat transfer devices.

26. Steam heating apparatus including heat radiating elements, a steam main for supplying steam thereto, and wind and temperature responsive mechanism for automatically varying the steam pressure in said main in response to changes both in wind velocity and in outside temperature.

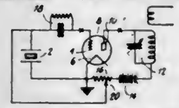
2,082,471
MOTOR CONTROLLED VALVE
Webster Tallmadge, Montclair, N. J., assignor to Webster Tallmadge & Company, Inc., New York, N. Y., a corporation of New York
Application July 26, 1934, Serial No. 737,004
7 Claims. (Cl. 236—92)

1. The combination of a valve, a vapor-tension motor with two heating coils controlling the valve, and jointly controlling the motor a device responsive to temperature operative to selectively close an electric circuit either through one or through both heating coils, to thereby effect either a partial or a substantially full lift of the valve, and

a device responsive to pressure on the low pressure side of the valve operative to hold substantially uniform the pressure due to the lift of the valve as selectively determined by the thermostat.

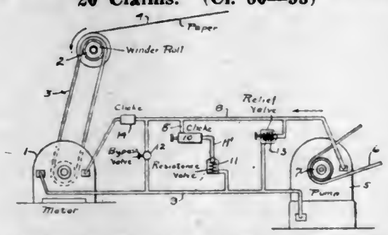


2,082,472
OSCILLATION GENERATOR
Harry Tunick, Rye, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 25, 1933, Serial No. 672,766
4 Claims. (Cl. 250—36)



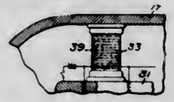
1. A constant frequency oscillation generator comprising a tube having a cathode, a first grid, a second grid, and an anode, a frequency controlling system connected to a pair of said electrodes, a source of anode potential, a first resistor connected between one terminal of said source and said cathode, a second resistor connected between another terminal of said source and said anode, a circuit consisting of the parallel combination of a condenser and a third resistor, said circuit being connected to said first grid and through at least a portion of said first resistor to said cathode, and a connection from said second grid to a point on the second said resistor, the respective values of said resistors being so chosen that oscillations are generated at a substantially constant frequency despite variations from normal in the potential of said source.

2,082,473
HYDRAULIC TRANSMISSION
Ransom Tyler, Wauwatosa, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 9, 1933, Serial No. 688,725
20 Claims. (Cl. 60—53)



3. A hydraulic transmission, comprising a rotary hydraulic motor for carrying a constant load at varying speeds, a pump for supplying liquid to said motor to drive the same, and means for varying the torque of said motor inversely to variations in the speed of said motor; said means including an orifice choke connected in series with said motor and means for diverting from said motor a part of the liquid delivered by said pump and responsive to variations in pump pressure for varying the rate at which said liquid is diverted.

2,082,474
MATERIAL INSULATOR FOR USE IN VACUUM
Robert J. Van de Graaff, Cambridge, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application December 6, 1934, Serial No. 756,367
14 Claims. (Cl. 173—318)



14. An insulating support of column-like shape for spacing one body from another body, said two bodies having a high potential difference, said support comprising a compact solid body mainly of insulating material, means for establishing a high vacuum completely about said support, the separation of said bodies by said support at the point of attachment to said support being substantially the same as the length of said column, and means to equalize the distribution of stress lengthwise said insulating material.

2,082,475
HALF-TONE SCREEN AND METHOD OF MANUFACTURE THEREOF
Frank C. Zoller, Cleveland, Ohio
Application September 18, 1936, Serial No. 101,470
8 Claims. (Cl. 95—81)



1. The method of making a half-tone screen comprising engraving a transparent plate by rubbing an abrasive in a circular movement over the surface thereof, coating the surface so engraved with an opaque material, permitting said opaque material to partially dry, then removing the opaque material from unetched portions of the plate, but allowing the opaque material to remain within the etched lines.

4. A half-tone screen comprising a transparent plate, irregular overlapped arcuate engravings upon a surface thereof, said engravings being filled with an opaque material.

2,082,476
GARDEN TOOL
John S. Allen, Worcester, Mass.
Application January 17, 1936, Serial No. 59,595
3 Claims. (Cl. 97—60)

1. A garden tool comprising a cutting head including a perforated sheet metal plate, a shank passing through the plate which has a handle at one end and forms a pivotal tooth at the other, the plate being shaped to provide a plurality of depending, widely spaced, flat sided cutting teeth which have concave forward edges

and convex rear edges and are so arranged that opposed teeth project in opposite directions and

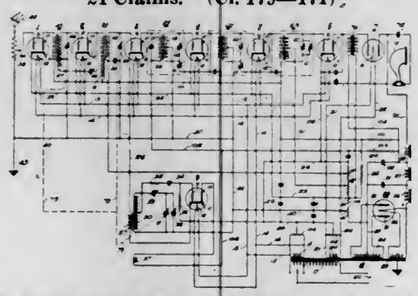


serve to agitate the soil without clogging when revolved about the pivot.

2,082,477
SYNTHETIC TANS AND PROCESS OF PRODUCING THE SAME
Richard Alles, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 27, 1936, Serial No. 71,335. In Germany April 6, 1935
20 Claims. (Cl. 149—5)

10. Synthetic tans comprising condensation products of aromatic hydroxy compounds containing at least one sulphonic acid group the hydroxyl groups of which compound are acylated with organic substances selected from the group consisting of carboxylic and sulphonic acids free from olefinic bonds, with carbonyl compounds of low molecular weight.

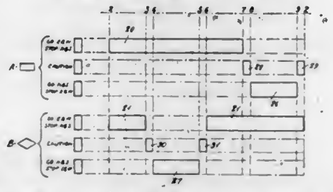
2,082,478
ELECTRIC WAVE RECEPTION
George L. Beers, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application April 16, 1928, Serial No. 270,285
21 Claims. (Cl. 179—171)



3. Radio apparatus comprising a support, a member affixed at one portion of its surface to one side of said support, means for altering the position of a free portion of said member, said means being accessible from the other side of said support, another member also affixed at one portion of its surface to the side of said support opposite that side to which the first member is affixed, said means for altering the position of a free portion of said first member, comprising also the means for affixing said second member to said support.

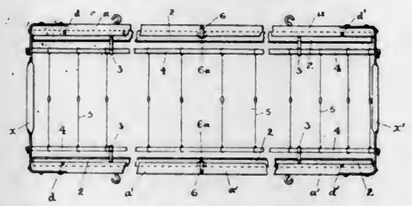
21. In the process of varying the amplification of cascaded radio frequency amplifier stages by impressing upon an element of each stage an adjustable control voltage the method which comprises progressively decreasing the range of control voltages impressed upon succeeding stages.

2,082,479
TRAFFIC CONTROL
Jesse C. Buerke, Tampa, Fla.; Elsie A. Buerke administratrix of said Jesse C. Buerke, deceased
Application September 15, 1928, Serial No. 306,119
22 Claims. (Cl. 177—337)



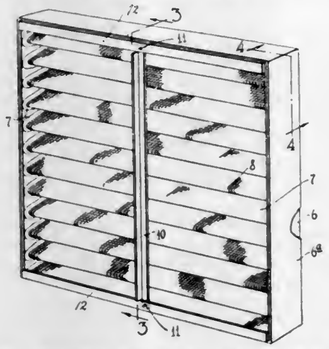
17. A traffic control means comprising a plurality of signal stations forming a system having two electrical controls, one controlling the signals at alternate stations and the other controlling the signals at intermediate stations, means for operating the controls to display "go" and "stop" signals through definite variable periods, in uniform time cycles, the central point of a period of display of a "go" or "stop" signal for a given direction by one control being spaced substantially 180° of the time cycle from the central point of the period of display of the corresponding signal for the same direction by the other control.

2,082,480
HEALD OF LOOMS FOR WEAVING
Mark William Carr, Keighley, England
Application March 6, 1935, Serial No. 9,604
In Great Britain March 28, 1934
9 Claims. (Cl. 139—92)



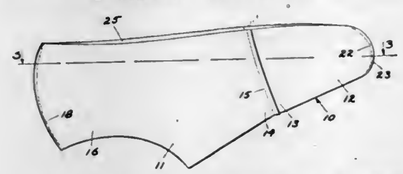
7. A harness frame for looms, comprising a rectangular frame including longitudinal bars coupled together by end members at right angles thereto, additional bars secured to said longitudinal bars only near the ends thereof to allow for flexure of the central portion of the longitudinal bars and having lateral flanges formed upon them, heald supporting bars, connecting members, each having a pair of hooked engaging members at one end for spanning the additional bars and resting in contact with the lateral flanges thereon, while another hook is formed at the other end of said connecting members to engage with the heald supporting bars, and metal healds mounted between said supporting bars to be operated by them.

2,082,481
AIR FILTER FOR VENTILATING SYSTEMS OR APPARATUS
Charles Christofferson, Duluth, Minn., assignor to Universal Air Filter Corporation, Duluth, Minn., a corporation of Minnesota
Application April 6, 1936, Serial No. 72,874
2 Claims. (Cl. 183—71)



1. In a filtering unit comprising a marginal frame having vertical stop flanges at its front and upper and lower stop flanges in back, a corrugated screen covered filtering medium seated against the vertical front flanges of said frame with its edges tightly engaging the vertical members of said frame, and a detachable lock-bar having ends interlapped with the top and bottom back flanges of said frame and engaging the back intermediate portions of the corrugations of said filtering medium and holding the latter seated under pressure so that the upper and lower edges of said filtering medium will be pressed against the top and bottom members of said frame.

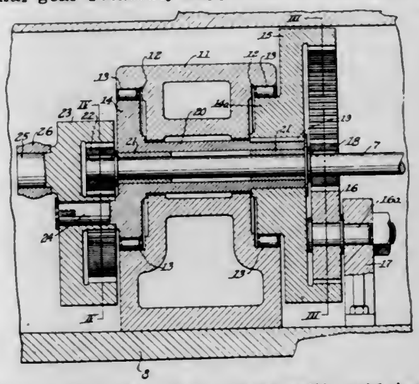
2,082,482
SHOE PROTECTOR
Bernard J. Cohen, Brockton, Mass., assignor to Howard Paper Company, Inc., Boston, Mass., a corporation of Massachusetts
Application April 18, 1936, Serial No. 75,097
3 Claims. (Cl. 36—72)



1. A shoe upper protecting cover adapted to conform approximately to the shape of a shoe on a last, said cover having a continuous open bottom and excess marginal edge portions forming free lasting allowance, and having a pocket at the extreme toe end of the cover co-operating with the lasting allowance adjoining said pocket to draw the latter into contact with the shoe bottom upon stretching the cover over the heel end of the shoe.

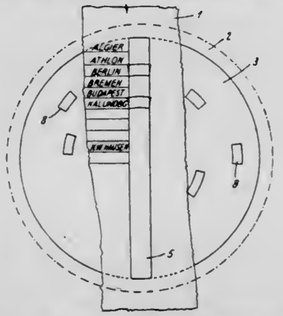
2,082,483
MOTION TRANSFORMING MECHANISM
Alfred C. de Bruin, Columbus, Ohio
Application October 16, 1936, Serial No. 105,969
7 Claims. (Cl. 74—52)

1. A device for transforming rotary motion to rectilinear motion comprising a frame, a pair of concentrically arranged shafts rotatably carried by said frame, means for rotating said shafts in opposite directions, an eccentrically positioned pin carried by the outer of said shafts, an internal gear rotatably supported on said pin, an



external pinion fixed to rotate with said inner shaft in meshing engagement with said internal gear, a boss projecting from the rear face of said internal gear, and a slide pivotally mounted on said boss.

2,082,484
STATION SELECTOR FOR RADIO RECEIVERS
Elimar Ebbighausen, Berlin, Germany, assignor to Allgemeine Elektricitats Gesellschaft, Berlin, Germany
Application August 7, 1935, Serial No. 35,045
In Germany August 8, 1934
4 Claims. (Cl. 116—124.4)

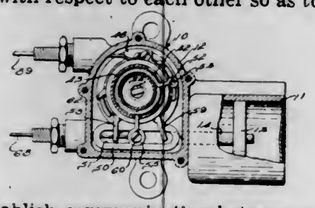


1. Means for indicating the position of a tuning device, comprising a vertical panel marked with a plurality of station names, a substantially circular member connected to said tuning device and provided with a plurality of indicators located at different distances from its center said indicators being arranged to align with said station names successively.

2,082,485
WINDSHIELD WIPING MOTOR
Robert B. Evans, Detroit, Mich., assignor to E. S. Evans & Sons, a corporation of Michigan
Application May 13, 1935, Serial No. 21,137
14 Claims. (Cl. 121—164)

6. A windshield wiper motor including a casing having a fluid pressure chamber and a valve mechanism enclosing chamber therein, a transverse partitioning wall in said chamber having

spaced ports extending therethrough, each communicating at one end with a fluid pressure medium outlet and at its other end with a fluid pressure medium inlet, a pair of passageways in said casing, one connecting each port with an end portion of said chamber respectively, a pressure responsive member in said chamber operable by said fluid pressure medium, a pair of valve elements, each disposed adjacent one of the opposite sides of said wall respectively and angularly disposed with respect to each other so as to alter-



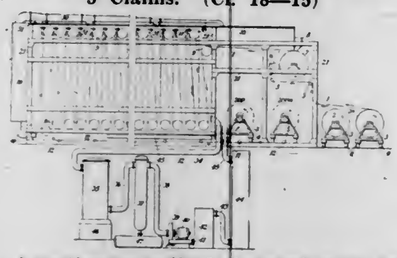
nately establish communication between one and then the other end of said chamber and said fluid medium inlet and alternately between the one and then other end of said chamber and said fluid pressure outlet respectively, and actuating apparatus for said valve elements including a torsional coil spring energizable by said pressure responsive means and including latch mechanism for holding said valve elements against movement by said spring until said pressure responsive means is at either of its limiting positions.

2,082,486

PROCESS AND APPARATUS FOR THE MANUFACTURE OF FILMS AND FOILS

Gennady Frenkel, Surbiton, England

Application September 24, 1935, Serial No. 41,922
In Great Britain September 25, 1934
5 Claims. (Cl. 18—15)



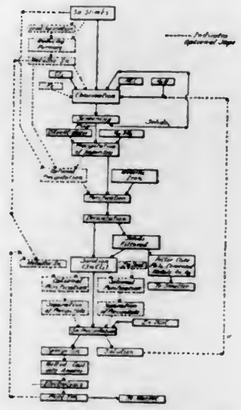
1. A continuous method of manufacturing films and foils of the kind herein referred to from cellulose derivatives, resins and other plastic substances, which comprises continuously feeding a plurality of separate stored lengths of a support successively to a film or foil-forming machine, past a delivery point therein, delivering a solution of plastic substance in a volatile solvent to said moving support at said point, thereafter, as said support is advanced evaporating said solvent from said solution to leave a film or foil of said plastic substance deposited on said support, and drying said film or foil, thereafter storing said separate lengths of said support successively, transferring said stored lengths of support to a stripping machine separate from said first-mentioned machine and there stripping said film or foil from said lengths of support and transferring said stripped lengths of support back to said first-mentioned machine preparatory to again feeding said lengths of support successively therethrough, the speed of the delivering, evaporating and drying operations being different from but correlated to the speed of said stripping operation.

2,082,487

METALLURGY OF TIN

Frederick F. Frick, Anaconda, Mont., assignor to International Smelting and Refining Company, East Chicago, Ind., a corporation of Montana

Application February 14, 1936, Serial No. 63,836
3 Claims. (Cl. 75—99)



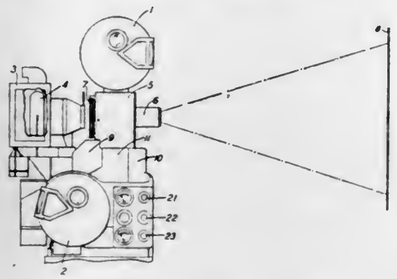
1. The method of recovering tin from material containing tin, lead and antimony which comprises subjecting the material to a chlorination operation to obtain a solution containing tin chloride, lead chloride and antimony chloride, diluting the solution to precipitate the antimony from solution, adding sulphuric acid to the solution to precipitate the lead from solution, subjecting the thus treated solution to the action of metallic iron to effect further precipitation of impurities, and treating the resulting purified solution to recover elemental tin.

2,082,488

MOTION PICTURE PROJECTING APPARATUS

Reginald T. Friebus, Montclair, N. J., assignor, by mesne assignments, to Western Electric Company Incorporated, a corporation of New York

Application April 3, 1935, Serial No. 14,411
1 Claim. (Cl. 88—17)



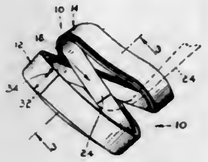
The combination, in a motion picture apparatus having a tungsten light source, of a shutter for said apparatus, said shutter comprising an opaque obscuring blade, and a blue-colored translucent intercepting blade capable of transmitting approximately eight-five per cent of light in the wave-length in which it is effective.

2,082,489

WINDING AND PUT-UP OF TWISTABLE MATERIALS AND METHOD OF WINDING AND UNWINDING TWISTABLE MATERIALS

Bertram J. Goldsmith, New York, N. Y., assignor to General Ribbon Mills, Inc., New York, N. Y., a corporation of Pennsylvania

Application October 28, 1936, Serial No. 107,988
24 Claims. (Cl. 242—55)



5. A web of sheet material wound in roll form with successive lengths of the web wound alternately in opposite directions and in superposed relation, whereby the web can be progressively withdrawn from the roll in non-wound condition and substantially free from twist.

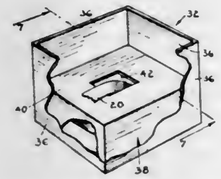
11. The method of forming a winding of a length of twistable material, which comprises winding the web into a plurality of oppositely wound convolutions in such relation that when the web is withdrawn from the winding it is twisted in opposite directions in predetermined lengths thereof whereby the twists neutralize each other and the withdrawn length of web is in non-wound condition and substantially free from twist.

2,082,490

DISPLAYING AND DISPENSING MEANS FOR NARROW FABRICS

Bertram J. Goldsmith, New York, N. Y., assignor to General Ribbon Mills, Inc., New York, N. Y., a corporation of Pennsylvania

Application October 28, 1936, Serial No. 107,989
14 Claims. (Cl. 206—51)



5. Means for displaying ribbons or other narrow fabrics comprising a plurality of containers of such fabrics located adjacent each other, each provided with a dispensing opening, and mounted upon a support, wall means forming a display compartment for each container to receive the material dispensed therefrom, at least one wall of the aforesaid container constituting a wall portion of said display compartment.

2,082,491

LIQUID TREATMENT

Walter H. Green, Chicago, Ill., assignor by mesne assignments, to Infilco Inc., a corporation of Delaware

No Drawing. Application December 19, 1934, Serial No. 758,265
4 Claims. (Cl. 210—24)

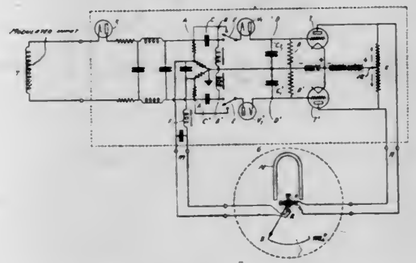
1. The process of treating an aqueous liquid containing an alkaline compound of a metal for use in industry, which comprises subjecting said liquid to a primary treatment by contacting the same with a material having positive ion exchange properties and capable of reacting with the alkaline compound to form a compound of the metal with the exchange material and a second compound capable of being dissociated in the presence of water into constituents all of which other than water are volatilizable from water, and then volatilizing and removing such constituents from the liquid before use of the liquid.

2,082,492

MODULATION MEASUREMENT

Henri Grumel, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France

Application February 27, 1934, Serial No. 713,076
In France March 2, 1933
4 Claims. (Cl. 179—171)



1. In a system for measuring the degree of modulation of modulated carrier wave energy, means for collecting the modulated carrier wave energy, a rectifier connected to and fed by the collecting means, a filter connected to the output of the rectifier for separating the carrier wave energy components from the direct current components and the superimposed modulation frequency component, a second filter connected to the output of said first filter for obtaining a direct current component proportional to the carrier wave energy intensity, a diverting circuit comprising condensers in series with additional rectifiers connected to said first filter, condensers in shunt to the outputs of the additional rectifiers, a pointer driven by two relatively fixed windings mounted for joint rotation in a magnetic field, a connection between one of said windings and said second filter, a connection between the outputs of said additional rectifiers and the other of said windings and means for rendering the movement of said windings dependent on the ratio between the two currents supplied thereto and independent of the amplitudes of said currents.

2,082,493

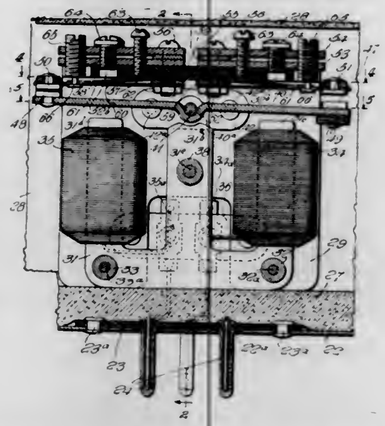
STATIONARY CONTACT SYSTEM FOR VIBRATORY SWITCHES

Frank O. Hartman, Mansfield, Ohio, assignor to The Hartman Electrical Mfg. Company, Mansfield, Ohio, a corporation of Ohio

Application May 24, 1933, Serial No. 672,730
5 Claims. (Cl. 200—166)

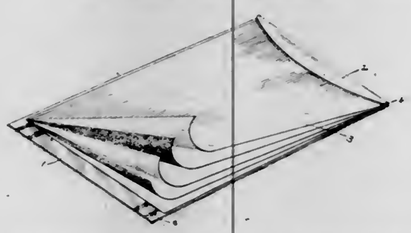
1. In a vibratory switch, a stationary contact system including a pair of spring strips, an adjustable guide engaging one of said spring strips for regulating the position of both said spring

strips, a tension adjusting screw adjustable against the other of said spring strips, and lock-



ing means common to said adjustable guide and said tension adjusting screw.

2,082,494
BACKING SHEET FOR MANIFOLDING ASSEMBLIES
Adolph M. Heck, West Los Angeles, Calif., assignor to The Columbia Carbon Company, Dayton, Ohio, a corporation of Ohio
Application July 5, 1935, Serial No. 29,888
6 Claims. (Cl. 282—29)

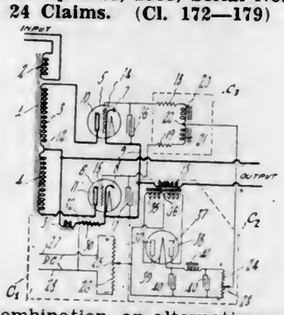


1. As an article of manufacture, a backing sheet for writing material including a sheet member, parallel stripes of printing ink on the reverse side of the sheet affording continuous feeding traction while in a writing machine, and a record sheet holding flap on the forward side of the sheet comprising the terminal portion of the sheet reversely folded upon a rounded fold line whereby the flap is directed downwardly toward the body of the sheet.

2,082,495
AZO DYESTUFFS
Karl Holzach and Bernd v. Bock, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 3, 1936, Serial No. 62,168. In Germany February 22, 1935
5 Claims. (Cl. 260—97)

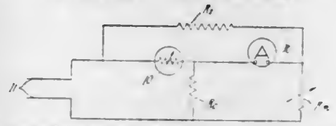
1. Azo dyestuffs produced by coupling the diazo compound of a 3-halogen-5-nitro-2-aminophenol with an N-hydroxylalkylated derivative of meta-toluidine in which the nitrogen atom is a tertiary one.

2,082,496
VOLTAGE REGULATION AND CIRCUITS THEREFOR
Wilfred H. Howe, Winchester, Mass., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application April 29, 1933, Serial No. 668,582
24 Claims. (Cl. 172—179)



20. In combination, an alternating current input circuit, an output circuit, a grid-controlled ionic valve interposed between said circuits, and grid controlling means controlling the ignition time of said valve including means deriving entire control directly from the current flow through said valve to said output circuit.

2,082,497
VOLTAGE COMPENSATION
Wilfred H. Howe, Winchester, Mass., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application November 29, 1933, Serial No. 700,234
14 Claims. (Cl. 175—183)

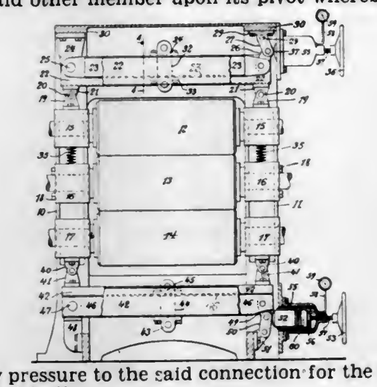


1. In combination, first, an electrical system including a controlling variable electrical means and a mechanism responsive to variations of said controlling means; second, a source of power supplying energy to said electrical system; third, power transmission means interposed between said source and said system, said means having a variable characteristic responsive proportionately to variations of said source; and fourth, means for feeding a predetermined amount of power from said source directly to said responsive mechanism, said amount of power being predetermined so that the variations thereof caused by variations of said source counteract the variations which would be caused in said responsive mechanism by variations in said source acting through said interposed means.

2,082,498
ROLLER MILL
James W. Kent, Brooklyn, and Elmer Peters, Richmond Hill, N. Y.
Application October 19, 1935, Serial No. 45,742
3 Claims. (Cl. 308—60)

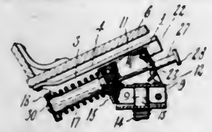
3. In a roller mill in combination a frame, a grinding roller, a pair of bearing boxes supporting the roller, a first member pivotally connected to the bearing boxes, another member pivoted to the frame, means for pivotally connecting the first member to the said other member at a point upon said first member equidistantly from the

said bearing boxes and mechanism for operating the said other member upon its pivot whereby to



apply pressure to the said connection for the purpose set forth.

2,082,499
CHAIR IRON
Edward C. Keyworth, Gardner, Mass., assignor to Collier-Keyworth Company, Gardner, Mass., a corporation of Massachusetts
Application May 25, 1934, Serial No. 727,482
8 Claims. (Cl. 155—77)

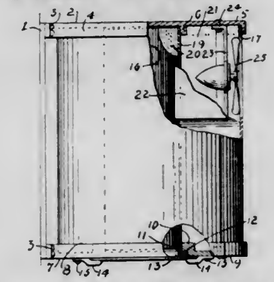


2. A chair iron for a tilting chair, comprising parts pivoted together for attachment to the chair seat and to the chair base, respectively, one of said parts having a spring seat, a coil spring having one end engaging in said spring seat, a member having a spring seat engageable with the other end of said spring, means engaging said member and the other of said parts eccentric to the pivot between said parts for adjusting the tension of said spring and tending to hold said chair seat in non-tilted position, and a resilient core member within said spring and of a diameter slightly less than the interior of said spring and effective when said spring breaks to hold the broken parts of said spring substantially coaxial, said core being of a length to be compressed between said spring seats when said chair is near its limit of backward tilting and out of contact with one of said spring seats at all other times.

2,082,500
CATALYTIC POLYMERIZATION
Ward E. Kuentzel, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 17, 1934, Serial No. 757,903
12 Claims. (Cl. 196—10)

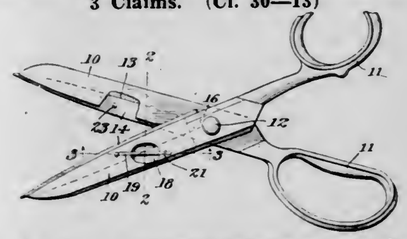
7. A process for the polymerization of olefinic gases containing olefinic hydrocarbons having a molecular weight greater than that of ethylene to form polymerization products within the gasoline boiling point range, comprising contacting said gases with a catalyst selected from the group consisting of a double salt of aluminum chloride with a chloride of the first metallic element of a group of the periodic system and magnesium at a temperature substantially within the range of 100° F. to 550° F., at a pressure substantially within the range of 200 lbs. per square inch to 3000 lbs. per square inch and at a rate of flow substantially within the range of 400–25,800 cu. ft. of free feed gas per cu. ft. of free catalyst space per hour.

2,082,501
AIR CONDITIONER
James Lovely, San Jose, Calif., assignor of one-half to Luther Rice, San Jose, Calif.
Application April 9, 1936, Serial No. 73,451
2 Claims. (Cl. 62—91.5)



1. An air conditioner comprising, a cylindrical housing having air inlet and discharge passages formed therein at opposite ends thereof, air circulating means associated with one passage, a container for solidified carbon dioxide removably supported within the housing in spaced relation to its walls to form a cylindrical chamber therebetween, a passage connecting the interior of the container with said chamber, and means inserted between the housing and container to direct the circulated air in a circuitous path about the container from the inlet to the discharge passage.

2,082,502
SCISSORS
Perry McCaw, Sappho, Wash.
Application November 25, 1936, Serial No. 112,792
3 Claims. (Cl. 30—13)

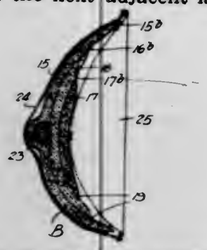


1. A pair of scissors including crossed shanks pivoted together at their crossing and terminating in handles, blades carried by said shanks, thumb and finger receiving recesses in the outer faces of the shanks, and spring latches carried by the shanks and extending across said recesses flush with the outer faces of the shanks and terminally removably engaged in said shanks and said blades.

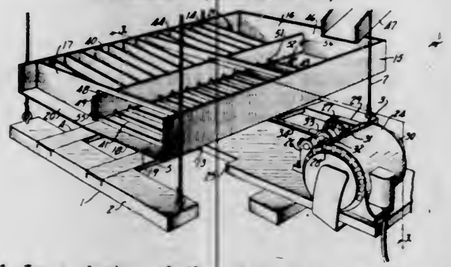
2,082,503
BUST PAD
Elsie B. Meadows, Los Angeles, Calif., assignor of one-half to Edwin D. Jones, Los Angeles, Calif.
Application January 24, 1934, Serial No. 708,022
10 Claims. (Cl. 2—267)

1. A bust pad having layers of fabric graduated in size and secured together to form a concavo-convex body; and means situated between

that layer of fabric forming the convex side of the body and the next adjacent layer for causing a portion of the first mentioned layer to protrude and form a nipple.



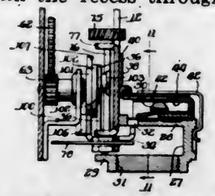
2,082,504
CONCENTRATING MACHINE
John W. Merritt, Tulsa, Okla.
Application December 10, 1934, Serial No. 756,748
3 Claims. (Cl. 209—437)



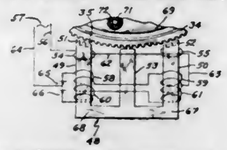
1. In a device of the character described, a concentrator pan including a sluice section having a tailings discharge opening and a quiescent zone section having a concentrate discharge opening, riffles in the sluice section having upwardly extending ends projecting through said quiescent zone section to said concentrate discharge opening for forming concentrate segregating channels and promoting quiescent state of water in the quiescent zone section, means for delivering material to the sluice section for flow thereacross, means forming a part of the quiescent zone section for maintaining a definite water level in said sections whereby water in the quiescent zone section is maintained in substantially still condition, and means for effecting continuous advancement of concentrated material from the sluice section toward said quiescent zone section for segregation in said channels and discharge from said concentrate discharge opening.

2,082,505
MOTION PICTURE CAMERA
Lewis H. Moomaw, Wilmette, Ill., assignor to Keystone Mfg. Co., Boston, Mass., a corporation of Massachusetts
Application September 29, 1933, Serial No. 691,438
10 Claims. (Cl. 88—17)

6. In a motion picture camera, in combination, spaced frame members including a partition, an operating motor therebetween, an integral one-piece member secured to said partition, said member having spaced front and rear walls forming a recess in the member which is open on the side toward the partition, the rear wall having an exposure aperture therein and said front wall providing an opening for receiving a lens, means operated by said motor for intermittently feeding the film past the exposure aperture, said means including a claw arm extending within the recess through the opening thereof, and said claw arm operating through an opening in the rear wall of the member.

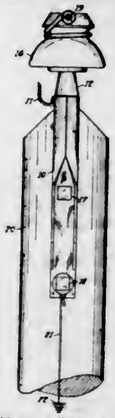


2,082,506
ALTERNATING CURRENT MOTOR
Thomas J. Murphy, Stamford, Conn.
Application February 23, 1935, Serial No. 7,795
12 Claims. (Cl. 172—275)



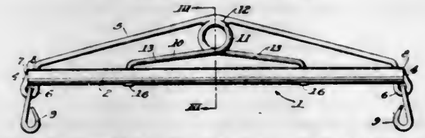
1. In a synchronous motor, a rotor having spaced pole portions, a magnetic core comprising a plurality of spaced legs connected at one end, spaced poles on the outer legs arranged in inductive relation to said rotor, the poles on one leg being in alignment with poles on the rotor when the poles on the other leg are out of alignment with the poles on the rotor, two sets of coils, means for supplying uni-directional current to one set of coils, and means for connecting the second set of coils with an alternating current supply said latter coils being so connected as to alternately suppress the flux in the outer poles during each cycle.

2,082,507
POLE-TOP PIN
Ralph R. Pittman, Pine Bluff, Ark.
Application May 20, 1935, Serial No. 22,420
2 Claims. (Cl. 173—321)



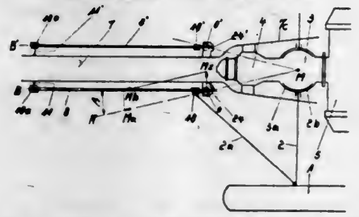
1. The combination with a metal pole-top pin having insulating means for supporting a conductor above the top of a pole, of a wire-stringing member of conducting material secured to said pin adjacent the upper portion thereof and extending outwardly and upwardly above the top of the pole, the upper end of said member being positioned so that the weakest electrical path from the conductor to the pin is through said wire-stringing member.

2,082,508
METALLIC SINGLETREE OR DOUBLETREE
George E. Powers, London, Ohio, assignor to Ernest Heil, London, Ohio
Application May 12, 1936, Serial No. 79,301
1 Claim. (Cl. 278—93)



An all-metal singletree comprising an open-ended pipe-like body of substantially uniform diameter throughout its length, said body being provided with sets of transversely aligned apertures adjacent to the ends thereof, a substantially V-shaped truss rod arranged in the horizontal plane of said body and projecting in advance thereof, the ends of said rod being formed to produce substantially U-shaped loops, one leg of each of said loops being received within one of said sets of apertures and the opposite leg of said loop terminated and positioned within one of the open ends of said body, and a brace rod arranged in the plane of the truss rod, said brace rod being bent intermediately of its length to form an eye having secured connection with the apex portion of said truss rod, the oppositely extending end portions of said brace rod being connected with said body intermediately of the length of the latter.

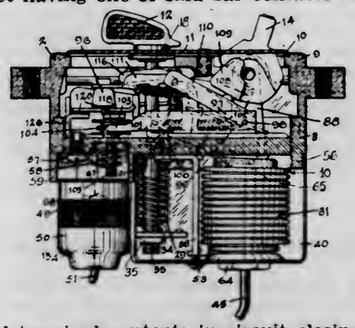
2,082,509
SPRINGING ARRANGEMENT
Karl Rabe, Stuttgart, Germany
Application January 10, 1935, Serial No. 1,224
In Germany January 18, 1934
23 Claims. (Cl. 267—57)



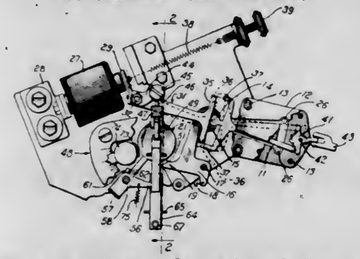
1. In a spring suspension system for vehicles, a road wheel, a swinging half axle on which said wheel is mounted, a swinging strut rigidly connected at one end to said half axle, a frame in which the swinging half axle is supported, a torsion spring supported by said frame, a firm connection between said torsion spring and the other end of said strut, and a bearing on said frame supporting the torsion spring adjacent said firm connection with freedom of movement in all directions.

2,082,510
REFRIGERATOR CONTROL
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application June 8, 1933, Serial No. 674,918
13 Claims. (Cl. 200—83)

1. In a refrigerator electric control device, a shell, a pair of switches comprising a pair of movable contacts and located in the shell, a pair of terminals protruding from the shell, a pair of conductor bars, each terminal and conductor bar having a contact secured thereto, each movable contact having one of said bar contacts and one of said terminal contacts in circuit closing relation therewith, a thermic overload device for controlling one of the switches and connected to the said bars, and means for connecting the terminals with the external circuit.

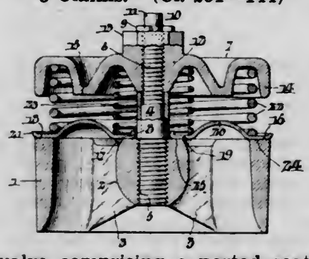


2,082,511
PRINTING TELEGRAPH APPARATUS
Albert H. Reiber, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application August 30, 1934, Serial No. 742,067
26 Claims. (Cl. 178—33)



1. In a printing telegraph selector system, means responsive to code combinations of selecting conditions, rotary selecting elements controlled by said means, and a double trip-off latch mechanism effective under certain conditions for arresting said selecting elements.

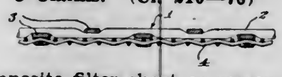
2,082,512
VALVE
Maurice F. Richardson, Berwyn, Pa.
Application September 9, 1936, Serial No. 99,908
3 Claims. (Cl. 251—144)



1. A valve comprising a ported seat member with a central stem; stop means threaded on the stem upper portion and embodying annular recesses with an intervening guard section and a

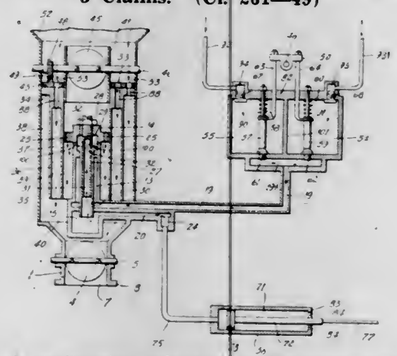
co-axial polygonal manipulator extension; a sleeve on the stem spacing the seat member and stop means; an axially apertured valve disc intermediate the seat member and stop means having its aperture rounded for free tilting coaction with the sleeve aforesaid; and concentric helical-springs of differential strength between the valve disc and stop means, one of which serves to prevent said disc when tilted from striking the guard section, and said springs jointly permitting the valve disc to move into contact with the guard section without metal to metal compression of their convolutions.

2,082,513
FILTER SIEVE AND ART OF MAKING THE SAME
Eugene Roberts, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah, a corporation of Utah
Application July 26, 1934, Serial No. 737,052
3 Claims. (Cl. 210—76)



1. A composite filter sheet or screen comprising a relatively coarse and stiff wire mesh backing having the intersections of its interwoven wires flattened to substantially the thickness of the non-intersecting portions of the wires, and a fine foraminous sieve sheet laid in face to face contact with the flattened areas of the mesh and integrally united therewith throughout their interforaminal contacting areas by an intervening film of low-fusing metal which penetrates the subtending interstices of the sieve to form a retaining matrix therefor.

2,082,514
CARBURETOR
Ivan Chance Robinson, Ferguson, Mo.
Application January 6, 1936, Serial No. 57,723
3 Claims. (Cl. 261—49)



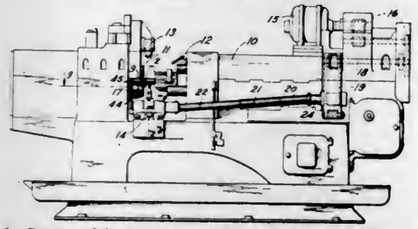
1. A carburetor adapted to be connected to the intake manifold of an internal combustion engine, said carburetor being provided with a mixing chamber having a vaporizing air inlet passage, a plurality of cooling air inlet passages around said vaporizing air inlet passage, a vaporizing nozzle having a plurality of small vaporizing air passages in said vaporizing air inlet passage, a choke valve for controlling the amount and velocity of the air that passes through said vaporizing air inlet passage through said vaporizing air passages in said vaporizing nozzle into said mixing chamber, an air valve for controlling the amount and velocity of the air that passes through said cooling air inlet passages into said mixing chamber, a throttle valve for controlling the amount of fuel that passes into the intake manifold and the suction in the different air inlet passages when the engine is in operation, a manually operated means for the operation of said choke valve and said air valve in conjunction with said throttle valve.

2,082,515
DRYING OIL PRODUCT AND PROCESS OF MAKING SAME
Frank Brian Root, Caldwell, N. J.
No Drawing. Application April 13, 1934, Serial No. 720,441
9 Claims. (Cl. 134—26)

1. The process of making a drying oil product consisting in heating under reaction conditions a mixture consisting essentially of the two components: a glyceride drying oil and formaldehyde.

9. The process of making a phenol resin varnish base consisting in heating tung oil and formaldehyde at reaction temperature and dissolving in the formaldehyde-drying oil product thus formed a simple phenol-formaldehyde resin normally insoluble in tung oil.

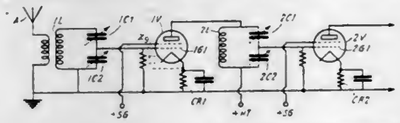
2,082,516
TURNING ATTACHMENT
Harry W. Rupple, Shaker Heights, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application May 8, 1936, Serial No. 78,636
7 Claims. (Cl. 29—57)



1. In combination with a multiple spindle screw machine having a drive shaft, a plurality of rotatable eccentric work holding collets driven thereby and a cross slide, a turning attachment for forming eccentric studs comprising a base mounted on said cross slide, a cam shaft journaled thereon, a circular cam on said cam shaft, a tool block mounted on said cam, a cutting tool on said tool block engageable with the stock in said collet, gearing on said drive shaft, yieldable driving connections between said gearing and said cam shaft for rotating said cam shaft synchronously with said drive shaft and means coordinated with said collets and said driving connections for adjusting the eccentricity of the collets with cam.

2,082,517
THERMIONIC VALVE AMPLIFIER
Noël Meyer Rust and Francis Money Graham Murphy, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application June 7, 1935, Serial No. 25,414
In Great Britain May 28, 1934
2 Claims. (Cl. 179—171)

1. A tunable high frequency amplifier circuit comprising an electron discharge tube of the screen grid type, a source of high frequency signals to be amplified, a signal input network coupling said source to the input electrodes of the tube, said input network comprising a coil in shunt with a path including at least two capacitative impedances in series, the tube input electrodes being connected solely across one of the impedances to substantially minimize the effect of the impedance between the input electrodes

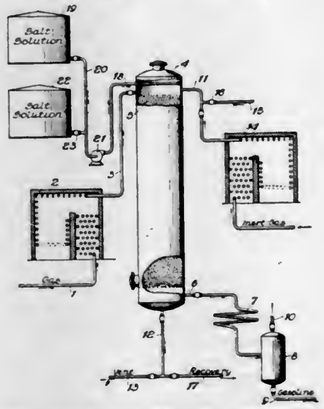


upon the input network, the other impedance being smaller in capacity value than said one impedance and being adjustable to vary the tuning of the amplifier over a desired frequency range, the magnitude of said one impedance being substantially smaller than that of said input impedance at any frequency to which said input network is tuned, and an output circuit coupled to the output electrodes of the tube.

2,082,518
CATALYTIC POLYMERIZATION AND POLYMERIZATION CATALYSTS
Robert F. Ruthruff, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application August 10, 1934, Serial No. 739,281
17 Claims. (Cl. 196—10)

10. A process for the conversion of normally gaseous hydrocarbons containing unsaturated hydrocarbons having a molecular weight greater than that of ethylene into hydrocarbons of higher molecular weight, which comprises contacting said hydrocarbons with a stable double salt of an aluminum halide and a metallic halide selected from the group consisting of those metallic bromides and metallic iodides having internal pressures of not more than 10,000 atmospheres.

2,082,519
OLEFIN POLYMERIZATION
Robert F. Ruthruff, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application September 8, 1934, Serial No. 743,251
2 Claims. (Cl. 196—10)

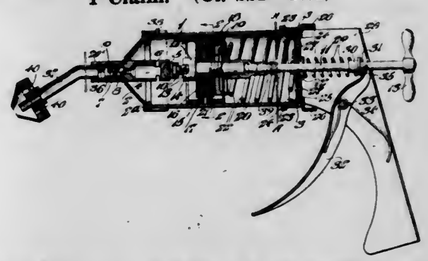


1. In an operation wherein normally gaseous hydrocarbons which are olefinic in character are subjected to elevated temperatures and pressures to effect polymerization thereof into higher boiling liquid hydrocarbons while in contact with a catalyst comprising a double salt of sodium chloride and aluminum chloride disposed on a suitable support, which operation when carried out over a period of time contaminates said catalyst and materially decreases the activity thereof, the improvement of restoring the activity of the catalyst which comprises interrupting the supply of said normally gaseous hydrocarbons being treated, treating said catalyst with a solution of said double salt to substantially eliminate said contamination and effect reimpregnation of said catalyst support with said double salt, heating said catalyst mass to remove moisture therefrom, and thereafter introducing chlorine into intimate contact with said catalyst to restore the activity thereof.

2,082,520
CONVERSION OF HYDROCARBON GASES TO LIQUIDS
Robert F. Ruthruff, Hammond, and Ward E. Kuentzel, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 17, 1934, Serial No. 757,904
17 Claims. (Cl. 196—10)

4. In a process for catalytically polymerizing olefinic gases containing olefinic hydrocarbons having a molecular weight higher than ethylene to liquid hydrocarbons containing a substantial proportion of liquid hydrocarbons of the gasoline boiling range, the steps of passing said olefinic gases through a catalyst of the aluminum halide stable double metallic salt type at a rate of from 850–5200 cu. ft. free gas/cu. ft. free catalyst volume/hour while at a temperature of 350°–550° F. and under a pressure of 200–1000 lbs./sq. in. above atmospheric, and recovering and separating liquid products from unconverted gases.

2,082,521
PRESSURE GREASE GUN
Franz Karl Schneider and Fred Henry Ehnts, Philadelphia, Pa.
Application May 9, 1936, Serial No. 78,834
1 Claim. (Cl. 221—47.4)



A grease gun, comprising a low pressure cylinder adapted to contain grease, having a back pressure indicating nozzle and closure cap at one end and a closure cap and a rotatable coupling plate at the other end, a stock attached to said rotatable coupling plate and containing a trigger, a low pressure piston in said low pressure cylinder, a piston rod, a pin and a bayonet slot connection for detachably locking said rod to said low pressure piston, a spring retaining sleeve slidably disposed on said rod, a coil spring disposed on said rod between said spring retaining sleeve

and said coupling plate, a high pressure piston attached to the end of said rod, a high pressure cylinder mounted near the nozzle end of said low pressure cylinder and adapted to receive said high pressure piston, a piston rod spring disposed about said piston rod as it passes through said stock, a trigger spring, said piston rod spring and said trigger spring coacting with said trigger and said piston rod to impart a reciprocating motion to said high pressure piston, and a latch attached to said coupling plate and cooperating with said spring retaining sleeve for locking said spring retaining sleeve in retracted spring compressing position whereby said low pressure piston can be moved independently thereof.

2,082,522
PROTECTIVE CLOTHESPIN
James A. Scott and Braidwood B. Higgins, San Francisco, Calif.
Application August 14, 1936, Serial No. 96,039
2 Claims. (Cl. 24—262)



1. In a device of the class described, a clothespin provided with a spring, a protector, said protector being rectangular in shape, one end adapted to form an elongated tab, said tab adapted to be folded upon itself to provide strength, and said tab being engaged by said spring, substantially as described.

2,082,523
ELECTRIC SIGN
Jacob Jay Segal, Irvington, N. J., assignor to Road-Knight Corporation, New York, N. Y., a corporation of New York
Application April 10, 1936, Serial No. 73,653
7 Claims. (Cl. 40—130)



6. A display sign of the neon tubing type comprising a back board upon the face of which is secured tubing in display configuration, a stencil board at least twice as thick as said tubing and cut through to conform to said display configuration, the surfaces of the cuts in said stencil board being treated to enhance the illumination effect thereof, and means securing said boards together to form a unitary structure.

2,082,524
VEGETABLE SLICER
Robert L. Sell, Ocean Port, N. J.
Application February 12, 1936, Serial No. 63,611
2 Claims. (Cl. 146—170)

1. A vegetable slicer comprising a combined body and handle formed of a series of wooden strips having an opening therein extending from the upper surface to the under surface thereof, two bolts extended laterally through the body on opposite sides of said opening, one being nearer the under surface of the body than the other and both being inclined upwardly from one side



of the body to the other, a series of blades having notches on their under surfaces and having their end portions extended between said wooden strips with their notched portions engaging said bolts, and nuts for said bolts whereby the blades may be firmly clamped between the wooden strips.

2,082,525
ANTIOXIDANTS
Arthur W. Sloan, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application May 26, 1933, Serial No. 673,118
4 Claims. (Cl. 18—50)

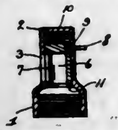
1. The method of preserving rubber which comprises treating rubber with 2,4,2',4' tetraamino 5,5' dimethyl diphenyl methane.

2,082,526
PRODUCTION OF ALUMINA SUBSTANTIALLY FREE FROM SILICIC ACID FROM ALKALINE EARTH ALUMINATES
Josef Stöhr and Erich Reidt, Waldshut, Germany, assignors to Lonza Elektrizitatswerke und Chemische Fabriken Aktiengesellschaft (Gampel), Basel, Switzerland
No Drawing. Application April 10, 1936, Serial No. 73,810. In Germany April 20, 1935
7 Claims. (Cl. 23—141)

1. In a process for the production of alumina, practically free from silicic acid, by lixiviation of alkaline earth aluminate containing silicic acid soluble in alkali carbonate with a solution of alkali carbonate, separation of the alkali metal aluminate solution from the undissolved residue, and precipitation of the alumina, the step which consists in subjecting the alkaline earth aluminate before lixiviation to an oxidation treatment with an oxygen containing gas at raised temperature.

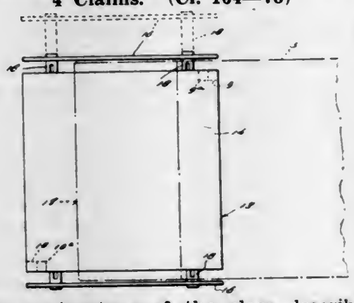
2,082,527
DISPENSING DEVICE
Frank Taylor, Sedalia, Mo.
Application October 9, 1936, Serial No. 104,873
3 Claims. (Cl. 221—60)

1. A collapsible tube closure comprising a screw cap having a port, a rotary plug in said cap having an opening therethrough, a pin projecting from said plug and providing means for rotating the latter to place the said opening in and out of registration with the said port, said pin travelling in an angular slot in the said cap,



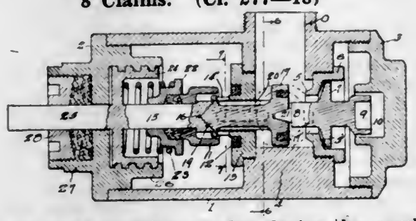
and a spring between one end of the plug and the adjacent end of the cap and tensioned to exert axial pressure on the plug to hold the latter and the pin in any position to which turned.

2,082,528
ROTATABLE CLOTH HOLDING MEANS
Charles Tregar, Philadelphia, Pa.
Application September 4, 1936, Serial No. 99,501
4 Claims. (Cl. 164—78)



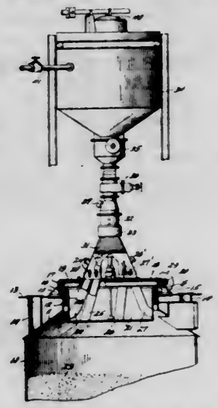
1. In a structure of the class described, in combination, a cloth cutting table, a tray having adjustable means to accommodate cloth of varying widths, means for rotatably mounting the tray on the table, and stop means for limiting the rotation of the tray in the manner and for the purposes described.

2,082,529
VALVE DEVICE
Charles G. Wall, Philadelphia, Pa.
Application July 18, 1936, Serial No. 91,415
Renewed April 19, 1937
8 Claims. (Cl. 277—18)



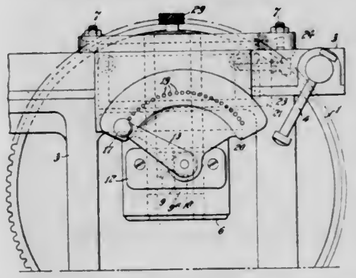
1. In a water-mixing valve-device the combination with a casing having an interior mixing chamber and a cold water valve seat opening into the chamber at one end, and an open-center holder at the other end of the chamber having a valve seat exterior of the chamber, of a floating piston mounted in the holder having a head forming a valve adapted to close the cold water seat, means operative under cold water pressure to unseat the cold water valve, a longitudinally movable stem and a valve thereon to close the exterior valve seat, and said piston having means for communication between the mixing chamber and the hot water side of the casing.

2,082,530
GAS PRODUCER
Oliver Zeisloft and Frank N. Becker, Jeddo, Pa., assignors to Jeddo-Highland Coal Company, Jeddo, Pa., a corporation of Pennsylvania
Application March 25, 1935, Serial No. 12,966
5 Claims. (Cl. 48—86)



4. The combination with the stationary shell of a gas producer of a revoluble top supported thereon, a single stationary fuel supply conduit disposed above the top and having its circular fuel discharge port coaxial with the producer shell and top, a plurality of fuel feeding conduits supported by and extending through the top, the longitudinal axes of said conduits being so disposed with respect to each other and to the producer axis that fuel passed downwardly through the several conduits, respectively, is deposited upon different areas of the fuel bed surface, means for conducting fuel from the discharge port of the fuel supply conduit to said fuel feeding conduits, and means for water cooling said fuel feeding conduits throughout the entire length thereof.

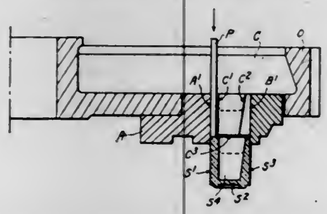
2,082,531
TYPOGRAPHICAL SLUG CASTING MACHINE
Christian Augustus Albrecht, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York
Application May 10, 1935, Serial No. 20,802
In Germany May 18, 1934
17 Claims. (Cl. 199—47)



1. In a typographical slug casting machine, the combination with a mould and a stationary vise frame, in which a line of matrices is supported in casting relation to the mould, of a hand stick in which matrices are composed in line, a hand stick carrier permanently mounted on the vise frame, comprising a member slid-

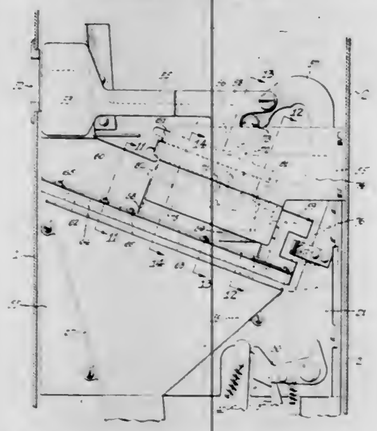
able in fixed guides, a rack operatively fast to said slidable member, a pinion engaging said rack, a bearing member fixed relatively to the vise frame in which said pinion is rotatable, a lever adapted to rotate said pinion and a locking device adapted to secure said lever against displacement from its adjusted position.

2,082,532
MOLD OF TYPOGRAPHICAL SLUG CASTING MACHINES
Christian Augustus Albrecht, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York
Application June 3, 1935, Serial No. 24,628
In Germany June 12, 1934
4 Claims. (Cl. 199—55)



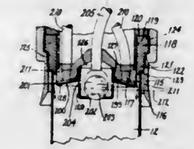
3. In or for a typographical slug-casting machine, a mold for casting slugs U-shaped in cross section and comprising a plurality of core members located between the side walls of the mold and separated by grooves said core members presenting surfaces inclined rearwardly towards one wall of the mold and surfaces parallel with the opposite wall of the mold.

2,082,533
COIN CONTROLLED VENDING MACHINE
Harry S. Benjamin, Utica, N. Y.
Application July 12, 1935, Serial No. 31,068
6 Claims. (Cl. 194—97)



1. In a vending machine, the combination with a casing, a coin chute in said casing having an opening in one side of said chute, and merchandise delivery mechanism in said casing; of a pivoted coin stop member projecting into the path of a coin passing down said chute and swingable by impact of a coin thereagainst passing down said chute, and means operated by said delivery mechanism for positively swinging said stop member from across said opening.

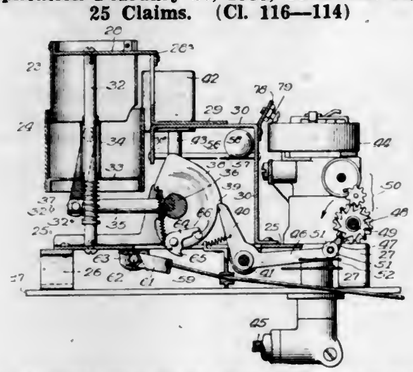
2,082,534
APPARATUS FOR FILLING LIQUID RECEPTACLES
Carlton W. Bondurant, Cleveland, Ohio, assignor to The Bishop & Babcock Mfg. Company, Cleveland Ohio, a corporation of Ohio
Application March 6, 1934, Serial No. 714,288
16 Claims. (Cl. 226—114)



1. A filling head for the introduction of liquid to a receptacle comprising guide means for guiding the receptacle mouth to a suitable position for filling the receptacle from said head, a sealing ring engaged by the receptacle mouth surfaces, said head comprising fluid conducting passages, one of said passages provided for the introduction of liquid into an associated receptacle, and another of said passages permitting the escape of gas displaced by liquid supply to the receptacle through said first passage, a fitting on said head comprising a perforate float cage, and an outwardly directed peripheral flange, a float within the cage, said float having at least a substantial portion disposed below the level of the mouth of an associated receptacle when the receptacle is in sealed filling relation with said head, said float being adapted to stop gas escape through the said other passage when lifted by liquid rising within the receptacle to a predetermined level, said liquid passage terminating above said fitting flange so as to direct supplied liquid upon said flange, intraperipherally thereof, said flange deflecting introduced liquid outwardly against adjacent inner walls of the receptacle to restrain agitation of the liquid within the receptacle.

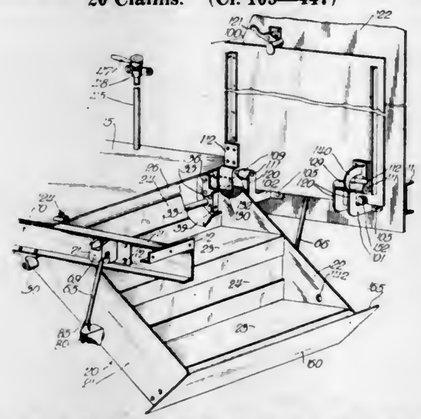
7. In a receptacle filling apparatus, a filler head comprising sealing means upon which a mouth portion of a receptacle to be filled may be sealed, nozzle means on the head comprising conduit means for introducing liquid to the receptacle interior, means for introducing gas into the receptacle under pressure, means for shutting off flow of liquid into the receptacle when filled leaving the liquid in the receptacle under gas pressure, the sealing means surrounding the nozzle means, and the sealing means being contractible and expansible whereby upon relative movement of the receptacle and nozzle means, the receptacle may be sealed upon the sealing means and the nozzle means may be projected into the receptacle, maintaining the seal, said sealing means comprising a substantially tubular element of inherently resilient material adapted to be longitudinally compressed during the bottling operation by pressure engagement effected upon an end thereof by the mouth of the receptacle, compression of said sealing means adapted to increase the projection of said nozzle means into the receptacle and the sealing means adapted to maintain the seal upon withdrawal movement of the nozzle means after shutting off of liquid flow substantially until atmospheric pressure is attained in the receptacle.

2,082,535
SIGNAL AND BRAKE TESTING DEVICE FOR MOTORCARS AND THE LIKE
Russell G. Bourdon, Muskegon, Mich., assignor of one-third to L. H. Rietdyk and one-third to R. H. McGowan, Muskegon, Mich.
Application February 27, 1936, Serial No. 66,001
25 Claims. (Cl. 116—114)



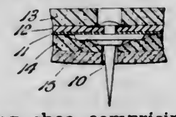
1. A signal and brake testing device for motor cars, including a normally displayed safety signal and a normally concealed danger signal movable to display position, an operating member for moving said danger signal to display position, locking means engaged with said operating member to retain said danger signal in concealed position, a gravity controlled device connected to said operating member for actuating the same, and means for releasing said locking means at predetermined intervals.

2,082,536
RAIL CAR
Robert J. Burrows and Alfred O. Williams, Battle Creek, Mich., assignors, by mesne assignments, to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application February 15, 1933, Serial No. 656,907
20 Claims. (Cl. 105—447)



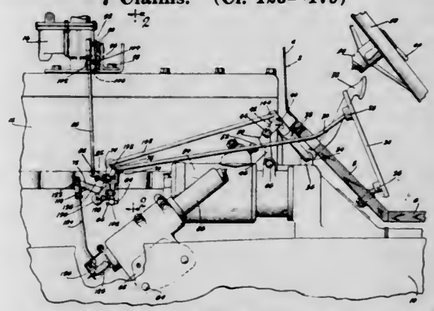
1. In a car, a frame, a car body including side walls and a platform supported upon said frame, car steps including side rails and a plurality of risers and treads rigidly interconnected with and carried by the side rails, means pivotally connecting the side rails adjacent one end with the car frame, means reacting against the car frame and each of the side rails for supporting the steps in their lower position, said steps being adapted to be swung upwardly into a substantially horizontal position, and means separate from said supporting means for retaining said steps in their upper position.

2,082,537
RUNNING AND LIKE ATHLETIC SHOE
Guy Montagu Butler, Chipperfield, England
Application December 14, 1935, Serial No. 54,362
In Great Britain December 15, 1934
4 Claims. (Cl. 36—2.5)



1. A running shoe comprising an upper, an outer sole attached to said upper and having holes therein, a flexible metal plate removably and interchangeably engaged in the shoe, metal spikes attached to said metal plate, said spikes being located so as to register with the holes in the outer sole, a yielding insole interposed between the inner surface of the outer sole and the flexible metal plate through which the spikes pass, and a yielding pad of soft material arranged over the top surface of the flexible metal plate.

2,082,538
THROTTLE HOOK-UP
James Dykstra and Anatole M. Wauters, Lansing, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 17, 1931, Serial No. 569,368
7 Claims. (Cl. 123—179)

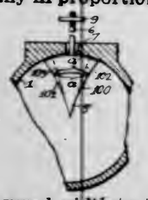


1. In combination with an internal combustion engine having a starting device, an accelerator pedal and a carburetor, a throttle interrelated with a carburetor, means to operate the starting device, means connected to the accelerator pedal to operate the throttle, means connected with the starter operating means and interconnected with the throttle operating means to move the throttle toward open position simultaneously with the starting of the engine, and means to cause the starter mechanism to return to normal position and the throttle operating mechanism to return the throttle toward closing position, and means operable by the means for operating said starting device for causing said throttle to be left in partly open position sufficient for idling of the engine.

2,082,539
FLOW METER
Edward Lee Fischer, Davenport, Iowa
Application March 15, 1933, Serial No. 660,822
2 Claims. (Cl. 73—228)

1. Means for measuring fluid flow in a pipe, comprising a narrow impact vane extending from substantially the center of the pipe to substan-

tially the inner periphery thereof, and of a width varying substantially in proportion to the distance



from a line of measured width to the center of the pipe.

2,082,540

FLAT BELT DRIVE

Randolph E. S. Geare, Philadelphia, Pa., assignor to L. H. Gilmer Co., Philadelphia, Pa., a corporation of New Jersey

Application July 29, 1935, Serial No. 33,758
2 Claims. (Cl. 74—219)



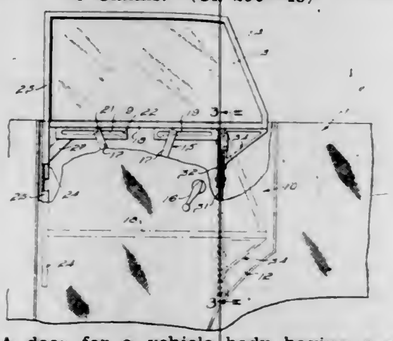
1. A short center drive flat drive belt structure comprising driving and driven pulleys each of a substantially uniform diameter from side to side thereof, said pulleys being rotatable about substantially parallel axes and providing comparatively wide belt engaging surfaces, a drive belt unit formed of a plurality of individual narrow flat belts arranged side by side and extending between and engaging said belt engaging surfaces of the pulleys, said belts being free from connection with each other and from imposed tensions thereon to allow individual flexing actions and independent and differential creeping actions thereof relative to each other and to the pulleys and forming fractional pulling elements adapted owing to their relatively narrow widths and freedom from restricting connections with each other to maintain their flat form in travel about the belt engaging surfaces of the pulleys whereby to make the traction pull uniform from side to side of the drive belt unit, whereby the sum total of a tractive effort of said flat belts is substantially greater than the tractive effort of a single belt having substantially the same width as the sum total width of said flat belts.

2,082,541

WINDOW SUPPORT AND GUIDING MEANS

Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware

Application April 22, 1935, Serial No. 17,560
6 Claims. (Cl. 296—48)



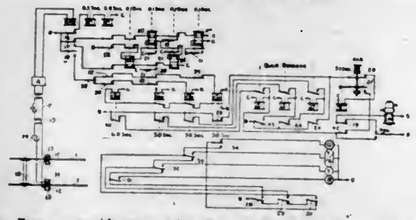
1. A door for a vehicle body having a well therein, a window having a frame thereabout movable downwardly and upwardly into and from said well, a guide on one edge of said frame extending below the window, a guide extending below the window inwardly from the opposite edge of said window, a casting interconnecting said guide and said frame, said casting having a projecting flange extending above the corner of said window, and means for securing said casting to the corner of said frame and said guide.

2,082,542

AUTOMATIC TRAIN CONTROL SYSTEM

William D. Hailes, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application October 22, 1927, Serial No. 228,059
26 Claims. (Cl. 246—63)



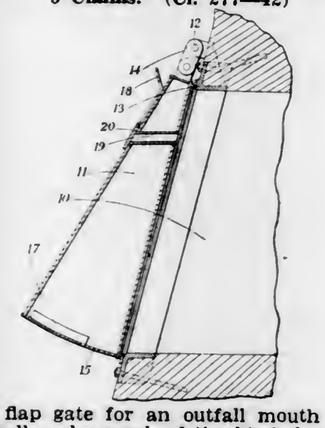
1. In a continuous train control system, means controlled in accordance with traffic conditions for putting cyclic type coded alternating current on the track rails of an occupied block only, and car-carried decoding means responsive to said coded current to set up distinctive energizing circuits, each cycle of said cylic code comprising a sending period including separate current impulses followed by a non-sending period of substantially greater length than the portions separating said separate current impulses.

2,082,543

FLAP GATE

Eric Chester Hillman, Mapperley Park, Nottingham, England

Application May 29, 1936, Serial No. 82,619
In Great Britain January 26, 1935
5 Claims. (Cl. 277—42)



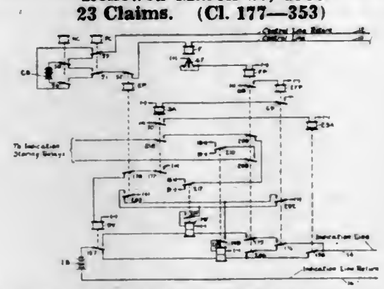
1. A flap gate for an outfall mouth that is periodically submerged, of the kind that is pivotally suspended and is adapted to be opened by the pressure of liquid on the culvert against the head outside and to close when the external head exceeds that of the culvert, which gate is made of metal but has a specific gravity only slightly in excess of that of the liquid in which it is destined to work.

2,082,544

CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Thomas J. Judge and Charles S. Bushnell, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

Application October 28, 1932, Serial No. 640,062
Renewed March 27, 1936
23 Claims. (Cl. 177—353)



4. In a remote control system, a control office, a field station, means for synchronously marking off a series of successive time periods at said control office and at said field station, an indication line circuit connecting said control office and said field station, two pulsing relays at said field station, two message receiving relays at said control office, means causing said indication line circuit to be conditioned by one of said pulsing relays during the odd time periods, means causing said indication line circuit to be conditioned by the other of said pulsing relays during the even time periods, means inserting one of said message receiving relays in said indication line circuit during the odd time periods, means inserting the other of said message receiving relays in said indication line circuit during the even time periods, and means for establishing the condition of each of said pulsing relays during the time period immediately preceding the time period during which it is effective to condition said indication line circuit.

2,082,545

METHOD OF MIXING

Evald C. Ljungberg, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

No Drawing. Application February 16, 1937, Serial No. 126,021
5 Claims. (Cl. 51—278)

1. A method of coating abrasive grain with ceramic bond which comprises mixing a mass of grain, adding a plasticizer in powdered form, continuing the mixing, adding water, continuing the mixing, adding powdered ceramic bond by sifting, and continuing the mixing until each grain is coated with a substantially uniform amount of ceramic bond and there is no ceramic bond unattached to grain.

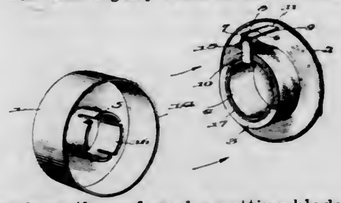
2,082,546

TAPE DISPENSING PACKAGE

Fred Machate and Fred Mason, Lansdale, Pa.

Application April 7, 1936, Serial No. 73,173
5 Claims. (Cl. 206—52)

1. A roll-strip dispensing package comprising in combination, a support for a roll of material including a supporting hub having a side disc rigidly secured to one end of said hub, means for retaining the roll on the hub and in contact with said disc including a right angle bracket having a side arm rigidly secured to the outer end of said hub and a top arm overlying the periphery of the roll and rigidly secured to the disc below



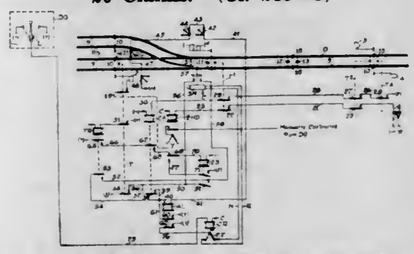
the periphery thereof, and a cutting blade rigidly mounted on the top bracket arm.

2,082,547

RAILWAY TRAFFIC CONTROLLING SYSTEM

Donald W. Mersereau, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application December 5, 1930, Serial No. 500,297
20 Claims. (Cl. 246—3)



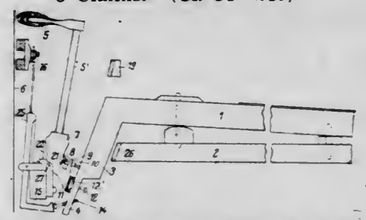
11. In combination, a directional stick relay for manifesting the direction of movement of a train, two adjacent track sections, a relay for each section deenergized during occupancy of the section with which it is associated, a slow acting device which assumes its deenergized position a short time after occupancy of one of said sections, and a pick-up circuit for said stick relay including in series back contacts of said relays and a front contact of said slow acting device.

2,082,548

ACTION FOR KEYBOARD INSTRUMENTS

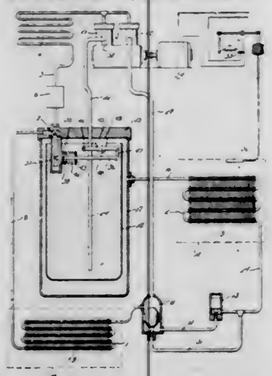
Wilhelm Pape, Berlin-Wilmersdorf, Germany

Application February 4, 1936, Serial No. 62,341
In Germany February 21, 1935
5 Claims. (Cl. 84—240)



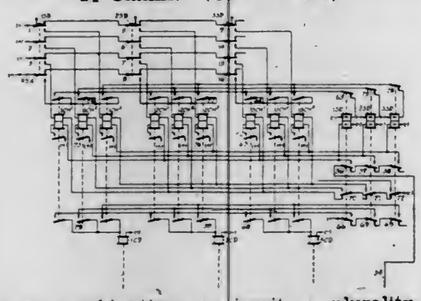
1. In a stringed musical instrument of the type described, a key, a pivoted hammer having a head and a stem, operatively connecting means between said key and said hammer comprising regulable rigid means operated by said key for transmitting the movement of the key to the hammer in a direction substantially parallel to the movement of the hammer about its pivot in striking a string, and rigid means operated by said key cooperating with said motion transmitting means to hold said hammer stem in a position slightly spaced from the corresponding string.

2,082,549
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application August 14, 1934, Serial No. 739,747
12 Claims. (Cl. 62—115)



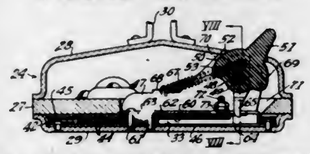
1. A refrigerating system comprising in combination a plurality of evaporators, means for withdrawing gaseous refrigerant from the evaporators condensing the same and conducting the condensed refrigerant to the evaporators, one of said evaporators being connected in series circuit relation with the other for receiving liquid refrigerant from the said other evaporator, each of said evaporators having a suction line connected with the first mentioned means, pressure responsive means responsive to the difference in pressures between said evaporators for causing refrigerant to be fed from said other evaporator to said one evaporator, means responsive to excess refrigerant from said other evaporator for by-passing the excess refrigerant around said pressure responsive means, for preventing liquid refrigerant from being conducted from the said other evaporator to the first mentioned means, a valve for controlling the flow of refrigerant from the first mentioned means to said evaporator, and means responsive to the condition at the outlet of said one evaporator for controlling said valve.

2,082,550
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Winfred T. Powell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 29, 1933, Serial No. 682,829
14 Claims. (Cl. 177—380)



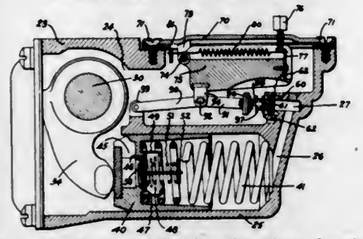
1. In combination, a circuit, a plurality of keys, a plurality of code determining relays corresponding to said keys, a plurality of groups of storing relays corresponding to said keys, means responsive to the consecutive actuations of said keys for consecutively operating storing relays in the groups corresponding to the actuated keys, circuit means controlled by said storing relays for selecting said code determining relays, a step-by-step device operating through a cycle in response to the operation of any code determining relay, means controlled by said step-by-step device for transmitting a distinctive code to said circuit in accordance with the particular code determining relay which is operated, means for operating said code determining relays between cycles of said step-by-step device in the order of location of the operated storing relay in the associated group, and means for selecting the particular storing relay in the group associated with the actuated key in accordance with the sequential order in which said key is actuated.

2,082,551
ELECTRIC VULCANIZER
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application February 1, 1934, Serial No. 709,385
8 Claims. (Cl. 219—19)



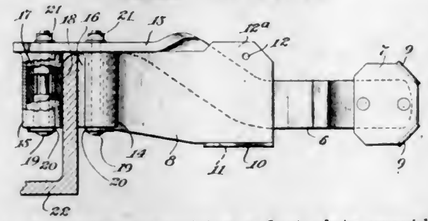
6. In an electric heater, a casing, resistor coils disposed within said casing contiguous to the bottom thereof, spaced terminals for said coils, a switch cooperative with said terminals, said switch including a latch lever, spring means normally tending to maintain said switch spaced from said contacts, a bar secured at one end to the bottom of said casing and having its free end engaged with said latch lever to maintain said switch in contact with said terminals against the influence of said spring means, and bi-metallic thermostatic strips connected with the bottom of said casing and cooperative with said bar to flex the outer end of the latter when the bottom of said casing attains a predetermined temperature whereby to effect the release of said latch lever and the automatic opening of said switch under the action of said spring means.

2,082,552
SHOCK ABSORBER
Walter W. Riedel, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 30, 1936, Serial No. 61,446
12 Claims. (Cl. 267—8)



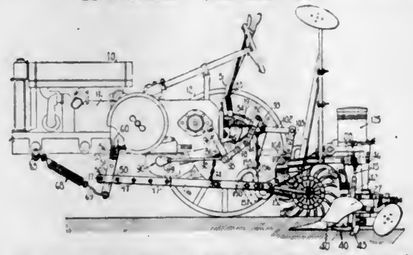
1. In a hydraulic shock absorber having a fluid displacement chamber provided with an outlet port, the combination with a valve for controlling the flow of fluid from said port; an inertia weight; a toggle joint adapted to be actuated by the weight to adjust said valve to increase its restriction to the fluid flow from said port; and resilient means interposed between the valve and toggle joint, yieldably urging said valve to close the port.

2,082,553
POLE CLIMBER
Harry E. Shaw, Elkins Park, and Joah Brogden, Melrose Park, Pa., assignors to Service Supply Corporation, Philadelphia, Pa.
Application February 1, 1937, Serial No. 123,553
7 Claims. (Cl. 227—26)



1. A climber comprising a foot plate provided with a forwardly extending bar and hollow retaining members projecting laterally from the bar, compressible friction members partly enclosed in said retaining members, and means to fasten the friction members within said retaining members.

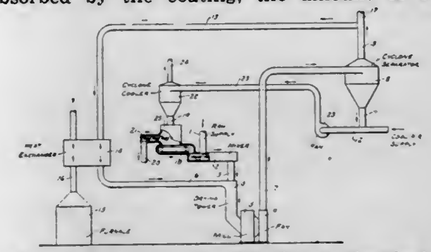
2,082,554
LISTER
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application December 12, 1932, Serial No. 646,845
48 Claims. (Cl. 111—59)



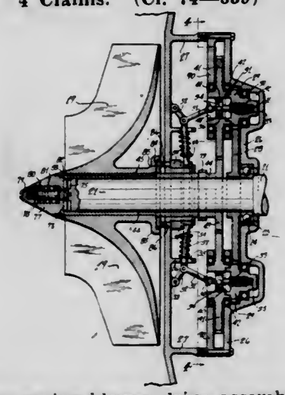
1. In an agricultural implement, a supporting frame, a generally longitudinally extending tool beam, a draft connection connecting the forward end of said beam with said frame for substantially vertical floating movement with respect thereto, a soil engaging tool carried at the rear end of said tool beam, and raising and lowering means operatively connected with said beam intermediate the ends thereof.

2,082,555
PROCESS FOR DRYING FISH SCRAP
Alfred R. Smith, Forest Hills, N. Y., assignor to Combustion Engineering Company, Inc., New York, N. Y.
Application January 17, 1936, Serial No. 59,575
3 Claims. (Cl. 34—24)

3. The process of drying fish meal and similar products consisting of discrete particles which on being heated liberate glue, comprising the steps of coating the particles of the fresh material with some previously dried material, suspending the particles so coated in a current of hot gases whereby they are dried and glue liberated is absorbed by the coating, the amount of said coating being such that the glue is absorbed by the coating without reaching its surface, and separating the particles so dried from the hot gases.



2,082,556
SUPERCHARGER DRIVE
Edward J. Smith and Eugene S. Bush, St. Louis, Mo.
Application October 18, 1934, Serial No. 748,824
4 Claims. (Cl. 74—359)

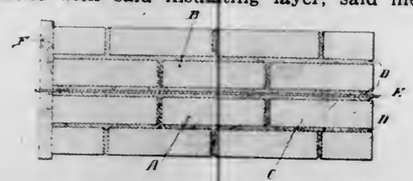


1. In an engine-blower drive assembly, a hollow shaft adapted as a mounting for a blower element, a drive shaft rotatably supporting the hollow shaft, a drive pinion on the hollow shaft, a pinion on the drive shaft, a train of gears including the said pinions, control means for selectively rendering the gear train operative and inoperative, including gear clutches internally of certain of the gears of the train, a separate clutch formed by interfitting elements on, and constituting a direct-drive connection between said shafts, the last said clutch elements being operable by relative axial displacement of the shafts, said control means including elements selectively operable to shift one of said shafts and make and break said shaft connection.

2,082,557
INSULATING INSERT OF METAL
Hermann von Forster, Niederursel, near Frankfort-on-the-Main, and Rudolf Haefner, Frankfort-on-the-Main-Heddernheim, Germany, assignors to Vereinigte Deutsche Metallwerke Aktiengesellschaft, Frankfort - on - the - Main, Germany, a corporation of Germany
Application December 21, 1934, Serial No. 758,548
In Germany December 23, 1933
6 Claims. (Cl. 72—127)

1. An insulated and water-proofed structure which comprises a base of brickwork, masonry, stonework, concrete and the like, an insulating

and water-proofing layer constituted of a corrosion-resistant metal directly positioned on said base, and a superstructure above and in direct contact with said insulating layer, said metal



strips being from about 0.1 mm. to about 0.5 mm. in thickness and having sufficient ductility and strength to conform to irregularities of the surface of said base and said superstructure without being perforated.

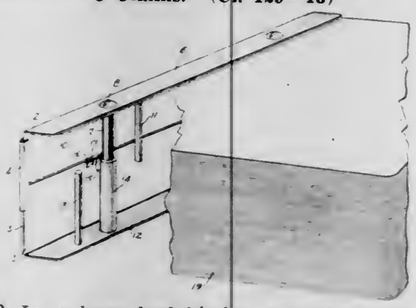
2,082,558

LOOSE LEAF BINDER

Paul O. Unger, Glen Ellyn, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts

Application August 11, 1934, Serial No. 739,401

3 Claims. (Cl. 129—13)



2. In a loose leaf binder, a back section, a flange extending at right angles to said back section, a sheet impaling post having one end permanently secured to said flange and the other end notched, and a supporting bracket secured to said back section and having a projection fitting into said notch, said projection being permanently secured to said post.

2,082,559

METHOD OF COATING FIBROUS MATERIAL

Morgan J. Vittengl, Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 1, 1934, Serial No. 742,448

4 Claims. (Cl. 91—68)

1. Process of preparing waterproof fabric which comprises applying to a suitable sheet fabric a thin coat of a 15% dispersion of rubber in gasoline, removing the gasoline, dusting the coated fabric with powdered mica, removing the surplus, applying a plurality of coats of latex containing about 40% rubber, and vulcanizing.

2,082,560

ISOVIOLANTHRONE DERIVATIVES AND THEIR PREPARATION

Alexander John Wuertz and William Hiram Lycan, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 18, 1935, Serial No. 45,576

14 Claims. (Cl. 260—61)

1. The process which comprises mono-substituting an isoviolanthrone initially having free Bz2, Bz2' positions by heating with a member of the group consisting of aldehydes, di-halo-methyl compounds, sulfonyl halides, carboxylic acid anhydrides and carbonyl halides, oxidizing the resultant by treatment with an oxidizing agent, reducing the oxidized product by treatment under reducing conditions and alkylating the reduced product by heating with an alkylating agent.

2,082,561

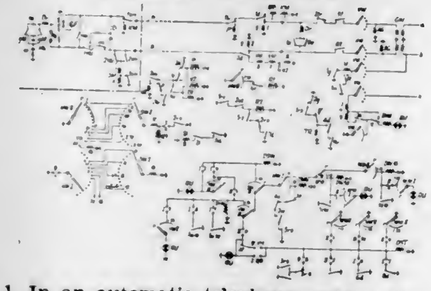
PAYSTATION TELEPHONE SYSTEM

Fritz Appelius, Berlin-Shandau, Germany, assignor to Telephon-Apparat Fabrik-E. Zwietusch and Company, Berlin, Germany

Application February 13, 1936, Serial No. 63,707

In Germany February 21, 1935

9 Claims. (Cl. 179—6.3)



1. In an automatic telephone system, a paystation telephone connected by a line to the exchange, a calling device for transmitting impulses to the exchange to extend a connection to a desired subscriber, a discriminating switch also responsive to said calling device impulses, coin operated contacts at said paystation, a different resistance connected to said line by each of said contacts responsive to the passage of corresponding coins in said paystation, coin relays in said line each responsive to the connection of a particular resistance to said line, coin switches at said exchange each operated by an associated coin relay, and means for permitting the extension of the call only in the event that the positions to which said discriminating switch and said coin switches are operated correspond to the value and destination of the call.

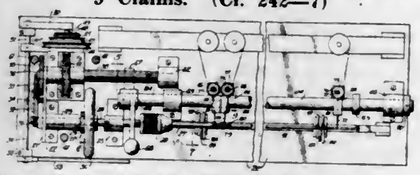
2,082,562

WINDING MECHANISM

Joseph McArthur, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a corporation of Michigan

Application March 2, 1935, Serial No. 8,975

5 Claims. (Cl. 242—7)



1. A device for applying binding windings to areas of a tapering fishing rod comprising a chuck mounted to support the butt end of said rod, means movable longitudinally of the rod for traversing a winding strand over a relatively short area of the rod thus supported, means for causing relative rotation between the rod and traversing means, and a radially adjustable steady rest mounted independently of the traversing means for radially supporting the tapering rod beyond the chuck and adjacent the area of winding.

2,082,563

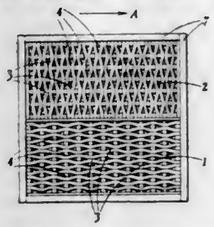
MAT FOR THE USE OF GOLFERS

William Stanley Bauer, London, England

Application July 17, 1936, Serial No. 91,055

In Great Britain May 21, 1935

2 Claims. (Cl. 94—7)



1. A golf mat as described comprising two sections each composed of a set of continuous strips of flexible material and means for uniting the strips into a reticulated surface, the strips in one section extending at right angles to the strips in the other section and in the direction of clubhead travel when a player stands on said other section.

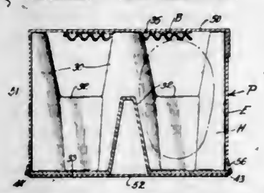
2,082,564

FILLER PACKAGE

Leon Benoit, New York, N. Y.

Application August 10, 1935, Serial No. 35,660

8 Claims. (Cl. 229—28)



1. In combination, a cellular load-sustaining holder moulded to form from a pulp composition, an enclosure of sheet material in which the holder is receivable, and longitudinally spaced relatively rigid means integral with the holder and projecting from a cell forming portion thereof for interlocking engagement with an edge of the enclosure sheet for preventing sliding movement of the holder relative to the enclosure.

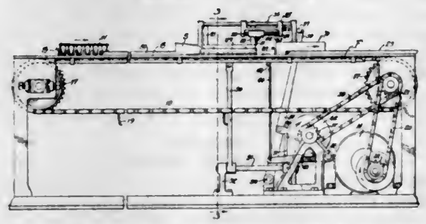
2,082,565

MACHINE FOR ASSEMBLING CARTONS

Leon Benoit, New York, N. Y.

Application September 6, 1935, Serial No. 39,388

7 Claims. (Cl. 93—6)



1. In a machine for assembling a holder in interlocking engagement with an open-ended carton, the combination of a shoe, means for fitting the end of a carton over the shoe with holder interlocking means thereof covered by the shoe, and means for advancing a holder through the shoe and completely into the carton for interlocking therewith and thereafter moving the assembled holder and carton to a remote point.

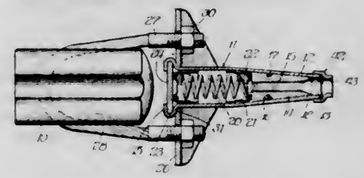
2,082,566

CONNECTER

Arthur A. Berndt, Chicago, Ill., assignor to Electroline Corporation, Chicago, Ill., a corporation of Illinois

Application April 11, 1935, Serial No. 15,768

8 Claims. (Cl. 173—366)



1. A connecter for connecting wires and the like to an anchorage including means having an opening therein, and a wire engaging member fitting within said opening, said member comprising a tubular casing having a bulbous portion on one end thereof of greater diameter than said opening in the means to thus retain the casing and means in connected relation, said other end of the casing being reduced in diameter to form a tapering end portion, and gripping members housed within said end portion for gripping and holding a wire.

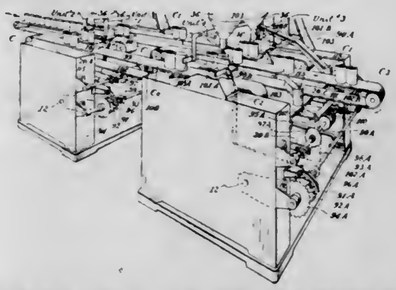
2,082,567

FILLING SYSTEM

Edgar W. Bleam, Philadelphia, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application May 3, 1934, Serial No. 723,687. Divided and this application April 11, 1935, Serial No. 15,750

18 Claims. (Cl. 226—99)



1. A filling system comprising two filling units each having a one-turn clutch, and means for automatically delivering empty containers to said units alternately, and substantially concurrently with delivery to one unit effecting tripping of the clutch of the other unit.

9. A filling system comprising a plurality of filling machines, means for transferring containers, in pairs, alternately to each of two of said machines for filling of a container of each pair, means for conveying the filled and unfilled containers from said filling machines to a position adjacent two other filling machines, and means for transferring the conveyed containers in pairs alternately to said last named filling machines for filling of containers not filled by said first named filling machines.

2,082,568
VINYLETHINYL DERIVATIVES AND PROCESSES FOR PRODUCING SAME
Wallace H. Carothers, Arden, and Gerard J. Berchet, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application November 11, 1931, Serial No. 574,456. Divided and this application June 16, 1934, Serial No. 730,912
12 Claims. (Cl. 260—170)

1. The process which comprises reacting a compound corresponding to the formula:

$$CH_2{=}CH{-}C{\equiv}CMgY$$

in which Y represents a halogen atom or a vinylethinyl group, with a compound containing an inorganic strong acid radical of the class consisting of alkyl halides, aralkyl halides, alkyl sulfates and alkyl esters of aryl sulfonic acids.

2,082,569
VINYLETHINYL DERIVATIVES AND PROCESS FOR PREPARING SAME
Wallace H. Carothers and Ralph A. Jacobson, Arden, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application November 11, 1931, Serial No. 574,359. Divided and this application June 16, 1934, Serial No. 730,916
19 Claims. (Cl. 260—6)

1. The process which comprises reacting an alkali metal vinylacetylide with a compound containing an inorganic strong acid radical of the class consisting of alkyl halides, aralkyl halides, alkyl sulfates and alkyl esters of aryl sulfonic acids.

4. A compound having the formula:

$$CH_2{=}CH{-}C{\equiv}C{-}R$$

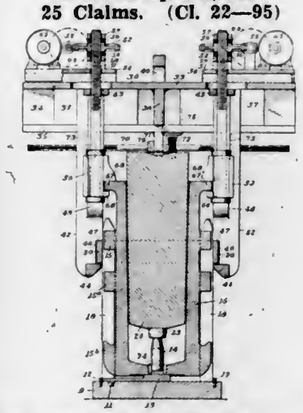
in which R is a saturated monovalent hydrocarbon radical which contains at least one carbon atom which is aliphatic in character and thru which it is attached to the vinyl acetylene radical.

2,082,570
CHEESE HOOP
Edward C. Damrow, Fond du Lac, Wis., assignor to Damrow Brothers Company, Fond du Lac, Wis., a corporation of Wisconsin
Application November 28, 1934, Serial No. 755,161
1 Claim. (Cl. 100—55.5)



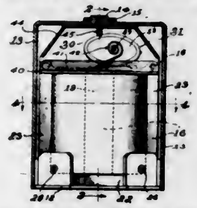
In a cheese hoop of the type herein described, the combination of a main hoop body having a uniform transverse area along its length and provided with a slit which extends its entire length and out turned flanges at the edges of said slit, and means for fastening the flanges together in accurately alined relation, comprising a clasp of U form in cross section for engaging said flanges, and a positioning stud fixedly attached to one of said flanges, said stud comprising an enlarged head of a cylindrical form adapted to enter an aperture in one of said flanges and having an intermediate cylindrical pivot portion of a reduced diameter adapted to fit a receiving aperture therefor in the other of said flanges and an aperture in said clasp, the end opposite said head being swaged into an expanded head adapted to hold the parts in proper assembled relation.

2,082,571
METHOD AND APPARATUS FOR STRIPPING INGOTS
George A. Dornin, Baltimore, Md.
Application July 24, 1934, Serial No. 736,625
Renewed April 2, 1937
25 Claims. (Cl. 22—95)



13. Mold manipulating mechanism comprising guide members having vertical guideways, mold engaging members movable vertically along said guideways, means for carrying said guide members and moving them simultaneously toward each other and simultaneously from each other, and means for raising and lowering the mold engaging members along said guideways relative to the guide members.

2,082,572
DISCHARGE TUBE FLASHER
Faust Gonsett and Robert R. Gonsett, Los Angeles, Calif.; said Robert R. Gonsett, assignor to Irene Gonsett, Los Angeles, Calif.
Application March 21, 1934, Serial No. 716,718
17 Claims. (Cl. 177—329)



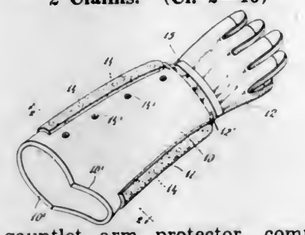
1. In a device of the character described, an electromagnetic field device, a support in the field, said field having a dense area manifest over said support, an armature having a curved face rollingly set upon the support having an initial position in the outer part of the field and positioned to roll toward and from the dense area, a tube fixed thereon having its major axis coincident with the plane of rolling movement of the armature, spaced contacts in one end of the tube, and a globule of mercury in the tube.

2,082,573
TREATMENT OF FRUIT
Ralph E. Hall, Mount Lebanon, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application April 19, 1934, Serial No. 721,315
12 Claims. (Cl. 99—103)

1. The process of dissolving lead arsenate, which comprises subjecting it to a solution containing an alkali-metal hexametaphosphate.

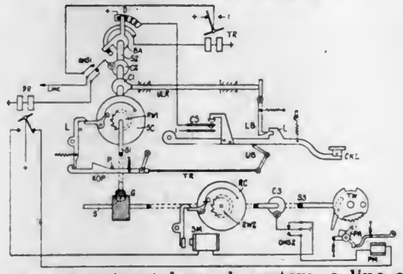
8. The process of removing spray residue from fruit, which comprises cleansing it with a solution containing an alkali-metal hexametaphosphate.

2,082,574
GAUNTLET ARM PROTECTOR
John Bertram Handley, Albany, N. Y.
Application March 23, 1935, Serial No. 12,539
2 Claims. (Cl. 2—16)



1. A gauntlet arm protector, comprising a gauntlet arm member adapted to extend from the wrist to the elbow in a stationary position, and a pad on the underside thereof extending from the wrist end to the elbow end, said pad being of sponge rubber, and fasteners mounted upon the longitudinal edges of the pad engageable with complementary snap fasteners on the arm member.

2,082,575
TELEGRAPH SYSTEM
Harry Hughes Harrison, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application June 27, 1934, Serial No. 732,650
In Great Britain August 4, 1933
3 Claims. (Cl. 178—53.1)



1. In a printing telegraph system, a line connecting a sending device with a receiving device, means in the sender for connecting current in the line to send characters, and for changing the character of the current flow at a certain time to determine the character transmitted, and means in the receiver responsive to said current flow for printing a character when the character of the current flow is changed, the total current flowing in the line for the same length of time for each character transmitted.

2,082,576
TEXTILE ASSISTANT COMPOSITIONS
Clyde O. Henke and William H. Lockwood, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 22, 1935 Serial No. 28,018
2 Claims. (Cl. 252—1)

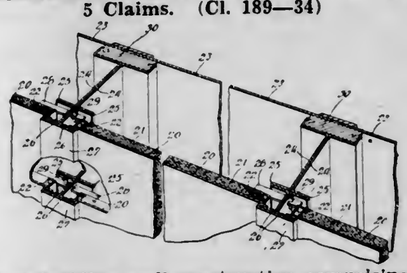
1. Improved textile assistant compositions which are essentially free of sodium sulfate and which contain water, an alkali metal salt of sulfated oleyl acetate, and an inorganic salt whose solubility at low temperatures is relatively greater than that of sodium sulfate and approximately equal to or greater than that of sodium chloride.

2,082,577
FASTENING DEVICE
Frederick K. Herschmann, New York, N. Y.
Application February 9, 1935, Serial No. 5,686
4 Claims. (Cl. 40—11)



1. A fastening device for clamping an article to a supporting surface without perforating or otherwise damaging said article, said device comprising a metallic strip having its center portion stamped out into a prong-shaped member which during use of the device is bent at an angle to the two end portions of said strip and is forced into said supporting surface adjacent to said article, one of the end portions of said strip having an irregular contour forming a projection from the body of said strip, an indentation formed in said projecting portion for gripping said article and maintaining it in fixed relationship with its supporting surface and the other end portion of said strip having an indentation complementary in shape to said projection.

2,082,578
METAL BUILDING CONSTRUCTION
Edgar W. Ingram and Loyd W. Ray, Columbus, Ohio, assignors to White Castle System, Inc., Columbus, Ohio, a corporation of Delaware
Application March 25, 1935, Serial No. 12,858
5 Claims. (Cl. 189—34)

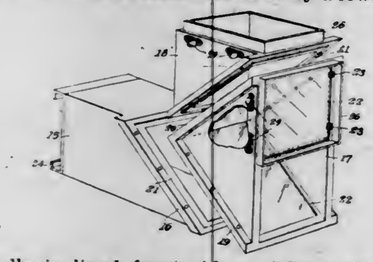


5. A building wall construction comprising, in combination, aligned wall panels, a built up sheet metal studding, said studding comprising substantially flat sheet metal strips secured together to form webs extending between the edges of the panels, and forming a head outside said panels, laterally extending shoulders formed on said strips inside said panels, and wedges adapted to be driven between said shoulders and the inside edge of a single panel whereby each web clamps only its corresponding panel snugly against the inside of said head.

2,082,579
COLOR PHOTOGRAPHY
Edward Jacobsen, New York, N. Y.
Application March 19, 1936, Serial No. 69,683
6 Claims. (Cl. 95—2)

4. A one shot trichromatic camera, comprising a plurality of separate independent box sections cooperable together to form a unitary camera shell and consisting of a main box section having a downwardly inclined front end, a

separate intermediate box section having upper and lower convergent rearwardly inclined sides and a substantially vertical lower front portion, the lower inclined side of said intermediate box section matching the inclined front end of the main section and the lower vertical front portion then forming a vertically extending front for the main section in line with said main section, a separate top box section having horizontal top and vertical back sides connected by a lower rear-



wardly inclined front side matching the upper rearwardly inclined side of the intermediate box section, coacting interfitting means at said matching sides of said main, intermediate and top box sections for relatively positioning and securing said sections assembled in definite fixed relation forming a unitary camera shell, seats at said inclined matched sides of said box sections and relatively inclined reflectors disposed in said seats and so located in desired angled relation in the camera.

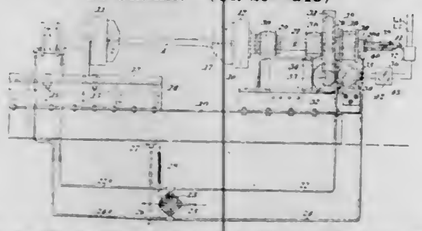
2,082,580

BODIES FOR WITHSTANDING ALTERNATING STRESSES AND MANUFACTURE THEREOF

Forrest F. Johnson, Spencer, Ohio, assignor to The Spencer Manufacturing Company, Spencer, Ohio, a corporation of Ohio

Application October 24, 1933, Serial No. 694,942

14 Claims. (Cl. 29—148)



8. In the manufacture of torsion resistant articles, the steps consisting in forming a ferrous body which is to constitute the article, raising it to a temperature above the critical point of the metal from which the body is formed, and twisting the body so as to permanently alter the direction in which the grains extend.

2,082,581

HYDRAULIC POWER TRANSMISSION SYSTEM

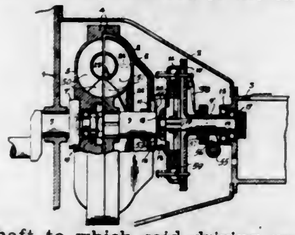
Johann Nikolaus Kiep, Altona-Hochkamp, Germany, assignor to Hydraulic Coupling Patents Limited, London, England, a company of Great Britain

Application October 15, 1935, Serial No. 45,075

In Great Britain October 18, 1934

15 Claims. (Cl. 192—57)

1. A hydraulic power transmission system comprising a driving engine having a driving shaft, a driven machine having an input shaft, a hydraulic coupling of the kinetic type having a driving part which includes an impeller element and a casing secured thereto, said driving part being rigidly fixed to said driving shaft, and a runner element juxtaposed to said impeller element and having its back shrouded by said casing, a rigid driven shaft on which said runner element is fixed and which serves to drive said input shaft, a bearing mounted in the neighborhood of the end of said



driving shaft to which said driving part is attached and supporting one end of said rigid driven shaft from said driving shaft, and a bearing mounted on said driven machine and supporting the other end of said driven shaft, said bearings cooperating to resist radial displacement of said runner element, and a radial clearance being provided between said driven shaft and the portion of said driving part remote from said engine shaft.

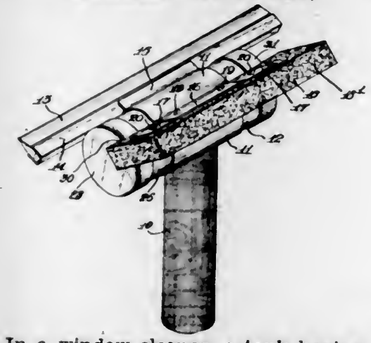
2,082,582

WINDOW CLEANER

William H. Kling, Merchantville, N. J.

Application May 9, 1936, Serial No. 78,871

5 Claims. (Cl. 15—126)



1. In a window cleaner, a tank having a discharge opening, a wick outside the tank and engaging the walls of the discharge opening and walls forming an air vent communicating from the interior of the tank to the outside air, constantly open to the outside air and including walls forming a long attenuated passage of uniformly small diameter.

2,082,583

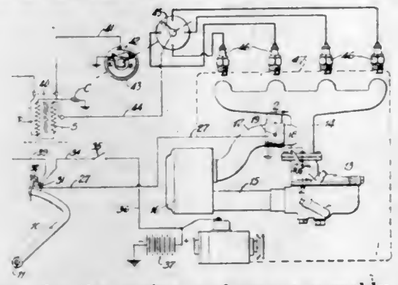
FUEL SAVING DEVICE

Albert C. Lindbloom, Chicago, Ill., assignor to Lindbloom Auto Parts Company, Chicago, Ill., a corporation of Illinois

Application June 2, 1934, Serial No. 728,700

1 Claim. (Cl. 192—3)

In an automobile, an internal combustion engine having an intake manifold, a carburetor connected thereto, a brake pedal, a by-pass for the carburetor having a valve therein, means operably connected to the brake pedal and operable by the operator's foot for opening the by-pass as the brake pedal is operated, an ignition



system for the engine, and means operably connected to the last mentioned means for cutting off the ignition before the valve is opened.

2,082,584

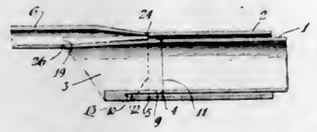
TUBE COUPLING AND METHOD OF MAKING SAME

Auguste A. G. Magis, Paris, France, assignor to The Superheater Company, New York, N. Y.

Application February 29, 1936, Serial No. 66,391

In France March 11, 1935

13 Claims. (Cl. 29—157.4)



1. A coupling member for closing one end of the annular passage between a pair of concentric tubes and connecting said passage to the interior of another non-concentric tube comprising; a hollow, cylindrical crown formed at one end with inner and outer concentric lips spaced to define an annular pocket extending inwardly from one end face of the crown and communicating with a groove in the exterior wall of said crown that extends longitudinally thereof from its other end face, said lips being adapted to be aligned with and joined to the ends of the concentric tubes so that said pocket constitutes an extension of the annular passage between said tubes and said groove in said crown being adapted to receive an end portion of the non-concentric tube which is cut away at said end to place it in communication with said pocket and joined to said crown.

6. The method of making a coupling member for closing one end of the annular passage between a pair of concentric tubes which comprises; forming a slot in and extending along one longitudinal edge of a metallic blank having a thickness substantially equal to the sum of the wall thicknesses of said tubes and the radial spacing thereof and having a length equal to the external circumference of the inner one of said concentric tubes; shaping said blank into a hollow crown having a cross-sectional shape conforming to that of said tubes by bending it about its transverse axis to abut its side edges to form the portions of said longitudinal edge of said blank adjacent said slot into concentric lips adapted to be joined to the ends of said concentric tubes and to form said slot into an annular pocket defined by said lips and adapted to constitute an extension of the annular passage between the concentric tubes; and joining the abutted side edges of said blank.

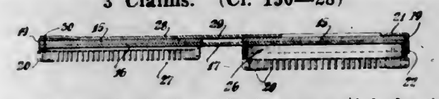
2,082,585

METHOD OF PRODUCING RECEPTACLES FOR ACCESSORIES

Edwin H. Maguire, Verona, N. J., assignor to Maguire Brothers Brush Co., Inc., Bloomfield, N. J., a corporation of New Jersey

Application December 10, 1936, Serial No. 115,099

3 Claims. (Cl. 150—28)



1. The method of producing an article having a compartment for the reception of accessories which consists in: applying, to one surface of two reinforcing blanks, a lining of flexible material that connects said blanks with a hinge portion midway of their length at one side; applying two flexible carrier members, having closure elements, to the unlined surfaces of the blanks around their edges which are free of the hinge; applying a lining of flexible material, that connects said blanks with a hinge portion at the same place that they were previously connected midway of their length, to the other surface of said blanks; and then stitching one-half of the assembly thus produced to a backing member and with the last named lining abutting said backing.

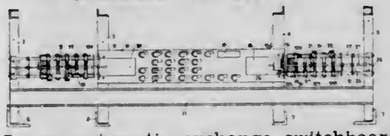
2,082,586

AUTOMATIC TELEPHONE SYSTEM

Harry P. Mahoney, Oak Park, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application April 29, 1935, Serial No. 18,774

7 Claims. (Cl. 179—91)



1. In an automatic exchange switchboard, a frame comprising four upright members secured in spaced relation to each other, thereby forming a central mounting space for switches and a mounting space for banks on each side thereof, a series of base plates secured one above the other in said central space, each plate having mounted thereon a finder and a connector, means for mounting finder banks in the space on one side of said central space, and means for mounting connector banks on the other side.

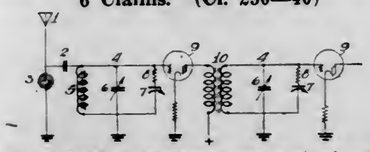
2,082,587

HIGH-FREQUENCY CIRCUIT

Herbert E. Meinema, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Application February 12, 1936, Serial No. 63,557

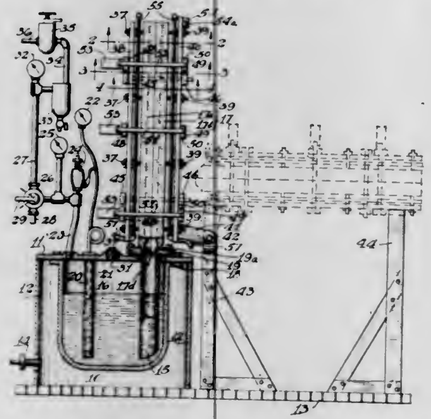
6 Claims. (Cl. 250—40)



1. In a high-frequency resonant circuit tunable over a range of frequencies and including an inductor, a main tuning capacitor, and an auxiliary tuning capacitor, means including a resistor in series with said main tuning capacitor

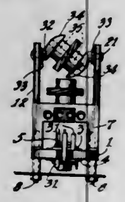
of such value as to substantially compensate for variation of the resistance of said circuit with frequency.

2,082,588
APPARATUS FOR PRODUCING SLUSH CASTINGS
Louis Menetrey, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application January 4, 1936, Serial No. 57,463
10 Claims. (Cl. 22—69)



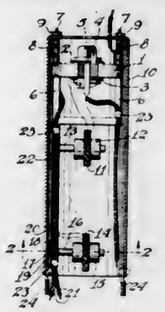
1. Apparatus of the class described, including in combination a container for molten casting metal, said container having an opening for communication with the molten metal, an open-ended mold mounted for communication with said container opening, means for producing pressure on the molten metal limited to an amount which will flow molten metal into said mold without overflowing it, and means for reducing the pressure on said molten metal.

2,082,589
ADJUSTABLE COUPLING FOR HIGH-FREQUENCY COUPLING DEVICES
Charles C. Neighbors and Herbert E. Meinema, Chicago, Ill., assignors to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application April 10, 1934, Serial No. 719,906
5 Claims. (Cl. 178—44)



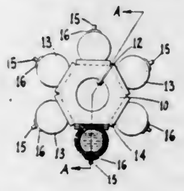
1. A high-frequency coupling device including a fixed inductor and a second inductor in spaced relation to said fixed inductor, each of said inductors comprising an open-type ferromagnetic core and a winding coaxial therewith; an adjustable condenser connected in shunt with each of said inductors to form a pair of resonant circuits tuned to a desired frequency; and means for rotating said second inductor about an axis at an angle to its magnetic axis to secure, at said resonant frequency, a desired degree of inductive coupling between said resonant circuits lying between zero and an upper limit determined by said angle, the magnetic axis of said fixed inductor extending through said second inductor and intersecting the axis of rotation of said second inductor.

2,082,590
HIGH-FREQUENCY COUPLING DEVICE
Charles C. Neighbors and Wilfred H. James, Chicago, Ill., assignors to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application October 23, 1934, Serial No. 749,661
8 Claims. (Cl. 178—44)



1. A high-frequency coupling device including two resonant circuits each having an inductor, said inductors each having a winding and a comminuted magnetic core, a conductive shield surrounding said inductors, said inductors being positioned with their axes parallel and at right angles to the axis of said shield to reduce the coupling between said inductors, and being so spaced from each other as to secure substantially optimum coupling between said circuits.

2,082,591
RECORDER PRINT WHEEL
Paul A. Newman, Belmar, N. J., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 30, 1934, Serial No. 718,137
4 Claims. (Cl. 234—66)



1. In a recording apparatus including a record chart, the combination of a print wheel comprising an arbor, a plurality of collapsible envelopes peripherally disposed about said arbor, each adapted to contain a quantity of ink, a pair of clips engaging said envelopes and securing them to said arbor, one of said clips being removable, whereby the envelopes can be removed and refilled, a record character supported from each of said envelopes and in communication with ink contained therein, and rotatable means for moving a selected one of said envelopes against said chart to collapse the envelope an amount sufficient to force therefrom a small quantity of ink.

2,082,592
COATED FABRIC AND PROCESS OF MAKING SAME
Edgar Hugo Nollau, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 9, 1934, Serial No. 714,840
8 Claims. (Cl. 91—68)

1. Process for producing a flexible, waterproof material comprising impregnating a suitable textile fabric with a composition having the approximate formula by weight:

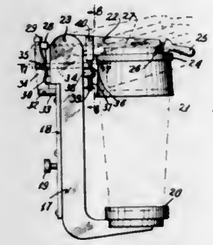
	Per cent
Cellulose derivative	3.05
Dibutyl phthalate	6.00
Ceresin wax	4.05
Paraffin oil	3.00
Ethyl acetate	22.60
Ethyl alcohol	32.60
Toluene	28.70

applying to one face of said impregnated fabric a continuous film of a composition of the approximate formula by weight:

	Per cent
Cellulose nitrate	32.0
Softener	44.0
Pigment	24.0
	100.0

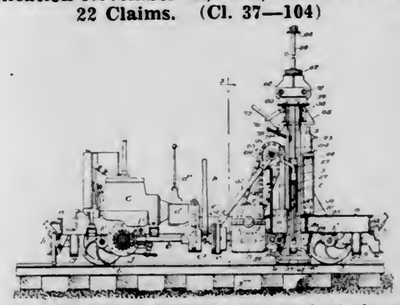
dispersed in an organic dispersing agent, the amount of the impregnating composition applied to the fabric being insufficient to destroy the fabric weave on the face of the finished material.

2,082,593
AUTOMATIC COCKTAIL SHAKER
Paul Pankotan, New York, N. Y.
Application November 3, 1936, Serial No. 108,936
2 Claims. (Cl. 259—91)



1. In an automatic cocktail shaker, a standard, a reciprocating mechanism on said standard, an arm slidably mounted on said standard and connected with said reciprocating mechanism and having a base cup for receiving a glass or the like, a bar pivotally mounted on top of said arm and having a top cup for engaging on top of said glass or the like, and a mechanism for releasably clamping said arm in a lowered operative position, comprising a handle pivotally mounted on said bar, a rod slidable through the bar and movable by moving said handle, a pivotally mounted lever having a bridge portion engaging said rod, resilient means urging said bridge portion against the rod, a bolt element connected with said lever and slidably mounted through said arm, and a keeper rod connected with said arm and slidably supported and engaged by said bolt element.

2,082,594
MACHINE FOR DIGGING BALLAST
Frank H. Philbrick, Evanston, Ill.
Application November 18, 1935, Serial No. 50,374
22 Claims. (Cl. 37—104)



1. In a machine of the class described, the combination of a railway truck, a vertically reciprocable drop head thereon, a series of digger-tools pivotally mounted on the head to swing transversely of the track, power-means for lifting the head with the tools and dropping them to impact the tools against ballast and means for positively swinging the tools during their downward strokes.

2,082,595
INDUCTIVE TUNING SYSTEM
Wladimir J. Polydoroff, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Original application April 22, 1933, Serial No. 667,368. Divided and this application November 28, 1934, Serial No. 755,096. In Germany December 16, 1933
6 Claims. (Cl. 250—40)

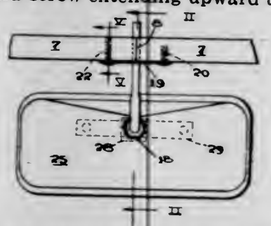


3. A tuning unit for a radio receiver including a pair of tuned radio-frequency circuits each having an inductance coil and a capacitance, unitary tuning means for simultaneously varying the effective inductance values of said coils, a coupling capacitance connected between said circuits, plural additional capacitances and a multiple switch adapted to connect one of said additional capacitances into each of said circuits and to connect another of said additional capacitances between said circuits.

2,082,596
REAR VIEW MIRROR SUPPORT
Lucien G. Ponce, Follansbee, W. Va., assignor to Liberty Mirror Works, a corporation of Pennsylvania
Application April 2, 1936, Serial No. 72,282
10 Claims. (Cl. 248—288)

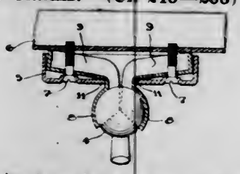
9. A rear view mirror support adapted to be applied to a header bar made up of two hollow metal members which meet at an obtuse angle with a perforation through the bottom walls thereof where such bottom walls meet, comprising an upright rod extending slidably through said perforation and provided with a ball joint member at its lower end for attachment to a mirror casing, a clamp for the rod in the header bar comprising a shell of sheet metal fitting the interior of the header bar members at their juncture and having two arms integral with the shell whose

ends lie in opposition above said perforation and receive the rod therebetween, one of said arms being fixed and the other being movable downward against the spring of the metal in such manner that its end approaches the end of the fixed arm in such movement, a screw extending upward through the bottom of one of the header bar members for securing the shell rigidly thereto, a second screw extending upward through the



bottom of the other header member and the shell and engaging said movable arm and operable from the lower side of the header bar, and a plate fitting around the bottoms of the header bar members and overlying their line of joinder through which said screws also extend, all so arranged that said shell and said plate in conjunction with said screws act as a reinforcing for the header bar members at their meeting ends.

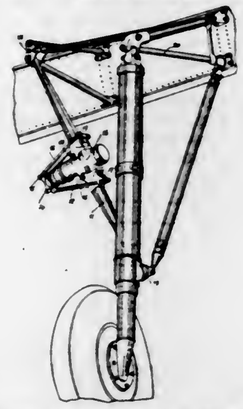
2,082,597
REAR VIEW MIRROR SUPPORT
Lucien G. Ponce, Follansbee, W. Va., assignor to Liberty Mirror Works, a corporation of Pennsylvania
Application April 8, 1936, Serial No. 73,260
3 Claims. (Cl. 248—288)



2. In combination in a rear view mirror support, a post adapted at its lower end to be secured to the backing of a mirror plate and having a ball at its upper end, a support above the post, a pair of bell crank lever arms extending through and fulcrumed in the support and having their lower ends which are shaped to socket form engaging said ball and having their upper ends extended laterally above the support, and screw members extending through the support and threaded into the laterally extending ends of said arms.

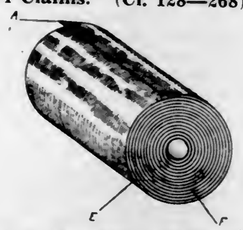
2,082,598
AIRPLANE LANDING GEAR
Raymond Saulnier, Puteaux, France
Application March 19, 1936, Serial No. 69,627
In Germany March 22, 1935
18 Claims. (Cl. 244—102)

1. A retractable landing gear for an airplane which comprises, in combination, at least two struts pivotally connected together and each pivotally connected to said airplane, a wheel carried by one of said struts, one of said struts being of jointed structure and including two elements articulated with respect to each other, an operating device, wholly supported by said jointed strut and mechanically independent of the airplane proper, including two parts movable with respect to each other, one of said parts being mechanically connected to said strut elements, mechanical means for interconnecting the other part of said device with each of these two strut elements in such manner that relative displace-



ments of these two parts of the device produce angular displacements of the strut elements, and means, operative from the airplane proper, for producing displacements of said two parts of the operating device with respect to each other.

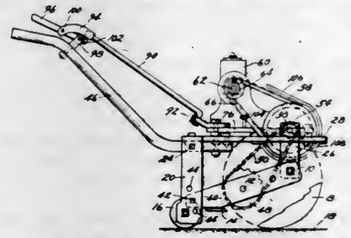
2,082,599
SURGICAL DRESSING
Lester T. Sawyer, Fitchburg, Mass.
Application November 6, 1933, Serial No. 696,846
4 Claims. (Cl. 128—268)



1. A surgical bandage characterized by the fact that both sides of it are closely adherent one to another and are both free from the capability of adhering to the skin of the wearer and comprising an open mesh textile fabric base and a thin closely adhering coating of unvulcanized latex leaving most of the interstices of said open mesh textile fabric mesh open for purposes of ventilation when the bandage is in use; an underlayer of an age resisting agent rendering said coating of latex long enduring as to the quality of tackiness with the capability of causing said bandage to adhere surface to surface as to the bandage itself but without the capability of adhering to the skin and hair of the user.

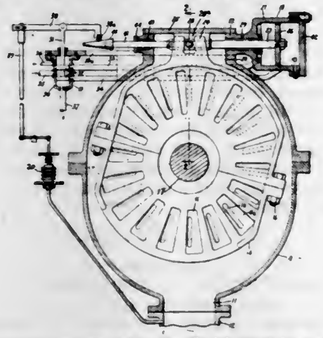
2,082,600
POWER MOWER
Lloyd H. Squires and William D. Zieger, Olathe, Kans.
Application June 15, 1936, Serial No. 85,342
5 Claims. (Cl. 56—26)

1. In a power mower having traction wheels, and cutting mechanism, the combination of a platform supported by the wheels and provided with an opening therethrough; an engine shiftably supported on top of the platform; means operably connecting the cutting mechanism, traction wheels and engine to drive the mechanism and propel the mower; and manually operable means for bodily shifting the engine to render effective or ineffective the said connect-



ing means, said connecting means comprising a pulley on the engine, a pulley rotatably carried by the platform and extending above and below the platform within the opening provided therein, and a chain drive joining the pulley on the platform and said cutting mechanism.

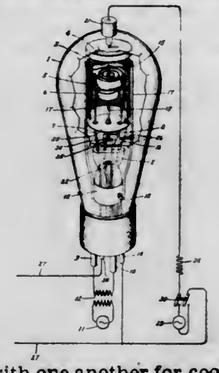
2,082,601
TURBINE ARRANGEMENT
Reginald G. Standerwick, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application March 30, 1935, Serial No. 13,900
4 Claims. (Cl. 60—67)



1. A multi-stage elastic fluid turbine arrangement including a turbine casing with a conduit connected to an intermediate stage through which conduit elastic fluid is extracted from or supplied to the turbine, valve means connected to the turbine for controlling the flow of fluid through the intermediate stage, and means for positioning the valve means comprising a hydraulic motor disposed on one side of the turbine and a pilot valve disposed at right angle to the motor on the other side of the turbine, the motor having a piston with a stem connected to the valve means, means for moving the pilot valve, and means for restoring the pilot valve comprising a stem connected to the valve means and forming an extension of the piston stem.

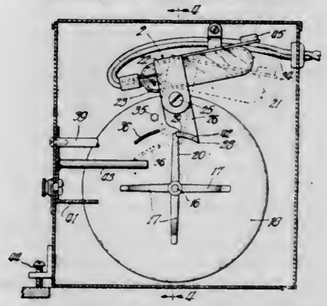
2,082,602
THERMIONIC CATHODE
Harry C. Steiner, Scotia, and Orrin W. Livingston, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application April 26, 1929, Serial No. 358,354
11 Claims. (Cl. 250—27.5)

1. An electrical discharge device comprising an evacuated envelope containing a cathode, a grid and an anode, said cathode being a pair of spirals in series and mounted parallelly adjacent to



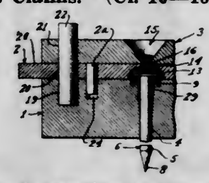
and coaxial with one another for cooperating with the grid and anode members.

2,082,603
CONTROL DEVICE
William L. Stuyverson, Elkhart, Ind.
Application July 27, 1932, Serial No. 625,024
14 Claims. (Cl. 236—46)



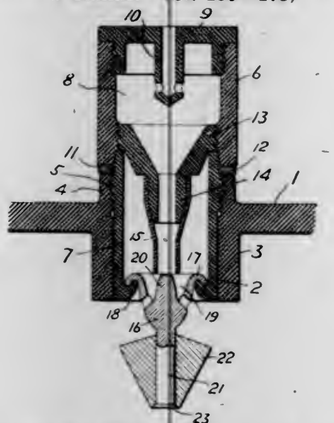
1. In apparatus of the character described the combination comprising a stoker adapted to feed periodic charges of fuel, a motor for operating said stoker, a motor switch, a rotating control device having switch actuating members projecting therefrom for periodically closing said switch upon rotation of said device, and means for rendering a member inoperative to close the switch.

2,082,604
METHOD OF AND APPARATUS FOR MAKING LEAD HEAD FASTENERS
John M. Upton, Chicago, Ill., assignor to Filshie Lead Head Nail Company, Inc., Chicago, Ill., a corporation of Illinois
Application November 25, 1935, Serial No. 51,459
16 Claims. (Cl. 10—156)



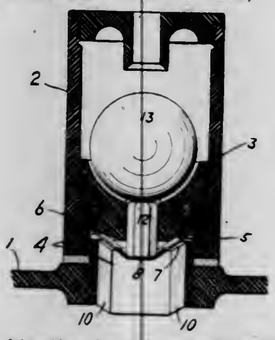
1. Apparatus for casting a cap onto a nail head, comprising nail shank receiving means, and means for engaging the nail head and spacing it from the receiving means to provide clearance for the access of capping material under the nail head to embrace the shank.

2,082,605
NONSPILL VENT PLUG
Joseph Lester Woodbridge, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application September 29, 1933, Serial No. 691,458
2 Claims. (Cl. 136—178)



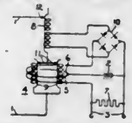
2. A non-spill vent plug for venting containers of liquid subject to evolution of gas, said plug comprising in combination: a body having a passage for the escape of gas therethrough; a short, flexible, tubular member forming a portion of said passage and depending downwardly; a circular support normally having a horizontal position, and a weight freely mounted on said support beneath said member for universal movement, said weight having on its top an integral part of said weight which part is normally opposite and spaced from the end of said tubular member but which part is located relative to said support so as to contact with and close said tubular member when the plug is tilted.

2,082,606
NON-SPILL VENT PLUG FOR STORAGE BATTERIES
Joseph Lester Woodbridge, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application April 2, 1936, Serial No. 72,277
4 Claims. (Cl. 136—178)



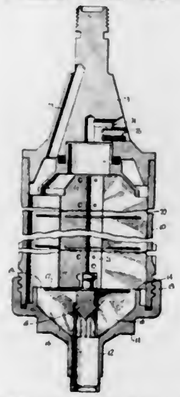
4. In combination in a non-spill vent plug for a battery cell in which gas is evolved and develops pressure, a valve normally open to provide for the escape of gas when the cell is in upright position but adapted to be closed by the tilting of the cell, walls defining a confined space above the valve, vented into the atmosphere, wherein liquid may be trapped, and a capillary and a non-capillary path in parallel relation between the valve and the interior of the cell whereof the latter provides for the escape of gas and the former provides for drainage of the trapped liquid against gas pressure.

2,082,607
ELECTRICAL CONTROL SYSTEM
Ralph D. Amsden, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application May 27, 1936, Serial No. 82,037
10 Claims. (Cl. 171—314)



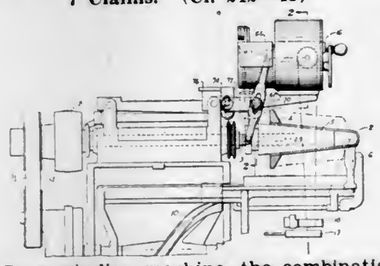
9. In combination, an alternating current supply circuit, a rectifier having input terminals connected to said supply circuit and having output terminals, a storage battery, a saturable reactor having a direct current saturating winding, a load circuit connected across said battery through said direct current saturating winding, one rectifier output terminal being connected to one side each of said battery and load circuit, a plurality of intermediate taps on said direct current winding, means responsive to the state of charge of said battery for controlling the connection of the other output terminal of said rectifier to one or the other of said taps depending upon the state of charge of said battery, and a variable impedance winding on said reactor connected to control the voltage applied by said rectifier to said battery and load circuit, and an impedance adapted to be connected across said load circuit during no load conditions thereon.

2,082,608
CENTRIFUGAL SEPARATOR
Arthur U. Ayres, Chestnut Hill, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a corporation of Delaware
Application July 21, 1934, Serial No. 736,322
2 Claims. (Cl. 233—28)



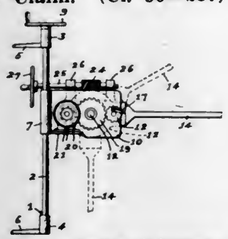
1. In a centrifugal separator, the combination comprising a rotor including separate outlets for separated effluents, said discharge outlets communicating with an inner and an outer zone for light and heavy effluents respectively, a plurality of imperforate annular rings within said rotor, said rings being of slightly less radial extent than the depth of the liquid treated in the rotor and being spaced apart substantial distances longitudinally of the rotor and lying in planes substantially perpendicular to the axis of the rotor, the outer diameters of said rings terminating within the radial zone of heavier effluent discharge outlet and their inner diameters terminating outside the radial zone of the lighter effluent discharge outlet, and means to feed material to be treated to a zone of the rotor intermediate the inner and outer diameters of said rings.

2,082,609
THREAD WINDING MACHINE
Dickerson G. Baker, Holyoke, Mass., assignor to The American Thread Company, New York, N. Y., a corporation of New Jersey
Application October 28, 1932, Serial No. 639,959
7 Claims. (Cl. 242—43)



1. In a winding machine, the combination of a winding spindle, a holder for a cop tube carried by the spindle to slide longitudinally thereof, means to traverse the thread longitudinally of the cop tube so as to cause the thread to be cross-wound on the tube, a device acting automatically to effect stoppage of the winding operation of the machine at the completion of the winding of a predetermined length of thread, and connections between said device and said holder to shift the holder longitudinally in one direction to progressively displace the layers of winding in a direction longitudinally of the cop tube.

2,082,610
HEDGE TRIMMER
William R. Bankson, Pittsburgh, Pa.
Application August 15, 1935, Serial No. 36,305
1 Claim. (Cl. 56—237)



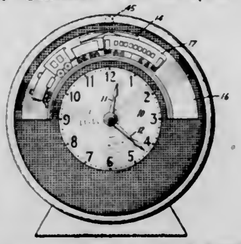
In combination, a hedge trimmer of the character described, comprising a pair of vertically extending spaced guide rods, head and foot members fixed to respective ends of said pair of guide rods, an attaching bracket fixed to each of said head and foot members, a block including a supporting plate slidably mounted on said pair of guide rods, an adjusting screw threadedly engaging said block disposed parallel to and intermediate of said pair of guide rods and journaled for rotation in said head and foot members, a wheel fixed to the upper end of said adjusting screw to operate the latter to vertically shift said block on said pair of guide rods, a connecting disk pivotally joined to said supporting plate, a cutter bar fixed to said connecting disk, a reciprocating cutter member mounted in said cutter bar, power operated means carried by said supporting plate and operable for imparting reciprocating movement to said cutter member in said cutter bar, and means carried by said supporting plate and engaging the periphery of said connecting disk for adjusting the longitudinal disposition of said cutter bar with respect to said supporting plate.

2,082,611
PIPE FITTING AND LIKE ARTICLE
Frank H. Benge, Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Original application May 15, 1933, Serial No. 671,260, now Patent No. 2,003,232, dated May 28, 1935. Divided and this application May 1, 1935, Serial No. 19,276
5 Claims. (Cl. 285—210)



1. An integral pipe fitting or like structure composed of binder-impregnated irregularly-shaped pieces of fibrous material massed together in interspersed relation to form a wall structure having irregular lines of cleavage between the component pieces but being free from any set or definite line of cleavage.

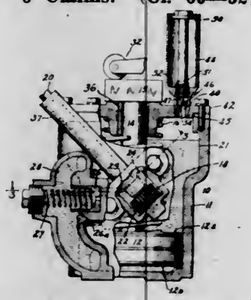
2,082,612
ADVERTISING CLOCK
Edgar Bourquin, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application October 20, 1936, Serial No. 106,593
7 Claims. (Cl. 40—34)



1. In combination with a clock having an electric driving motor, a clock-operating mechanism driven by such motor, a clock dial, a display disk rotatively mounted at the center of and in front of the clock dial and having a central viewing window through which the clock dial may be seen and an annular display portion surrounding such window, means for driving said display disk from said motor so as to give the disk a rotary cycle of movement in timed relation to said clock at not less than one revolution per minute, and a stationary crystal for said clock spaced from and covering the front of said display disk.

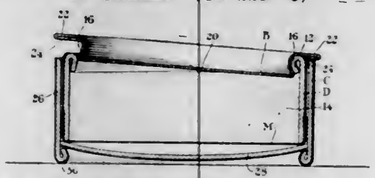
said crystal having transparent sections through which the clock dial and display disk may be seen.

2,082,613
HYDRAULIC OPERATING MECHANISM
George W. Bower, Wesleyville, Pa., assignor to General Electric Company, a corporation of New York
Application August 3, 1934, Serial No. 738,249
6 Claims. (Cl. 60—52)



2. Pressure equalizing means comprising a casing provided with an inlet and a vent to the atmosphere, normally open valve means connecting said inlet with said casing, said valve means having a passageway at all times connecting said inlet with a remote portion of said casing, and means within said casing forming a restricted flow path from said passageway for changing abruptly the direction of said flow path, said normally open valve means being movable to a closed position in response to the pressure at said inlet to restrict to said passageway the flow path from said inlet to said casing.

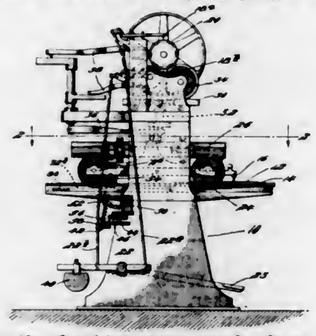
2,082,614
SEALED CONTAINER
Leo Harold Brodrick, New York, N. Y.
Application July 10, 1934, Serial No. 734,478
17 Claims. (Cl. 229—6)



1. A three-part container comprising a cylindrical drum closed at its upper end by a frangible membrane but open at its lower end, a relatively thick rigid disc-like bottom for said drum, said bottom having an outwardly projecting flange and being arranged upon application with pressure from the outside to mechanically interlock with said drum and bottom for permanently securing said bottom to said drum without the use of adhesives, and a readily removable slip cover comprising a top wall and a cylindrical side wall dimensioned to slip over the top of the drum to the bottom flange.

2,082,615
PANTOGRAPH
Charles W. Brown, Norwich, Conn., assignor to The United States Finishing Company, Providence, R. I., a corporation of Connecticut
Application May 13, 1933, Serial No. 670,872
30 Claims. (Cl. 33—23)

21. In a linear measuring apparatus, a tracing member, means to resolve the back and forth movement of said member into component movements at right angles to each other, means to form signal indications varying proportionately



to the length of said movements back and forth and means to register the total of said signal indications.

2,082,616
TUBULAR ELECTRIC INCANDESCENT LAMP
Paul O. Cartun, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application May 1, 1935, Serial No. 19,238
4 Claims. (Cl. 176—39)



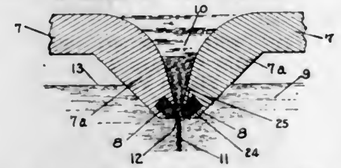
4. In an incandescent lamp, a tubular bulb, a pair of filaments extending longitudinally of said bulb in end to end relation, a metal terminal member secured to each end of said bulb, the remote end of each of said filaments being electrically connected to the adjacent terminal member, a pair of channel-shaped metal stays each longitudinally co-extensive with one of said filaments, insulating means for holding the adjacent ends of said stays in spaced relation, each of said stays being electrically connected at its remote end to the adjacent terminal member, and a conductor secured at one end to one of the adjacent ends of each of said stays and at the other end to the adjacent end of the filament which is co-extensive with the other stay whereby said filaments are electrically connected in multiple between said terminals.

2,082,617
CLOSURE
Leslie R. N. Carvalho, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application August 27, 1936, Serial No. 98,161
3 Claims. (Cl. 215—43)



3. A closure formed of sheet metal and comprising a top cover portion and a two-ply depending skirt, the outer ply of the skirt being integral with the cover portion and the inner ply being formed of a strip of slightly greater length than the internal circumference of the outer ply and being curved to fit within said outer ply, said inner ply being formed with screw threads that terminate short of the ends of the strip, said ends being folded upon themselves outwardly and being nested between the metal of the strip and the wall of the shell, the edges formed by said ends being folded abutting in close proximity to said shell.

2,082,618
EXTRUSION DEVICE
Clarence E. Coleman, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 30, 1935, Serial No. 4,101
6 Claims. (Cl. 18—15)



1. In a device for forming cellulosic articles by passing a cellulosic liquid through an orifice into a coagulating medium, a hopper chamber composed of "Alloy G" having an orifice therein, inserts cold rolled into the side walls of said orifice adjacent the mouth thereof, said inserts comprising a noble metal.

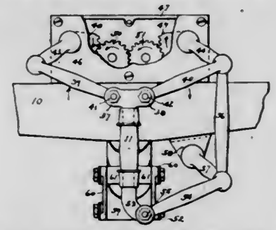
2,082,619
SEPARABLE FASTENER
Eberhard H. Dau, Ingram, Pittsburgh, Pa.
Application October 10, 1935, Serial No. 44,349
4 Claims. (Cl. 24—205)



1. A separable fastener comprising a pair of stringers carrying a plurality of opposed interlocking fastener members which are constructed and arranged to interlock with their longitudinal axes occupying a common plane, said opposed interlocking fastener members being distinct from said stringers and defined by surfaces other than the surfaces of said stringers, the surfaces defining said interlocking fastener members being extended beyond the surfaces of those portions of said stringers by which they are carried, the thickness of the edges of said stringers being at least equal to the width of the bases of the interlocking fastener members carried thereby.

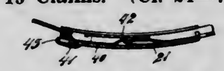
2,082,620
INDIVIDUAL WHEEL-SUSPENSION FOR VEHICLES
Bjarne Ellefsen, Brooklyn, N. Y.
Application October 31, 1935, Serial No. 47,589
2 Claims. (Cl. 267—19)

1. A device of the class described comprising a wheel-supporting member, a gear casing, a pair of gears contained in said casing, the casing secured to the chassis of the vehicle on which employed, similar pairs of links and levers connected between the gears and the wheel-supporting member on opposite side of said member and at the top thereof, the wheel-supporting member yieldingly attached to a spring member secured to said chassis, the pairs of links and levers so connected that the gears and the wheel-supporting member will cause similar but opposite angular movements to both pairs of links and levers when shocks are imparted to the wheel-supporting member, and an additional set



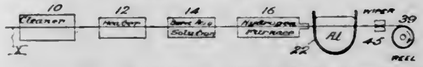
of links and levers provided on one side of the wheel-supporting member and connected between the lower part of said member and one of the upper links.

2,082,621
BRACELET BUCKLE
George Eklund, North Attleboro, Mass., assignor to J. F. Sturdy's Sons Co., a corporation of Massachusetts
Application June 22, 1933, Serial No. 677,075
15 Claims. (Cl. 24—71)



11. In an extension device, a top plate, an adjusting link slidably connected thereto, and an extension plate hingedly connected to said top plate and releasably foldable in contracted relation thereto, said link and top plate having cooperating normally engaged pawl and detent elements, the top plate element having a part extending longitudinally therefrom and past the hinge connection, and movable to disengage said elements.

2,082,622
ALUMINUM COATED METAL AND PROCESS FOR PRODUCING THE SAME
Colin G. Fink, New York, N. Y.
Application March 14, 1936, Serial No. 68,814
In Great Britain and Norway February 25, 1933
21 Claims. (Cl. 91—70.3)



1. A process of coating metals with aluminum, which comprises packing or charging the metal to be coated with a reducing gas to an extent where the behavior of the gas-charged metal toward molten aluminum undergoes a definite change in its susceptibility of forming a complete and tenacious union with molten aluminum, and thereafter introducing the gas-charged metal into molten aluminum.

2,082,623
WATER SOFTENING SYSTEM
David B. Gauss, Kalamazoo, Mich., assignor to H. L. G. Company, Kalamazoo, Mich.
Application April 5, 1935, Serial No. 16,400
12 Claims. (Cl. 210—24)

1. A water softening system comprising a brine tank having a valved brine suction pipe depending therein, a water softening mineral container, a cross fitting having a branch con-

nected to a drain, a branch connected to the bottom of said container, a branch connected to the top of said container, and a branch connected to a water supply, an injector having a lateral brine inlet connected to said brine suction pipe and a Venturi tube delivering to the bottom of said container, a water supply nozzle projecting into said injector for longitudinal adjustment



relative to said tube, and a valve in said cross fitting adapted in normal position to close the drain branch and container top branch and place said supply water branch and container bottom branch in communication, the valve in regenerating position closing said supply water branch and container bottom branch and placing said drain branch and container top branch in communication.

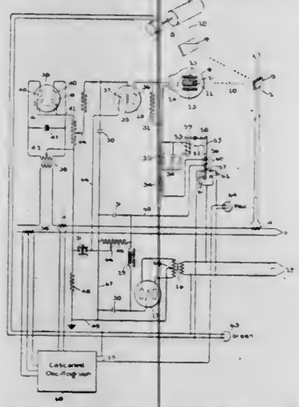
2,082,624

RECORDING INSTRUMENT

Julius H. Hagenguth and William A. McMorris, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York

Application October 18, 1934, Serial No. 748,970

4 Claims. (Cl. 234—61)



1. In a device of the light-beam type for recording transients in an electrical system, a cold light producing lamp for supplying a beam of light substantially instantly upon energization of the lamp, a source of current for energizing said lamp, controlling means responsive to voltage impulses for connecting said lamp to its current source, and means for impressing voltage impulses of a given polarity upon said controlling means in response to transients of either polarity in the electrical system.

2,082,625

METHOD OF PRODUCING A GERMICIDAL PREPARATION

Merrill C. Hart, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich.

No Drawing. Application December 31, 1934, Serial No. 760,041

3 Claims. (Cl. 260—154)

3. As a step in the method of preparing a germicide the condensing an appreciable excess of a cresol with an amyl alcohol to produce amylated cresol.

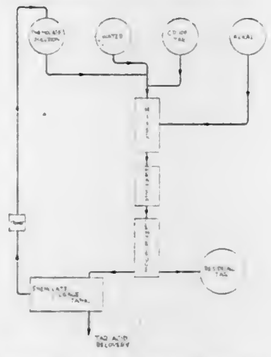
2,082,626

PROCESS OF RECOVERING TAR ACIDS FROM CRUDE TAR

Julius G. Hatman, Elkins Park, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa.

Application July 20, 1935, Serial No. 32,315

5 Claims. (Cl. 260—154)



1. The process of separating tar acids from crude tar which comprises adding a phenolate solution to said crude tar and mixing said solution with said tar, thereafter mixing an alkali solution with the mixture so formed and separating the resulting aqueous phase from the resulting tar phase by centrifugal force.

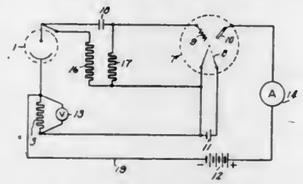
2,082,627

FEEDBACK AMPLIFYING CIRCUIT FOR LIGHT SENSITIVE DEVICES

Raymond R. Haugh, Chicago, Ill., assignor to General Electric Company, a corporation of New York

Application May 4, 1931, Serial No. 534,758

3 Claims. (Cl. 250—41.5)



1. In combination, an amplifier having input and output circuits, a photo-electric device, electrical connections between said input circuit and said device, a source of electrical energy for said output circuit, and a resistance connected to said source, included in the circuit of said device and so arranged as to energize said device and simultaneously feed back a portion of the amplifier output energy to said device.

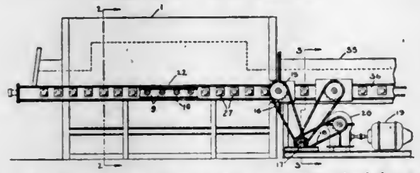
2,082,628

ROLLER HEARTH FURNACE

George W. Hegel, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application August 5, 1936, Serial No. 94,380

6 Claims. (Cl. 263—6)



1. A roller hearth furnace constructed to contain a gas atmosphere and having a plurality of rolls extending therethrough, means connected with said rolls for rotating the same and a gas tight casing secured to a wall of the furnace and enclosing corresponding ends of said rolls and said rotating means.

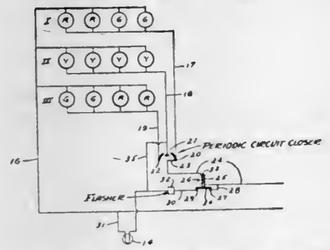
2,082,629

ELECTRIC SIGNAL DEVICE

Henry H. Helmbright, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application June 9, 1933, Serial No. 674,991

1 Claim. (Cl. 177—337)



An electric signal comprising in combination a plurality of groups of lamps, the lamps in each group being electrically connected in multiple, means for causing each of said groups of lamps to be successively illuminated, a relay comprising a coil and contacts, said coil being connected in series with said signal lamps and a secondary circuit including said relay contacts and one of said groups of lamps, said relay being adapted to close said secondary circuit and illuminate the group of lamps included therein upon failure of one or more lamps in the remaining groups without affecting the operation of the remaining lamps in the signal.

2,082,630

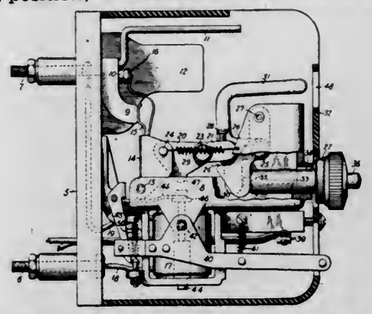
ELECTRIC SWITCH

Charles H. Hill, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application July 12, 1935, Serial No. 31,010

7 Claims. (Cl. 200—89)

1. An electric switch comprising a movable circuit controlling member and means for actuating said member to and holding it in circuit closing position including a trip-free collapsible mechanism connected to said member, and a rotatable and translatable operating member translatable from one position after a predetermined angular movement in one direction to permit a resetting action of the collapsible mechanism and translatable back to said position to move said circuit controlling member to the closed position, and means for subsequently holding said handle after a predetermined angular movement in the opposite direction while in said position whereby to maintain the circuit controlling member in the circuit closing position.



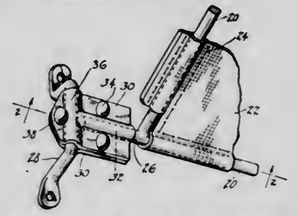
2,082,631

VISOR CONSTRUCTION

Charles Bayard Johnson, Monroe, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan

Application October 12, 1934, Serial No. 748,045

7 Claims. (Cl. 296—97)



1. Visor supporting mechanism comprising, in combination with a visor panel having a projecting horizontal pivot portion and a fixed bracket having a vertical pivotal portion, a pair of clamping plates provided with complementary T-shaped grooves adapted to receive the pivot portion of the visor panel and the pivot portion of the fixed bracket with said pivot portions disposed normal to each other, and means holding said plates clamped against said pivot portions to permit resisted rotation of said pivot portions each within its grooves while maintaining frictional engagement of the plates upon said pivot portions to maintain the plates at any angular position of adjustment to which they may be swung with respect to either pivot portion.

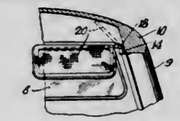
2,082,632

VISOR CONSTRUCTION

Charles Bayard Johnson, Monroe, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan

Application November 7, 1934, Serial No. 751,929

5 Claims. (Cl. 296—97)



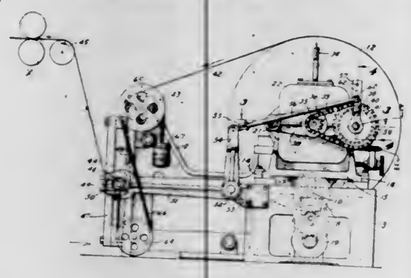
1. Visor mechanism for a vehicle body having a windshield and a side window comprising a

visor panel having a pivot portion, a supporting bracket secured to the body above the windshield, an angular clamping member having one leg in the form of a slit tube grippingly held about said pivot portion permitting swinging movement of the visor from a position overlying the windshield to a position thereabove, said clamping member having another leg grippingly engaged by said bracket to be swung to permit adjustment of the visor from a position overlying the windshield to a position overlying a side window.

2,082,633

BRAKE MECHANISM

Robert McC. Johnstone, Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York
Application August 23, 1935, Serial No. 37,494
6 Claims. (Cl. 242—75)

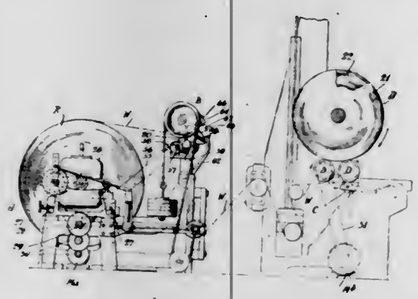


1. Apparatus for controlling brake action including a brake provided with rotary means for varying the brake pressure, and operating means having a concentrically and radially adjustable connection with said rotary means.

2,082,634

ELECTRIC CONTROL SYSTEM

Robert McC. Johnstone, Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York
Application February 1, 1936, Serial No. 61,887
11 Claims. (Cl. 164—65)

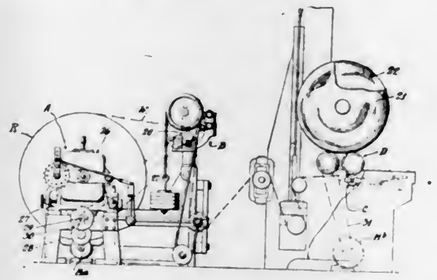


1. In a control system: means to supply a web of flexible material; a reversible motor and connections to shift the web supply means transversely of the flow of the web in one direction or the other; a scanning device and circuit means, responsive to transverse displacement in the position of a mark on the web that flows from the supply means, to energize the motor in one direction or the other depending upon the direction in which said mark is displaced; and means to vary the speed of the reversible motor in response to variations in speed of the web flow.

2,082,635

WEB CONTROL MECHANISM

Robert McC. Johnstone, Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York
Application August 27, 1936, Serial No. 98,174
5 Claims. (Cl. 242—76)

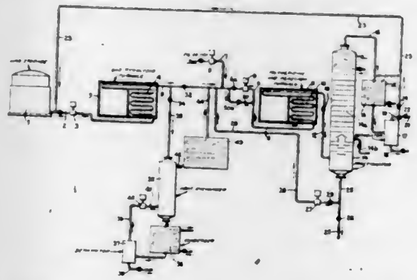


3. In a system for controlling the side register of a flowing web of flexible material, mechanism to shift the web sidewise; and circuit means, including a body of conductive material carried by said web and arranged to form a longitudinal zone, to control the mechanism aforesaid.

2,082,636

PYROLYTIC TREATMENT OF HYDROCARBONS

Percy C. Keith, Jr., Port Washington, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application February 1, 1933, Serial No. 654,613
3 Claims. (Cl. 196—9)

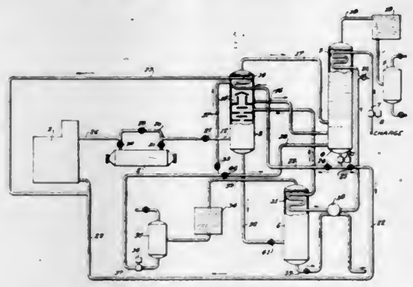


1. The process which comprises subjecting normally gaseous hydrocarbons of the paraffin series substantially free from normally liquid hydrocarbon oil to a temperature of from 1,100° to 1,750° F. to effect a pyrolytic conversion of such hydrocarbons to olefinic hydrocarbons and liquid products, cooling the gaseous products to remove therefrom liquid products formed during said pyrolytic conversion, intimately contacting gaseous products resulting from said conversion after separation of said liquid products with normally liquid oil, reacting the commingled gaseous products and normally liquid oil prior to the separation of any heavy oil therefrom and in the absence of added catalyst at an elevated temperature while being maintained under superatmospheric pressure for a sufficient period of time to effect the formation of normally liquid low boiling hydrocarbon oil and fractionating the resultant products to recover said low boiling hydrocarbon oil in liquid form.

2,082,637

METHOD OF TREATING HYDROCARBON OIL

Percival C. Keith, Jr., Port Washington, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application June 13, 1933, Serial No. 675,542
3 Claims. (Cl. 196—51)



1. The process of treating hydrocarbon oil which comprises heating a clean distillate cracking stock to cracking temperature under superatmospheric pressure, introducing the larger part of the resulting heated oil into a reaction zone held under superatmospheric pressure wherein conversion into lighter products takes place, conducting the digested oil from said zone into an evaporating zone held under reduced pressure wherein separation of vapors from liquids takes place, withdrawing vapors from said evaporating zone and introducing them into a fractionating zone wherein fractional condensation thereof occurs, removing fractionated vapors from said fractionating zone and condensing them as a desired product, removing liquids from said evaporating zone and introducing them into a flashing zone of lower pressure wherein separation of vapors from liquids takes place by the contained heat of the oil, removing resulting vapors from said flashing zone, condensing them and introducing resulting condensate into said evaporating zone as a refluxing medium, passing fresh relatively heavy charging stock in indirect heat exchange relation with vapors in said fractionating zone, then in indirect heat exchange relation with vapors in said flashing zone, introducing the resulting preheated charging stock into an intermediate portion of said evaporating zone so that said charging stock passes downwardly in countercurrent heat exchange with hot rising vapors, to cause dephlegmation of said vapors and stripping of said charging stock, simultaneously introducing a portion of the heated oil from said cracking zone directly into said evaporating zone in quantities sufficient to maintain the base of said evaporating zone at a cracking temperature so as to cause light cracking of said fresh charging stock, forming a heavy condensate in said evaporating zone at a point above that of the introduction of said fresh charging stock, removing condensate so formed and introducing it into the base of said fractionating zone, and removing reflux condensate from said fractionating zone and utilizing said condensate as said clean cracking stock first mentioned.

2,082,638

ELECTRICAL DISCHARGE DEVICE

Kenneth H. Kingdon, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application June 1, 1928, Serial No. 282,160. Divided and this application December 20, 1933, Serial No. 703,285
6 Claims. (Cl. 250—27.5)

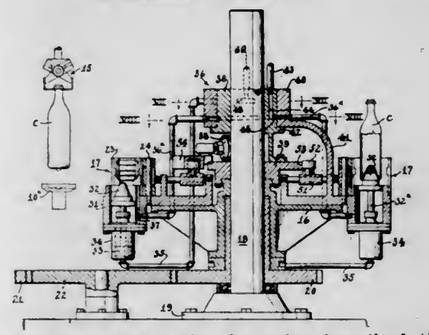


6. An electron discharge device comprising an envelope containing an anode, an electrostatic control member and a cathode sensitive to ion bombardment immersed in an ion-producing medium, said anode surrounding the cathode and provided with vanes which extend in planes intercepting the cathode, said control member interposed between the cathode and anode and having a portion in line therewith, and having another portion which constitutes a vane positioned between a pair of anode vanes for receiving the products of ionization during operation.

2,082,639

MACHINE FOR PRODUCING HOLLOW GLASS ARTICLES

Clarence C. Kinker, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application December 7, 1934, Serial No. 756,440
5 Claims. (Cl. 49—1)



1. In apparatus of the character described, the combination of a bottle holder consisting of a pair of expansible jaws, means for bringing the jaws into gripping engagement with the side surface of a bottle in said holder, a bottom former arranged for movement into engagement with and reshaping one surface of the bottle and means common to the bottom former and jaws for actuating said former and increasing the gripping action of the jaws.

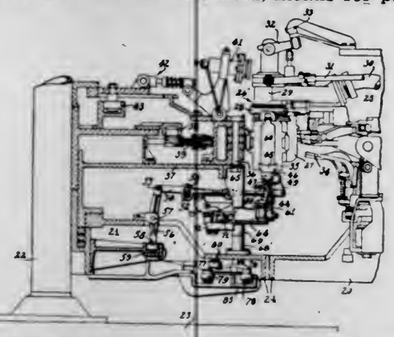
2,082,640

MACHINE FOR FORMING HOLLOW GLASS ARTICLES

Clarence C. Kinker, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application April 15, 1935, Serial No. 16,304
11 Claims. (Cl. 49—9)

1. A glassware forming machine including blank and finishing mold tables arranged side by side for continual rotation about separate vertical axes, mold groups on the blank mold

table continually rotating therewith, each mold group including partible cooperating body blank and neck molds, mold groups on the finishing mold table, each group including a partible finishing mold and a mold bottom plate, means for imparting continuous rotary movement to the tables and said molds whereby the molds are brought in succession to a blank transferring position between said tables, means for opening each body blank mold in advance of the blank transferring position and thereby suspending a bare blank from the neck mold, means for pro-



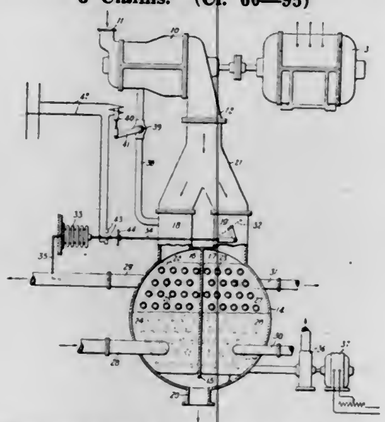
jecting the corresponding mold bottom plate radially outward into supporting engagement with the lower end of the blank in advance of said transferring position, means for closing the corresponding finishing mold about the blank at said transferring position, means for expanding the blank in the finishing mold, and means for moving the mold bottom plate about its own vertical axis as it approaches the blank transferring position to eliminate relative rotation between the mold bottom plate and said neck mold during said period.

2,082,641

CONDENSER ARRANGEMENT

Robert Koch, Belfort, France, assignor to General Electric Company, a corporation of New York

Application August 7, 1935, Serial No. 35,195
In France August 22, 1934
3 Claims. (Cl. 60—95)



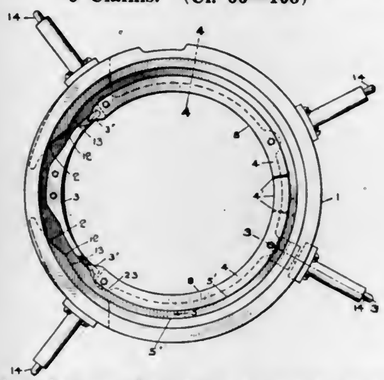
1. The combination of an elastic fluid engine, a surface type condenser having at least two chambers, a branched conduit connected between the engine exhaust end and said chambers, a separate cooling circuit for each chamber, each cooling circuit including a plurality of tubes and an inlet and an outlet conduit connected to the tubes, and means for automatically controlling the temperature of the cooling medium discharged from the outlet conduit of one of the circuits comprising a device responsive to the temperature in such outlet conduit and a valve connected to the device and disposed in the branched conduit.

2,082,642

SINKER OR WEB HOLDER CONTROL

Robert H. Lawson, Pawtucket, and Arthur N. Cloutier, Lonsdale, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application April 9, 1929, Serial No. 353,835
9 Claims. (Cl. 66—108)



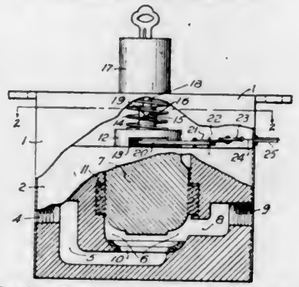
1. A sinker cap for use in a circular knitting machine, comprising sinkers and sectional cams therein for the control of the said sinkers throughout the knitting and non-knitting portions of the camway, and means acting through the sectional cams for yieldingly controlling the movements of the sinkers in a radial direction substantially throughout the non-knitting portions of the camway.

2,082,643

FUEL VALVE LOCK

Charles E. Leece, Youngstown, Ohio

Application July 27, 1936, Serial No. 92,839
4 Claims. (Cl. 251—6)



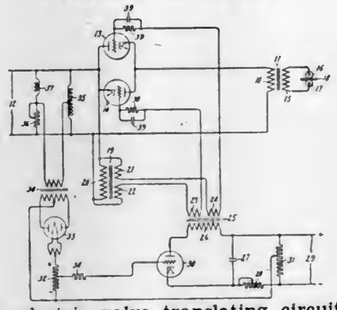
1. In a fuel valve lock comprising a valve casting, a metal housing positioned around said valve casting, said valve casting provided with an inlet and outlet opening, a valve chamber centrally positioned within said valve casting, a plunger having recesses formed in its upper portion and positioned within said valve chamber, a gasket positioned within said valve casting adjacent to said plunger, a spirally slotted tubular member formed on said plunger, means for holding said plunger in an elevated position, and means for holding said plunger in a closed position, a cylinder lock positioned on said metal housing, an operating bar integral with said cylinder lock and extending within the spirally slotted member of said plunger, a pin positioned in the lower end of said operating bar and engaging the spiral slot in the said tubular member of the plunger.

2,082,644

ELECTRIC VALVE TRANSLATING CIRCUIT

Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 2, 1936, Serial No. 57,191
9 Claims. (Cl. 250—27)



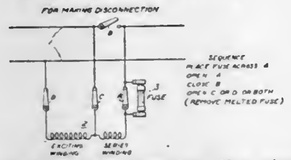
1. An electric valve translating circuit comprising a source of alternating current, a load circuit, a pair of electric valves reversely connected in parallel and interconnecting said source and said load circuit, each of said valves having a control element, and means for applying to the control element of each of said valves a potential that normally renders said valves nonconductive and a potential that periodically renders said valves conductive, said periodic potential having a period equal to an odd number of half cycles of said source.

2,082,645

TRANSFORMER CONNECTION

Orin P. McCarty, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application January 6, 1937, Serial No. 119,235
5 Claims. (Cl. 171—97)



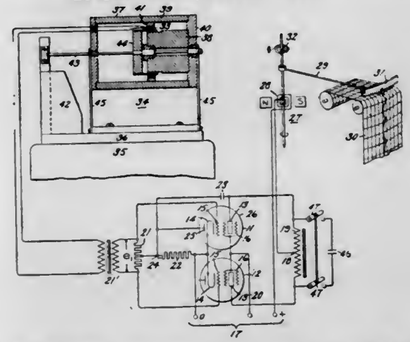
1. The method of changing the circuit relationship between a transformer and an alternating current circuit without interrupting the current in said circuit, which comprises connecting a current actuated circuit interrupter in said circuit, and short-circuiting said transformer through said interrupter while the exciting winding of said transformer is energized, said interrupter being capable of carrying the circuit load current but being incapable of carrying the transformer short-circuit current whereby when the transformer short-circuit current actuates said interrupter it automatically makes the desired change in circuit relationship between said transformer and said circuit.

2,082,646

TAPERED SCALE VOLTMETER

Milton S. Mead, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 13, 1934, Serial No. 757,311
13 Claims. (Cl. 175—183)



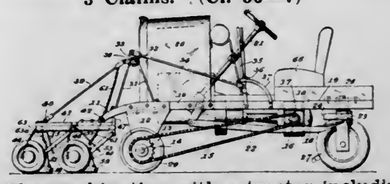
1. A tapered response voltmeter having its scale expanded at the lower end, which voltmeter comprises in combination, a discharge tube having an anode, a cathode, and a control grid, a source of current energizing an anode circuit formed through the anode and cathode of said tube and having positive and negative terminals, a reactor connected between the positive terminal of said source and the anode of said tube, a current-responsive instrument connected in series with said reactor and said source in the anode circuit, a grid circuit resistor having a terminal connected to the cathode of said tube and an input terminal, the voltage to be measured being applied between said input terminal and the control grid of said tube, a condenser connected between the anode of said tube and the input terminal of said resistor, and a rectifier connected across said resistor with its positive side connected to the input terminal.

2,082,647

LAWN MOWER

William Moe, Milford, Conn.

Application August 3, 1936, Serial No. 93,999
3 Claims. (Cl. 56—7)



1. The combination with a tractor including a chassis frame, of bearing supports upon the forward part of the frame, a rocker shaft journaled in said supports and extending across the front of the tractor, manual means for operating the rocker shaft, a mower carrying frame hingedly connected to the front end of the chassis frame, two rows of individual mowers connected beneath the frame in alternate relation, connections between the rocker shaft and the forward end of the frame whereby the same and its mowers may be raised by the operation of the rocker shaft, push bars connecting the mowers with the frame, guide means secured to and depending from the frame to engage the push bars to flexibly guide the mowers, connections from the frame to the front of each mower, additional

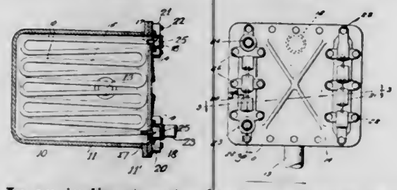
connections from the frame to the rear of each mower and from the frame to rearwardly extended portions of the mower frame carrying the ground engaging rollers to insure the raising of the rear portion of the mower units from the ground with the raising of the frame.

2,082,648

WATER HEATER CONSTRUCTION

Walter S. Moffitt, Warwick, R. I., assignor to General Fittings Company, Providence, R. I., a corporation of Rhode Island

Application April 11, 1936, Serial No. 73,928
5 Claims. (Cl. 257—230)



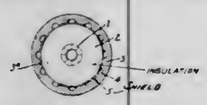
1. In an indirect water heater, a casing having an inlet for heating fluid and an outlet for cooled heating fluid, said casing having a face plate, a plurality of substantially horizontal coils each comprising a plurality of continuous loops in the plane of the coil and in series and having its ends mounted in said face plate, and header means secured to said face plate and connecting said coils in series relation.

2,082,649

METHOD OF AND MEANS FOR EXERTING AN ARTIFICIAL PRESSURE ON THE INSULATION OF ELECTRIC CABLES

Karl-Heinz Nägeli, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, a corporation of Germany

Application September 11, 1934, Serial No. 743,587
In Germany September 18, 1933
8 Claims. (Cl. 173—266)



1. A cable installation comprising a length of cable having an insulated conductor and an enclosure, a means for continuously supplying an insulating fluid medium to and maintaining it under a determined pressure within the insulation in the region of the conductor, and conduit means connected to the enclosure which continuously receives the fluid medium after its pressure has been reduced by passing outwardly through the insulation and returns it to the supplying means.

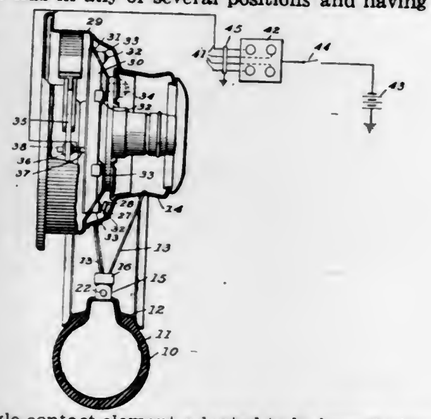
2,082,650

AUTOMOBILE TIRE PRESSURE INDICATING SYSTEM

Horace W. Olsen, Austin, Tex., assignor of twenty per cent to Robert Hulen Lawrence, Austin, Tex., and forty per cent to James L. De Vault, Ocheltree, Kans., and George S. Hinkle, Kilgore, Tex.

Application May 26, 1932, Serial No. 613,756
7 Claims. (Cl. 173—324)

1. A current conducting assemblage comprising in combination, a series of uniformly spaced contacts arranged on a retained portion of a hub structure, a connection between the contacts, and a demountable wheel adapted to be mounted on the hub in any of several positions and having a



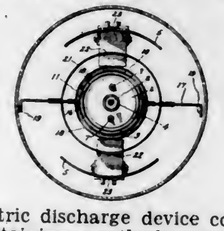
single contact element adapted to be brought into registration with one of the hub contacts in any of the applied positions of said wheel.

2,082,651

ELECTRIC DISCHARGE APPARATUS

Otis W. Pike and Thomas A. Elder, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application March 15, 1934, Serial No. 715,630
6 Claims. (Cl. 250—27.5)



1. An electric discharge device comprising an envelope containing a cathode coated with electronically active material, and a plurality of anodes mounted about the cathode, an ionizable medium in the envelope at a pressure under operating conditions, sufficient to support an arc-like discharge, a heat shield mounted about the cathode, said heat shield having discharge openings, a sputter shield interposed between the heat shield and the anodes, said sputter shield having discharge openings out of line with the openings in the heat shield.

2,082,652

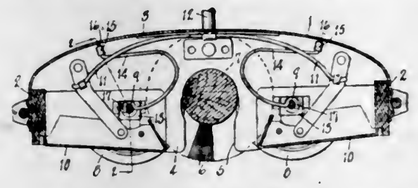
CARPET SWEEPER

Fred W. Pullen, Grand Rapids, Mich., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich.

Application March 16, 1935, Serial No. 11,484
4 Claims. (Cl. 15—41)

1. In a carpet sweeper having a case, a centrally disposed brush having driving hubs at its ends and floor wheels engaging said brush hubs and connected by floating axles extending through the case, the combination of a metallic case end having a pair of openings therein through which the axles extend and larger than the axles extending therethrough, a pair of substantially vertically disposed sleeves struck up

inwardly from the metal of the case end and disposed above and toward the end of the case end from said opening, and a pair of springs for supporting the case and for urging the wheels toward the brush hubs, comprising curved wires each having one end bent outwardly at an angle to the spring and fitted within one of the sleeves from the bottom and having the other end pro-



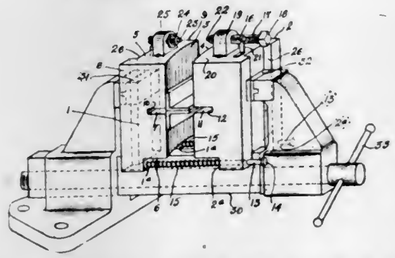
vided with a bend therein facing downwardly and engaging the top of an axle when the spring is compressed, whereby the force of the spring urges the floor wheels downwardly and toward the brush hubs and urges the outwardly bent end of the spring into place in said sleeve, said springs being disposed with the curves extending toward the brush and beyond the axle with which they are engaged.

2,082,653

METAL BENDING APPARATUS

Jesse E. Rawson, Cleveland, Ohio

Application November 13, 1935, Serial No. 49,546
5 Claims. (Cl. 153—53)



1. In combination with a vise having a stationary jaw, a movable jaw and a screw housing, a device for bending angles comprising a pair of dies movable relatively to each other, each of said dies having downwardly extending elements engaging the sides of said screw housing, slide rods secured to the elements of one of said dies and extending through the elements of the other die, and coiled springs mounted on said rods, said springs resisting the movement of said dies towards each other.

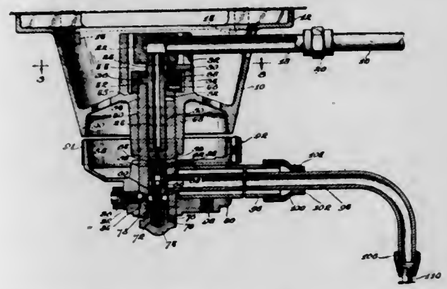
2,082,654

JOINT FOR LUBRICATING APPARATUS

Allan Warren Reader, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application February 3, 1936, Serial No. 62,217
6 Claims. (Cl. 285—9)

1. An overhead swivel for delivering fluids under high pressure to a discharge hose, comprising a bearing member constructed and arranged to be secured to an overhead support, a vertical hollow spindle rotatably mounted in said bearing member, a tubular pintle mounted in fixed relation to said bearing member and rotatable within said spindle and having a projection of reduced diameter, an annular packing located between said projection and said spindle, a cap



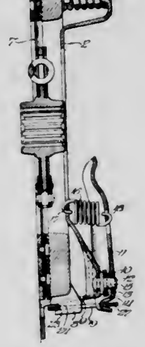
closing the end of said spindle, a discharge pipe secured to said spindle to conduct fluid from the hollow interior thereof and extending horizontally from said spindle.

2,082,655

FRICTION CLUTCH

Harold V. Reed, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application January 24, 1936, Serial No. 60,559
9 Claims. (Cl. 192—68)



1. In a friction clutch, a pressure plate, spring means urging said plate in one direction, a lever mounted for pivotal movement, a member for transmitting force from said lever to said plate against the action of said spring means, and a roller interposed between said member and said lever, said member being floatingly mounted relative to said plate and said lever and free to move pivotally relative thereto.

2,082,656

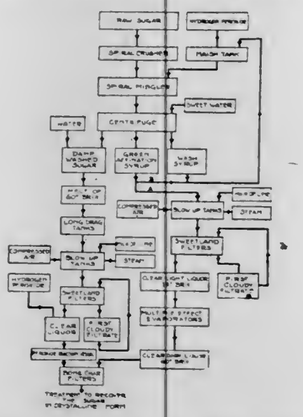
PROCESS OF PURIFICATION OF SUGAR SOLUTIONS

Joseph S. Reichert and Ralph B. Elliott, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 11, 1935, Serial No. 30,884
9 Claims. (Cl. 127—64)

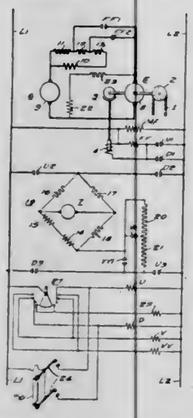
1. A process for decolorizing a liquor containing cane sugar which comprises the steps of rendering

said liquor substantially neutral in reaction by subjecting said liquor to the action of an alkali at a temperature in excess of room temperature but below the boiling point of said sugar containing liquor, subjecting said liquor to the action of hydrogen peroxide under conditions such that rapid decomposition of the hydrogen peroxide is substantially completely avoided, added catalysts



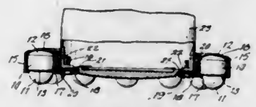
for the decomposition of hydrogen peroxide being substantially absent during said treatment, permitting said liquor to stand until the hydrogen peroxide therein has been substantially completely decomposed, and subsequently passing said liquor through an adsorbent filter, said sugar-containing liquid being maintained substantially neutral during the entire process.

2,082,657
ELEVATOR SYSTEM
Danilo Santini, Chicago, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application July 31, 1936, Serial No. 93,619
7 Claims. (Cl. 172—152)



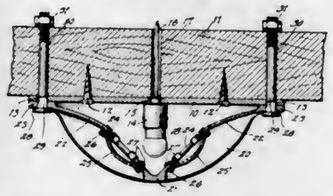
7. In an elevator system of the variable voltage type, an elevator car operable in a hatchway past a floor, variable-voltage motive equipment for said car comprising a hoisting motor and a variable voltage generator having a generator armature connected to said motor and having a separately-excited field winding, an auxiliary machine for regulating the speed of said motor, said auxiliary machine comprising a series-type winding connected in series with said generator armature and said motor, a separate excitation winding, and an auxiliary machine armature, three bridge resistors, a Wheatstone bridge circuit having said bridge resistors in three legs and said separately excited field winding and said separate excitation winding in the remaining leg, said bridge circuit having said auxiliary machine armature connected to a diagonal thereof, a separate excitation source connected to the remaining diagonal of said bridge circuit, a shunt in parallel relation to said series-type field winding, starting and stopping means for controlling said motive equipment to effect starting, acceleration and stopping of said car for runs between floors, levelling mechanism effective in a zone adjacent said floor for relevelling said car to said floor, and means effective during operation of said levelling mechanism for providing reduced effectiveness of said shunt.

2,082,658
REFLECTOR SIGNAL DEVICE FOR TAILLIGHTS
Henry J. Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut
Application September 14, 1934, Serial No. 743,975
1 Claim. (Cl. 88—81)



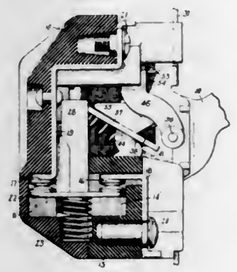
In combination with a signal light comprising a lamp carrying casing, a closure having a lens, a means for securing said closure to said casing, a reflector comprising a frame entirely exterior of and separable from said casing and disposed in surrounding relation to said casing entirely out of the path of the lamp rays passing through said lens, attaching means for said reflector carried by said frame engaged with said closure in registering relation with said securing means and secured to said closure by engagement of said securing means with said attaching means, and autocollimating reflector means carried by said frame adapted to reflect an outside source of light.

2,082,659
COLLISIONPROOF CLEARANCE LAMP FOR VEHICLES
Henry J. Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut
Application May 9, 1936, Serial No. 78,791
3 Claims. (Cl. 240—8.2)



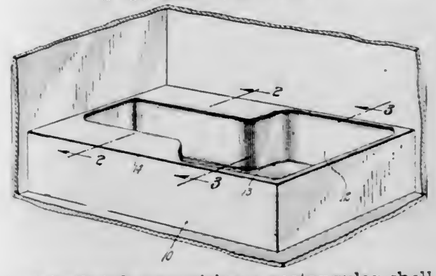
1. A clearance lamp for vehicles, comprising a lamp bulb socket mounting member, a lamp bulb socket mounted on said member, a casing member secured to said socket mounting member to enclose said lamp bulb socket and comprising upper and lower walls, the front edges of which are arcuate in outline, and a front wall having a central portion and recesses at each side of said central portion, said recesses each having a lens aperture and a lens for said aperture, said lens apertures being disposed at each side of said lamp bulb socket and disposed in planes each at an angle to the longitudinal and transverse axes of said casing member whereby said lenses are visible along said axes.

2,082,660
CIRCUIT BREAKER
Richard H. Schmitt, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 27, 1935, Serial No. 28,617
12 Claims. (Cl. 200—116)



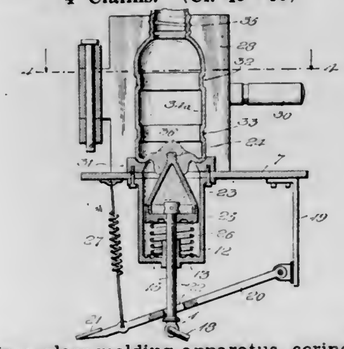
12. A circuit breaker comprising an insulating base having a recess therein, a fixed contact supported in said recess, an insulating block having a cooperating recess therein, a fixed contact supported in said cooperating recess, means for securing said block on said base, said recesses cooperating to form a cavity having spaced apart fixed contacts therein, a movable bridging member within said cavity supported and guided solely by engagement with the walls thereof, spring means arranged between said bridging member and a wall of said cavity for biasing said bridging member to a closed circuit position in which said bridging member engages said fixed contacts, a freely movable member slidably extending through another wall of said cavity and biased to one position by abutting engagement with said bridging member, means supported on said base adjacent said other wall of said cavity operable towards the extending end of said slidable member with a snap action for striking said slidable member a hammer blow to move said slidable member and thereby quickly operate said bridging member to open circuit position, said striking means being operable away from said slidable member with a snap action to permit said biasing spring to operate said bridging member to said closed circuit position, a movable tripping member normally biased for movement toward said slidable member, means for latching said tripping member in spaced relation to said slidable member, and current responsive means for releasing said latching means whereupon said tripping member is operated in accordance with its bias to strike said slidable member a hammer blow and quickly operate said bridging member to said open circuit position.

2,082,661
BATHTUB
Benjamin I. Simpson, Chicago, Ill.
Application July 9, 1936, Serial No. 89,735
2 Claims. (Cl. 4—173)



1. A bath tub comprising a rectangular shell of uniform depth whose top surface is wider at one end to provide a pair of seats thus leaving a narrow center portion free.

2,082,662
GLASS MINNOW TRAP AND METHOD OF MANUFACTURING SAME
Ewin O. Simpson and Albert F. Kraft, Fort Smith, Ark.
Application April 6, 1934, Serial No. 719,388
4 Claims. (Cl. 49—69)



4. In a glass molding apparatus, coring mechanism comprising a cylinder open at one end, a mold element extending partly across the bore of said cylinder at its open end, a conical core member disposed in said cylinder for movement axially thereof, the base of said core member being adapted to abut said mold element to limit the extent of movement of said core member in one direction, spring means in said cylinder and normally urging said core member into projected position with respect to the cylinder, and means operable axially through said cylinder for retracting said core member thereinto against the tension of said spring means.

2,082,663
SLIDING REACH AND SLEEVE FOR TRUCK BEDS
Guy P. Slater, Sand Springs, Okla.
Application February 24, 1936, Serial No. 65,476
2 Claims. (Cl. 214—85)

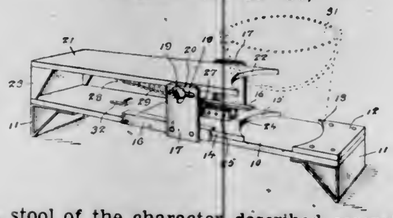
1. In combination with a motor vehicle chassis and a movable bed slidably mounted on said chassis and having tracks, a bracket secured to the chassis, rollers carried by said bracket to engage the tracks, a reach pole secured to said bed, and a sleeve secured to said bracket and slid-

ably receiving the reach pole and co-operating therewith in limiting the movement of the bed



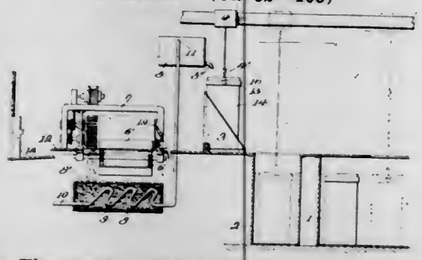
relative to the chassis to prevent accidental detachment of the bed from the chassis.

2,082,664
MILK STOOL
Fred C. Trautvetter, Warsaw, Ill.
Application April 3, 1936, Serial No. 72,600
1 Claim. (Cl. 31—57)



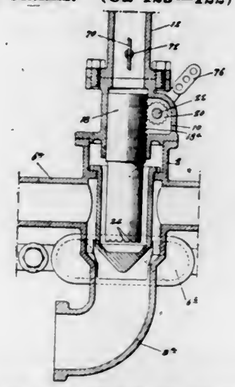
A stool of the character described comprising a bench formed with a flat top providing a rest for a pail, guides fixed to opposite longer edges of the top, a stationary jaw on said top, a sliding jaw fitting said guides and movable toward and away from the stationary jaw, uprights carried by the bench and having transverse slots, a pivot engaged in said slots and adjustably secured in a fixed position, a rocking seat section carried by said pivot, a channeled rail fixed to the upper side of the slidable jaw and having spaced transverse holes, a pivot selectively engageable in said holes, an arm swingingly connected to the last named pivot, an eye depending from the seat section and loosely receiving said arm, a spring surrounding the arm and held fast thereto and working against the eye to tilt the seat section in one direction, and a jaw formed on the seat section.

2,082,665
METHOD AND APPARATUS FOR MANUFACTURING OBLONG BLOCKS OF CLEAR ICE
Migiel J. Uline, Washington, D. C.
Application January 27, 1934, Serial No. 708,665
6 Claims. (Cl. 62—105)



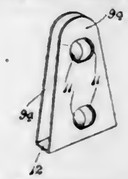
1. The method of manufacturing rectangular blocks of clear ice consisting in freezing rectangular blocks of ice having a length greater than the standard length block of ice, depositing said block of ice on a conveyor, moving said conveyor to bring the block of ice into engagement with a cutting machine to cut the ends squarely off and utilizing the chips of ice cut by the cutting machine to chill the water used for filling the cans to be frozen.

2,082,666
INTERNAL COMBUSTION ENGINE
Julius M. Ulrich, Riverside, Conn., assignor, by mesne assignments, to Fuoyl Engine Corporation, Greenwich, Conn., a corporation of Connecticut
Application June 22, 1933, Serial No. 677,160
3 Claims. (Cl. 123—122)



1. In an internal combustion engine, a fuel supply means, means for controlling the fuel supply and means for heating the fuel supply comprising a heated tubular member closed at one end and a second tubular member telescoping in said heated member, said second tubular member being notched for discharging all fuel supplied when engaged with the closed end of said heated tubular member.

2,082,667
DRAWER PARTITIONING
Anthony Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application December 2, 1935, Serial No. 52,505
1 Claim. (Cl. 45—7)



An article of manufacture of the class described comprising, a flat plate of metal, said plate having integrally formed embossments of segmental spherical shape extending therefrom, these embossments having juxtaposed terminal edges facing each other in spaced parallelism for the purpose described.

2,082,668
METHOD OF SHOWCASE ORNAMENTATION
Anthony Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application March 30, 1936, Serial No. 71,625
3 Claims. (Cl. 189—88)

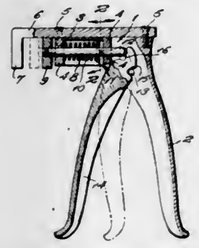
2. In combination, a member having a plurality of spaced headed pins, a second member having a similar plurality of key-hole slots, the larger portions of the slots permitting the passage

of the heads therethrough and the smaller portions receiving the pins proper but not permitting passage of the heads therethrough, the distances between the headed pins and the beginning of



the restricted portions of their corresponding slots increasing along the construction in a direction parallel to the row of pins and key-hole slots.

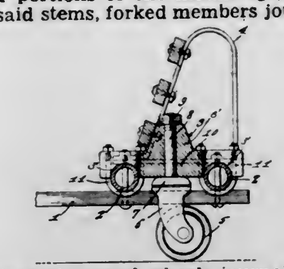
2,082,669
GLASS PLIERS
Karl Voigt, Pittsburgh, Pa.
Application September 30, 1935, Serial No. 42,981
1 Claim. (Cl. 49—52)



Pliers comprising an elongated body including spaced parallel walls, a stationary jaw, an attaching plate therefor with the jaw extending at right angles with respect thereto and said plate secured to the body for disposal along the walls thereof, a stationary handle fixed to the body and extending substantially at right angles with respect thereto and in a plane substantially parallel with that of the jaw, spaced lugs fixed between the walls, a spring pressed rod mounted for slidable movement through the lugs, a jaw adjustably secured to one end of the rod and cooperating with the stationary jaw, a handle pivotally secured to the stationary handle and engageable with the opposite end of the rod for moving the latter against the action of its spring.

2,082,670
SWEEP RAKE
Charles M. Voorhees, Madison, Kans.
Application November 27, 1935, Serial No. 51,917
1 Claim. (Cl. 56—396)

A sweep rake comprising spaced hollow rods, teeth secured to said rods, a rack secured to said rods, elongated mountings having spaced recesses receiving said rods, U-clamps securing the rods in the recesses and preventing said rods from moving relative to one another, said mountings having their thicknesses increased between the rods and apertured, stems extending through the apertured portions of the mountings, heads secured to said stems, forked members journaled on



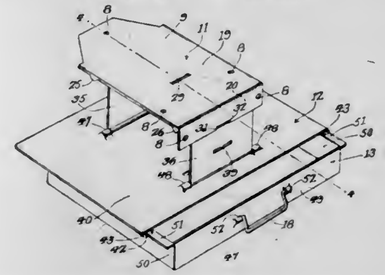
said heads, and ground wheels journaled on said forked members.

2,082,671
WRAPPER FOR CONFECTIONS
Edith M. Walker, San Francisco, Calif.
Application August 28, 1935, Serial No. 38,283
1 Claim. (Cl. 46—151)



A wrapper for a candy confection comprising a sheet of transparent material, having definite outlines thereon, of a head and dress of a doll-like figure, and a candy product adapted to be encased in said wrapper and consisting of a body simulating a doll-like figure, the candy product being so positioned in said wrapper that the outlines of the head will be positioned opposite the head of the figure and the outlines of the dress will be positioned opposite the body portion of the figure.

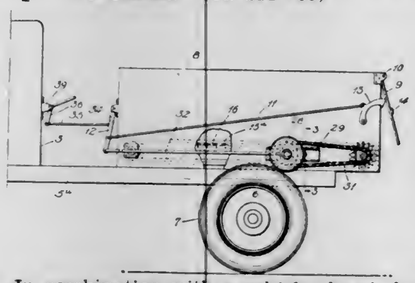
2,082,672
FOLDABLE AND EXTENDIBLE DRAWER STRUCTURE
Harvey Dawkins Waugh, Atlanta, Ga.
Application July 18, 1936, Serial No. 91,397
5 Claims. (Cl. 45—95)



1. A foldable and extendible drawer structure comprising a combined hanger, coupler and latch element adapted to be anchored stationary and a carrier element pivotally connected to, foldable against and extendible from the said other element and adapted to bodily carry therewith a drawer, one of said elements having spaced slots constituting a pair of keepers

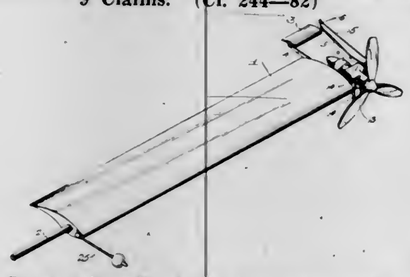
and the other of said elements having spaced inherent parts constituting latching members, one of said members for engaging in one of the keepers and the other engaging in the other of the keepers respectively for automatically latching said carrier element in folded and extended positions.

2,082,673
UNLOADER AND SPREADER
Rufus H. Williamson, Millerville, Ala.
Application July 29, 1936, Serial No. 93,274
9 Claims. (Cl. 214—83)



1. In combination with a vehicle chassis having wheels with pneumatic tires thereon, an unloader and spreader attachment comprising a body mounted on said chassis having a movable floor made up of a plurality of conveyor elements, means connecting said elements in series to provide an endless conveyor, a rotatable friction wheel operatively connected to the conveyor for driving the latter, a shaft for said wheel, a slidable bearing for said shaft, and means for shifting the bearing to move the friction wheel into and out of driving engagement with one of said tires.

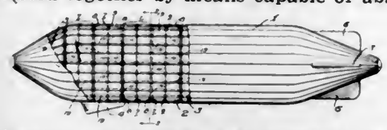
2,082,674
FLOATING WING ASSEMBLY
Arthur M. Young, Radnor, Pa.
Application September 12, 1933, Serial No. 689,116
9 Claims. (Cl. 244—82)



1. In an aircraft of the helicopter type, the combination with a supporting member movable in a normally horizontal plane about an upright axis, of a main airfoil journaled longitudinally on said member, a secondary airfoil also journaled on said member for movement independently of the main airfoil and for controlling the said movement of the latter, and reduction gearing operatively connecting the secondary to the main airfoil.

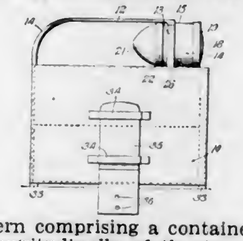
2,082,675
AIRSHIP
Alfred W. Allen, Philadelphia, Pa.
Application April 21, 1936, Serial No. 75,622
7 Claims. (Cl. 244—125)

1. A skeleton framework for airships including a plurality of substantially equally spaced circumferentially arranged articulated composite beams extending along the surface of said framework from end to end thereof and composed of a succession of aligned rigid members flexibly connected together by means capable of absorb-



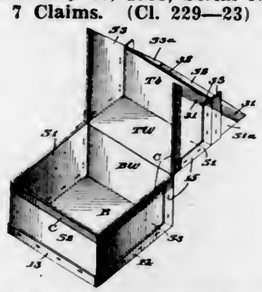
ing tension, compression and torsional stresses whereby stresses and strains received by the framework are transmitted and distributed longitudinally thereof by said members and absorbed and spent in said connecting means.

2,082,676
EMERGENCY LANTERN
Christian S. Beiler, Gordonville, Pa.
Application July 22, 1936, Serial No. 92,009
2 Claims. (Cl. 240—10.63)



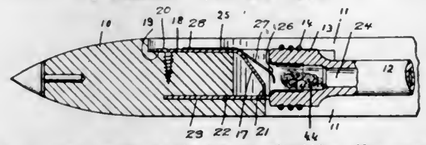
1. A lantern comprising a container, a handle extending longitudinally of the top of the container and provided with forked front and rear ends, the lower ends of the forked terminals of the handle being secured to the top of the container, a lamp housing on the container, the front fork of the handle clamping the lamp housing to the container, a clear lens at the front side of the lamp housing, a warning lens at the rear side of the housing, an electric bulb in the housing between the lenses, there being an opening in the rear of the housing permitting the rays from the bulb to be visible through the rear fork of the handle, a dry cell in the container, circuit wires connecting bulb with the dry cell, and a switch controlling the circuit wires.

2,082,677
SHIPPING CONTAINER
Samuel P. Belsinger, Atlanta, Ga., assignor to Belsinger, Inc., Atlanta, Ga., a corporation of Georgia
Application May 27, 1935, Serial No. 23,763
7 Claims. (Cl. 229—23)



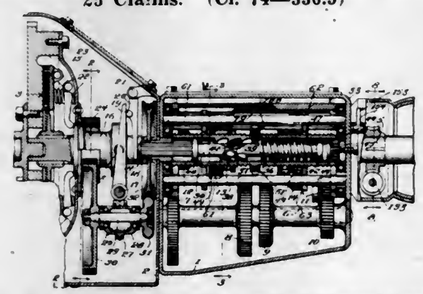
1. A container comprising upper and lower portions having identical size and shape at the open ends; each portion including a first structure providing a first smooth unobstructed wall portion, a wall portion formed integral with said first wall portion, and flanges integral with said wall portions; each portion also including a second structure providing three walls with said flanges overlapping said three walls, and means fixedly connecting said flanges to the walls overlapped thereby; said portions presenting their free edges in abutting relation, and means engaging and secured to both said portions adjacent said abutting edges for holding the portions against relative shifting and separation.

2,082,678
AUTOMATIC-LOOM SHUTTLE
Claude E. Brierley, Utica, N. Y.
Application April 30, 1936, Serial No. 77,216
9 Claims. (Cl. 139—207)



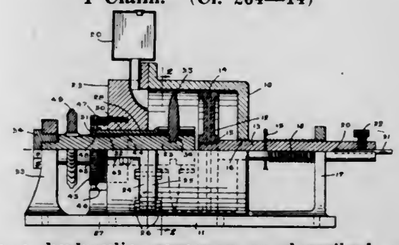
2. In an automatic-loom shuttle, the combination of a shuttle having a bobbin-receiving aperture extending from top to bottom of the shuttle, means on the shuttle adjacent one end of said aperture for laterally engaging and detachably holding the butt end of a bobbin having an open-ended bore in its butt end and adapted to receive the spindle of the spinning frame, and a separate movably mounted and lightly spring-tensioned guard projecting from the shuttle into the same end of the aperture in a downwardly slanting direction and having its lower end normally yieldingly positioned adjacent the open end of the bore of said bobbin and preventing the escape of waste from the bore, said lower end of the guard being adapted to readily yield and retreat from the downward path of the bobbin upon engagement with the slanting portion of said guard by the butt end of a bobbin which is entering or leaving the shuttle.

2,082,679
COMBINED HAND AND AUTOMATICALLY CONTROLLED TRANSMISSION
George L. Brown, Clearwater, Fla.
Application August 28, 1935, Serial No. 38,292
25 Claims. (Cl. 74—336.5)



1. In combination with a variable speed transmission having speed change gearing and a control means having a step by step movement into several positions for selectively operating said speed change gearing, a housing secured to said transmission, a control hub journaled in said housing, an actuating means connected to said hub, a retaining member secured to said housing and having a series of notches, one for each position of the control means, a latch element journaled on the hub, means connecting the control means to the latch element for imparting movement to said control means from said latch element, a second latch element slidably secured to the first latch element, a lug on the second latch element to move into and out of the notches, said first latch element having an opening to receive the lug to establish a drive connection between said latch elements, and means for imparting sliding and swinging movement to the second latch element by the rotation of the control hub.

2,082,680
HYDRAULIC GOVERNOR
Clarence John Bullick, Camlachie, Ontario, Canada
Application September 12, 1935, Serial No. 40,324
In Canada May 14, 1935
1 Claim. (Cl. 264—14)

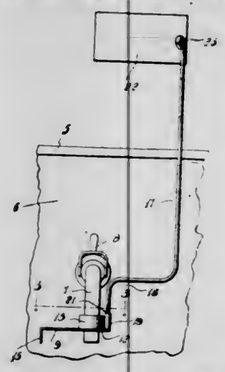


In a hydraulic governor as described comprising a cylinder and a cylinder head secured thereon, a piston mounted to reciprocate in said cylinder having fluid tight connection with the side walls thereof, a piston rod extending from said piston through the end of the cylinder, a guide bracket supporting the outer end of said piston rod, a valve connecting rod attached to the end of said piston rod, a transverse pin mounted through said piston rod between said cylinder and bracket, an expansion spring mounted on said piston rod between said bracket and pin, normally urging said piston towards the cylinder head, a fluid disposed in said cylinder between its head and said piston, a sleeve extending axially through the cylinder head, a driven shaft extending through said sleeve, said sleeve being keyed on said shaft and movable longitudinally thereof, a plurality of propeller blades pivotally mounted in sockets in the inner end of said shaft and extending radially therefrom, pinion gears formed on the shanks of said blades and enclosed in slots formed in the inner end of said sleeve, rack bars formed along one side of said slots in mesh with said gears for rotating said blades when said sleeve is moved, an adjustable sleeve surrounding the outer end of said first mentioned sleeve and threaded in the cylinder head, radial pins extending inwardly from said adjustable sleeve having engagement with a circumferential groove in the outer surface of said first mentioned sleeve whereby the latter sleeve is moved longitudinally of the driven shaft upon turning of the adjustment sleeve, thus rotating the propeller blades to adjust the pitch thereof, thereby controlling the pressure exerted on the fluid by the propeller and likewise the pressure of fluid against said piston.

2,082,681
BEER FOAM REMOVER AND ADVERTISING DEVICE
Robert J. Campbell, Sacramento, Calif.
Application November 25, 1936, Serial No. 112,783
5 Claims. (Cl. 225—6)

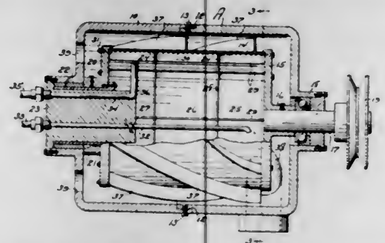
5. In a beer foam remover, the combination with a spigot, of a plate having an opening in

one end, a sleeve surrounding the opening and rising from the plate for mounting on the spigot, a scraper blade depending from the other end of the plate, a gasket interposed between the sleeve and spigot and the sleeve being spaced from the edge of the opening to provide a support for the lower end of the gasket, a vertically extending



rod supported on the plate and being of a length and dimensioned for vibratory movements when the scraper blade is used and an advertising card at the upper end of the rod, the support for the rod including a tubular socket rising from the plate, the lower end of the rod in the socket being tapered and a wedge key in the socket engaged with the tapered end of the rod.

2,082,682
DEVICE FOR FILTERING AND COOLING OIL
Alexander F. Cardenas, Chicago, Ill.
Application July 22, 1935, Serial No. 32,620
1 Claim. (Cl. 233—28)



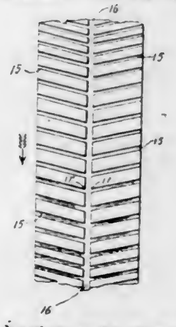
An apparatus of the kind described comprising a housing having an air inlet at one end and an air exhaust at the other end, bearings formed with said housing at its longitudinal center, a power shaft journaled in one bearing, a stud fixed in the other bearing, a rotatable sleeve on said stud and extended within the bearing having the latter fitted therein, a drum within the housing and having end heads provided with hubs about the sleeve and power shaft, respectively, means fixing the hubs in place, baffles interiorly of the drum and arranged longitudinally and annularly thereof, the longitudinally arranged baffles being disposed at an angle to the axis of rotation of the drum, spirally arranged blades externally on the drum and constituting suction vanes, an oil feed nozzle fitting said stud and extending longitudinally into the drum and having a delivery downwardly of said drum, and a discharge nozzle fitting said stud and elbowed upwardly within the drum and having lateral communication therewith.

2,082,683
STEEL FOR MUSICAL INSTRUMENTS
Henry C. Carter, Dearborn, Mich.
Application June 7, 1935, Serial No. 25,371
18 Claims. (Cl. 84—319)



1. In a steel for musical instruments, the combination of a bar provided with a bore together with an extension portion, a washer mounted in said bore and provided with a plurality of openings, a collar swivelly mounted in said bore and provided with a boss portion together with an opening having a curved surface, a screw connected with said washer and having a head engaging the curved surface of said collar, a resilient member mounted in said bore of said bar and having one of its ends engaging one of said openings of said washer, said resilient member having an end extending within said boss portion of said collar, said resilient member being adapted to swivelly move said boss portion of said collar toward a surface of said extension portion of said bar, a pin member mounted in said boss portion of said collar and engaging said end of said resilient member extending within said boss portion of said collar, a holder member pivotally supported on said pin member, a housing slidably mounted on said holder member, a second resilient member supported by said holder member and actuating said housing in its slidable movement, a retainer member pivotally supported on said housing, and a finger holder retained on said housing and secured by said retainer member.

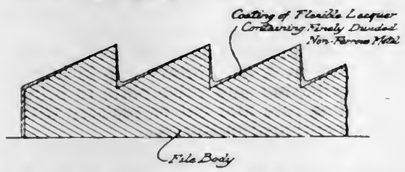
2,082,684
PULLEY
Andrew Chachula, West Allis, Wis.
Application December 9, 1935, Serial No. 53,686
2 Claims. (Cl. 74—230.6)



1. A pulley having sets of spaced transverse ribs formed on its peripheral face and a groove extending circumferentially of the center thereof, the spacing between said ribs forming laterally extending grooves opening at their inner ends into said circumferential groove and of a

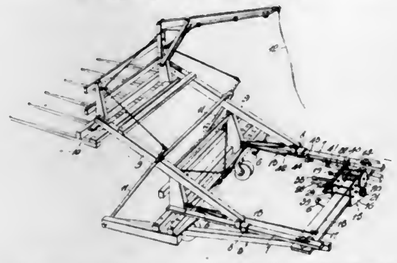
lesser width than the latter, said ribs having their top faces sloping from said circumferential groove to provide high edges at their inner ends for cooperation with a wrapping connector to prevent sidewise slippage of the latter relative to the pulley.

2,082,685
FILE AND LIKE TOOL
Richard C. Charlton, Philadelphia, Pa., assignor to Henry Disston & Sons, Incorporated, Tacony, Pa., a corporation of Pennsylvania
Application July 16, 1935, Serial No. 31,726
3 Claims. (Cl. 29—78)



1. A file or like tool having a superficial coating of finely divided non-ferrous metal, the metal particles adhering to the surfaces of the tool through the medium of a flexible lacquer.

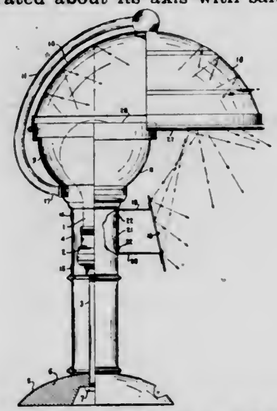
2,082,686
LOAD LIFTER-ACTUATING MEANS
Christian Christiansen, Fargo, N. Dak.
Application May 13, 1936, Serial No. 79,574
6 Claims. (Cl. 214—113)



1. In an actuating means for a load lifter having a base and load-lifting means mounted on said base; raising means for said load-lifting means, said raising means including a clutch for stopping the load-lifting operation, and automatic throw-out means for said clutch having an actuator positioned to be actuated by a movable part of said load-lifting means when said load-lifting means has been raised to a predetermined extent, thereby automatically stopping the load-lifting operation.

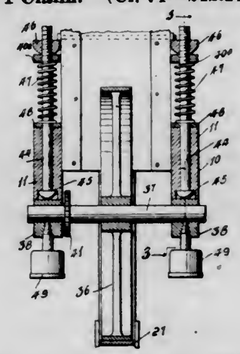
2,082,687
LIGHTING UNIT
Abner Fleetwood Henry Davis, Los Angeles, Calif., assignor to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application December 10, 1936, Serial No. 115,116
6 Claims. (Cl. 240—81)

1. A stand lamp comprising a pedestal, a light source at the top thereof, a reflector surrounding said light source to direct the light rays upwardly, an upper concave reflector separate from and of larger diameter than the first said reflector supported above the light source and smaller reflector so as to receive the upwardly directed light rays and project them fan-shaped at one side of the pedestal, said upper reflector being constructed substantially as a surface of revolution generated about its axis with said axis po-



sitioned substantially parallel to the axis of the smaller reflector and to one side thereof.

2,082,688
ONION SET PLANTER
Corneil Dekker, Oakglen, Ill.
Application August 26, 1936, Serial No. 98,037
1 Claim. (Cl. 74—242.14)

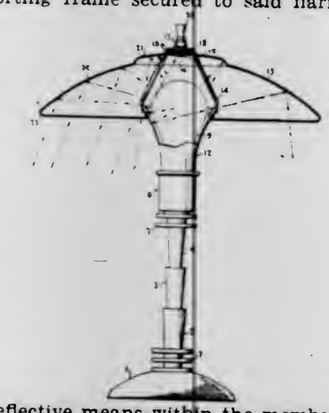


A machine of the class described having an endless planting belt, pulleys over which the belt passes arranging it in an up run and a down run, means to drive one of said pulleys, a shaft for the last mentioned pulley, bearing means for said shaft, a frame, means on the frame operable to vary the position of said bearing means to thereby tension the belt, comprising elements connected to the bearing means and slidably mounted in said frame, a bar connecting the elements above the frame, a bolt anchored to the frame and passing through the bar, an expansive spring between the frame and the bar, a nut on the bolt operable against the bar to depress said elements, said elements comprising bolts passing through the bar, sleeves surrounding the last mentioned bolts, and wear plates on the frame through which the bolts and sleeves pass.

2,082,689
PORTABLE LAMP
Bert A. Dickerson, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application March 13, 1937, Serial No. 130,624
4 Claims. (Cl. 240—81)

1. A stand lamp comprising a pedestal, a cup shaped member at the top of the pedestal, an

upwardly flaring opaque member having its lower portion adjustably and frictionally engaged by the cup member, a lamp socket in said cup member, an electric lamp in said socket, the upper edge of the member being substantially in alignment with the filament of the lamp, a reflector supporting frame secured to said flaring mem-



ber, reflective means within the member, a concave downwardly facing unitary reflector supported by said frame and having its lower edge extending substantially below the filament of the lamp, and means for securing said concave reflector to the top portion of the frame, axially of the stand lamp.

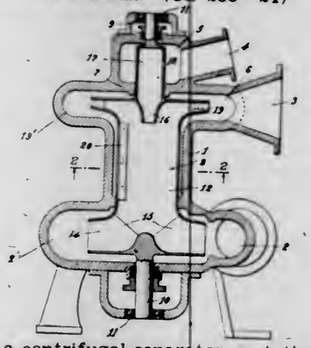
2,082,690

CENTRIFUGAL SEPARATOR

Oscar H. Dorer, East Orange, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a corporation of Virginia

Application February 3, 1934, Serial No. 709,574

2 Claims. (Cl. 233—24)



1. In a centrifugal separator, a stationary casing having a pair of spaced chambers thereon and a cylindrical portion connecting said chambers, said casing having an outlet for clean or light liquid, and an outlet for impure or heavy liquid, said latter outlet opening into one of said chambers, a rotor in said casing including a hollow cylindrical body mounted within said cylindrical portion and in sealed relation therewith, a propeller wheel at one end of said body and positioned in one of said chambers, an impeller at the other end of said body and positioned in the other chamber, and a substantially cylindrical outlet for light liquid axially disposed opening into said rotor at one end and having an outlet communicating with said casing outlet for light liquid.

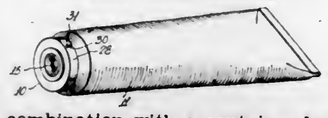
2,082,691

CLOSURE DEVICE

Joseph Farrelly, Pelham, N. Y.

Application June 26, 1935, Serial No. 28,447

3 Claims. (Cl. 221—60)



1. In combination with a container having an end wall provided with an outlet opening, a closure device for said opening including a rotary cap having a central opening in axial alignment with said outlet opening, a valve plate between said cap and said wall member and having a valve opening, and means responsive to the continuous rotation of said rotary cap in one direction for oscillating said valve plate to bring said valve opening into and out of registry with said two first mentioned openings.

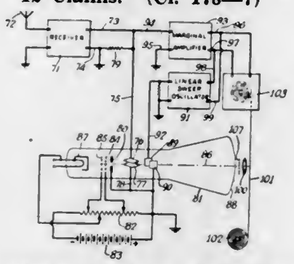
2,082,692

HIGH SPEED TELEPICTURE SYSTEM

William G. H. Finch, New York, N. Y.

Application March 9, 1936, Serial No. 67,938

12 Claims. (Cl. 178—7)



1. In a telepicture system, a transmitter comprising an electronic scanner including means for generating an electron beam, and means for oscillating said beam in one direction at a predetermined rate transversely of a picture film to be transmitted with one oscillation for each line of scanning; a photoelectric cell in operative relation with said scanner and said picture for generating telepicture signals of individual lines of scanning in accordance with the shading of said picture as said scanner scans the picture; a source of carrier current; means for modulating said carrier current in accordance with said telepicture signals; and a receiver comprising a corresponding electronic scanner including means for generating an electron beam, means for oscillating said receiver beam in one direction at said predetermined rate with one oscillation corresponding to each of said lines of scanning, and means for simultaneously moving said receiver beam transverse to said oscillating direction in accordance with the received picture modulated carrier current whereby the width along any section of the image is proportional to the degree of picture signal modulation.

2,082,693

ENDLESS-TREAD MACHINE-SUPPORTING MEANS

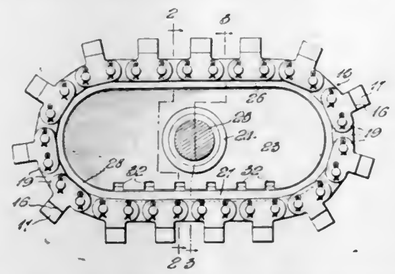
Benjamin H. Flynn, Alexandria, La.

Application March 24, 1936, Serial No. 70,657

6 Claims. (Cl. 305—4)

6. In a mobile machine supporting means, a track frame having two continuous peripheral

track portions and a continuous peripheral channel between said track portions, one end of said track frame being formed with a notch opening into said channel, a driving sprocket whose toothed peripheral portion passes through



said notch into said channel, and a continuous tread chain having rollers engaging said track portions and other rollers engaging the teeth of said sprocket, said chain having longitudinal links which straddle said track portions.

2,082,694

SILT COLLECTOR FOR RESERVOIRS

Lyndon L. Foley, Tulsa, Okla.

Application January 9, 1936, Serial No. 58,384

1 Claim. (Cl. 61—2)



Means for preventing the entrance of silt into a reservoir comprising a main reservoir having an inclined bed, a main dam at the lower end thereof, an auxiliary smaller dam at the upper end, an auxiliary reservoir at the upper side of the auxiliary dam for the collection of silt from water flowing over the auxiliary dam into the main reservoir, a conduit on the inclined bed of the main reservoir having the lower end extending through the base of the main dam and the upper end extending through the base of the auxiliary dam and communicating with the auxiliary reservoir, the forward lower end of the conduit being unobstructedly open and a gate valve associated with the upper end of the conduit rearwardly of the auxiliary dam whereby the conduit is free of water and silt until the gate valve is open with the rush of water through the conduit from the auxiliary reservoir effectively carrying all silt therewith through the conduit in a down-stream direction beyond the main dam.

2,082,695

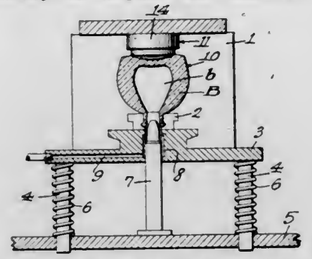
METHOD OF PRODUCING GLASS CONTAINERS

Charles B. Garwood, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.

Application May 4, 1935, Serial No. 19,881

2 Claims. (Cl. 49—80)

1. The method of producing glass containers which includes the steps of pressing a charge of glass in a mold to produce a partially finished article completely filling the mold and having a recess and completed exterior surfaces, and finally blowing the article in the same mold without stretching the mold engaging surfaces of the glass, thereby to displace the interior portion



thereof into the recess to obliterate the recess and produce a cavity.

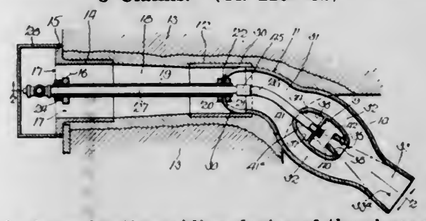
2,082,696

COMBUSTION AIDING MEANS

William R. Hulbert, Daniel R. Schock, and Frank E. Thompson, Chicago, Ill., assignors, by direct and mesne assignments, to Olga Craven Hulbert, Chicago, Ill.

Application May 29, 1933, Serial No. 673,465

8 Claims. (Cl. 110—52)



1. A combustion-aiding device of the character described comprising a hollow body adapted to extend into a fire-box and being open at one end portion to receive air and open at the other end portion to discharge into the fire-box, said body being enlarged intermediate its ends and having walls at said enlarged portion dividing the hollow interior of the body into branches thereat, said walls also defining a transversely-arranged intermediate passageway for fire-box gases, said intermediate passageway opening into the discharge end portion of the device, with means providing a jet of steam directed to entrain fire-box gases in said intermediate passageway and commingle them with such steam and air in the discharge end portion of the device.

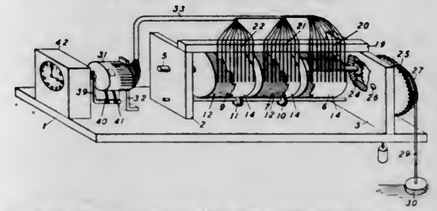
2,082,697

KEYING DEVICE

Irvin M. Ingerson, Sacramento, Calif.

Application May 23, 1933, Serial No. 672,445

10 Claims. (Cl. 177—380)



1. A keying device for transmitting mensural data comprising a shaft rotatable in response to variations in the quantity to be measured, a contact piece mounted on said shaft and comprising a conducting portion and an insulating portion

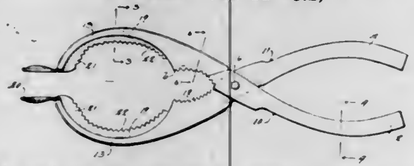
positioned in a circumferentially stepped formation, each step of said conducting portion being displaced with respect to the preceding step by an aliquot part of the circle, a plurality of brushes positioned to engage said contact piece, one of said brushes being provided for each step so as to engage said conducting portion successively, a fixed commutator provided with a plurality of contact segments respectively connected to said brushes, a clock mechanism, and a movable brush driven by said clock mechanism and successively engaging said segments.

2,082,698
FURNACE LINING
Joseph Karmanocky, Carteret, N. J.
Application October 1, 1935, Serial No. 43,049
2 Claims. (Cl. 263—43)



1. A block of the character described, comprising an elongated body portion, spaced small and large projections extending transversely of the longitudinal side faces of the body portion defining alternate recesses in the side faces with small projections and small recesses at the ends and with at least two transverse projections and two transverse recesses being spaced inwardly of the ends of the block and in the same transverse zone and of greater width than the remaining projections and recesses, with each of the two wider recesses adapted to receive two complete projections at adjacent ends of two associated interlocked blocks.

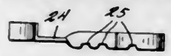
2,082,699
ARTICLE GRIPPING TOOL
Urban A. Keppinger, Portland, Oreg.
Application March 12, 1935, Serial No. 10,732
1 Claim. (Cl. 81—3.1)



A tool of the character described, comprising opposed duplicate sections intersecting each other and disposed in the same plane, each section being formed to provide a handle portion and an outwardly bowed jaw portion, the jaw portions being U-shaped in cross-section to provide a pair of inwardly projecting side walls, and inserts of resiliently yieldable material disposed between the side walls of each of the jaws, the inserts extending inward beyond the edges of both side walls and each insert being thicker at its ends than at its middle.

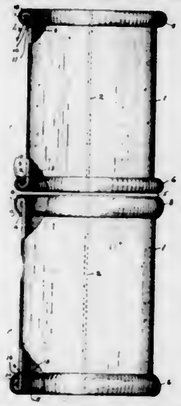
2,082,700
AUTOMOBILE VENTILATOR AND WINDSHIELD HEATER
Nels E. Knutzen and Nels E. Knutzen, Jr., Green Bay, Wis.
Application October 13, 1936, Serial No. 105,424
5 Claims. (Cl. 20—40.5)

1. In an automobile, an air conducting casing extending from the engine compartment to the body and opening into the engine compartment and body, manually operable means for controlling the passage of air from the engine compartment into said casing, the casing including a substantially tubular air duct section supported for movement relative to the casing into an upwardly and rearwardly inclined position with the top of the forward end of the air-duct section coincident with the top of the casing to thereby discharge warm air upward against the exterior face of the



windshield of the vehicle or for movement into a downwardly and rearwardly inclined position with its forward end above the casing to thereby discharge fresh unheated air into the vehicle or into a position with its top coincident with the top of the body of the casing to thus discharge warm air from the engine compartment into the body of the vehicle the manually operable means being operable independently of the air duct section.

2,082,701
VISIBLE CONTAINER
Emil F. Kueffner, Baltimore, Md.
Application May 8, 1935, Serial No. 20,463
2 Claims. (Cl. 229—3.5)

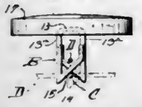


1. A container comprising a cylindrical body composed of transparent unmolded semi-flexible material with the top and bottom open-ended, caps of metallic material for said top and bottom and secured thereto by crimping the peripheral portion of the caps into a double-roll with the face plane of the caps depressed inwardly into the body below the top and bottom lines thereof and to form a double-sided clamp thereon and a cement for softening said material and for lubricating the crimping and sealing of the same disposed on the surfaces of the caps and body portions contacting closely together.

2,082,702
TUFTING BUTTON
Rudolph C. Lang, New York, N. Y., assignor to K. P. Williams Company, Inc., New York, N. Y., a corporation of New York
Application September 10, 1935, Serial No. 39,968
3 Claims. (Cl. 24—102)

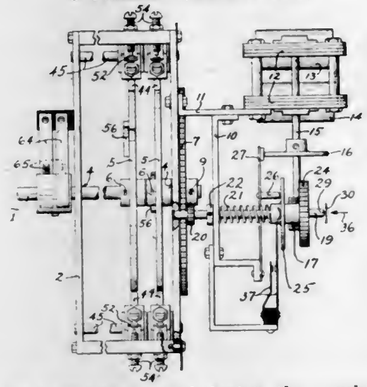
1. A button having a head and a shank formed of a single length of wire, the shank being formed to provide two parallel closely adjacent portions extending at right angles to the plane of the head, each of said portions extending outward from the

head, then being angularly bent transversely and toward the head and then extending directly toward the head, the angular portion of one hook crossing the angular portion of the other hook



and the hooks being disposed in opposite directions to thereby provide a re-entrant recess at the crossing of said angular portions whereby to permit the easy insertion of the attaching cord.

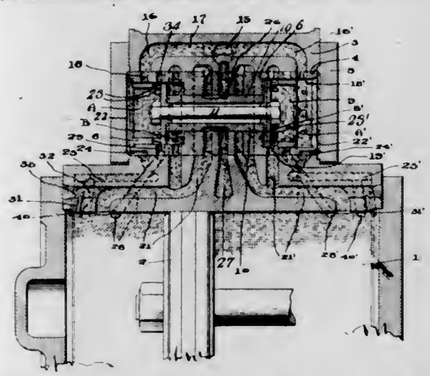
2,082,703
REMOTE CONTROL
Samuel Herbert Lanyon, Oakland, Calif.
Application January 14, 1935, Serial No. 1,747
3 Claims. (Cl. 172—239)



2. In a remote control device, the combination with a controlled shaft, a motor for driving said shaft, and a cam operated switching system for causing said motor to rotate in a direction adapted to drive said shaft through the shortest arc to a position predetermined by the setting of said cam, of a gear connection between said motor and shaft including a gear slidable to disconnect said motor and shaft, electro-magnetic means in series with said motor and switching system for sliding said gear into mesh to drive said shaft when said motor is in operation, resilient means for sliding said gear out of mesh, and means operative upon the disengagement of said gear for braking said motor.

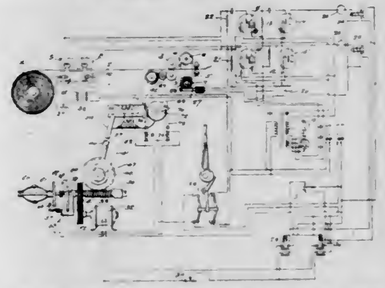
2,082,704
STEAM VALVE GEAR
John A. Le Cain, East Orange, N. J.
Application February 14, 1933, Serial No. 656,688
13 Claims. (Cl. 121—150)

1. In a steam valve gear, the combination with a steam cylinder having heads, and a piston movable therein, of a steam chest provided with ports and passages for controlling the admission of steam to and its exhaust from said cylinder, said chest provided with a longitudinal bore, a distributing sleeve in said bore and provided with openings communicating with said ports, a piston valve mounted for reciprocatory movement in said sleeve for controlling steam flow through said ports, said sleeve provided with cutaway portions forming spaces at its lower sides having steam-receiving communication with the ends of the sleeve, said steam chest provided with ports communicating with said spaces and having small auxiliary outlets into the steam cylinder at the extreme ends of the cylinder whereby live steam from the steam chest will be delivered to



the steam cylinder between the head of the cylinder and the steam piston when the steam piston reaches the limit of its stroke.

2,082,705
LOCALIZER FOR WEB CUTTING MACHINES
James J. Logan, Strafford, Pa., assignor to Benjamin C. Betner Company, Devon, Pa., a corporation of Pennsylvania
Application November 3, 1931, Serial No. 572,848
17 Claims. (Cl. 271—2.6)

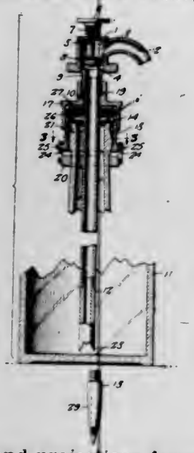


1. In a web-feeding machine having draw rolls, apparatus for correcting the position of the web, comprising a drive for said rolls, a variable-speed power-transmitting device interposed in said drive, means for controlling said device, a second variable-speed power-transmitting device interposed in said drive, means operable by said first device for controlling said second device, and means responsive to incorrect positioning of said web for actuating said first means.

2,082,706
CARBONATED BEVERAGE DISPENSER
Angelo D. Maggiora, Sacramento, Calif.
Application May 23, 1936, Serial No. 81,491
1 Claim. (Cl. 225—22)

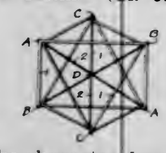
The combination of a bottle having a closure and a dispenser including a valve of the self-seating type, a finger piece for opening said valve, a nozzle formed on the housing for said valve, a tube detachably secured to the housing for said valve, a penetrating element detachably secured to said tube, a bushing detachably secured to the valve housing and having the tube extending therethrough, an adjusting sleeve threaded to said bushing, packing between the bushing and

the closure of the bottle, a clamp detachably mounted on the neck of the bottle, yokes pivoted



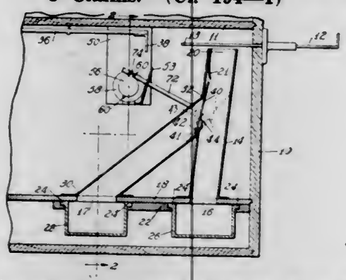
to said clamp, and projections formed on the adjusting sleeve to be engaged by the yokes.

2,082,707
JETTY
Lloyd L. Mahon, Wichita Falls, Tex.
Application July 5, 1934, Serial No. 733,752
1 Claim. (Cl. 61—3)



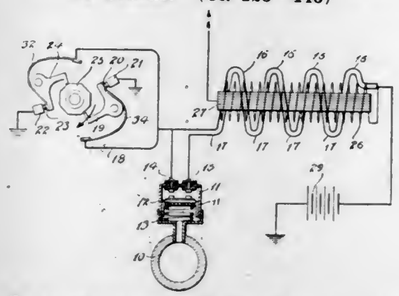
A jetty of the character described comprising a plurality of rectangular metallic frames interengaging with each other so that their diametrically opposite corners engage, the frames lying at different inclination with respect to each other with the extremities of the several frames lying within a common sphere, tie braces passing between the diametrically opposite corners of the frames, the said braces also serving to rigidly secure the corners of the frames together.

2,082,708
CHECK OR COIN SELECTOR
Frank K. Maitland, Chicago, Ill.
Application September 26, 1936, Serial No. 102,690
3 Claims. (Cl. 194—1)



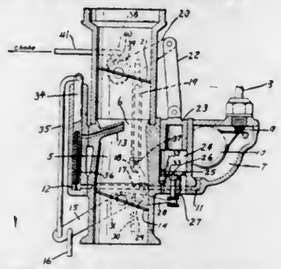
1. Coin selecting means for use with apparatus having a coin deposit device adapted to free a driven mechanism for operation, said means including coin guiding means positioned to receive coins from said deposit device, coin deflecting means movable from a normal position to deflect the direction of movement of coins in said guiding means, together with driving mechanism for periodically moving said deflecting means from said normal position into deflecting position, said driving mechanism comprising a driving arm operatively connected with said deflecting means at one end, and having a notch near an opposite end, a driven wheel having pin means engageable in said notch periodically upon rotation of said driven wheel to move said arm and the deflecting means connected therewith, a ratchet member operatively connected with said driven wheel, an eccentric operable in cycles by a driving connection with the aforesaid driven mechanism, a pawl driven by said eccentric and arranged to drive said ratchet, substantially as described.

2,082,709
IGNITION TIMER AND COIL
Marion Mallory, Detroit, Mich., assignor, by mesne assignments, to The Mallory Research Company, Detroit, Mich., a corporation of Michigan
Application October 30, 1933, Serial No. 695,787
10 Claims. (Cl. 123—148)



1. In an ignition timing device for an internal combustion engine, having a throttle controlled inlet manifold, an ignition circuit including a circuit breaker, an ignition coil having a secondary circuit and a primary circuit, the latter being adapted to be opened and closed by said circuit breaker, inlet vacuum responsive means and means for varying the strength of the current in said primary circuit adapted to be controlled thereby for the purpose described.

2,082,710
CARBURETOR
Marion Mallory, Detroit, Mich.
Application December 5, 1935, Serial No. 53,051
11 Claims. (Cl. 261—49)

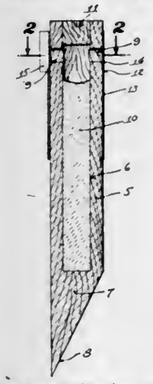


1. In a carburetor, a mixing chamber, a throttle valve on the engine side thereof, an air inlet with an unbalanced valve therein adapted to be opened only by the pressure of the air passing through said inlet, said chamber being formed with a venturi between the two valves, a fuel inlet at the narrowest point in the venturi, means for increasing the capacity of the fuel inlet as the throttle valve is opened, means to limit the possible opening of the air inlet valve in proportion to the opening of the throttle valve, and means to temporarily resist the opening of the air inlet valve when the throttle valve is opened quickly.

2,082,711
PROCESS OF TREATING DISTILLER'S SLOP
James Spencer McHargue, Lexington, Ky.
No Drawing. Application May 9, 1935
Serial No. 20,703
1 Claim. (Cl. 99—5)

In a process of producing a food product from distiller's slop, distilling off the volatile constituents from the slop, then filtering, while hot, the slop, to collect a portion of the solids thereof and to form a thin slop, then making the thin slop faintly alkaline, then filtering, in the presence of hydrated lime, the alkalined thin slop to collect from the latter the food constituents carried thereby, then thoroughly combining the collected food constituents and the collected solids to form the food product in a moist state, and then drying the moist food product to complete the latter.

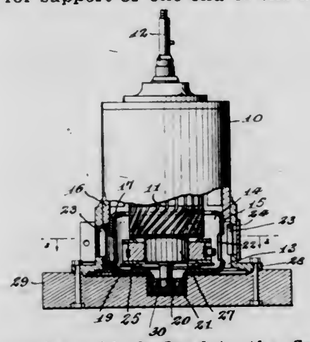
2,082,712
INSECT EXTERMINATOR
Donald G. McIvor, Berkeley, Calif.
Application June 19, 1936, Serial No. 86,099
5 Claims. (Cl. 43—131)



1. An insect exterminator comprising a body of solid material having a cavity formed by boring into it from one end, a supply of poison material within said cavity, a plug permanently closing the open end of said cavity, and said body having a restricted aperture leading into said cavity.

2,082,713
ELECTRICAL MOTOR DRIVE FOR CENTRIFUGAL OIL TESTING MACHINES
William L. Melton, Overton, Tex., assignor of one-half to D. E. France Russell, Overton, Tex.
Application October 21, 1936, Serial No. 106,877
3 Claims. (Cl. 171—252)

1. A drive for centrifuge oil testing machines comprising an electric motor having an armature mounted for rotation in a vertical plane, said motor having a casing open at one end and including a circumferential flange, a cylindrical shell member fixed in the open end of the casing of the motor, the shell having a cup member projecting below the flange, a bearing in the cup member for support of one end of the armature,



and an insulator block fixed to the flange and closing the open end of the casing, the block having a depressed portion for accommodation of the cup member.

2,082,714
BAG-LIKE RECEPTACLE FOR TOBACCO PRODUCTS
Biagio Midulla, New York, N. Y.
Application August 6, 1936, Serial No. 94,676
3 Claims. (Cl. 131—11)



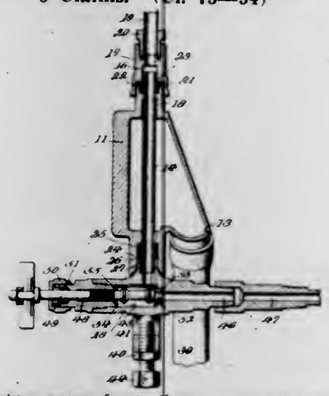
1. A wrapper for a cigar having one end closed and its other end open to form a mouth through which the cigar is introduced longitudinally, the entrance portion of the wrapper being provided with a reinforced rounded, non-cutting portion.

2,082,715
PROCESS OF MAKING THIN-WALLED HOLLOW BODIES FROM PLASTICS
Albert Nadai, Zurich, Switzerland
No Drawing. Application September 23, 1935, Serial No. 41,779. In Switzerland September 26, 1934
4 Claims. (Cl. 18—56)

1. A process of making thin walled hollow bodies, having an opening therein, from cellulose esters or other plastics which consists in preforming the hollow body, inserting the same in a mould, heating the mould and softening the hollow body simultaneously by immersion in a heated liquid of high boiling point oils containing plasticizers of high boiling point for the cellulose

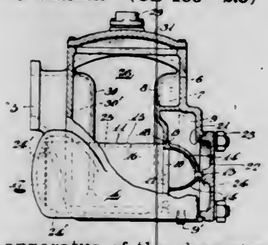
ester or other plastic and expanding the hollow body and shaping it to the mould by blowing with air or other gas under pressure.

2,082,716
WATER GAUGE
Arthur La Rue Parker, Cleveland, Ohio
Application December 30, 1935, Serial No. 56,788
6 Claims. (Cl. 73—54)



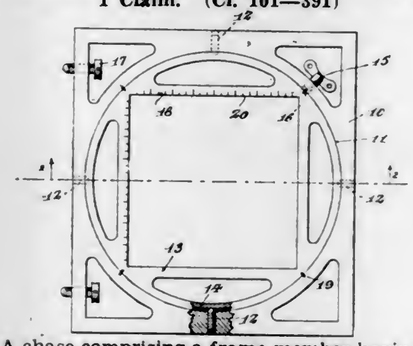
1. A water gauge for boilers comprising a valve housing adapted to be connected to the boiler in a fixed position relative thereto, an enclosed casing adapted to be connected to said housing in a predetermined set position for observation, said casing having a chamber provided with a window, a gauge tube located in said chamber and visible through said window, sealing means disposed between said casing and said housing, hook means on said casing, a yoke extending under said housing and having the arms thereof engaging with said hook means, and means carried by said yoke and engageable with said housing in axial alignment with said gauge tube for causing a relative movement between said housing and said casing for effecting a tight seal therebetween while maintaining said casing in the predetermined set position for observation.

2,082,717
COMBINED STRAINER, AIR ELIMINATOR, AND VACUUM BREAKER
Walter H. Parker, Pittsburgh, Nelson J. Seibert, Wilkinsburg, and Frank S. Brooks, Edgewood, Pa., assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 3, 1934, Serial No. 755,834
3 Claims. (Cl. 183—2.5)



1. In an apparatus of the character described, a casing having inlet and outlet connections, a baffle wall in said casing extending from the bottom part way to the top to form a screening chamber and a settling chamber therein, a second baffle wall forming with the casing wall a passageway from said inlet connection to the screening chamber having a hole therethrough, a cylindrical screen extending through said hole, means to secure said screen in position, the liquid overflowing the first baffle wall into the settling chamber, an air release valve adjacent the top of said settling chamber, a float in said settling chamber, means to transmit motion of said float to said valve, and a baffle forming with the casing wall a passageway leading from the settling chamber to said outlet connection.

2,082,718
REVOLVING CHASE
Hugo A. Pori, Paso Robles, Calif.
Application May 12, 1936, Serial No. 79,366
1 Claim. (Cl. 101—391)



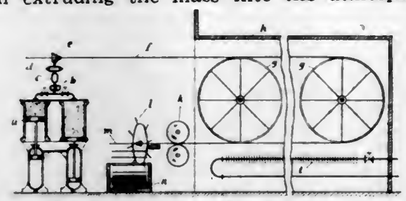
A chase comprising a frame member having an annular wall, an annular chase therein, the outer face of the chase having a circumferential groove, adjustable set screws carried by the frame and projecting into the groove for revolubly supporting the chase, and a lock screw in the frame member and projecting into the groove and adjustable thereinto to lock the chase against rotation.

2,082,719
HARD METAL ALLOY
Alan Richard Powell and Ernest Robert Box, London, England, assignors to Johnson Matthey & Company, Limited
No Drawing. Original application October 4, 1933, Serial No. 692,219. Divided and this application June 1, 1936, Serial No. 82,980. In Great Britain October 11, 1932
6 Claims. (Cl. 75—172)

1. A hard metal alloy of the kind defined consisting of 75 to 94.5% of at least one metal of the group consisting of osmiridium, osmium and ruthenium, 3 to 25% of at least one metal of the group consisting of cobalt and nickel, and 0.1 to 5% boron.

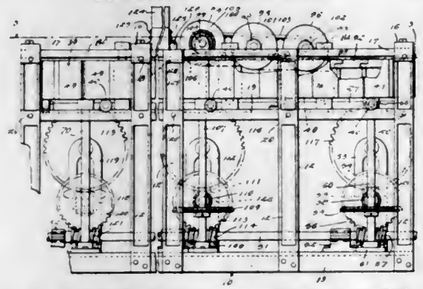
2,082,720
PROCESS AND APPARATUS FOR THE MANUFACTURE OF TUBULAR STRUCTURES OF ARTIFICIAL MATERIALS
Georg Eugen Rutishauser, Basel, Switzerland, assignor to Lonza Elektrizitatswerke und Chemische Fabriken Aktiengesellschaft, Basel, Switzerland, a Swiss company
Application March 1, 1934, Serial No. 713,600
In Germany March 10, 1933
4 Claims. (Cl. 18—14)

1. A process for the production of tubular structures having a high titre of at least 500 deniers which consists in subjecting a mass containing an organic cellulose derivative and at most 70% of a solvent for same to a pressure of at least 100 atmospheres without heating, heating the compressed mass to a temperature of about 50–100° C. while maintaining it under the said pressure, then extruding the mass into the atmosphere



through an annular orifice while introducing gas into the cavity thus formed and slowly drying the tubular object to solidify the same.

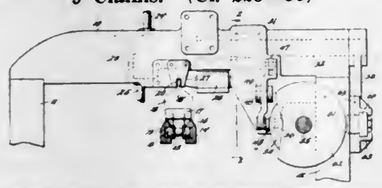
2,082,721
CONCRETE BLOCK MACHINE
Charles Lemuel Sanford, Meadville, Pa.
Application September 10, 1935, Serial No. 39,961
10 Claims. (Cl. 25—41)



6. In a block forming machine, a pallet for receiving plastic material thereon, the pallet having apertures therethrough, and means for holding tie members inserted in said apertures and projected above the upper face of the pallet.

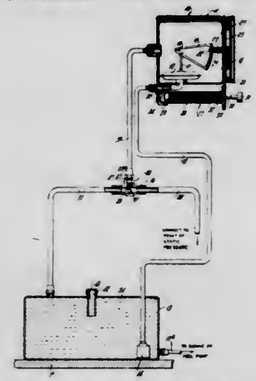
9. In a block forming machine, a pallet, the pallet having apertures therethrough, means below the apertures for holding tie members inserted in said apertures and projected above the upper face of the pallet, and a mold plate disposed upon the pallet and having apertures coinciding with the apertures in the pallet whereby said tie members may be inserted through the mold plate and into said holding means.

2,082,722
SEALING MECHANISM
Henry T. Scott, Toledo, Ohio, assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Application August 24, 1934, Serial No. 741,330
9 Claims. (Cl. 226—56)



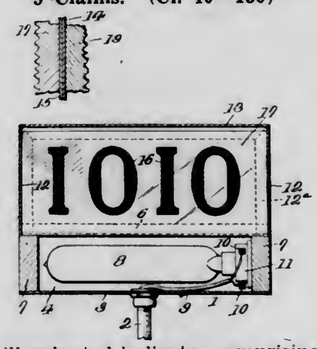
1. Apparatus for sealing containers comprising, relatively movable work engaging jaws, a movable member upon which one of said jaws is supported, a source of power, and separate means operatively connecting the power source and member whereby the member may be given a preliminary relatively rapid closing movement by one such means, and thereafter a final relatively slow closing movement by another means.

2,082,723
LIQUID LEVEL INDICATOR AND VALVE THEREFOR
Clarence Lee Seward, Jr., Washington, D. C., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 14, 1932, Serial No. 647,290
7 Claims. (Cl. 137—139)



1. A valve for use in a hydrostatic fuel level indicating system on an aircraft to connect the gage and tank of the system to a point of like static pressure for venting said tank and gage and to prevent fuel entering from the tank into the gage when the aircraft accelerates and decelerates or departs from level flight and adapted for operation by forces of acceleration acting about two mutually perpendicular horizontal axes, said valve comprising a body portion having a passage therethrough, means in said passage forming a valve seat, a member interposed in said passage, said member having a polygonal cross-section so that the sides thereof form a plurality of passages between said member and the internal surface of the body portion and also having a tapered portion at one end adapted to fit within the valve seat for closing said passages. and means including a universally mounted pendulum carried by the valve for operating said member.

2,082,724
ILLUMINATED INDICATOR FOR HOUSE NUMBERS OR THE LIKE
Frederick L. Shelor, Sandston, Va.
Application February 13, 1936. Serial No. 63,813
5 Claims. (Cl. 40—130)



1. An illuminated indicator comprising a glass panel, a strip having characters on one face thereof, the characters and strip on which they are mounted having different light absorbing

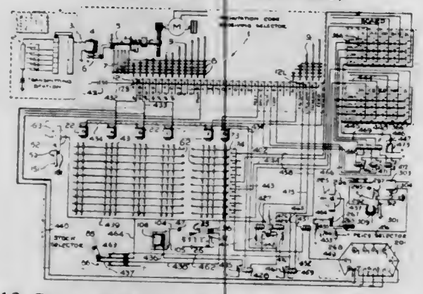
properties, said strip being disposed relative to the glass panel so that the characters are visible through said glass panel, the outer face of said glass panel being frosted, and means for housing and directing illuminating rays through the edge of the glass panel into the glass and against the rear face of said frosted surface of the glass panel whereby said rays are dispersed and reflected on to the strip and characters to be illuminated.

2,082,725

SELECTIVE SYSTEM AND APPARATUS

Richard P. Simmons, New York, N. Y., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application August 14, 1930, Serial No. 475,239
16 Claims. (Cl. 177—353)



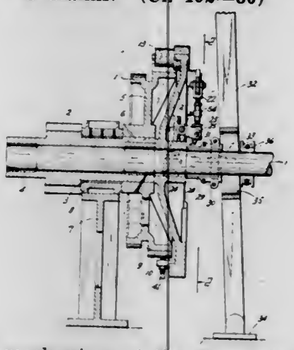
16. In a stock quotation system, a receiving station including a selector mechanism responsive to both selecting and indicating signals, a plurality of indicators each comprising a set of digit dials, means responsive to the selecting signals for conditioning an indicator to be controlled by said indicating signals, a dial operating mechanism common to said plurality of indicators and responsive to each indicating signal for setting the dials of a conditioned indicator, and means automatically responsive to each operation of said dial operating mechanism for associating another dial into operative relation with said mechanism successively.

2,082,726

CLUTCH

George Smith, Baltimore, Md., assignor to Ellicott Machine Corporation, Baltimore, Md., a corporation of Maryland

Application September 28, 1933, Serial No. 691,364
3 Claims. (Cl. 192—80)



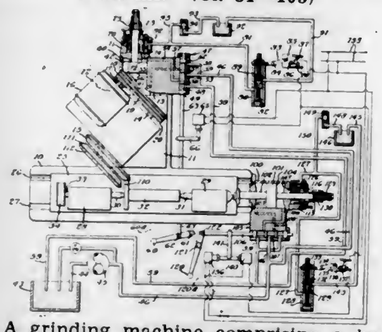
1. In a mechanism of the class described including a driven member and a driving member and a drive shaft for the driving member, means to effect driving engagement between said members including a friction drum and a friction band surrounding said drum, means for contracting the band about the friction drum, comprising a bellcrank lever adjustably connected to said band, means to operate the lever to contract the band about the drum including a toggle linkage having one end anchored to the driving member and the other end connected to the bellcrank lever, a second bellcrank lever supported by the driving member and an adjustable rod for connecting the toggle linkage to the second bellcrank lever at a point spaced from the point of pivot of the toggle elements to each other, said last mentioned bellcrank forming a yoke straddling the drive shaft, a sleeve slidably disposed about the drive shaft and links connecting said sleeve to said yoke and manual means to move the sleeve.

2,082,727

GRINDING MACHINE

Wallace H. Wood and Carl G. Flygare, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application April 29, 1936, Serial No. 76,900
8 Claims. (Cl. 51—105)



1. A grinding machine comprising a base, a rotatable grinding wheel and a rotatable work support which are arranged to be moved longitudinally and transversely relative to each other, said grinding wheel having a pair of angularly disposed operative faces arranged successively to grind a peripheral surface and an adjacent shoulder face on the work piece, precision means automatically to cause a relative transverse movement between the wheel and work support to grind the peripheral face on the work piece to a predetermined size, and a second precision means actuated in timed relation therewith automatically to move the wheel and table longitudinally relative to each other to grind a shoulder face thereon to a predetermined extent.

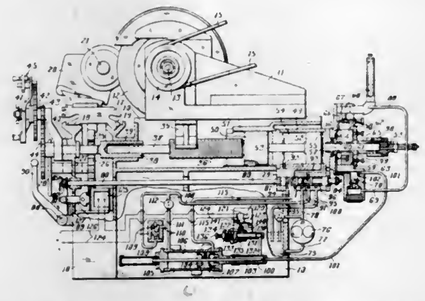
2,082,728

GRINDING MACHINE

Wallace H. Wood, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application June 6, 1936, Serial No. 83,973
15 Claims. (Cl. 51—95)

1. A grinding wheel feeding mechanism for a grinding machine having a rotatable work support and a rotatable grinding wheel which are movable longitudinally and transversely relative to each other, a transversely movable slide to support one of said elements for movement toward and from the other, a fluid pressure piston and cylinder operatively connected to move said slide and cause a rapid relative movement of the wheel and work supports toward and from each other, and a wheel feed regulating mechanism for a grinding machine comprising a fluid pressure displacement cylinder, a displacement rod slidably mounted therein to increase or decrease the fluid capacity of said cylinder, and a power operated means positively to move said displacement rod in either direction.

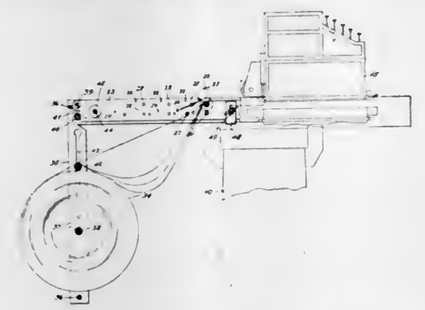


2,082,729

MANIFOLDING DEVICE

William G. Borchers, Hoboken, N. J., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey

Application July 16, 1931, Serial No. 551,076
13 Claims. (Cl. 197—133)



3. A typewriter having a platen over which a plurality of worksheet strips is advanced form-length extents to bring a fresh form to writing position thereon and having aligning pins at the delivery side of the platen for engagement with aligning holes provided at form-length intervals in the worksheet strips, comprising a single set of aligning pins at the introductory or rear side of the platen released from the strips solely by movement of the strips.

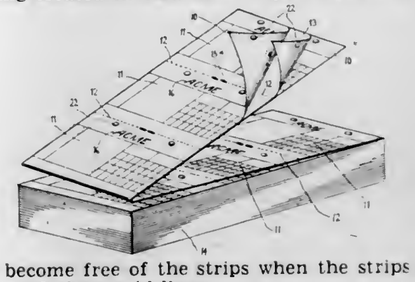
2,082,730

MANIFOLDING DEVICE

Carl W. Brenn, Montclair, N. J., assignor to Autographic Register Co., Hoboken, N. J., a company of New Jersey

Application September 26, 1927, Serial No. 221,912
12 Claims. (Cl. 282—12)

1. A manifolding pack comprising a plurality of superposed worksheet strips each comprising a succession of printed forms separated by lines of perforations; and a wire staple for securing said strips together in registration, said staple being located in said lines of perforations so as to become free of the strips when the strips are severed along said lines.



2,082,731

FOLDED NAPKIN

Frank L. Broeren, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application January 11, 1936, Serial No. 58,686
2 Claims. (Cl. 206—57)



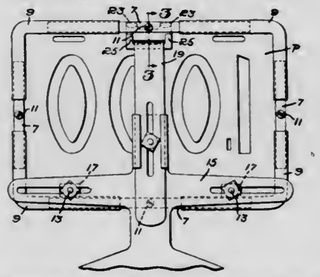
1. A folded napkin to be stored and dispensed from a napkin dispenser, consisting of a rectangular sheet of paper having two transverse fold lines defining three panels, one panel being a terminal panel, the intermediate panel adjacent the terminal panel being of the same width as the terminal panel, the third panel being of a greater width than either of said first two panels, the terminal panel being folded over the intermediate panel, the last two mentioned panels being then folded over again in the same direction as the terminal panel was folded to form an elongate plural ply strip, the ends of said elongate strip being then folded at right angles to the said transverse fold lines to form three panels of equal width, the said ends being in overlapping and face contact relation.

2,082,732

LICENSE PLATE FRAME

Alphonso S. Campbell, Winchester, Mass., assignor to A. S. Campbell Co., Inc., East Boston, Mass., a corporation of Massachusetts

Application October 26, 1935, Serial No. 46,899
7 Claims. (Cl. 40—125)



1. A license plate frame comprising a circuit of freely telescoping, tubular sections split along

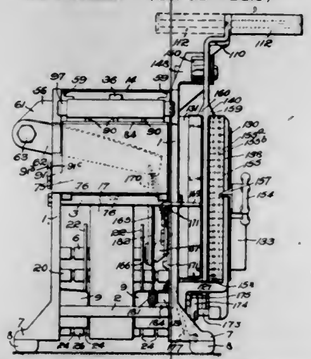
their inner sides to provide for the reception of the margins of the plate therein and comprising angular sections and intervening straight sections and set screws associated with alternate sections only of said circuit at points substantially remote from the ends of the sections to provide a wide range of telescoping movement therebetween, said screws passing solely through the rear walls of the sections to engage the plate margins thereby to secure said sections to the plate and through them the other sections.

2,082,733

GUMMED TAPE DISPENSER

Trevor R. Gautier, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts

Application November 29, 1933, Serial No. 700,235
22 Claims. (Cl. 91—14.5)



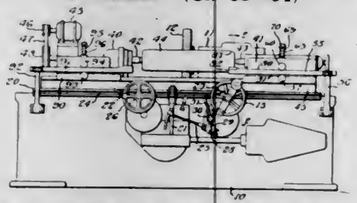
1. In a gummed tape serving machine of the type having spaced side frames providing a tape roll chamber between their rear portions and having tape guiding, feeding, severing and moistening means between said frames, in advance of the roll chamber, a feed lever pivoted on one side frame for swinging movement in a vertical plane adjacent said frame, operating connections between the lever and the tape feeding means, and a laterally projecting hand grip at the outer end of said lever and detachably connected therewith for positioning optionally at one or the other side of the lever so as to be conveniently grasped by an operator or operators at one or the other side of the machine.

2,082,734

FORM GRINDING APPARATUS

Herbert J. Griffing and Carl G. Flygare, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application June 26, 1936, Serial No. 87,506
6 Claims. (Cl. 51—94)



1. In a grinding machine, a base, a rotatable grinding wheel, a transversely movable wheel slide on said base, a longitudinally movable work table, means to feed said slide transversely, means to reciprocate said table longitudinally, a rotatable work support thereon including a headstock and a footstock, a work supporting center on the headstock and footstock to rotatably support the opposite ends of a work piece, a longitudinally extending pivot for said footstock, and means independently to rock said footstock transversely during the longitudinal movement of said table to cause a transverse movement of said footstock center during the grinding operation.

2,082,735

FINGER PRINTING METHOD

William Heinecke, New York, N. Y., assignor, by mesne assignments, to William N. Dykman, New York, N. Y.

No Drawing. Application May 3, 1934, Serial No. 723,706
3 Claims. (Cl. 41—41)

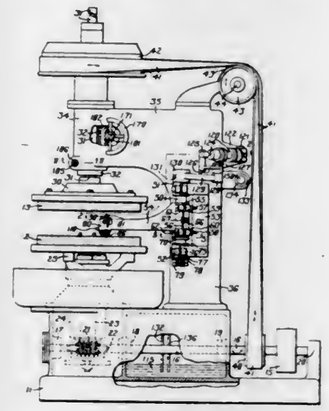
1. The method of producing finger or like prints, comprising contacting the finger, or the like, with a surface of an absorbent material impregnated with a solution of sodium vanadate dissolved in glycerine-diethylene glycol solution, and then contacting the finger, or the like, with a surface carrying a coating containing trihydroxy benzoic acid, tartaric acid and a thickening agent, the resulting print being a black print.

2,082,736

TRUING APPARATUS FOR LAPPING MACHINES

Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application September 28, 1935, Serial No. 42,583
7 Claims. (Cl. 125—11)



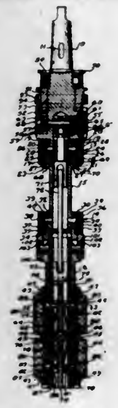
1. An abrasive wheel truing apparatus comprising a rotatable abrasive wheel, a movable truing tool support, a truing tool adjustably mounted thereon, means to feed the truing tool relatively toward and from the operative face of said abrasive wheel, means including a fluid pressure piston and cylinder to move said support to pass the truing tool across the operative face of said wheel, and a control valve for regulating both the direction and speed of movement of the truing tool relative to the operative face of said abrasive wheel.

2,082,737

HONING APPARATUS

Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application February 4, 1936, Serial No. 62,315
4 Claims. (Cl. 51—184.3)



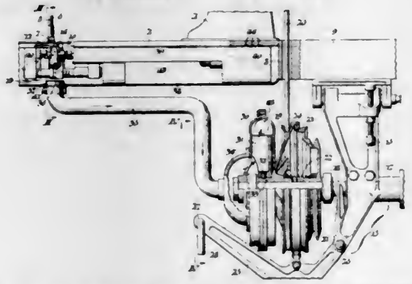
1. In a machine tool hone, a sleeve, a plurality of hones mounted in parallel relation on the sleeve, pins passing through the sleeve and holding the hones apart, a second sleeve through which the sleeve passes, inclined plane means inside of both sleeves in position to operate upon the pins, and means to move one sleeve with respect to the other sleeve to collapse the hones.

2,082,738

SEWING MACHINE

Harold J. Le Vesconte, Western Springs, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application June 29, 1935, Serial No. 29,012
14 Claims. (Cl. 112—218)



1. In a sewing machine, a work supporting plate; a reciprocating needle actuated from above said plate; cooperative stitch-forming instrumentalities; feed means to advance the fabric being seamed; mechanism for actuating said cooperative stitch-forming and feed instrumentalities; an enclosure beneath said work supporting plate housing said mechanism; and suction means for maintaining a flow of air through the enclosure to cool the various parts within it and to keep them free of lint.

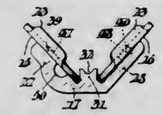
2,082,739

SLIDER FOR INTERLOCKING FASTENERS

Frank MacWilliams, Philadelphia, Pa., assignor to Samuel Seltzer, Philadelphia, Pa.

Application June 14, 1934, Serial No. 730,609
7 Claims. (Cl. 24—205)

1. A slider for interlocking fasteners comprising a pair of opposedly-disposed face components having inwardly-directed guide flanges, and a bifurcate connecting component embodying extremities for sustaining the side components and



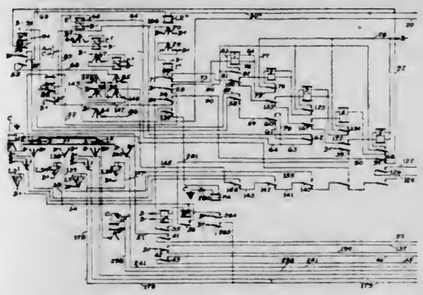
having notches at opposite sides of a spacer projection, within the crotch thereof, in which the transverse confronting edges of the side components are fixedly held by a clinch grip.

2,082,740

CENTRALIZED TRAFFIC CONTROL SYSTEM

Robert M. Phinney, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application April 14, 1930, Serial No. 444,146
31 Claims. (Cl. 246—3)



1. In a remote control system of the synchronous selector type, the combination with two separate series of stepping relays in a central office and a series of stepping relays at each of a plurality of way stations, means whereby one of said two series of stepping relays operates to apply a series of stepping impulses to a stepping line connecting said office and way stations the first of which is positive, means whereby the other of said two series of stepping relays operates to apply a series of stepping impulses to said stepping line the first of which is of negative polarity, means whereby some of said way station series of stepping relays respond only when the first impulse of a series of impulses is positive, means whereby other series of way station relays respond only when the first impulse of a series is of negative polarity, and means for transmitting distinctive signals when certain and corresponding stepping relays assume their energized position.

2,082,741

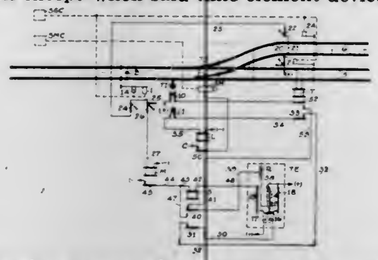
TRAFFIC CONTROL SYSTEM FOR RAILROADS

Robert M. Phinney, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application June 26, 1930, Serial No. 463,940
Renewed October 26, 1932
26 Claims. (Cl. 246—160)

1. In a traffic controlling system for railroads, a power operated track switch, signals governing traffic over said track switch, a time element device temporarily actuated each time when said signals are put to stop, means registering the temporary actuation of said time element device,

and means preventing the operation of said track switch except when said time element device has

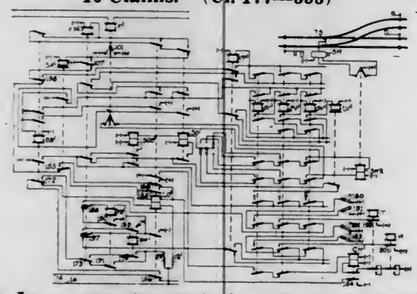


returned to normal after registering a temporary actuation.

2,082,742
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Robert M. Phinney, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application December 27, 1934, Serial No. 759,396
10 Claims. (Cl. 177—353)

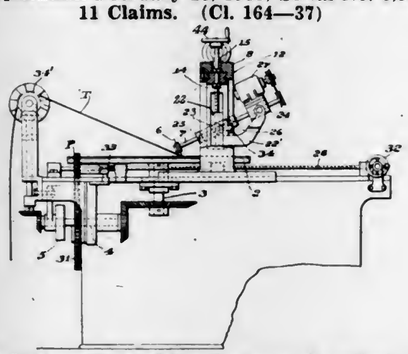


9. In a remote control system; a control office and a plurality of stations; a control line circuit connecting said office with said stations; impulsing means at the office for impressing series of impulses on said control line circuit when initiated into operation; a first indication line circuit connecting said office with a first one of said stations; a second indication line circuit connecting said first station with a second one of said stations; a separate source of energy for each of said indication line circuits; a code transmitter at each of said stations capable of transmitting a code over the respective indication line circuit passing through that station during a series of impulses on said control line circuit providing such code transmitter is rendered effective; repeating means so connecting said first and second indication line circuits that the open or closed condition of said second indication line circuit is repeated into said first indication line circuit during a series of impulses on said control line circuit, except for the first impulse of such series, and during the absence of a series of impulses, but causing the opened or closed condition of said first indication line circuit to be repeated into said second indication line circuit during the first impulse of such series; means at said control office responsive to the closed condition of said first indication line circuit during the absence of a series of impulses to initiate said impulsing means into operation to impress another series of impulses on said control line circuit; lockout means at each station capable of closing its respective indication line circuit between such station and stations nearer said control office but opening such indication line circuit for more remote stations; and means at each station responsive to the closed condition of its respective indication line circuit during the first impulse of a series, only providing its said lockout means is closing its indication line circuit, to render its code transmitting means effective during the remaining impulses of such series.

2,082,743
METHOD OF AND MACHINE FOR PRODUCING RUBBER THREAD

Kenneth R. Shaw, Easthampton, Mass., assignor to Easthampton Rubber Thread Co., Easthampton, Mass., a corporation of Massachusetts

Application February 16, 1935, Serial No. 6,865
11 Claims. (Cl. 164—37)

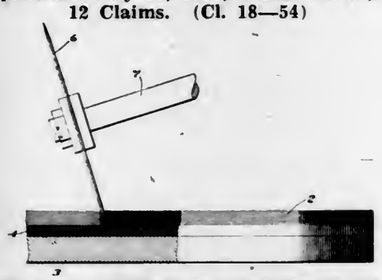


1. In a machine of the character described, the combination of a turn table adapted to support a circular sheet of rubber, mechanism for revolving said table, a disk knife, a shaft supporting said knife in position to cut said sheet on the table, means supporting said shaft with its axis inclined to approximately intersect the axis of the table in the neighborhood of the plane of the table top, mechanism for revolving said knife, and mechanism for feeding said knife radially of the table in a predetermined ratio to the speed of revolution of said table.

2,082,744
RUBBER THREAD AND METHOD OF MAKING SAME

Kenneth R. Shaw, Easthampton, Mass., assignor to Easthampton Rubber Thread Co., Easthampton, Mass., a corporation of Massachusetts

Application July 13, 1935, Serial No. 31,219
12 Claims. (Cl. 18—54)

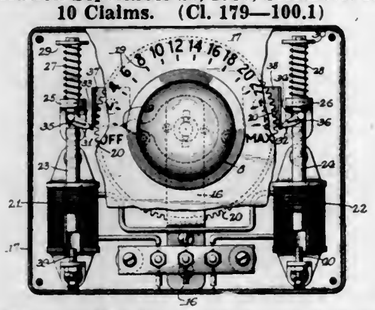


1. That improvement in methods of making rubber thread which consists in assembling a series of sheets of rubber in superposed relationship, producing a controlled adhesion between said sheets, cutting simultaneously through said sheets while relatively feeding the cutting implement and said assembly to produce a tape composed of threads cut from said respective sheets, the adhesion between said sheets being so controlled that the threads in said tape will normally be held together but being such that the threads can readily be pulled apart when desired.

2,082,745
DISTANT VOLUME CONTROL

Lawrence D. Strong, Maywood, Ill., assignor of one-half to Glenn S. Noble, Chicago, Ill.

Application September 22, 1930, Serial No. 483,708
10 Claims. (Cl. 179—100.1)

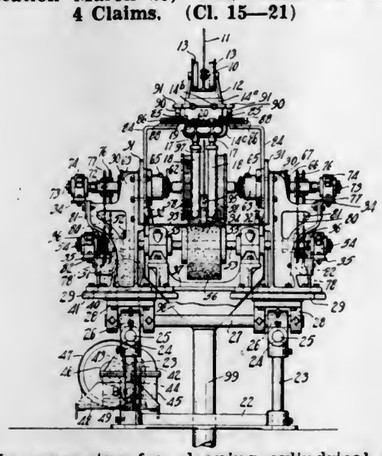


1. The combination with a rotatable shaft for actuating a volume control of the character set forth, of a ratchet wheel, solenoids arranged adjacent to either side of the wheel, upwardly extending cores for said solenoids, resilient means tending to hold said cores in raised position, pawls carried by the cores and adapted to coact with the wheel, means for causing the pawls to disengage the wheel when in normal position, adjustable stops for the cores, a switch for each solenoid adapted to be positioned at a distance therefrom, and circuits from a source of electricity to the respective solenoids, each circuit including one of said switches, the arrangement being such that the opening and closing of the switches will cause the respective solenoids to actuate their cores and thereby cause the pawls to rotate the wheel in opposite directions.

2,082,746
FORM CLEANING APPARATUS

Rollyn Van Hyning, Akron, Ohio, assignor, by mesne assignments, to John R. Gammeter, Akron, Ohio

Application March 29, 1935, Serial No. 13,651
4 Claims. (Cl. 15—21)

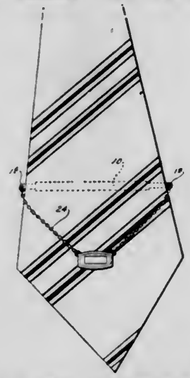


1. In apparatus for cleaning cylindrical dipping forms, the combination of an axial and a lateral support for each form, means for feeding the forms laterally in a direction transversely of their axes and relatively to their lateral support, means for rotating the forms on their axes as they are so fed, and means for buffing them in a direction transversely of their axes on the opposite side thereof from said lateral support as they are so fed.

2,082,747
ADJUSTABLE CRAVAT HOLDER

Edward L. Anderson, Attleboro, Mass., assignor to Ripley and Gowen Company, Inc., Attleboro, Mass.

Application September 29, 1936, Serial No. 103,201
3 Claims. (Cl. 24—49)

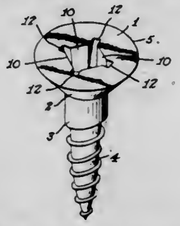


1. A cravat holder comprising an open-ended box-like structure including a clip member, laterally slidable members housed in respective ends of the box-like structure, each slidable member having a lug and a shoulder formed thereon, an inwardly disposed tongue at the ends of the box-like structure positioned between the lug and shoulder, whereby to limit sliding movements of the slidable members, and a flexible member having respective end portions fixed to respective ends of the slidable members.

2,082,748
COMBINED SOCKET AND SLOTTED SCREW

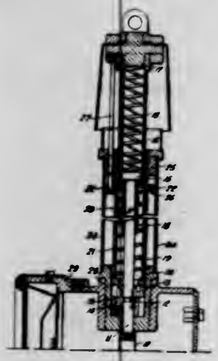
Frank K. Brown, South Dartmouth, Mass., assignor to Continental Screw Company, New Bedford, Mass., a corporation of Massachusetts

Application December 15, 1936, Serial No. 115,935
2 Claims. (Cl. 85—45)



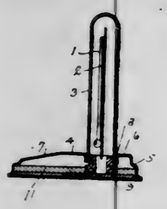
1. A screw having its head formed with a socket rectangular in cross-section and with the side walls substantially parallel with the axis of the screw and with each other, together with a plurality of pairs of slots, each pair being in diametrical alignment, opening from the walls of said socket and rectangular in cross-section, said slots extending beyond the walls of said socket and terminating within the periphery of the screw head.

2,082,749
ZERO-SETTING DEVICE
Reuben Ernest Handford, Luton, England, assignor, by mesne assignments, to L. N. S. Corporation, New York, N. Y., a corporation of Delaware
Application July 25, 1931, Serial No. 553,223
Renewed December 7, 1935
In Great Britain September 23, 1930
10 Claims. (Cl. 235—144)



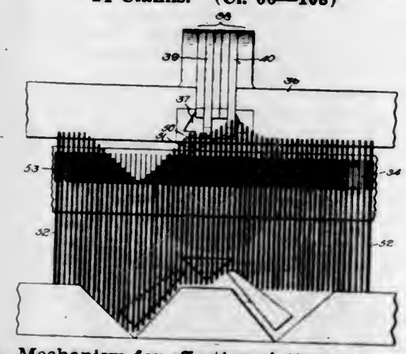
1. In apparatus of the class described, the combination of an indicating device, means movable between an initial and zeroizing position for restoring the indicating device to its zero position, means for biasing the restoring means into zeroizing position, a detent device for retaining the restoring means in its initial position, a zeroizing control member for releasing the detent device, and a dashpot for delaying the return of the restoring means to its initial position to ensure completion of an initiated zeroizing operation.

2,082,750
MOUNTING FOR THERMOMETERS
Walter F. Herold, Springfield, Ohio, assignor to The Chaney Manufacturing Company, Springfield, Ohio, a corporation of Ohio
Application March 6, 1936, Serial No. 67,513
4 Claims. (Cl. 73—52)



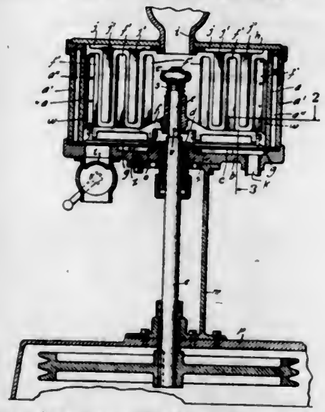
4. In a self-supporting thermometer, a base portion of sheet material, down turned marginal flanges thereon upon which the base stands, a socket formed in the top of the base, in laterally offset relation with the center line of the base to afford room for an ancillary body on the base beside the socket, and a cylindrical glass tube enclosing a thermometer tube and graduated back seated in said socket, a closure for the bottom of said cylindrical glass tube, said thermometer tube and graduated back being supported by said closure.

2,082,751
MECHANISM AND PROCESS FOR EFFECTING REVERSE PLATING
John Lawson and Robert H. Lawson, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application March 3, 1927, Serial No. 172,331
14 Claims. (Cl. 66—108)



1. Mechanism for effecting plating and reverse plating in a knitted fabric including a series of independent needles, thread engaging instrumentalities for each needle respectively including regular web holders, and including special instrumentalities by which reverse plating is to be effected, all of said instrumentalities being movable individually transverse of the needle series, thread guiding means to feed a back thread and a face thread in a plating relation to the needles, each of said special instrumentalities having an upper nib, the outer edge whereof is downwardly sloping and is adapted to receive one only of said threads during loop formation and for the purpose of effecting a change in the reverse plating.

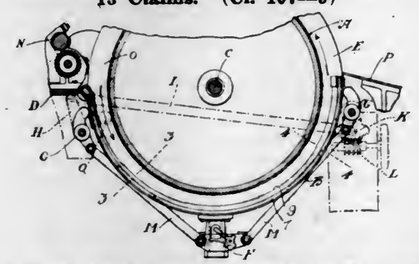
2,082,752
ICE CREAM FREEZER
Harry H. Lewis and William H. Ziegler, Portland, Oreg.
Application February 12, 1934, Serial No. 710,912
6 Claims. (Cl. 62—114)



1. In an ice cream freezer the combination of a cylindrical freezing chamber having a vertical axis, said freezing chamber having a hollow bottom thru which the refrigerant is continuously circulated, and baffles within said hollow bottom whereby the refrigerant is constrained against a direct course from inlet to outlet thru said

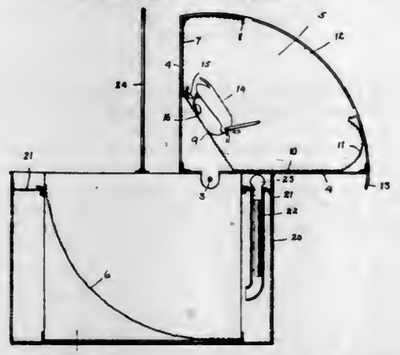
hollow bottom, but is directed and caused by said baffles to follow a more or less sinuous course, and thereby spread simultaneously in all directions within said hollow bottom, thus causing the rapid and uniform reduction in temperature of the entire bottom of the freezing chamber, a stirrer in said chamber rotating about said axis thereof, and wipers, carried by said stirrer, arranged to bear firmly but yieldably on the interior face of said bottom, whereby to prevent excessive deposits in certain local areas on the interior face of the bottom of the mixture in excess of deposits on other areas thereof, and thus promoting uniform progress in the freezing of the mixture within said freezing chamber.

2,082,753
PADDED COMPRESSION PLATE FOR DOUGH MOLDING MACHINES
Edward T. Parsons, Upper Montclair, and Hilon Willard Sawyer, Nutley, N. J., assignors to Thomson Machine Company, Belleville, N. J., a corporation of New Jersey
Application June 1, 1936, Serial No. 82,904
13 Claims. (Cl. 107—9)



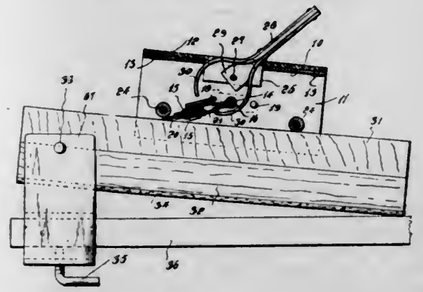
1. In a dough molding machine, the combination of two molding elements having spaced opposed surfaces forming a molding chamber to receive and roll a piece of dough longitudinally of the chamber, the surface of one of said elements gradually approaching the surface of the other element in the direction of movement of the dough and from opposite sides toward the longitudinal center of the chamber for simultaneously influencing the dough from the center of the length of the roll toward the ends and reducing the diameter of the roll.

2,082,754
MINNOW BUCKET
Wilhelm H. Peterson, Virginia, Minn.
Application April 2, 1936, Serial No. 72,292
3 Claims. (Cl. 43—56)



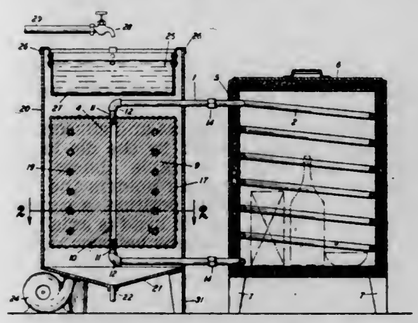
1. A minnow bucket comprising a pair of air chambers supported in spaced relation, an arcuately shaped or curved screen supported between said air chambers, and a sector shaped screened frame structure pivoted to the sides of said chambers adjacent upper corners thereof, whereby the sector-shaped structure may be positioned between or above said air chambers.

2,082,755
RAZOR BLADE SHARPENING APPARATUS
John Polney, Elizabeth, N. J.
Application May 22, 1936, Serial No. 81,296
2 Claims. (Cl. 51—153)



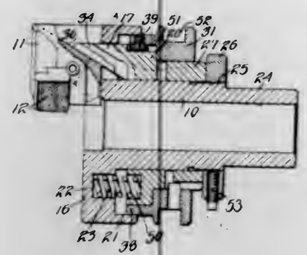
1. In a sharpener for safety razor blades, a U-shaped frame, a blade holder pivotally mounted between the side walls of the frame, means carried by the frame for limiting pivotal movements of the blade holder, a handle pivoted between the side walls of the frame and projecting through the upper end of the frame and having curved arms at its lower end straddling the blade holder for selectively moving and holding the blade holder into firm engagement with either of the movement limiting means, the blade holder comprising a pair of clamping plates and a pivoted stop carried by opposite ends of the plates for moving the same into binding engagement with a blade.

2,082,756
REFRIGERATION APPARATUS
Edwin S. Pridham, Oakland, Calif.
Application May 31, 1932, Serial No. 614,322
Renewed January 15, 1935
5 Claims. (Cl. 62—90)



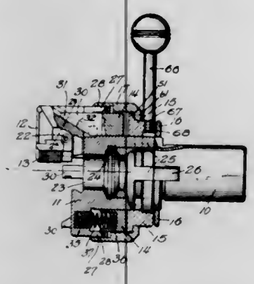
1. A heat exchanger for a circulating refrigeration system which comprises a tube of high heat conducting material, a fin integral with said tube, a layer of fluid absorbent material on said fin, said fin having ducts connecting said tube with said fluid absorbent material.

2,082,757
DIE HEAD
Charles A. Reimschissel, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application September 21, 1933, Serial No. 690,466
29 Claims. (Cl. 10—95)



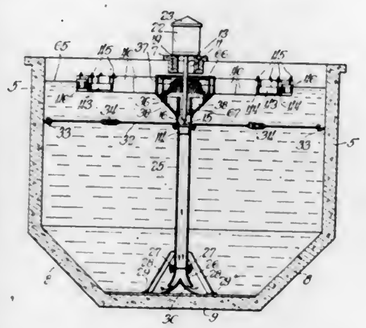
1. A die head comprising a body member, a closing ring, an operating ring and a locking ring, adjustable means for holding said locking ring in axial position on the body member, and means between said closing ring and said locking ring for holding said locking ring against said adjustable means.

2,082,758
DIE HEAD
Charles A. Reimschissel, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application November 14, 1935, Serial No. 49,804
18 Claims. (Cl. 10—95)



1. A die head having chaser holders radially movable thereon carrying chaser members, said die head having axially movable means thereon for moving the chaser holders and chasers in and out thereon, means carried by the die head and engaging said axially movable chaser moving means for locking the chaser holders and chasers in an inner thread cutting position, a supporting member upon which the die head is axially movable, spring connecting means between said locking means and said supporting means for holding said die head members in a rearward axial position on the supporting member, means for unlocking the chaser holder locking means so as to release them to effect a movement of the chaser holders and chasers from their thread cutting position to an outer released position by a forward movement of the die head upon said supporting member, and spring means for moving said chasers to their outer position when said locking means is moved to unlocked position.

2,082,759
METHOD AND APPARATUS FOR TREATMENT OF SEWAGE
James Donald Walker, Aurora, Ill., assignor, by mesne assignments, to The American Well Works, Aurora, Ill., a corporation of Illinois
Application October 15, 1934, Serial No. 748,284
23 Claims. (Cl. 210—8)



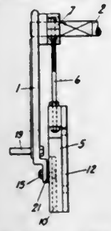
1. The method of aerating sewage in an aeration tank which comprises conducting surface liquor from selected portions of the surface of liquor in said tank to a central restricted portion in said tank open to atmosphere, drawing said liquor downwardly through said tank from said restricted portion and simultaneously incorporating minute particles of air therein, and discharging said liquor radially outwardly along the bottom of said tank.

2,082,760
RECEPTACLE
Philip Berni, Dennison, Ohio, assignor of one-half to James M. Cahaney, Dennison, Ohio
Application July 17, 1936, Serial No. 91,235
3 Claims. (Cl. 220—48)



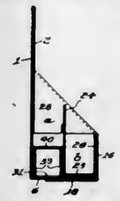
1. A receptacle of the class described comprising side and end walls, one of said end walls having a flexible opening-forming cutter member tapering substantially to a point at one end to provide a penetrating point with cutting edges diverging therefrom, said member being adapted to flex intermediate its length upon application of pressure at said point to render the cutting edges effective when depressed into the receptacle to provide a pour opening, said members having a flexible connection with the end wall at one end and a frangible connection with the end wall at the point end, said cutter member being separate from the end wall from the bendable connection to the frangible connection, and a liner for said receptacle in which the opening is to be made by the cutter member.

2,082,761
COUNTERBALANCING DEVICE
Richard R. Bloss and Roy C. Pfeil, Columbus, Ohio, assignors to The International Derrick & Equipment Company, Columbus, Ohio, a corporation of Ohio
Application February 14, 1927, Serial No. 167,924
8 Claims. (Cl. 74—591)



7. A counterbalance attachment for well pumping mechanism comprising, in combination with a crank arm supported on a crank shaft, a pendulous weight supported from the crank shaft and so mounted that it may be attached to said crank arm, and means for connecting said pendulous weight to said crank arm in such a manner that it will rotate therewith as a unit, said means being of such construction that the said pendulous weight may be entirely disconnected from said crank arm so that the crank arm can rotate independently and continuously while the said counterbalance weight remains stationary and while it is supported by said crank shaft.

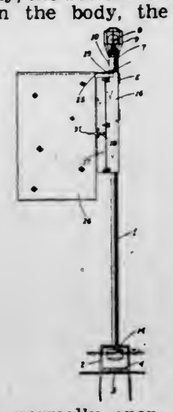
2,082,762
DISPLAY BOX
Harry V. Costigan, Philadelphia, Pa., assignor to Brown & Bailey Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 1, 1935, Serial No. 42,997
7 Claims. (Cl. 206—45)



2. A display box comprising front and rear walls, a bottom, and side walls having their upper edges extending upwardly and rearwardly from the front wall, slotted triangular flaps depending from said edges of the side walls, and a partition extending substantially from one side wall to the other engaged in the slots in said flaps to thereby hold the partition in substantially upright position in the box.

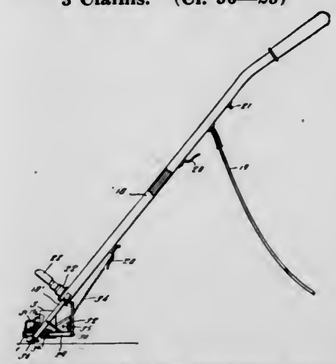
2,082,763
IRRIGATION SIGNAL
John H. Garrison, Lodi, Calif.
Application November 2, 1935, Serial No. 47,964
8 Claims. (Cl. 177—311)

1. An irrigation signal comprising an upstanding standard, means to support the standard in a field to be flooded, a rod mounted lengthwise of the standard and slidable relative thereto, a float on the lower end of the rod adjacent the lower end of the standard, a flashlight body secured to the upper end of the standard, an exposed globe on the outer end of the body, a battery in the body, the bottom of the battery being insulated from the body, the electric circuit



thereby being normally open, and means arranged in connection with the rod to close the circuit by upward movement thereof.

2,082,764
GRASS TRIMMER
John M. Hosier, Matamoras, Pa., assignor of one-half to Harold M. Young, Wilkes-Barre, Pa.
Application December 18, 1935, Serial No. 55,100
3 Claims. (Cl. 56—25)

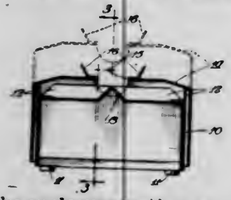


1. A device of the class described, comprising a platform, an electric motor including a crank member carried by the platform, an elongated narrow plate, means connected with the plate and the platform to detachably support the plate in extended relation on either side of the platform, a stationary cutter member supported on the plate, a second cutter member slidably supported on the first cutter member, each of said cutter members having teeth at each side thereof, a pivot member secured to the slidable cutter member, a bracket rotatably supported by said pivot member, a pitman connected at one end with the bracket and at the other end to the crank member to reciprocate the slidable cutter member, and a handle connected with the platform.

2,082,765
PAPER DISPENSER
Albert G. Krueger, Green Bay, Wis., assignor to Alwin Manufacturing Co., Green Bay, Wis., a corporation of Wisconsin
Application May 29, 1935, Serial No. 23,997
2 Claims. (Cl. 312—61)

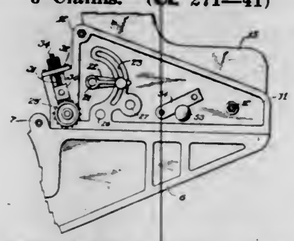
1. A device of the class described comprising a base member for supporting a stack of interfolded

sheets in elevated position said base member having substantially the same area as the interfolded sheets supported thereby, said base member being provided on its top with a central longitudinal ridge; and a cover member in the form of an in-



verted box-like enclosure resting on and supported by said stack and guided by said base member and provided with a central slot positioned over said ridge and permitting the withdrawal of the topmost sheet of the stack.

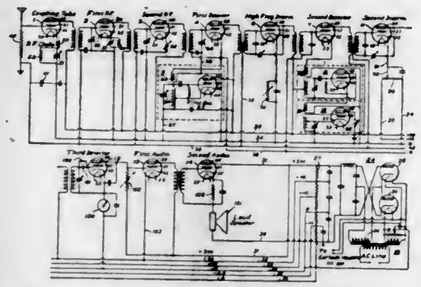
2,082,766
PAPER FEEDING MECHANISM
Gustav A. Knudsen, New York, N. Y.
Application October 11, 1935, Serial No. 44,599
3 Claims. (Cl. 271—41)



1. In a paper feeding mechanism, a magazine adapted to support a stack of paper sheets in substantially horizontal but slightly inclined position, said magazine comprising a pair of relatively adjustable vertical side plates having opposed shelves extending laterally therefrom in support of the longitudinal edges only of the stack at the bottom thereof, a substantially vertical member against which the lower end of the paper sheets may rest, a friction cylinder at the bottom of said member, said member terminating in an arc tangential with the periphery of said cylinder, a plurality of intermittently rotated feed rollers intermediate said side plates in support of the longitudinal center only of said paper stack, means for intermittently rotating said feed rollers, one of said feed rollers having its periphery in tangential relation to said cylinder, said feed rollers being adapted to effect the initial withdrawal of the lowermost sheet, and a pair of continuously rotated pull-out rollers beyond said magazine adapted to grip the leading edge of the paper sheet being fed to completely withdraw same from the magazine.

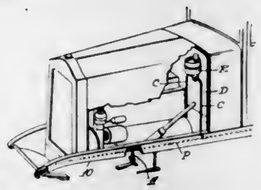
2,082,767
RADIO RECEIVING SYSTEM
Winfield R. Koch, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application May 27, 1929, Serial No. 366,357
9 Claims. (Cl. 179—171)

7. In a radio system, an electron discharge device having an independently heated source of electrons, a plate circuit including a source of positive potential, a grid circuit having a portion in common with said plate circuit and means for varying said common portion to directly produce simultaneous effects in both said plate and grid circuits.



8. In combination, a plurality of electron discharge devices, at least one of said devices having an indirectly heated cathode, circuits including inductive couplings for coupling said discharge devices to constitute a radio system, a common source of potential for said discharge devices, normally variable condensers in said circuits for tuning said inductive couplings to desired frequencies of operation, each of said condensers having fixed and movable elements, and a conductive interconnection between similar elements of said condensers.

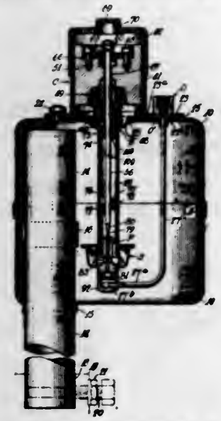
2,082,768
CENTRALIZED LUBRICATING APPARATUS
Joseph Bijur, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application October 11, 1929, Serial No. 398,840
49 Claims. (Cl. 184—26)



1. A reservoir, pump and motor unit for centralized liquid distributing systems, including a reservoir tank, a pump mounted at the bottom thereof and a motor mounted at the top thereof, and a long flexible connecting rod between motor and pump adapted to accommodate misalignment of said motor and pump, the motor including a spring supported inertia weight and a hollow post upon which the weight is slidable, said connecting rod extending through the post and being fixed to the weight.

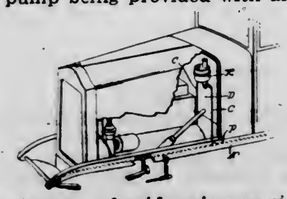
2,082,769
LUBRICATION
Joseph Bijur, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application December 17, 1930, Serial No. 502,929
10 Claims. (Cl. 184—27)

1. An inertia pressure-creating mechanism for a lubricating system comprising a plunger pump with a vertical plunger, a connecting rod extending vertically upwardly from said plunger, an inertia weight connected to the top of said connecting rod, a spring adapted to float said weight and means to determine the throw of said plunger, including adjusting means to elevate and lower the floating spring.

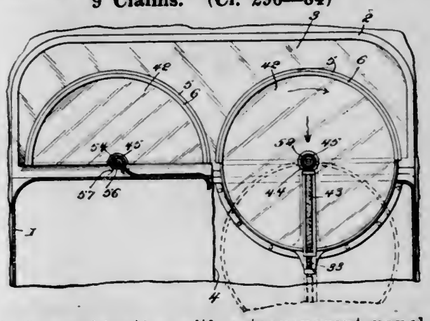


2,082,770
LUBRICATION
Joseph Bijur, deceased, late of New York, N. Y., by George Bijur, executor, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application May 8, 1933, Serial No. 669,958. In Great Britain June 8, 1929
41 Claims. (Cl. 184—7)

1. A reservoir, pump and pump motor unit, including a reservoir chamber, an elongated casing extending vertically through said reservoir, a pump at the lower end of the casing and a motor at the upper end thereof, operative connections between pump and motor through said casing, means providing a liquid flow passage from the reservoir into the bottom of the casing and oil filtering means in the flow passage, said casing being filled with lubricant to the level of the lubricant in the reservoir through said passage and said pump being provided with an inlet adjacent the bottom of said casing receiving lubricant from said casing by gravity flow.



2,082,771
WINDSHIELD
Harry Howard, Sr., Columbia, S. C.
Application July 31, 1936, Serial No. 93,691
9 Claims. (Cl. 296—84)



1. In combination with a transparent panel of a window or windshield having a cutout portion, a frame mounted in the cutout portion of the panel, a housing located adjacent the frame and having a mouth, a mounting located at the mouth of the housing, a transparent panel rotatably supported by said mounting and capable of being bodily moved into and out of the frame and into and out of the housing, and means for rotating the panel.

DESIGNS

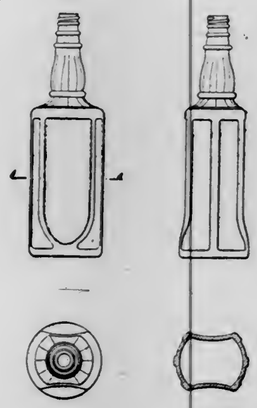
JUNE 1, 1937

104,714
DESIGN FOR A COLLAR RETAINING CLIP OR THE LIKE
William F. Becker, Elmhurst, N. Y.
Application February 15, 1936, Serial No. 61,195
Term of patent 7 years



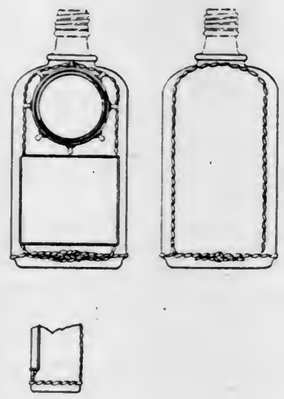
The ornamental design for a collar retaining clip or the like, as shown.

104,715
DESIGN FOR A BOTTLE
Hyman C. Berkowitz, Boston, Mass., assignor to Ben-Burk, Inc., Boston, Mass., a corporation of Massachusetts
Application April 2, 1937, Serial No. 68,533
Term of patent 14 years



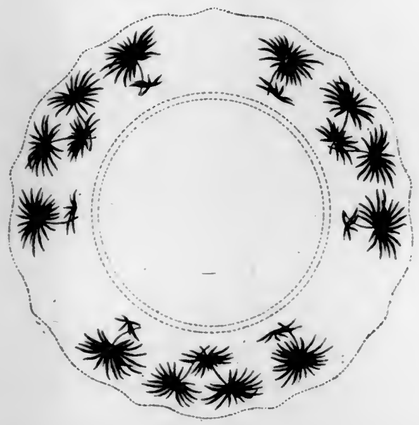
The ornamental design for a bottle, substantially as shown.

104,716
DESIGN FOR A BOTTLE
Hyman C. Berkowitz, Boston, Mass., assignor to Ben-Burk, Inc., Boston, Mass., a corporation of Massachusetts
Application April 2, 1937, Serial No. 68,534
Term of patent 14 years



The ornamental design for a bottle, substantially as shown and described.

104,717
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Edgar Mott Bottome, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 10, 1937, Serial No. 68,666
Term of patent 3½ years



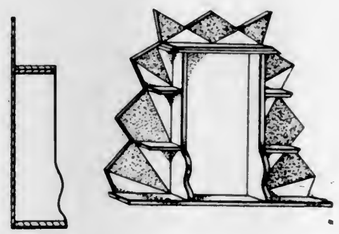
The ornamental design for a plate or similar article, substantially as shown and described.

104,718
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Edgar Mott Bottome, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 10, 1937, Serial No. 68,667
Term of patent 3½ years



The ornamental design for a goblet or similar article, substantially as shown and described.

104,719
DESIGN FOR A MERCHANDISE DISPLAY CASE
Edward Lee Brown, Dallas, Tex.
Application January 13, 1936, Serial No. 60,549
Term of patent 3½ years



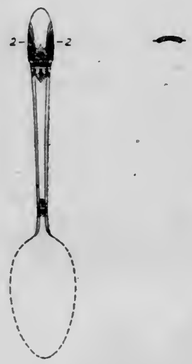
The ornamental design for a merchandise display case, as shown.

104,720
DESIGN FOR A DISPLAY BASKET
James Doig, Wilmette, Ill., assignor to The Niagara Lithograph Company, Buffalo, N. Y., a corporation of New York
Application March 25, 1937, Serial No. 68,399
Term of patent 7 years



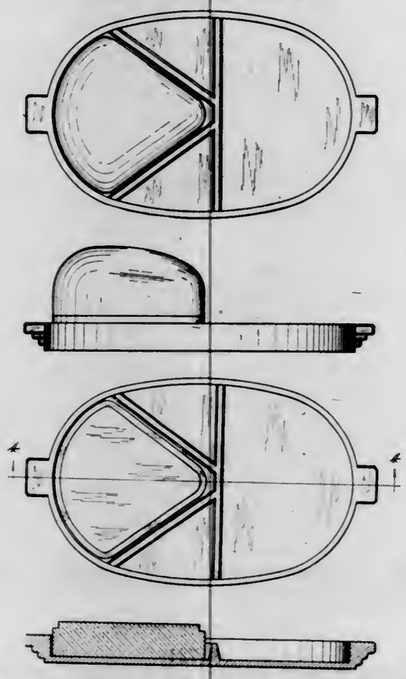
The ornamental design for a display basket, substantially as shown.

104,721
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Lillian V. M. Helander, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application April 29, 1937, Serial No. 69,042
Term of patent 14 years



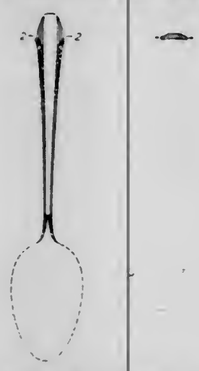
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

104,722
DESIGN FOR A COMBINED CHEESE AND CRACKER TRAY OR SIMILAR ARTICLE
Jess Clair Kelly, Cambridge, Ohio
Application March 22, 1937, Serial No. 68,332
Term of patent 7 years



The ornamental design for a combined cheese and cracker tray or similar article, substantially as shown.

104,723
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Alfred G. Kintz, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application April 29, 1937, Serial No. 69,043
Term of patent 14 years



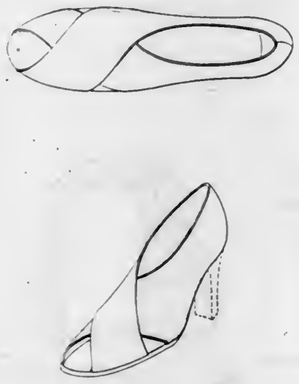
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

104,724
DESIGN FOR A LOLLIPOP FIGURE
Harry J. Lasher, Bennington, Vt., assignor to Bennington Wax Paper Company, Bennington, Vt.
Application April 2, 1937, Serial No. 68,537
Term of patent 7 years



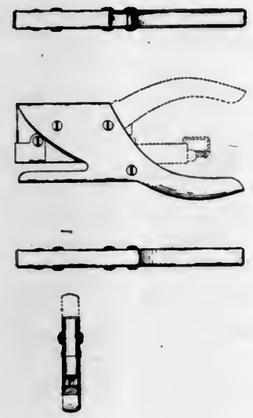
The ornamental design for a lollipop figure, as shown.

104,725
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Andre Perugia, Paris, France
Application March 8, 1937, Serial No. 68,064
Term of patent 3½ years



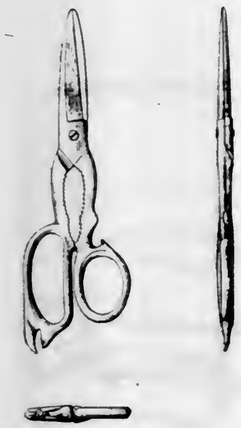
The ornamental design for a shoe or similar article, substantially as shown and described.

104,726
DESIGN FOR A STAPLING IMPLEMENT
Fridolin Polzer, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut
Application July 31, 1936, Serial No. 64,148
Term of patent 14 years



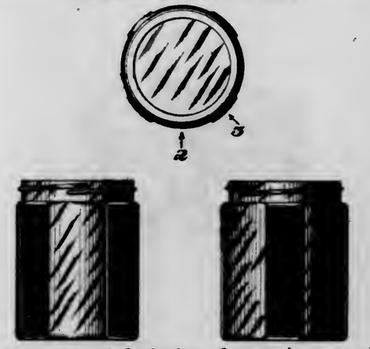
The ornamental design for a stapling implement substantially as shown.

104,727
DESIGN FOR COMBINED KITCHEN SHEARS AND CONTAINER OPENER
Frederic H. Rauh, South Orange, N. J., assignor to J. Wiss & Sons Co., Newark, N. J., a corporation of New Jersey
Application April 13, 1937, Serial No. 68,738
Term of patent 14 years



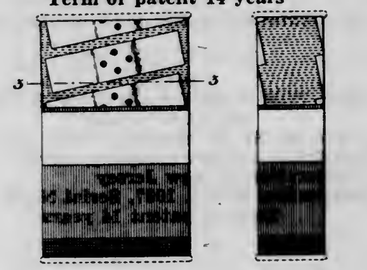
The ornamental design for combined kitchen shears and container opener as shown and described.

104,728
DESIGN FOR A JAR OR SIMILAR ARTICLE
Paul E. Roehrich, Hastings, N. Y., assignor to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application March 13, 1937, Serial No. 68,145
Term of patent 7 years



The ornamental design for a jar or similar article, as shown.

104,729
DESIGN FOR A BOX OR SIMILAR CONTAINER
Isador Silverman, Cleveland, Ohio, assignor to The Forest City Rubber Company, Cleveland, Ohio, a corporation of Ohio
Application March 29, 1937, Serial No. 68,450
Term of patent 14 years



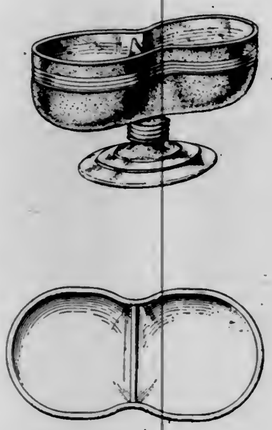
The ornamental design for a box or similar container substantially as shown and described.

104,730
DESIGN FOR A SLIPPER
Max Shanzer, New York, N. Y.
Application April 14, 1937, Serial No. 68,758
Term of patent 3½ years



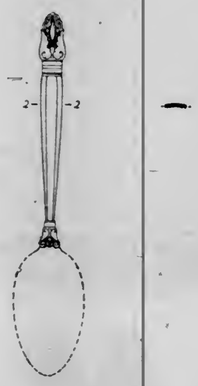
The ornamental design for a slipper substantially as shown.

104,731
DESIGN FOR A DISH
James E. Spence, Wheeling, W. Va., assignor to J. Hungerford Smith Company, Rochester, N. Y., a corporation of New York
Application April 19, 1937, Serial No. 68,877
Term of patent 7 years



The ornamental design for a dish as shown.

104,732
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLAT-WARE
Frederick W. Stark, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application May 1, 1937, Serial No. 69,108
Term of patent 14 years



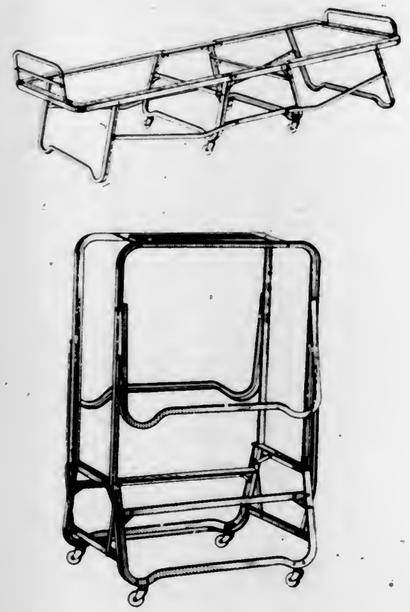
The ornamental design for a spoon or other article of flat-ware, substantially as shown and described.

104,733
DESIGN FOR A SHOE
Adolph Wertheim, Brooklyn, N. Y., assignor to Delman, Inc., New York, N. Y.
Application January 22, 1937, Serial No. 67,217
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

104,734
DESIGN FOR A FOLDING COT
Arthur Wesley, Chicago, Ill., assignor to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware
Application January 15, 1937, Serial No. 67,078
Term of patent 7 years



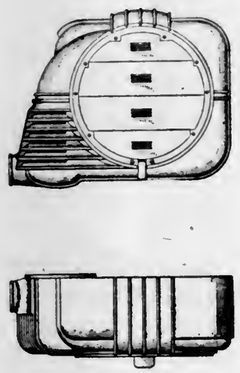
The ornamental design for a folding cot as shown and described.

104,735
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Charles H. Ziff and Louis S. Getz, Chicago, Ill.
Application April 19, 1937, Serial No. 68,874
Term of patent 7 years



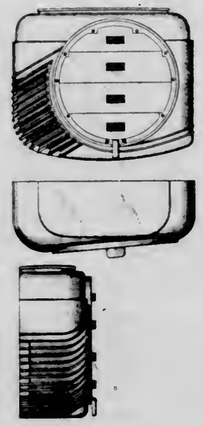
The ornamental design for a bottle or similar article, substantially as shown and described.

104,736
DESIGN FOR AN AUTOMOBILE HEATER
Theodore Briskin, Chicago, Ill., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware
Application March 22, 1937, Serial No. 68,322
Term of patent 3½ years



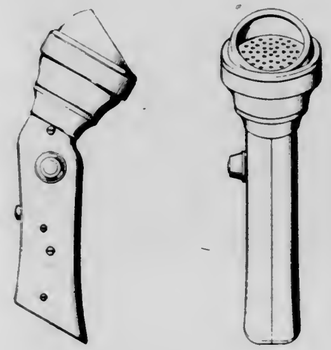
The ornamental design for an automobile heater as shown.

104,737
DESIGN FOR AN AUTOMOBILE HEATER
Theodore Briskin, Chicago, Ill., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware
Application March 22, 1937, Serial No. 68,323
Term of patent 3½ years



The ornamental design for an automobile heater as shown.

104,738
DESIGN FOR A TELEPHONE TRANSMITTER
Elmer L. Brown, San Francisco, Calif.
Application February 2, 1937, Serial No. 67,408
Term of patent 14 years



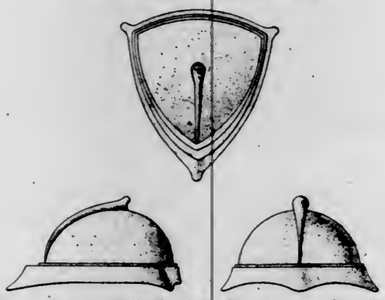
The ornamental design for a telephone transmitter substantially as shown.

104,739
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application April 21, 1937, Serial No. 68,907
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

104,740
DESIGN FOR A JEWELRY BOX OR SIMILAR CONTAINER
Harry Gross, Bronx, N. Y.
Application January 13, 1937, Serial No. 67,025
Term of patent 3½ years



The ornamental design for a jewelry box or similar container, as shown.

104,741
DESIGN FOR A MONUMENT
Cloyd K. Grubbs, Muncie, Ind.
Application August 10, 1936, Serial No. 64,314
Term of patent 14 years



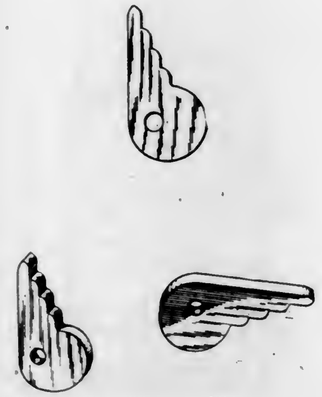
The ornamental design for a monument, substantially as shown.

104,742
DESIGN FOR A FINGER RING
John J. Gruen, South Orange, N. J., assignor to Moore & Son, Inc., Newark, N. J., a corporation of New Jersey
Application March 31, 1937, Serial No. 68,492
Term of patent 7 years



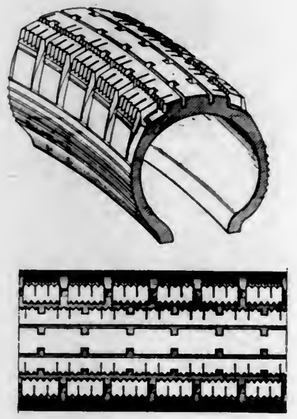
The ornamental design for a finger ring, as shown.

104,743
DESIGN FOR A WINDOW SASH ARRESTER OR SIMILAR ARTICLE
Leander Hedberg, Fairfield, Conn.
Application September 15, 1936, Serial No. 64,856
Term of patent 7 years



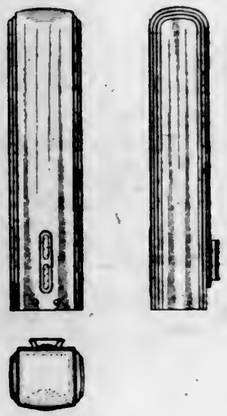
The ornamental design for a window sash arrester or similar article, substantially as shown.

104,744
DESIGN FOR A TIRE
Frank George William King, Sutton Coldfield, and Leonard John Lambourn, Erdington, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Application April 7, 1937, Serial No. 68,608
In Great Britain December 7, 1936
Term of patent 14 years



The ornamental design for a tire as shown.

104,745
DESIGN FOR A PAPER CUP DISPENSER
Frederick G. Miller, Omaha, Nebr., assignor to Carpenter Paper Co., Omaha, Nebr., a corporation of Nebraska
Application April 3, 1937, Serial No. 68,547
Term of patent 14 years



The ornamental design for a paper cup dispenser as shown.

104,746
DESIGN FOR A TOY
John Rambacher, New York, N. Y.
Application February 26, 1937, Serial No. 67,874
Term of patent 7 years



The ornamental design for a toy, as shown.

104,747
DESIGN FOR A DECORATIVE NAIL
Benjamin Salzberg, New York, N. Y.
Application February 23, 1937, Serial No. 67,804
Term of patent 3½ years



The ornamental design for a decorative nail substantially as shown.

104,748
DESIGN FOR A FINGER RING
Louis Albert Samstag, New York, N. Y.
Application August 13, 1936, Serial No. 64,385
Term of patent 3½ years



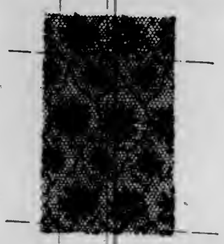
The ornamental design for a finger ring as shown.

104,749
DESIGN FOR AN EMBROIDERED NET
Max Sokoloff, Woodmere, N. Y.
Application April 19, 1937, Serial No. 68,871
Term of patent 3½ years



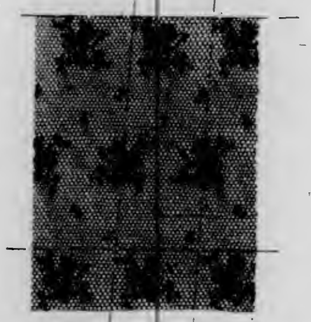
The ornamental design for an embroidered net substantially as shown and described.

104,750
DESIGN FOR AN EMBROIDERED NET
Max Sokoloff, Woodmere, N. Y.
Application April 19, 1937, Serial No. 68,872
Term of patent 3½ years



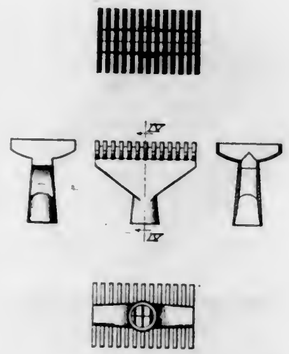
The ornamental design for an embroidered net substantially as shown and described.

104,751
DESIGN FOR AN EMBROIDERED NET
Max Sokoloff, Woodmere, N. Y.
Application April 19, 1937, Serial No. 68,873
Term of patent 3½ years



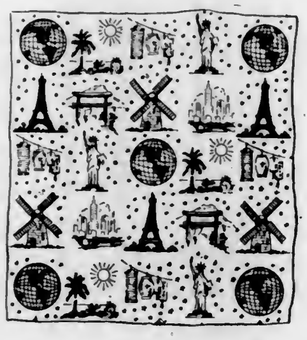
The ornamental design for an embroidered net substantially as shown and described.

104,752
DESIGN FOR A GAS BURNER
Philip J. Sonner, Winfield, Kans.
Application July 9, 1936, Serial No. 63,743
Term of patent 14 years



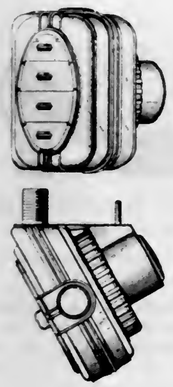
The ornamental design for a gas burner as shown.

104,753
DESIGN FOR TEXTILE FABRIC
Max Spelrein, Brooklyn, N. Y., assignor to Spelrein Luggage Corp., Brooklyn, N. Y.
Application April 23, 1937, Serial No. 68,948
Term of patent 7 years



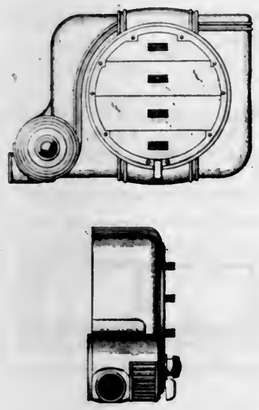
The ornamental design for textile fabric substantially as shown.

104,754
DESIGN FOR AN AUTOMOBILE HEATER
Philmore F. Sperry, Chicago, Ill., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware
Application March 22, 1937, Serial No. 68,324
Term of patent 3½ years



The ornamental design for an automobile heater as shown.

104,755
DESIGN FOR AN AUTOMOBILE HEATER
Philmore F. Sperry, Chicago, Ill., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware
Application March 22, 1937, Serial No. 68,325
Term of patent 3½ years



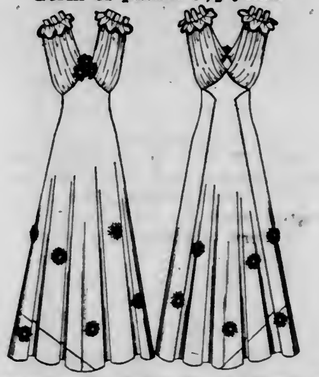
The ornamental design for an automobile heater as shown.

104,756
DESIGN FOR A DRESS
William G. Steinman, New York, N. Y.
Application April 29, 1937, Serial No. 69,024
Term of patent 3½ years



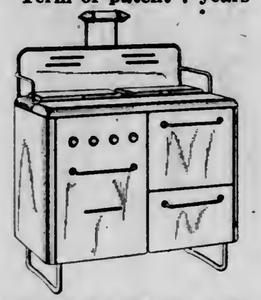
The ornamental design for a dress substantially as shown.

104,757
DESIGN FOR A DRESS
William G. Steinman, New York, N. Y.
Application April 29, 1937, Serial No. 69,025
Term of patent 3½ years



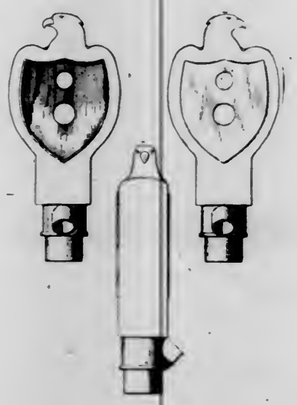
The ornamental design for a dress substantially as shown.

104,758
DESIGN FOR A STOVE
Albert H. Tinnerman, Cleveland, Ohio
Application April 9, 1937, Serial No. 68,657
Term of patent 7 years



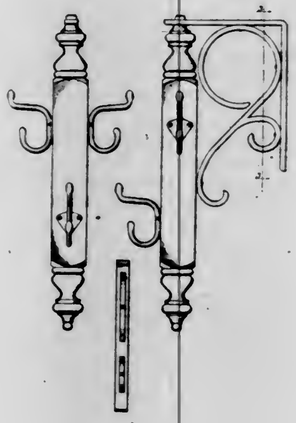
The ornamental design for a stove substantially as shown and described.

104,759
DESIGN FOR A CABINET FOR A PARKING METER OR SIMILAR ARTICLE
Charlie L. Wright, Kansas City, Mo.
Application March 19, 1937, Serial No. 68,276
Term of patent 14 years



The ornamental design for a cabinet for a parking meter or similar article, as shown.

104,760
DESIGN FOR A COAT RACK
Raymond F. Barnes and Alfred N. Van Keulen, Grand Rapids, Mich.
Application April 16, 1937, Serial No. 68,819
Term of patent 3½ years



The ornamental design for a coat rack, substantially as shown.

104,761
DESIGN FOR A SLIPPER
Israel Berman, Little Falls, N. Y.
Application March 30, 1937, Serial No. 68,482
Term of patent 3½ years





The ornamental design for a slipper substantially as shown and described.

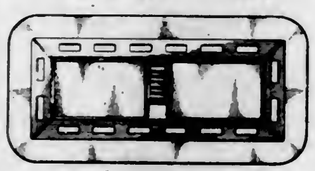
104,762
DESIGN FOR A SLIPPER
Israel Berman, Little Falls, N. Y.
Application March 30, 1937, Serial No. 68,486
Term of patent 3½ years





The ornamental design for a slipper substantially as shown.

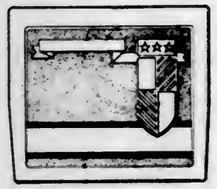
104,763
DESIGN FOR A HEATER REGISTER OR SIMILAR ARTICLE
Rowland J. Black, Buffalo, N. Y.
Application April 5, 1937, Serial No. 68,561
Term of patent 7 years

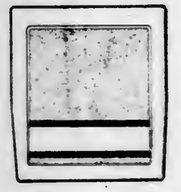




The ornamental design for a heater register or similar article as shown.

104,764
DESIGN FOR A RECEPTACLE FOR BATTERIES OR SIMILAR ARTICLES
Henry Brunjes, Glendale, N. Y., assignor to American Hard Rubber Company, New York, N. Y.
Application April 17, 1937, Serial No. 68,838
Term of patent 7 years





The ornamental design for a receptacle for batteries or similar articles, as shown and described.

104,765
DESIGN FOR A SANDAL
Leander Carey, Medford, Mass., assignor to Collela & Leighton Shoe Co., Lynn, Mass.
Application December 10, 1936, Serial No. 66,432
Term of patent 3½ years





The ornamental design for a sandal, as shown and described.

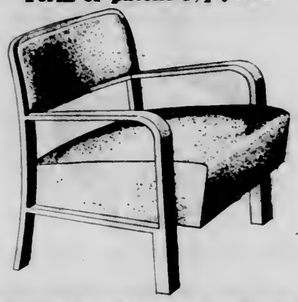
104,766
DESIGN FOR A HANDLE FOR TOOLS OR SIMILAR ARTICLES
Harry B. Curtis, Huntington, Conn., assignor to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn., a corporation of Connecticut
Application March 22, 1937, Serial No. 68,335
Term of patent 7 years





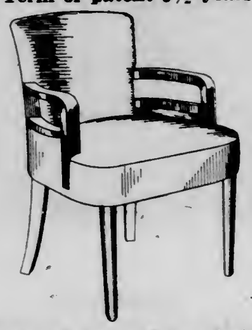
The ornamental design for a handle for tools or similar articles, substantially as shown.

104,767
DESIGN FOR A CHAIR
James F. Eppenstein, Chicago, Ill.
Application April 30, 1937, Serial No. 69,074
Term of patent 3½ years



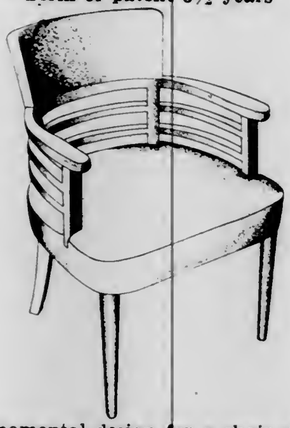
The ornamental design for a chair, as shown.

104,768
DESIGN FOR A CHAIR
James F. Eppenstein, Chicago, Ill.
Application April 30, 1937, Serial No. 69,075
Term of patent 3½ years



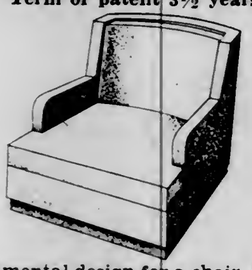
The ornamental design for a chair, as shown.

104,769
DESIGN FOR A CHAIR
James F. Eppenstein, Chicago, Ill.
Application April 30, 1937, Serial No. 69,076
Term of patent 3½ years



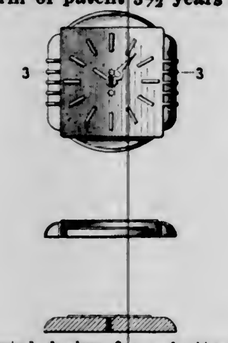
The ornamental design for a chair, as shown.

104,770
DESIGN FOR A CHAIR
James F. Eppenstein, Chicago, Ill.
Application April 30, 1937, Serial No. 69,077
Term of patent 3½ years



The ornamental design for a chair, as shown.

104,771
DESIGN FOR A BUTTON
Fred H. Fisher, Syracuse, N. Y., assignor to Morris W. Haft & Brothers, Inc., New York, N. Y., a corporation of New York
Application March 23, 1937, Serial No. 68,357
Term of patent 3½ years



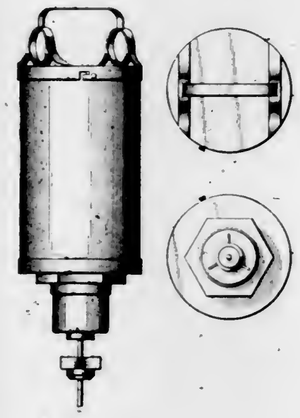
The ornamental design for a button, substantially as shown.

104,772
DESIGN FOR A TUMBLER
Edwin W. Fuerst, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 14, 1937, Serial No. 68,767
Term of patent 14 years



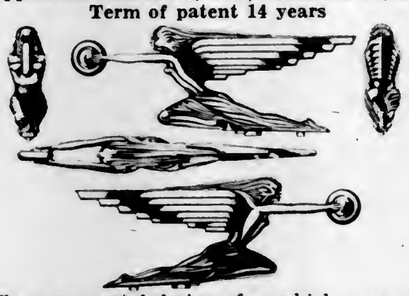
The ornamental design for a tumbler substantially as shown.

104,773
DESIGN FOR A BATTER DISPENSER
Ralph T. Ganary, Collingswood, N. J.
Application February 23, 1937, Serial No. 67,810
Term of patent 14 years



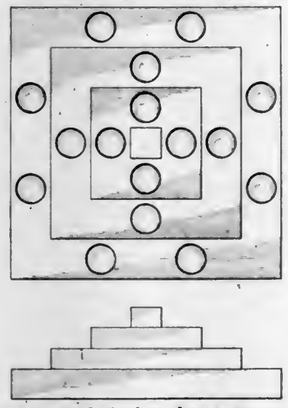
The ornamental design for a batter dispenser as shown.

104,774
DESIGN FOR A VEHICLE ORNAMENT OR SIMILAR ARTICLE
Werner H. A. Gubitz, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 13, 1937, Serial No. 68,161
Term of patent 14 years



The ornamental design of a vehicle ornament or similar article, as shown.

104,775
DESIGN FOR A GAME APPARATUS
Harry G. Grossman, New York, N. Y.
Application March 11, 1937, Serial No. 68,113
Term of patent 3½ years



The ornamental design for a game apparatus as shown.

104,776
DESIGN FOR PAPER FOR BOX COVERINGS AND SIMILAR ARTICLES
John N. Hazen, Holyoke, Mass.
Application December 10, 1935, Serial No. 60,002
Term of patent 3½ years



The ornamental design for paper for box coverings, and similar articles, as shown and described.

104,777
DESIGN FOR A TEXTILE FABRIC
Jacques Heim, Paris, France
Application May 12, 1937, Serial No. 69,321
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

104,778
DESIGN FOR A TEXTILE FABRIC
Jacques Heim, Paris, France
Application May 12, 1937, Serial No. 69,322
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

104,779
DESIGN FOR A TEXTILE FABRIC
Jacques Heim, Paris, France
Application May 12, 1937, Serial No. 69,323
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

104,780
DESIGN FOR A TEXTILE FABRIC
Jacques Heim, Paris, France
Application May 12, 1937, Serial No. 69,324
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

104,781
DESIGN FOR A REDINGOTE
Dorothy High, New York, N. Y.
Application April 14, 1937, Serial No. 68,742
Term of patent 3½ years



The ornamental design for a redingote, substantially as shown and described.

104,782
DESIGN FOR A DRESS ENSEMBLE
Dorothy High, New York, N. Y.
Application April 17, 1937, Serial No. 68,831
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described

104,783
DESIGN FOR A PLATE OR SIMILAR ARTICLE
William T. Johnson, New Brighton, Pa., assignor to Mayer China Company, Beaver Falls, Pa., a corporation of Pennsylvania
Application April 19, 1937, Serial No. 68,869
Term of patent 14 years



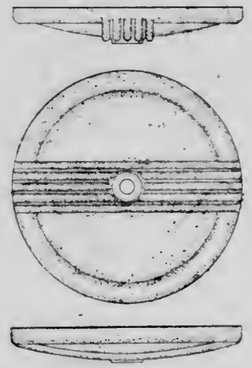
The ornamental design for a plate or similar article, substantially as shown.

104,784
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Doris Johnson, New Brighton, Pa., assignor to Mayer China Company, Beaver Falls, Pa., a corporation of Pennsylvania
Application April 19, 1937, Serial No. 68,870
Term of patent 14 years



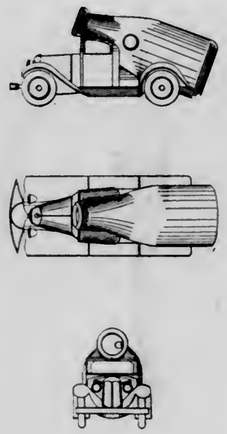
The ornamental design for a plate or similar article, substantially as shown.

104,785
DESIGN FOR A LAMP BASE OR SIMILAR ARTICLE
John A. Korengold, Chicago, Ill.
Application April 12, 1937, Serial No. 68,686
Term of patent 7 years



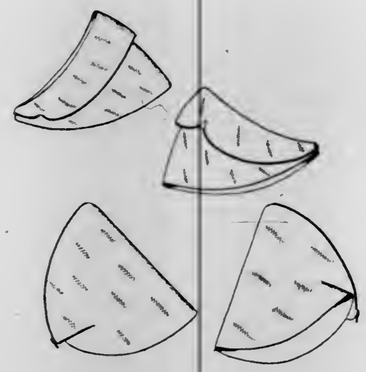
The ornamental design for a lamp base or similar article, substantially as shown.

104,786
DESIGN FOR AN ADVERTISING VEHICLE
Ernest J. B. La Lumière, Cranston, R. I.
Application July 26, 1935, Serial No. 57,815
Term of patent 14 years



The ornamental design for an advertising vehicle, substantially as shown.

104,787
DESIGN FOR A CAP
Ruby Lipton, New York, N. Y.
Application March 18, 1937, Serial No. 68,265
Term of patent 14 years



The ornamental design for a cap, substantially as shown and described.

104,788
DESIGN FOR A LIGHTING STANDARD
James N. Locke, Long Beach, Calif.
Application October 26, 1936, Serial No. 65,493
Term of patent 3½ years



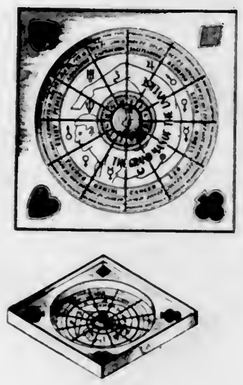
The ornamental design for a lighting standard, as shown and described.

104,789
DESIGN FOR A LIGHTING STANDARD
James N. Locke, Long Beach, Calif.
Application October 26, 1936, Serial No. 65,494
Term of patent 3½ years



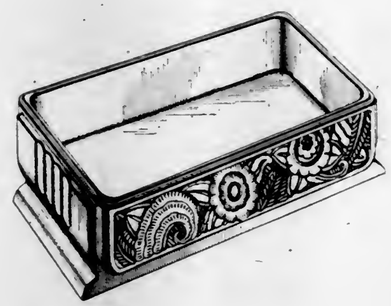
The ornamental design for a lighting standard, as shown and described.

104,790
DESIGN FOR A GAME BOARD
William E. MacGuire, Louisville, Ky.
Application April 8, 1937, Serial No. 68,635
Term of patent 3½ years



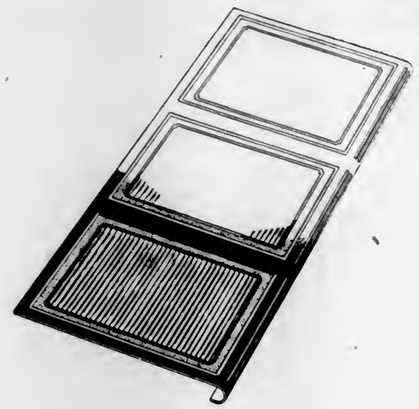
The ornamental design for a game board, as shown.

104,791
DESIGN FOR A TABLE CENTERPIECE
William E. Mackelfresh, Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 14, 1937, Serial No. 68,781
Term of patent 7 years



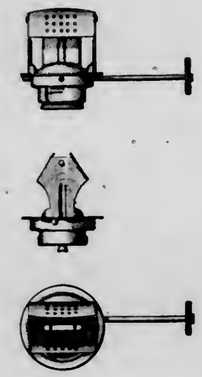
The ornamental design for a table centerpiece substantially as shown and described.

104,792
DESIGN FOR A STAIR TREAD MAT
Hunter McKay, Cambridge, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application October 30, 1936, Serial No. 65,604
Term of patent 14 years



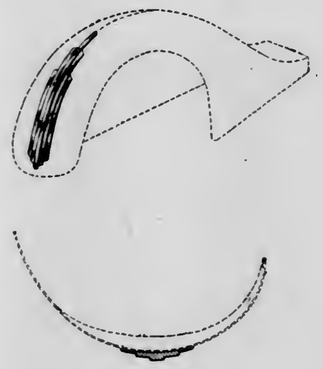
The ornamental design for a stair tread mat substantially as shown and described.

104,793
DESIGN FOR A LANTERN BURNER
Antonio Menna, Newark, N. J., assignor to Lovell-Dressel Company, Inc., Arlington, N. J., a corporation of Maine
Application March 24, 1936, Serial No. 61,767
Term of patent 14 years



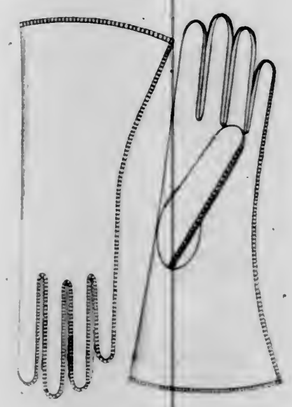
The ornamental design for a lantern burner, as shown.

104,794
DESIGN FOR AN AUTOMOBILE MUDGUARD
Edward J. Meyer, Kansas City, Mo.
Application July 23, 1936, Serial No. 63,997
Term of patent 3½ years



The ornamental design for an automobile mudguard, substantially as shown and described.

104,795
DESIGN FOR A GLOVE
Wallace E. Meyers, New York, N. Y.
Application April 17, 1937, Serial No. 68,832
Term of patent 7 years



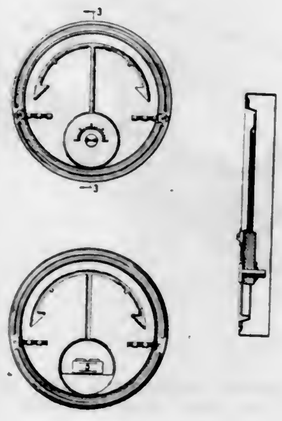
The ornamental design for a glove, substantially as shown, and described.

104,796
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application April 21, 1937, Serial No. 68,898
Term of patent 3½ years



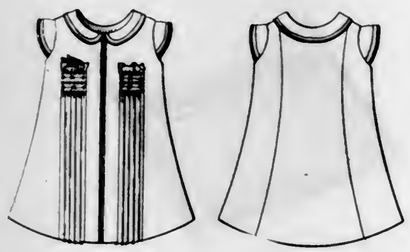
The ornamental design for a dress, substantially as shown, and described.

104,797
DESIGN FOR A DRAFT REGULATING DEVICE
Clarence H. Morrow, Shaker Heights, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application September 21, 1936, Serial No. 64,944
Term of patent 14 years



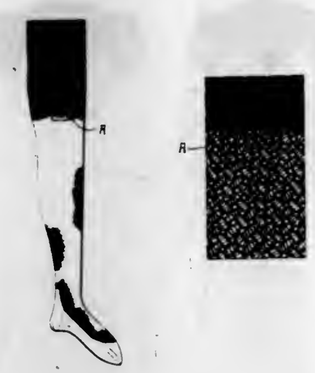
The ornamental design for a draft regulating device, as shown and described.

104,798
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 17, 1937, Serial No. 68,217
Term of patent 3½ years



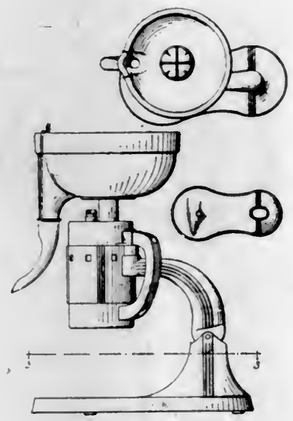
The ornamental design for a dress as shown and described.

104,799
DESIGN FOR A STOCKING
Ernest Albin Nebel, Paterson, N. J.
Application March 9, 1937, Serial No. 68,083
Term of patent 7 years



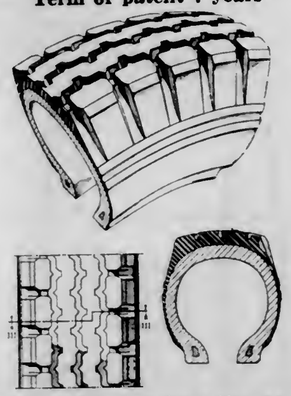
The ornamental design for a stocking as shown and described.

104,800
DESIGN FOR A FRUIT JUICER
Eugene Newnham and William H. Fischer, St. Louis, Mo., assignors to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application March 2, 1937, Serial No. 67,947
Term of patent 7 years



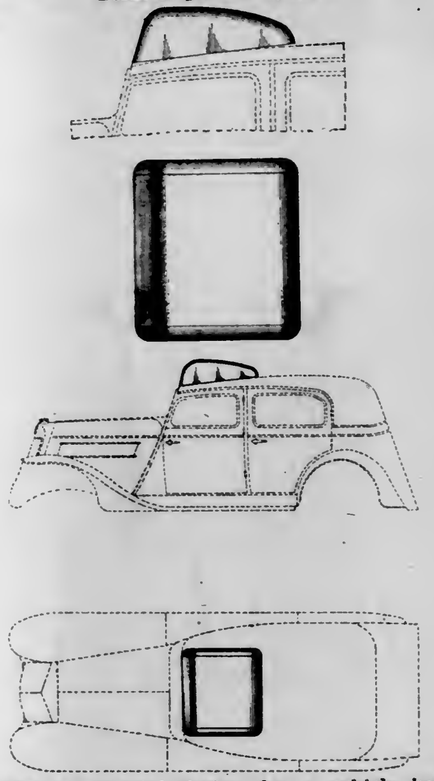
The ornamental design for a fruit juicer as shown.

104,801
DESIGN FOR A TIRE
Joseph E. Partenheimer, Newark, N. J., assignor to Atlas Supply Company, Newark, N. J., a corporation of Delaware
Application December 19, 1936, Serial No. 66,659
Term of patent 7 years



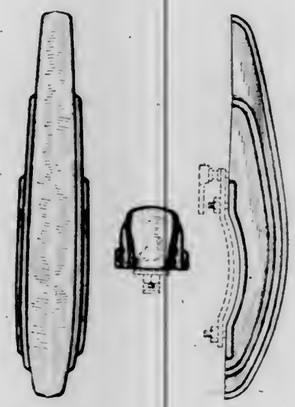
The ornamental design for a tire, as shown.

104,802
DESIGN FOR A VEHICLE BODY
Ralph F. Peo, Buffalo, N. Y.
Application October 24, 1936, Serial No. 65,476
Term of patent 7 years



The ornamental design for a vehicle body substantially as shown and described.

104,803
DESIGN FOR A COMBINED TRUNK GUARD AND GRILLE GUARD
Louis S. Poncher, Chicago, Ill.
Application March 6, 1937, Serial No. 68,051
Term of patent 7 years



The ornamental design for a combined trunk guard and grille guard substantially as shown and described.

104,804
DESIGN FOR A DRESS
Elfie N. Perper, New York, N. Y.
Application May 5, 1937, Serial No. 69,177
Term of patent 3½ years



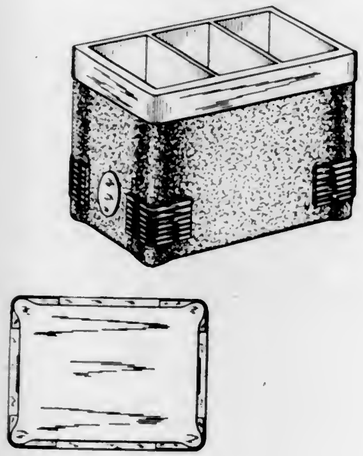
The ornamental design for a dress substantially as shown.

104,805
DESIGN FOR A DRESS
Elfie N. Perper, New York, N. Y.
Application May 5, 1937, Serial No. 69,178
Term of patent 3½ years



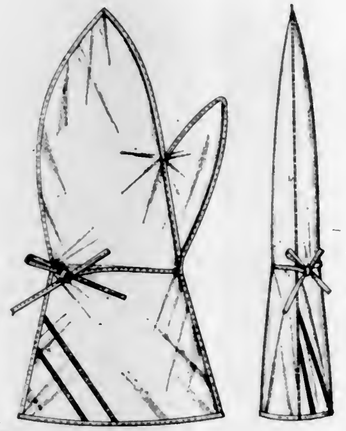
The ornamental design for a dress substantially as shown.

104,806
DESIGN FOR A STORAGE BATTERY CASE
Willard L. Reinhardt, Shaker Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application February 23, 1937, Serial No. 67,801
Term of patent 14 years



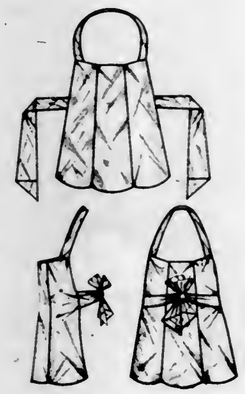
The ornamental design for a storage battery case substantially as shown and described.

104,807
DESIGN FOR A GLOVE PROTECTOR
Harvey B. Richards, Lake Bluff, Ill., assignor to Richards, Boggs & King, Inc., Chicago, Ill., a corporation of Illinois
Application February 27, 1937, Serial No. 67,894
Term of patent 7 years



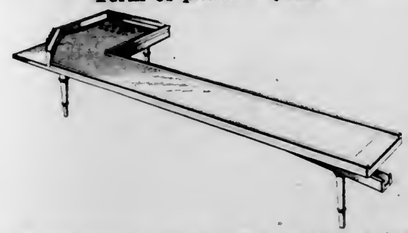
The ornamental design for a glove protector substantially as shown.

104,808
DESIGN FOR AN APRON
Harvey B. Richards, Lake Bluff, Ill., assignor to Richards, Boggs & King, Inc., Chicago, Ill., a corporation of Illinois
Application February 27, 1937, Serial No. 67,895
Term of patent 7 years



The ornamental designs for an apron substantially as shown.

104,809
DESIGN FOR A GAME TABLE
Charles F. Riebe, Charlo, Mont., assignor of one-third to Clyde J. Mast, Charlo, Mont.
Application April 6, 1937, Serial No. 68,587
Term of patent 7 years



The ornamental design for a game table, as shown.

104,810
DESIGN FOR A TEXTILE FABRIC
Charles H. Ross, Hickory, N. C.
Application April 9, 1937, Serial No. 68,650
Term of patent 3½ years



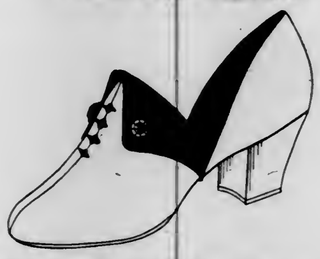
The ornamental design for a textile fabric, substantially as shown, and described.

104,811
DESIGN FOR A TEXTILE FABRIC
Charles H. Ross, Hickory, N. C.
Application May 10, 1937, Serial No. 69,251
Term of patent 3½ years



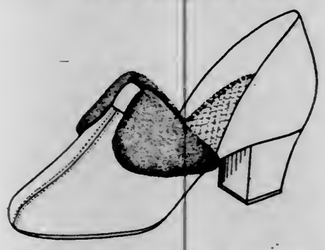
The ornamental design for a textile fabric, substantially as shown.

104,812
DESIGN FOR A SLIPPER
Oscar A. Saccal, Brooklyn, N. Y.
Application April 29, 1937, Serial No. 69,027
Term of patent 3½ years



The ornamental design for a slipper, substantially as shown.

104,813
DESIGN FOR A SLIPPER
Oscar A. Saccal, Brooklyn, N. Y.
Application April 29, 1937, Serial No. 69,028
Term of patent 3½ years



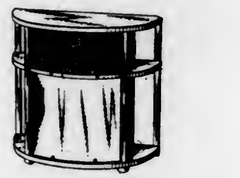
The ornamental design for a slipper, substantially as shown.

104,814
DESIGN FOR A LIPSTICK HOLDER
Louis A. Samstag, New York, N. Y., assignor to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of New York
Application March 18, 1937, Serial No. 68,260
Term of patent 7 years



The ornamental design for a lipstick holder as shown.

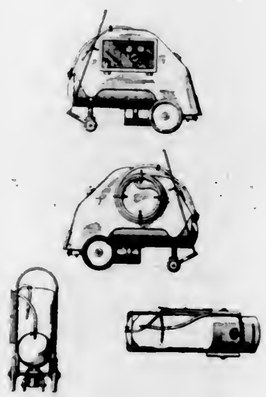
104,815
DESIGN FOR A COMBINATION HUMIDIFIER AND TABLE
Horace A. Sarvis, Lansing, Mich.
Application June 25, 1936, Serial No. 63,482
Term of patent 7 years





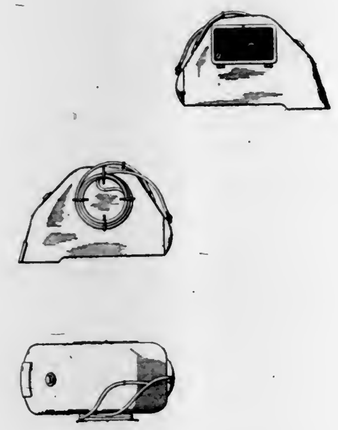
The ornamental design for a combination humidifier and table as shown.

104,816
DESIGN FOR A PORTABLE FIRE EXTINGUISHER
Jay Lawrence Seat, Fairfield, Conn.
Application September 18, 1936, Serial No. 64,915
Term of patent 3½ years



The ornamental design for a portable fire extinguisher, as shown.

104,817
DESIGN FOR A VEHICLE FIRE EXTINGUISHER BODY
Jay Lawrence Seat, Fairfield, Conn.
Application September 18, 1936, Serial No. 64,916
Term of patent 3½ years



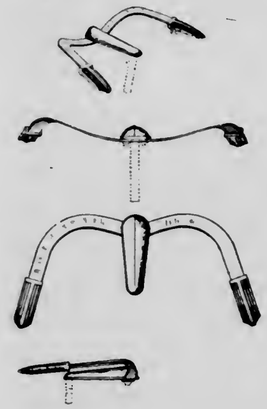
The ornamental design for a vehicle fire extinguisher body, as shown.

104,818
DESIGN FOR A SLIPPER
Max Shanzer, New York, N. Y.
Application April 29, 1937, Serial No. 69,023
Term of patent 3½ years



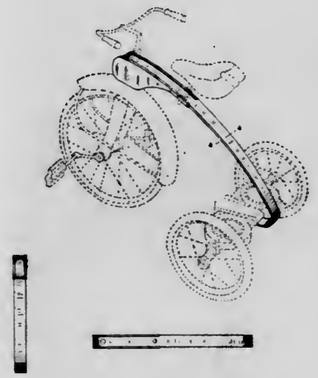
The ornamental design for a slipper, substantially as shown.

104,819
DESIGN FOR A VELOCIPEDE HANDLE BAR
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application March 22, 1937, Serial No. 68,347
Term of patent 14 years



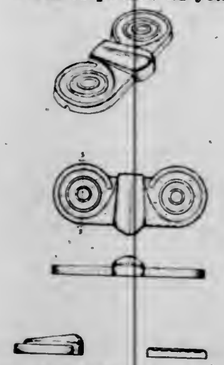
The ornamental design for a velocipede handle bar substantially as shown.

104,820
DESIGN FOR A VELOCIPEDE
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application March 22, 1937, Serial No. 68,348
Term of patent 14 years



The ornamental design for a velocipede substantially as shown.

104,821
DESIGN FOR A VELOCIPEDE STEP PLATE
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application March 22, 1937, Serial No. 68,349
Term of patent 14 years



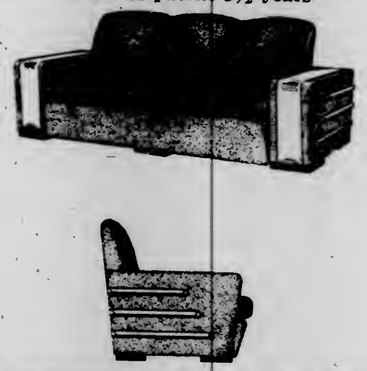
The ornamental design for a velocipede step plate substantially as shown.

104,822
DESIGN FOR AN AUTOMOBILE BODY
John W. Sparkman, Birmingham, Ala.
Application September 21, 1935, Serial No. 58,638
Term of patent 14 years



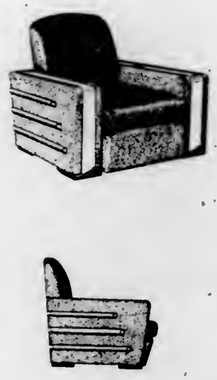
The ornamental design for an automobile body, substantially as shown and described.

104,823
DESIGN FOR AN UPHOLSTERED DAVENPORT
William L. Swearingen, Portland, Oreg.
Application March 17, 1937, Serial No. 68,211
Term of patent 3½ years



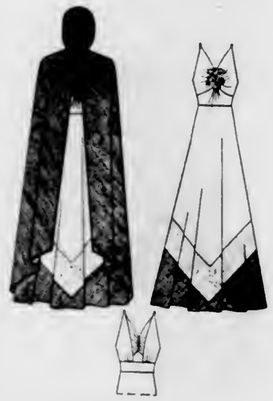
The ornamental design for an upholstered davenport as shown.

104,824
DESIGN FOR AN UPHOLSTERED CHAIR
William L. Swearingen, Portland, Oreg.
Application March 17, 1937, Serial No. 68,212
Term of patent 3½ years



The ornamental design for an upholstered chair as shown.

104,825
DESIGN FOR A DRESS ENSEMBLE
Edward N. Tunick, New York, N. Y.
Application April 29, 1937, Serial No. 69,029
Term of patent 3½ years



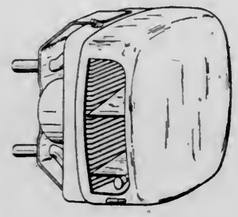
The ornamental design for a dress ensemble, substantially as shown, and described.

104,826
DESIGN FOR AN ILLUMINATING DEVICE
John A. Korengold, Chicago, Ill.
Application April 12, 1937, Serial No. 68,688
Term of patent 7 years



The ornamental design for an illuminating device, substantially as shown.

104,827
DESIGN FOR AN AUTOMOBILE HEATER OR SIMILAR ARTICLE
Edmund E. Hans, Detroit, Mich.
Application February 20, 1937, Serial No. 67,773
Term of patent 14 years



The ornamental design for an automobile heater or similar article substantially as shown and described.

Patents Nos. 2,082,772 to 2,083,535

THE OFFICIAL GAZETTE OF THE United States Patent Office

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June 8, 1937

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Labels	12—No.	49,394 to No.	49,405, inclusive.
Prints	7—No.	16,215 to No.	16,221, inclusive.
Reissues	13—No.	20,393 to No.	20,405, inclusive.
Plant Patents	2—No.	249 to No.	250, inclusive.
Patents	764—No.	2,082,772 to No.	2,083,535, inclusive.
Designs	85—No.	104,828 to No.	104,911, inclusive.
Total	1,103		

Interference Notices

U. S. Patent Office, *Washington, D. C., May 7, 1937.*

Frederick Newman, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications for patent of Frederick Newman, 735 North Wabash Ave., Chicago, Ill.; Walter A. Shick, 3522 Henritze Ave., Cleveland, Ohio; Carl W. De Weese, No. 3024 Tuxedo Ave., Parma, Ohio; and Forest H. Clickner, % Kraft-Phenix Cheese Corporation, 400 Rush St., Chicago, Ill., and a notice of the redeclaration thereof sent to said Newman at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Newman, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. Patent Office, *Washington, D. C., May 18, 1937.*

Altman Bros. & Freedman, their assigns or legal representatives, take notice.

An interference having been declared by this Office between the application of E. L. Barr, Sanger, California, for registration of a trade-mark and trade-mark registered February 17, 1925, No. 195,054, to Altman Bros. & Freedman, 743 Yale Avenue, Fresno, California, and it *prima facie* appearing in the record that the applicant herein, E. L. Barr, is unable to secure service upon said Altman Bros. & Freedman at the said address, notice is hereby given that unless Altman Bros. & Freedman, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Disclaimers

1,808,468.—*George Langford*, Joliet, Ill. Method of Making Rail Joint Bars. Patent dated June 2, 1931. Disclaimer filed May 5, 1937, by the assignee, *McKenna Process Company of Illinois*, the patentee joining and concurring.

Hereby enters this disclaimer to each of claims 1, 7, and 8 of said Letters Patent.

1,932,665.—*Raymond M. Hicks*, Plainfield, N. J., *Everett S. Leroy*, New York, N. Y., and *Frederick C. Collings*, Plainfield, N. J. Regenerative Repeater. Patent dated October 3, 1933. Disclaimer filed May 15, 1937, by the assignee, *The Teleregister Corporation.*

Hereby enters this disclaimer to the subject matter in claims 1, 7, 9, 16, 17, and 18.

2,018,678.—*Walter Eastby Lawson*, Woodbury, N. J. Isomerization of Rubber. Patent dated October 29, 1935. Disclaimer filed May 17, 1937, by the assignee, *E. I. du Pont de Nemours and Company.*

Hereby enters this disclaimer to claims 3, 4, and 5 of said specification.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,839,905, U. C. Tainton, Method of electrolysis, decided March 30, 1937, claim 1.

Pat. 1,871,383, R. A. Miller, Sound reproducing system, decided April 2, 1937, claims 1, 2, 3, 4, and 6.

Pat. 1,981,726, M. Gentzler, Tire chain, decided April 1, 1937, claim 9.

Pat. 2,045,479, H. J. Luff, Vacuum breaker, decided May 18, 1937, claims 6, 8, and 11.

Pat. 2,056,428, F. E. Jacobs, Garment holder, decided May 20, 1937, claims 1 and 2.

Condition of Applications Under Examination at Close of Business May 22, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 38,716; Trade-Mark Division, 1,960. Oldest new case, Nov. 25, 1936; oldest amended, Nov. 19, 1936.)
(The dates given are 1937 except where † indicates 1936)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 27	Feb. 24	498
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Jan. 8	Jan. 6	773
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Mar. 16	Mar. 3	455
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Feb. 19	Feb. 16	556
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Mar. 8	Mar. 10	554
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Jan. 29	Feb. 3	730
5725	7. JARBOE, C. G., Optics; Photography	Feb. 23	Feb. 23	880
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Feb. 26	Feb. 19	644
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Feb. 17	Feb. 9	471
6512	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Feb. 17	Mar. 6	404
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Feb. 25	Feb. 26	450
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	Jan. 29	Jan. 29	742
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 24	Feb. 24	490
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Feb. 25	Feb. 25	616
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 16	Feb. 16	952
5612	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 1	Feb. 1	710
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 27	Mar. 1	504
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 1	Jan. 23	487
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 9	Feb. 1	760
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 17	Feb. 20	490
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 23	Feb. 23	625
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 27	Feb. 27	543
7624	23. BUTTNER, W. J. (Act.), Registers (part)	†Dec. 28	†Dec. 22	213
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 9	Mar. 3	558
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 23	Feb. 23	466
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Feb. 26	Feb. 16	408
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Jan. 9	Jan. 13	723
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Feb. 23	Mar. 5	317
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Mar. 15	Mar. 15	452
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Jan. 12	Jan. 21	872
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Mar. 8	Feb. 25	445
4086	32. LESH, KARL (Act.), Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Feb. 18	Feb. 17	522
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Mar. 4	Mar. 1	656
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Mar. 5	Mar. 17	264
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Feb. 25	Jan. 25	612
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Feb. 27	Feb. 27	348
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Jan. 12	†Dec. 31	810
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Feb. 23	Feb. 23	571
4872	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	Feb. 23	Feb. 27	466
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 22	Jan. 22	1298
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	Feb. 4	Jan. 26	385
5882	42. CUTTING, H. O., Electric Signaling	Feb. 15	Feb. 10	510
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Feb. 22	Feb. 22	572
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Jan. 30	Jan. 29	643
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Jan. 28	Jan. 21	739
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Mar. 1	Mar. 1	404
6082	47. BARKER, H., Clutches; Brakes	Mar. 6	Mar. 18	453
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Feb. 24	Feb. 24	514
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 1	Mar. 3	506
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Feb. 23	Feb. 23	658
5628	51. BACKUS, C. D., Radiant Energy	Feb. 17	Feb. 17	781
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Feb. 27	Mar. 4	631
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 21	Jan. 23	982
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Mar. 30	Apr. 2	353
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Dec. 17	†Dec. 15	959
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making	Jan. 22	Jan. 25	817
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	†Nov. 25	†Nov. 19	681
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 23	Feb. 27	343
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Mar. 3	Mar. 3	519
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Jan. 13	Jan. 13	529
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Feb. 17	Feb. 6	417
3876	62. PUGH, E. C., Games; Geometrical Instruments	Feb. 26	Feb. 27	443
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Feb. 16	Feb. 15	513
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel	Feb. 23	Feb. 23	896
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Dec. 31	†Dec. 24	627
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks	Apr. 22	May 7	1566
	Labels and Prints	Apr. 22	May 7	394
2605	Designs, H. H. KALUPY	Apr. 27	May 5	531

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

McKEE *v.* NOONAN

No. 3,705. Decided December 21, 1936

[86 F.(2d) 986]

INTERFERENCE—PRIORITY—RIGHT TO MAKE CLAIMS.

Record reviewed and *Held* that certain limitations in the counts are material and constituted new matter in the application of N. and that priority should have been awarded to McK.

APPEAL from the Patent Office. Reversed.

LENROOT, *J.*, dissenting.

Mr. Fred Gerlach and *Mr. Norman H. Gerlach* for McKee.

Messrs. Kwis, Hudson & Kent for Noonan.

BLAND, *J.*:

This is an appeal by Garnet W. McKee from a decision of the Board of Appeals of the United States Patent Office, awarding priority of invention to Thomas F. Noonan, and reversing an award of priority to McKee by the Examiner of Interferences.

The interference involves five counts which were claims of the Noonan Patent No. 1,860,263 for a meter bar connection, which claims were inserted into the application for reissue of Patent No. 1,838,778 of McKee.

The invention relates to devices for connecting gas meters to service pipes and comprises a cross-bar in which sleeves are rotatably mounted, the sleeves having screw-threads at their upper ends for connection to the service pipes, and swivels for connection to the meter and screw-threaded to the sleeves.

Count 1 is illustrative of all the counts and follows:

Count 1. In a meter connection, the combination of a rigid bar adapted to extend substantially horizontally and provided at the ends thereof with substantially cylindrical sockets extending transversely therethrough, a pair of substantially cylindrical sleeve members provided with screw threads whereby they may be connected to the ends of a pair of gas pipes, *said sleeve members being so constructed and arranged as to be insertable axially into said sockets by shifting the bar towards the gas pipes*, and shaped to fit in said sockets, means for holding said members against axial displacement with respect to the bar *after insertion into the sockets*, and coupling nipples connected to and depending from the sleeve members and provided with means at the lower ends thereof for connection to the tubes of the meter.

The critical part of count 1 with which we are here concerned has been italicized. In somewhat different language each of the other counts contains a similar clause relating to the manner of construction and the resulting adaptability for installation. This feature of the counts first appeared in the single claim of the McKee patent. After issuance of the McKee patent, with its single claim, Noonan, while his application was pending, amended his specification and inserted the claims which are the counts at bar, and in order to secure their allowance stated to the Patent Office that his structure was different from that of McKee and pointed out the difference. He stated that his construction and mode of operation was "specifically, and very importantly, different from that of McKee."

The Examiner of Interferences, in awarding McKee priority of invention in the counts at bar, stated:

While the counts in their present form are taken from the Noonan patent, the record clearly shows that their actual source is the McKee Patent Number 1,838,778, this being the patent sought to be reissued by the McKee application here involved. This origin of the counts is apparent upon comparing them with the single claim of the McKee patent and is, moreover, expressly admitted in the first complete paragraph on page 8 of the amendment filed April 9, 1932, in the Noonan case, this being the amendment by which the counts were inserted. It is especially to be noted that the limitation which forms the principal point of contention here, namely *the statement that the sleeves may be screwed onto the gas pipes and the bar then moved up to them*, originated with McKee. In view of this fact it seems clear that, although the counts appear in the Noonan patent, they must be construed in the light of the McKee case (*Cox v. Headley and Thompson*, 275 O. G. 419, 1920 C. D. 183; *Beatie v. Pollock*, 488 O. G. 5). [Italics ours.]

After reciting other Patent Office action, the Examiner of Interferences further stated:

It follows that the Primary Examiner has, in effect, held twice that Noonan cannot make the counts and once that he can. This would seem to indicate that Noonan's right to make them is at least doubtful and it is the general rule that doubts should be resolved against a party who seeks to appropriate matter first claimed by another (*Lindley v. Shepherd*, 1928 C. D. 97, 370 O. G. 513; *Steenstrup v. Morton*, 1929 C. D. 153, 382 O. G. 571).

The Examiner of Interferences called attention to the fact that McKee secured the allowance of his original claim over Noonan (before Noonan made the amendment and added the additional claims, McKee having been in an interference with the Noonan application) largely on the strength of the importance he attached to the functional allusion to the method of assembly, and furthermore stated that if the functional limitation be ignored, the McKee claim will read directly on the prior art. The Examiner of Interferences then concluded that under such circumstances, when the question of the right of Noonan to make the claims was the issue, the limitation with reference to the method of assembly could not be ignored. On the proposition that functional limitations in apparatus claims must be considered as material he cited the following authorities: *Thomson Meter Co. v. National Meter Co.*, 106 Fed. 519; *Masseth v. Larkin et al.*, 111 Fed. 409; *E. & H. T. Anthony Co. v. Gennert*, 108 Fed. 396; *Regent Mfg. Co. et al. v. Penn Electrical & Mfg. Co.*, 121 Fed. 80; and *E. H. Freeman Electric Co. v. Weber Electric Co.*, 262 Fed. 769 (affd. 256 U. S. 668).

It seems to us that the whole question depends upon whether or not Noonan's added claims and the amendment of the specification, descriptive of how the attachment is made, was new matter. This question depends upon what Noonan's original application disclosed, since the right to make claims, even in a patent, must depend upon the original disclosure thereof. *Pohle v. McKnight*, 1905 C. D. 549.

We agree with the Examiner of Interferences that Noonan's case fails to suggest in any way the manner of assembly suggested in the counts at bar. An entirely different method is stated in his speci-

fication. His description of the mode of operation contains many numerals and references to various portions of the meter bar and the pipes and is recited at such length that quotation here is not advisable. However, we think he constructed his device with the intention that the sleeve was placed in the bar at the time it was fabricated, and that not only was there a failure of suggestion of removability or adaptability for insertion by the gas fitter at the time of installing the meter, but he specifically stated in his specification:

> • • • A spline pin 21 in the ring 18 engages a peripheral groove 22 in the head 15 to hold the latter against endwise movement.

The pin there referred to is shown in Noonan's patent drawing and is also shown in Noonan's Exhibit B, which is a drawing from which Noonan's last model was made. The drawing shows a hexagonal shoulder at the lower end of the sleeve and a pair of pins for holding the sleeve in the bar. The pins are not of the character that are ordinarily intended to be removed. No provision is made for removing them and they are so finished that the ends of the pins showing on the sides of the bar are flush with the surface of the same.

Appellant in this court contends that Noonan's drawing inherently discloses a fitting which does not have the capacity of being assembled according to the requirements of the counts and, there being no description of such capacity in the original specification, Noonan has no right to make the counts.

Noonan argues first that it is immaterial whether the pin can be removed or not; second, that the pin does not have to be a tight fit and that the pin might be inserted when the meter is being installed.

Concerning Noonan's amendments and the effect of the pins in the Noonan structure above referred to, the Examiner of Interferences said:

> Under the circumstances, it seems evident that the amendment filed by Noonan after he had seen McKee's patent and containing a disclosure of the new method of assembly involved new matter. The mere disclosure of an apparatus does not entitle an applicant to describe and claim every way in which it might conceivably be used. As stated in *In re Manson*, 238 O. G. 1641, 1917 C. D. 152, an applicant whose device, in performing its intended function, might or might not carry out a given method is not entitled to amend his case by describing and claiming such method. In the present case it is obvious that Noonan's fitting may achieve the purpose for which it is intended without the employment of the method indicated in the counts; in fact the method described in his original specification is completely at variance with that set forth in the counts. It is believed to be clear, therefore, that Noonan is not entitled to claims to the method of assembly which consists in securing the sleeves to the gas pipes before they are inserted in the sockets of the bar. *Consequently, if the counts are limited to such a method, he cannot make them even if his device is physically capable of use in the manner contemplated by the counts. For reasons already given, it would appear that the counts should be construed as so limited.* [Italics ours.]

Assuming, however, that the counts require nothing more than a device having the capacity of being assembled in the suggested manner, it is still necessary to show that the pins 21 of Noonan are susceptible of being removed and replaced at the time of assembly. There is clearly no express disclosure of such removability and there is nothing in the described method of assembly which would require that the pins be loose or removable. Consequently, the capacity for assembly in the manner set forth in the counts is not necessarily inherent in Noonan's original disclosure. Even if this disclosure be construed in the most favorable light, the device produced by a mechanic following it would be quite as likely to have fixed pins as removable ones. Accordingly, in view of *In re Manson*, supra, Noonan is not entitled to claims based on the assumption that his pins must be loose.

There are, moreover, some very persuasive reasons for holding that the Noonan disclosure is inconsistent with the idea that the pins are to be loose. In the first place, Sauser, the draftsman who made the drawing of the Noonan application, testifies that it shows the pin 21 as fixed in its bearing and that, in the device from which he made the drawing, the pin was so fixed. He points out that the ends of the pin are so finished as to be flush with the surface of the bearing. It does not seem reasonable that a pin which was designed to be removed and replaced on the job would have this form. It would be extremely difficult, in driving such a pin, to position it in such a manner that, when driven, it would assume the exact position shown in Noonan's drawing. Further, the shape of the ends would, as pointed out by two witnesses (Sauser, XQ's 20, 22; Olsen Q. 74) make the removal of the pin with a center punch extremely difficult. It seems clear, therefore, that the drawing, as stated by Sauser, shows a pin which is inserted once and for all and the ends of which are shaped, after its insertion, to conform with the housing. It is quite inconsistent with the idea that the pin is to be removed.

In much of what the Examiner of Interferences has said, which is above quoted, we agree. In this case, however, under our view, it is not necessary to go as far as the Examiner of Interferences did in the above-italicized language. In other words, if the Noonan structure inherently showed the method of operation prescribed by the counts, his claims and specification not mentioning it, a different question would be presented.

We are of the opinion that the Noonan device as originally disclosed was not intended to be assembled as the counts called for, that such a mode of assembly is not inherent in such a structure, and that the said amendments that were made constituted new matter. There is considerable testimony in the record which the Examiner of Interferences has well discussed, and we do not need to discuss it here. Some of McKee's testimony goes to the question of the difficulties in attempting to assemble the Noonan device as required by the counts. To say the least, the testimony discloses that it would be impracticable and obviously unsatisfactory to assemble the Noonan device as called for by the counts. It is pointed out by some of the witnesses that it would be inconvenient to do so, and that injury would flow from the hammering incident to the insertion or removal of such a pin. It must be remembered that the pin in the Noonan construction has a finished end which is flush with the surface of the bar. The pin has the characteristics of permanency rather than removability.

Under the circumstances of this case, we think the functional limitations may not be ignored as was done by the Board in reversing the decision of the Examiner of Interferences. The Board was of the opinion that the "clause concerning capability or order of assembly" of the device was not material, and that such an order of assembly was obviously true in the Noonan device. The Board stated:

> • • • We are not convinced but that the pins shown by Noonan although beveled on their ends might not be easily removed by any one of ordinary mechanical skill. It is further to be observed that the order of assembly is merely a reference to a capability and not a definite or positive limitation even of an order of assembly.

We think the record clearly shows that the Board is in error with reference to the mode of assembly of the device by Noonan or the capabilities of its being assembled in accordance with the counts.

On the question as to whether certain kinds of functional limitations in the counts may be ignored, the authorities cited by the Examiner of Interferences seem to be quite pertinent, but it will not be necessary to discuss them all. All the cases cited are equity cases, involving the question of infringement. It has frequently been pointed out that in the interference practice in the Patent Office, for reasons which are obvious, the tribunals do not always, in their interpretation of counts, employ the same rules as do the courts in equity, where the infringement of claims is involved. Nevertheless, if the so-called functional limitations being considered by the courts in the above-cited cases were material and essential and should not be ignored, we can see no reason why, under the peculiar and rather exceptional statement of facts at bar, the limitation now under consideration should have been ignored by the Board of Appeals in arriving at its conclusion. See *Macfarren* v. *Morgan*, 58 App. D. C. 77, 24 F.(2d) 1003, 375 O. G. 209.

In *Thomson Meter Co.* v. *National Meter Co.*, supra, the claim of a patent for a disk water meter alleged to have been infringed contained the functional clause "whereby the impact of the inflowing current upon the disk is decreased, substantially as set forth." In holding this limitation to be such a one that it could not be disregarded and that it was material, the court said:

> • • • All the experts except Mr. Benjamin agree that the words in the claim in suit "whereby the impact of the inflowing current upon the disk is decreased" mean that the impact in the Thomson meter is less than that in the prior Thomson & Lambert meter. Mr. Benjamin practically contends that these words must be eliminated from the claim. If the former meaning be adopted, the defendant's construction does not infringe; for it increases impact, as compared with Thomson & Lambert. The construction contended for by Mr. Benjamin cannot be adopted, because, as a matter of law, it is settled that such a specific statement of function thus inserted into a claim as material cannot be disregarded.

The court then cited the case of *Computing Scale Co.* v. *Keystone Store-Service Co.*, 88 Fed. 788, in which a claim containing the functional clause "whereby the pivotal supports of the beam and rod, *c*, may be brought into alignment, as and for the purpose described," was held to be material and said:

> The insertion of these words meant something, and they must be given due weight. The construction we adopt accords them meaning. That of complainant ignores their presence, and makes nonessential what the patentee and the Office have deemed material and essential.

In *E. & H. T. Anthony Co.* v. *Gennert*, supra, the Circuit Court of Appeals, Third Circuit, had under consideration the materiality of the limitation in a claim relating to a photographic shutter, which claim contained the limitation: "whereby they are enabled to fold back into the case side by side." Concerning this limitation the court said:

> • • • It will thus be seen that the only device disclosed by the patent is one where the means and relations suggested result in the functional limitation that the wings "are enabled to fold back into the case side by side." In the respondent's device we find four sectional wings, but in different relations to each other from those of the patent in suit. One set of wings is pivoted at the upper and one at the under side of the lens opening. Both sets have nonmedian centers of motion. The wings do not move by engaging each other, and effect the functional result incident to every sectional shutter, viz. exclusion of light; but when they open to admit light they do it in a wholly different way from the patented device. The sets of wings, instead of folding back into the case side by side, withdraw from each other to the four corners. Both pivoting and relation of parts are such that the wings cannot fold back side by side, and effect the expressed purpose of the patent, viz. "when the shutter opens, the wings B, B, close back in the same space occupied by the wings A, A." To ignore the express functional limitation of the claim, viz. "whereby they are enabled to fold back into the case side by side," would be to create a new claim; not interpret the one granted. • • •

The other cases cited by the Examiner of Interferences, and others to which reference might be made, are to the same effect.

Believing the said limitations in the counts at bar to be material, and that the said amendments constituted new matter in the Noonan application, we must reverse the decision of the Board of Appeals and award priority of invention of the subject matter of the counts at bar to Garnet W. McKee, the appellant.

Reversed.

LENROOT, *J.*, dissents.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,304,473, J. C. Glenzer, Drill and tap driver; 1,863,107, same, Tool driver, D. C., E. D. Mich. (Detroit), Doc. 5961, *J. C. Glenzer et al.* v. *A. R. Gross et al.* (*Gross & Heming*). Consent decree for plaintiff April 2, 1937.

1,470,723. (See 1,937,561.) 1,504,140. (See 1,888,143.)

1,622,957. (See Re. 18,841.) 1,723,073. (See 1,888,143.)

1,760,411. (See 1,881,276.) 1,821,470. (See 1,881,276.)

1,854,552, M. M. Leftwich, Method of setting rules for printing; 1,963,411, same, Plate for line printing and method of producing same, filed Mar. 23, 1937, D. C., S. D Calif., C. Div., Doc. E 1134–S, *M. M. Leftwich* v. *Jenkins Bros. Co. et al.*

1,863,107. (See 1,304,473.)

1,881,276; W. E. Humphrey, Method of fabricating beads for pneumatic tires; 1,821,470, same, Bead-forming mechanism; 1,760,411, same, Bead cutting mechanism, D. C., N. D. Ohio, E. Div., Doc. 5112, *The Mason Tire & Rubber Corp.* v. *The B. F. Goodrich Co.* Dismissed April 1, 1937.

1,888,143, 1,723,073, L. Poll, Planting machine; 1,504,140, same, Celery planter, D. C., W. D. Mich., S. Div., Doc. E 2730, *L. Poll* v. *Hamilton Mfg. Co.* Bill and cross-bill dismissed April 3, 1937.

1,903,106. (See 1,937,561.)

1,913,604, 2,022,514, W. A. MacDonald, Wave signaling system, filed Mar. 25, 1937, W. D., E. D. Mich. (Detroit), Doc. 7967, *Hazeltine Corp.* v. *Detrola Radio & Television Corp.*

1,922,133, H. S. Houglom, Windshield heater for motor vehicle; 2,048,217, M. Peterson, Windshield heater, D. C., N. D. Ill., E. Div., Doc. 15390, *M. Peterson* (*Liberty Mfg. Co.*) v. *A. Schwechter* (*Ajax Mfg. Co.*). Patents held infringed, injunction Jan. 7, 1937.

1,922,291. (See Des. 64,352.)

1,935,486, H. T. Schiff, Lighter; 1,937,249, same, Pocket lighter, D. C., N. D. Ill., E. Div., Doc. 13664, *H. T. Schiff et al.* v. *B. Hubschman et al.* (*Federal Diamond Brokers*). Dismissed for want of prosecution Oct. 30, 1936.

1,937,249. (See 1,935,486.)

1,937,561, W. R. Gillies, Method of making waterproof heat insulating tape; 1,903,106, same, Waterproof heat insulating tape; 1,470,723, same, Heat insulating tape, D. C., N. D. Ill., E. Div., Doc. 13764, *Union Asbestos & Rubber Co.* v. *Keasbey & Mattison Co.* Dismissed without prejudice by stipulation Jan. 30, 1937.

1,945,734. H. R. Cullmer, Door lock and framing; 2,060,283, same. Elevator car control, filed Mar. 30, 1937. D. C., E. D. N. Y., Doc. E 8266, *Elevator Appliance Co., Inc., et al.* v. *E. Brooks et al.*

1,963,411. (See 1,854,552.) 1,993,173. (See Re. 20,133.)

2,020,211, J. P. Quam, Loud speaker; 2,020,212, same. Method of making dynamic speakers; D. C., N. D. Ill., E. Div., Doc. 15283, *Quam-Nichols Co.* v. *Oxford Tartak Radio Corp.* Consent decree holding patents valid and infringed, injunction Jan. 20, 1937. Doc. 15514, *Quam-Nichols Co.* v. *Consolidated Radio Products Co.* Decree as above Jan. 25, 1937.

2,020,212. (See 2,020,211.) 2,022,514. (See 1,913,604.)

2,048,217. (See 1,922,133.) 2,048,438. (See Des. 96,230.)

2,048,474. (See Des. 96,230.) 2,058,159. (See Re. 20,133.)

2,060,283. (See 1,945,734.) 2,064,443. (See Re. 20,133.)

Re. 18,123, Re. 18,278, W. L. Morris, Grease feeder, filed Feb. 11, 1937, D. C., N. D. Ill., E. Div., Doc. 15536, *Stewart-Warner Corp. et al.* v. *Service Mfg. Co. et al.*

Re. 18,278. (See Re. 18,123.)

Re. 18,841 (of 1,622,957), J. Mayer, Hair waving method, filed Mar. 5, 1937, D. C. Del., Doc. E 1203, *Eugene, Ltd.*, v. *The Philad Co.* Same, D. C. Minn., 4th Div., Doc. E 2948, *The Philad Co.* v. *Paul's, Inc.* Consent decree for plaintiff of Feb. 9, 1937, vacated, and amended consent decree with provision for injunction entered Feb. 25, 1937. Same, D. C., N. D. Calif. (San Francisco), Doc. E 3976–S, *The Philad Co.* v. *Baker Mfg. Co.* Consent decree holding patent valid and infringed Mar. 12, 1937.

Re. 20,133, 1,993,173, P. H. Kuyper, Venetian blind construction; Des. 98,260, same, Combined Venetian blind and housing therefor; 2,058,159, same, Venetian blind structure; 2,064,443, H. Moore, Venetian blind, filed Jan. 4, 1937, D. C., N. D. Ill., E. Div., Doc. 15493, *Kolscreen Co.* v. *Chicago Venetian Blind Co.*

Des. 64,352, Re. 64,972, A. Hargraves, Resilient tires; 1,922,291, same, Balloon tire, D. C., N. D. Ill., E. Div., Doc. 14749, *The Firestone Tire & Rubber Co. et al.* v. *Delco Tire Co., Inc.* Consent decree holding infringement, injunction Jan. 23, 1936.

Des. 64,972. (See Des. 64,352.)

Des. 90,346, J. C. Stedman, Lunch house; Des. 90,391, same, House; Des. 92,565, same, Lunchroom kitchen cabinet, D. C., E. D. La. (New Orleans), Doc. E 380, *The National Toddle House Corp.* v. *J. Gurtner et al.* Dismissed without prejudice Mar. 22, 1937.

Des. 90,391. (See Des. 90,346.) Des. 92,565. (See Des. 90,346.)

Des. 96,230, 2,048,438, A. T. Ecklund, Mat; 2,048,474, L. F. Schumacher, same, filed Jan. 16, 1937, D. C., N. D. Ill., E. Div., Doc. 15521, *A. T. Ecklund et al.* v. *Mandel Bros.*

Des. 98,260. (See Re. 20,133.)

Des. 101,863, Des. 102,183, Des. 102,184, H. Felmann, Lady's hand bag, filed Mar. 24, 1937, D. C., N. D. Ill., E. Div., Doc. 15578, *Morris, Mann & Reilly, Inc.*, v. *S. M. & R. Co., Inc.* Doc. 15579, *Morris, Mann & Reilly, Inc.*, v. *S. P. Platt.* Doc. 15577, *Morris, Mann & Reilly, Inc.*, v. *Morris Levy & Co.*

Des. 102,183, Des. 102,184, H. Felmann, Lady's hand bag, filed Mar. 5, 1937, D. C., N. D. Ill., E. Div., Doc. 15555, *Morris, Mann & Reilly, Inc.*, v. *M. Kritog.*

Des. 102,183. (See Des. 101,863.)

Des. 102,184. (See Des. 101,863 and Des. 102,183.)

T. M. 42,919, W. A. Gaines & Co., Whiskey; T. M. 333,907, The American Medicinal Spirits Co., same; T. M. 333,908, T. M. 333,909, The Hellman Co., same, filed Feb. 24, 1937, D. C., N. D. Ill., E. Div., Doc. 15543, *National Distillers Products Corp.* v. *Atlas Distilled Products, Inc.*

T. M. 54,931, Cadillac Automobile Co., Automobile; T. M. 113,351, Cadillac Motor Car Co., Motor vehicles and parts thereof; T. M. 226,207, T. M. 201,694, General Motors Corp., Automobile, D. C., N. D. Ill., E. Div., Doc. 13889, *General Motors Corp.* v. *Pete Wreck's Auto Service, Inc.* Dismissed for want of prosecution Dec. 15, 1936.

T. M. 113,351. (See T. M. 54,931.)

T. M. 191,941, T. M. 228,597, Cellucotton Products Co., Absorbent pads or sheets for removing cold cream, D. C., N. D. Ill., E. Div., Doc. 13544, *Kleenex Co. et al.* v. *L. J. Belgrade (Kremex Laboratories)*. Defendant enjoined from using name "Kreemex" Nov. 25, 1936.

T. M. 201,694. (See T. M. 54,931.)

T. M. 226,207. (See T. M. 54,931.)

T. M. 228,597. (See T. M. 191,941.)

T. M. 281,291, Chicago Flexible Shaft Co., Electric food mixers; T. M. 283,524, same, Electric clippers and animal shears; T. M. 291,281, same, Combined electric cigarette lighter and dispenser; T. M. 297,079, same, Electric sad-iron; T. M. 297,388, same, Electric animal shears and parts thereof; T. M. 320,296, same, Combined slicer, shredder and dicer; T. M. 327,314, same, Food mixer, fruit juice extractor, mayonnaise maker, etc.; T. M. 328,171, same, Electrical coffee maker and parts thereof; T. M. 339,993, same, Safety shaving device and blades therefor; T. M. 338,878, W. T. Stopford, Razor, and blades, filed Mar. 13, 1937, D. C., N. D. Ill., E. Div., Doc. 15563, *Chicago Flexible Shaft Co.* v. *Shave-Master, Inc.*

T. M. 283,524. (See T. M. 281,291.)

T. M. 291,281. (See T. M. 281,291.)

T. M. 294,029, T. M. 330,084, The Chattanooga Medicine Co., Liver cathartic and laxative medicine, filed Mar. 29, 1937, D. C., N. D. Ill., E. Div., Doc. 15586, *The Chattanooga Medicine Co.* v. *Prairie Drug Co. et al.*

T. M. 297,079. (See T. M. 281,291.)

T. M. 297,388. (See T. M. 281,291.)

T. M. 320,296. (See T. M. 281,291.)

T. M. 327,314. (See T. M. 281,291.)

T. M. 328,171. (See T. M. 281,291.)

T. M. 330,084. (See T. M. 294,029.)

T. M. 333,907. (See T. M. 42,919.)

T. M. 333,908. (See T. M. 42,919.)

T. M. 333,909. (See T. M. 42,919.)

T. M. 338,878. (See T. M. 281,291.)

T. M. 339,993. (See T. M. 281,291.)

Changes in Classification

Order No. 3,396, May 18, 1937, directs:

In *class 42, Firearms* (Division 22), abolish the following subclass with its definition:

Toy

56 Liquid throwing.

The patents formerly contained in the above subclass have been placed for the most part in class 221, Dispensing, subclass 31.5, established in this order.

In *class 221, Dispensing* (Division 35), establish the following subclass:

31.5 **Liquid throwing toy firearms.**

The patents contained in the above subclass have been taken for the most part from class 42, Firearms, subclass 56, abolished in this order.

In *class 272, Amusement and Exercising Devices* (Division 57), in the note following the definition of subclass 27 change "class 42, Firearms, subclass 56" to read *class 221, Dispensing, subclass 31.5.*

In *class 178, Telegraphy* (Division 16), abolish the following subclasses with their definitions:

Systems
Automatic
Facsimile
7 Photographic recorder,
Multiple pen
9 Lettering.

The patents formerly contained in subclass 7 have been placed for the most part in subclasses hereinafter established, and the patents formerly contained in subclass 9 have been placed for the most part in class 178, subclass 8.

In *class 178, Telegraphy* (Division 16), establish the following subclasses and definitions:

Systems
Automatic
Facsimile
5.2 Natural color
5.4 Transmitters or receivers.
5.6 With sound or message
5.8 Transmitters or receivers.
Optical
6.5 Stereoscopic.
6.6 With recorder
6.7 Photographic.
6.8 With discharge device having movable scanning ray,
7.1 Transmitters
7.2 With discharge device having movable scanning ray,
7.3 Receivers
7.4 With photographic recorder,
7.5 With discharge device having movable scanning ray,
7.6 Scanning devices
7.7 Discharge device having movable scanning ray.

5.2. Systems under subclass 5 specially designed to transmit and reproduce in natural colors.
(1) Note.—Where only different shades of the same color are involved, the patents are in this class, subclass 5, or in other subclasses indented thereunder.
(2) Note.—The use of plural colors to produce stereoscopic effects is in this class, subclass 6.5.
(3) Note.—For color motion picture apparatus, see class 88, OPTICS, subclass 16.4, and for other color photography, see class 95, PHOTOGRAPHY, subclasses 2 and 81.5.
(4) Note.—See class 209, CLASSIFYING, SEPARATING AND ASSORTING SOLIDS, subclass 111, for assorting articles according to color by optical means.

5.4. Either transmitters or receivers claimed alone limited to use in the systems of subclass 5.2.

5.6 Systems under subclass 5 having means for transmitting and receiving sound or other intelligence simultaneously or successively with the facsimile signal.
(1) Note.—Other multiplex or composite signalling systems are in this class, subclasses 49–61; class 179, TELEPHONY, subclasses 2, and indented subclasses, and 15; and class 250, RADIANT ENERGY, subclass 9.
(2) Note.—See class 88, OPTICS, subclass 16.2, for motion picture apparatus combined with sound producers.

5.8 Either transmitters or receivers claimed alone limited to use in the systems of subclass 5.6.

6.5 Systems under subclass 6 specially constructed to produce the illusion of three dimensions or relief in the reproduced facsimile.
(1) Note.—Transmitters or receivers per se limited to such systems are in this subclass.
(2) Note.—Systems for physical relief reproductions are in this class, subclasses 5, 6.6 and 8–14.
(3) **Search Class**—
88—OPTICS, subclass 16.6, for stereoscopic motion picture apparatus, and subclass 29, and indented subclasses, for stereoscopes; and class 95, PHOTOGRAPHY, subclass 18, for stereoscopic cameras.

6.6 Systems under subclass 6 having means for making a permanent record. The record may be a facsimile or may be a code record (as a perforated tape) capable of use in producing a facsimile.
(1) Note.—For automatic facsimile systems of the non-optical type having recorders, see this class, subclasses 5 and 11–14.
(2) Note.—See class 179, TELEPHONY, subclass 100.1, and indented subclasses, for electrical means for recording and reproducing sound.
(3) Note.—For recorders per se of general application, see class 234, RECORDERS, particularly subclasses 59–77.

6.7. Systems under subclass 6.6 having a photographic recorder.
(1) Note.—See this class, subclass 7.4, for optical facsimile receivers, and subclasses 15 and 90, for non-facsimile receivers having a photographic recorder.
(2) Note.—See class 95, PHOTOGRAPHY, for photographic apparatus of general utility.
(3) Note.—See class 234, RECORDERS, subclass 60, and indented subclass, for photographic recorders of general utility.

6.8. Systems under subclass 6 in which there is at either the transmitter or receiver or both a ray generator in which the ray generated is moved by the direct action of an electrostatic or an electromagnetic field on the ray to cause scanning, or in which the ray is generated and moved by a voltage anti-node.
(1) Note.—If the above is present, there may be in addition other means to cause motion of the ray.
(2) Note.—For transmitters, receivers and scanning devices per se of this character, see this class, subclasses 7.2, 7.5, and 7.7, respectively.
(3) Note.—For cathode ray galvanometers, see class 171, ELECTRICITY, GENERATION, subclass 95.
(4) Note.—See class 250, RADIANT ENERGY, subclass 27.5, for electric discharge device structure.

7.1 Automatic optical facsimile transmitters limited to use in systems of the kind defined in subclass 6. In this subclass are placed instruments which are convertible for use as either a transmitter or receiver and combinations of transmitter and receiver for use in two-way transmission. If the signals are transmitted from the transmitter to the receiver it is a system for subclasses above.
(1) Note.—Color transmitters are in this class, subclass 5.4; combined with sound or message, in subclass 5.8, and stereoscopic in subclass 6.5.
(2) Note.—For automatic non-optical facsimile transmitters, see this class, subclasses 5 and 8–14.
(3) Note.—For automatic non-facsimile transmitters, see this class, subclass 17, and indented subclass.
(4) Note.—For non-automatic facsimile transmitters, see this class, subclasses 18, and indented subclasses, and 21.
(5) Note.—For non-automatic, non-facsimile transmitters, see this class, subclass 79, and indented subclasses.

7.2. Transmitters under subclass 7.1 of the kind defined in subclass 6.8.

7.3. Automatic optical facsimile receivers limited to use in systems of the kind defined in subclass 6.
(1) Note.—Instruments of this kind convertible to or combined with a transmitter are in this class, subclass 7.1, and indented subclass.
(2) Note.—Natural color receivers are in this class, subclass 5.4; receivers combined with sound or message receiving means in subclass 5.8, and stereoscopic receivers in subclass 6.5.
(3) Note.—Automatic non-optical facsimile receivers are in this class, subclasses 5 and 8–14.
(4) Note.—Automatic non-facsimile receivers are in this class, subclass 17, and indented subclass.
(5) Note.—Non-automatic facsimile receivers are in this class, subclasses 18, and indented subclasses, and 21.
(6) Note.—For non-automatic, non-facsimile receivers, see this class, subclasses 25, and indented subclasses, and 36, and indented subclass, for printing receivers, 62, for chemical receivers, and 88, and indented subclasses, for other receivers.

7.4. Receivers under subclass 7.3 having a photographic recorder.
Note.—See this class, subclass 6.7, and the notes thereunder.

7.5. Receivers under subclass 7.3 of the kind defined in subclass 6.8.
Note.—See the notes under subclass 6.8 of this class.

7.6. Automatic optical scanning devices limited to use in either transmitters or receivers of the type provided for in subclass 7.1 or 7.3. In this subclass are Nipkow discs and Weller wheels.
(1) Note.—This subclass has devices claiming only means to cause the optical ray to traverse a surface. Additional features limiting the same to transmission or reception cause classification above.
(2) Note.—For non-optical telegraphic scanners, see appropriate subclasses of this class.
(3) Note.—Complete the search in this class, subclasses 5.2, and indented subclass, 5.6, and indented subclass 6 to 6.7, 7.1, 7.3 and 7.4.

7.7. Devices under subclass 7.6 of the type defined in subclass 6.8, where no transmission or reproduction features are claimed.
Note.—Complete the search in this class, subclasses 6.8, 7.2, and 7.5.

The patents contained in the above subclasses have been taken for the most part from class 178, subclasses 5, 6, 11, 13 and 69.5, and also from subclasses 7 and 9, abolished in this order.

In *class 178, Telegraphy* (Division 16), change the title and definition of subclass 10 to read as follows:

Systems
Automatic
Facsimile
Multiple pen
10 Type transmitter.

10. Automatic systems under subclass 8, for producing a facsimile of letters in Roman or other characters which employ metal type in transmitting.

In *class 178, Telegraphy* (Division 16), subclass 3, abolish the notes following the definition and substitute therefor the following:

(1) Note.—This subclass and those indented hereunder are for systems in which the transmitting means is controlled by some character of record, which record is frequently a natural scene, particularly in the facsimile subclasses, subclass 5, and indented subclasses.

(2) Note.—There are numerous other record controlled means in other classes which as to some characteristics may be references for the record controlled mechanisms of this class. Attention is called to the following classes:

66, TEXTILES, KNITTING, particularly subclass 154, and indented subclasses.
84, MUSIC, the subclasses indented under "Automatic", starting with subclass 2, the selecting or record controlled means being in subclass 115, and indented subclasses.
90, GEAR CUTTING, MILLING, AND PLANING, subclasses 13, and indented subclasses, and 24.3, and indented subclasses.
96, TEXTILE, BRAIDING, NETTING, OR LACE MAKING, particularly subclass 11.
101, PRINTING, particularly subclasses 19, 20, 93 and 96.
112, SEWING MACHINES, particularly subclasses 4 and 84, and indented subclasses.
139, TEXTILES, WEAVING, particularly subclass 317, and indented subclasses, for the record controlled mechanism.
144, WOODWORKING, subclasses 137–145.
164, CUTTING AND PUNCHING SHEETS AND BARS, particularly subclass 111, and indented subclasses, for record controlled punching machines.
177, ELECTRIC SIGNALING, particularly subclasses 346, 350 and 380.
197, TYPEWRITING MACHINES, particularly subclass 19, and indented subclass.
199, TYPE CASTING, particularly subclasses 74 and 77.
200, ELECTRICITY, CIRCUIT MAKERS AND BREAKERS, subclass 46.
209, CLASSIFYING, SEPARATING AND ASSORTING SOLIDS, particularly subclass 110.
235, REGISTERS, subclasses 56 and 61.6, and indented subclasses.
276, TYPE SETTING, particularly subclass 13;

abolish the existing definitions of subclasses 5 and 6 and substitute therefor the following:

5. Automatic systems under subclass 3 in which means are provided for telegraphically producing at a receiving station a facsimile of subject matter transmitted.

(1) Note.—The subject matter may be, for example, a writing, imprint, picture or natural scene, chart, diagram, etc.

(2) **Search this class**, subclass 18, and indented subclasses, for non-automatic systems which produce facsimiles of written characters (including drawings) produced at the transmitter by a transmitting pen or stylus used by the operator to form the characters.

(3) **Search this class**, subclass 21, for non-automatic stenographic systems.

(4) **Search Classes**—

33—GEOMETRICAL INSTRUMENTS, subclass 23, and indented subclasses, for pantographic scribers.
78—METAL FORGING AND WELDING, subclass 13.1, for stippling arrangements for producing relief effects and which may be used as a television receiver.
90—GEAR CUTTING, MILLING AND PLANING, subclass 13, and indented subclasses, for record controlled milling machines which may be adapted to telegraphic facsimile work, and subclass 24.3, and indented subclasses, for corresponding record controlled planers.

6. Facsimile systems under subclass 5 in which (1) the matter to be transmitted is in optical relation to the transmitter, or (2) in which the facsimile produced is in optical relation to the receiver, or (3) both optical relations are present.

(1) Note.—The radiant energy utilized may be in the visible spectrum, may be ultra-violet, infra-red, cathode rays or of other character. The radiant energy at the transmitter usually acts on a material sensitive to such radiations to produce varying currents, while at the receiver the varying currents act on a radiator (as a neon lamp or cathode ray tube) to cause correspondingly varying radiations.

(2) Note.—See this class, subclass 69.5, for synchronizers.

(3) **Search Classes**—

33—GEOMETRICAL INSTRUMENTS, subclass 23, for pantographic scribers utilizing photo-electric apparatus.
88—OPTICS, for optical apparatus, particularly subclass 61, for light valves.
176—ELECTRIC LAMPS, for electric lamp structure and electric supply systems of general application, particularly subclass 122, and indented subclasses.
177—ELECTRIC SIGNALING, subclass 346, and indented subclasses, for image producing electrical display systems.
179—TELEPHONY, subclass 171, for continuous wave amplifiers and wave modulators.
250—RADIANT ENERGY, for radio telegraphy, not limited to facsimile telegraphy, and other radiant energy apparatus of general application, particularly subclass 41.5, for light sensitive circuits;

and change the first note following the definition of subclass 69.5 to read:

Search this class, subclasses 4.1, 5, 5.2, 5.6, 6.5 to 6.8, 12, 41, 53 and 53.1.

In *class 88, Optics* (Division 7), subclass 73, add to the definition the following note:

Note.—For reflectors limited to distributing light for optical scanning of a surface in optical facsimile telegraphy (television), see class 178, TELEGRAPHY, subclass 7.6.

In *class 101, Printing* (Division 17), subclass 415.1, add to the second note following the definition, under "Search Classes," the following:

234—RECORDERS, subclasses 74–77.

In *class 234, Recorders* (Division 41), subclass 77, cancel the second note following the definition and substitute therefor the following:

Note.—For devices for attaching a sheet to a drum and stretching it for printing operations, see class 101, PRINTING, subclass 415.1.

Adjudicated Patents

(C. C. A. Ohio) Swan patent, No. 1,536,044, for method and means to facilitate the distribution of fuel in internal combustion engines, claims 13 and 20 *Held* valid and infringed. *General Motors Corporation* v. *Swan Carburetor Co.*, 88 F.(2d) 876.

(C. C. A. Ohio) Swan patent, No. 1,636,721, for manifold, claims 5 and 7 *Held* valid and infringed. Id.

(C. C. A. Ill.) Edelmann patent, No. 1,800,139, for hydrometer, *Held* not infringed. *E. Edelmann & Co.* v. *Triple-A Specialty Co.*, 88 F.(2d) 852.

(D. C. N. Y.) Johnson patent, No. 1,805,403, for casement window structure, claims 1, 2, 9, 18, 21, 24, 25, and 28 *Held* not patentable, claims 19, 23, and 26 *Held* not infringed, claims 27 and 30 *Held* invalid, and claim 29 *Held* valid and infringed. *Johnson Metal Products Co.* v. *Lundell-Eckberg Mfg. Co.*, 18 F. Supp. 572.

(D. C. N. Y.) Johnson patent, No. 1,841,187, for closure fastener, claims 9, 10, and 11 *Held* invalid, and claims 12 and 13 *Held* valid and infringed. Id.

(D. C. N. Y.) Johnson patent, No. 1,841,247, for casement operator, claims 1 and 2 *Held* invalid. Id.

(C. C. A. Pa.) Emery patent, No. 1,848,468, for a machine for testing the strength of materials, *Held* valid and infringed. *Baldwin-Southwark Corporation* v. *Tinius Olsen Testing Mach. Co.*, 88 F.(2d) 910.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 8, 1937

[VOL. 479. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 383,955. SIOUX CITY SEED COMPANY, Sioux City, Iowa. Filed Oct. 3, 1936.

SILVER CROSS

For Corn Seeds.
Claims use since May 1, 1935.

Ser. No. 383,956. SIOUX CITY SEED COMPANY, Sioux City, Iowa. Filed Oct. 3, 1936.

ARISTO-GOLD

For Corn Seeds.
Claims use since June 1, 1935.

Ser. No. 383,957. SIOUX CITY SEED COMPANY, Sioux City, Iowa. Filed Oct. 3, 1936.

CHIEFTAIN

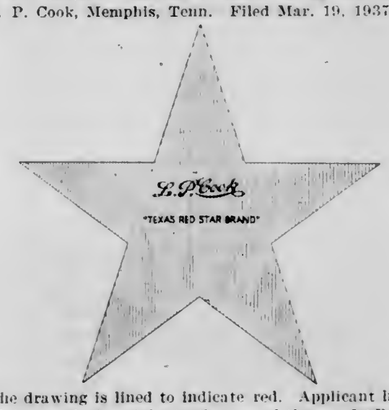
For Garden, Field, and Grass Seeds.
Claims use since Aug. 1, 1934.

Ser. No. 386,578. CARTER COAL & DOCK CORPORATION, New York, N. Y. Filed Dec. 10, 1936.

COK-OLGA

No claim is made to the word "Cok" apart from the mark as shown.
For Coke and Semi-Bituminous Coal.
Claims use since Oct. 30, 1936.

Ser. No. 390,265. LUCIUS P. COOK, doing business as L. P. Cook, Memphis, Tenn. Filed Mar. 19, 1937.



The drawing is lined to indicate red. Applicant hereby disclaims exclusive right to the use of the word "Brand" apart from the mark shown in the drawing.
For Seed Oats, a Variety of Field Seeds.
Claims use since May, 1926.

Ser. No. 391,180. GREENBERG & TARNOFF, INC., New York, N. Y. Filed Apr. 10, 1937.

VaPoni

For Fur Skins.
Claims use since Apr. 1, 1937.

CLASS 2

Receptacles

Ser. No. 378,779. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass. Filed May 23, 1936.

DAREX

For Buckets, Pails, and Similar Containers for Liquids Made of Rubber or Rubber-Like Substances.
Claims use since May 13, 1936.

Ser. No. 385,552. HORWITZ BAG CO., Chicago, Ill. Filed Nov. 16, 1936.

BURCOAL BAG
M. HORWITZ BAG CO.
CHICAGO

The words "Coal", "Bag", and "Chicago" and a representation of the goods are disclaimed.
For Burlap Bags With Handles Sewed Therein.
Claims use since Nov. 15, 1934.

Ser. No. 387,496. COFFEE ELECTROST CORPORATION, Chicago, Ill. Filed Jan. 6, 1937.

ELECTROST

For Coffee Containers—Namely, Empty Paper Bags and the Like.
Claims use since Sept. 29, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 375,553. CHARLES MELMAN, Brooklyn, N. Y. Filed Mar. 4, 1936.

CLiX

The lining on the drawing designates shading only.
For Animal Medicinal Preparations, Including Mange Medicinal Preparation, Ear Canker Medicine, Liquid Dog Shampoo, Condition Powder, Disinfectant, Sulphur Ointment, Cod Liver Oil.
Claims use since Feb. 10, 1936.

Ser. No. 378,196. ERNEST G. GARDONI, doing business as Vitalic Manufacturing Co., New York, N. Y. Filed May 8, 1936.

PROCESS
VITALIC MANUFACTURING CO.
NEW YORK

No claim is made to the words "Process" and "New York" apart from the mark shown on the drawing.
For Hair Waving Preparation.
Claims use since Feb. 29, 1936.

Ser. No. 378,533. TURNER & NEWALL LIMITED, Roachdale, England. Filed May 16, 1936. Under 10-year proviso.

PATTINSON'S

For Magnesium Carbonates and Calcined Magnesium Oxides.
Claims use since 1851.

Ser. No. 383,349. COMPAGNIE NATIONALE DE MATIÈRES COLORANTES ET MANUFACTURES DE PRODUITS CHIMIQUES DU NORD RÉUNIES ETABLISSEMENTS KUHLMANN, Paris, France. Filed Sept. 17, 1936.

ACETOQUINONE

For Chemical Dyestuffs.
Claims use since Aug. 14, 1936.

Ser. No. 383,350. COMPAGNIE NATIONALE DE MATIÈRES COLORANTES ET MANUFACTURES DE PRODUITS CHIMIQUES DU NORD RÉUNIES ETABLISSEMENTS KUHLMANN, Paris, France. Filed Sept. 17, 1936.

COCK

For Chemical Dyestuffs.
Claims use since Aug. 20, 1936.

Ser. No. 383,351. COMPAGNIE NATIONALE DE MATIÈRES COLORANTES ET MANUFACTURES DE PRODUITS CHIMIQUES DU NORD RÉUNIES ETABLISSEMENTS KUHLMANN, Paris, France. Filed Sept. 17, 1936.

K

For Chemical Dyestuffs.
Claims use since Aug. 20, 1936.

Ser. No. 383,723. DE-RAEF CORPORATION, Kansas City, Mo. Filed Sept. 28, 1936.

MIL-MIN-SAL

For a Mixture Comprising Dextrose, Calcium Oxide, Magnesium Oxide, Sodium Chloride, and Other Ingredients, which Mixture is Used Primarily as an Acid Standardizer in Processing Milk and in the Confection of Ice Cream.
Claims use since Sept. 21, 1936.

Ser. No. 384,814. ALBERTO JESUS PAPARELLI, San Antonio, Tex. Filed Oct. 26, 1936.

VITON

For General Medicinal Tonic.
Claims use since July 1, 1931.

Ser. No. 387,314. IMA C. CREEVY, doing business as The Corzon Company, Chicago, Ill. Filed Dec. 31, 1936.

CORZON

For Medicinal Preparation for Head Colds and Simple Headaches.
Claims use since Nov. 6, 1936.

Ser. No. 387,482. O & F. Co., Burlington, N. C. Filed Jan. 2, 1937.

O&F

For Medicinal Preparation for Colds.
Claims use since Jan. 1, 1936.

Ser. No. 388,060. THE R. M. HAY COMPANY, Stamford, Conn. Filed Jan. 22, 1937.

TUFFY

For Pharmaceutical Product for Hardening the Skin.
Claims use since August, 1936.

Ser. No. 388,070. PUBLICITÉ FRANCO-AMÉRICAINE, Paris, France. Filed Jan. 22, 1937.

SUPER-ORMOSAN-A (Hommes)

The word "Hommes" is not claimed except in the association shown in the drawing.
For Product in the Form of Pills Containing Extracts of Internal Secretion of Glands for the Purpose of Fortifying and Rejuvenating the System.
Claims use since January, 1935.

Ser. No. 388,485. MADELEINE B. TAYLOR, Brooklyn, N. Y. Filed Feb. 4, 1937.

AROMETTE

For Deodorants.
Claims use since June 1, 1936.

Ser. No. 388,954. MARY W. MYER, doing business as Burbank Craft Shop, Burbank, Calif. Filed Feb. 15, 1937.

Skinseal

For Hand and Face Creams and Pastes.
Claims use since Sept. 1, 1936.

Ser. No. 389,523. MECHLING BROTHERS CHEMICAL COMPANY, Camden, N. J., assignor to General Chemical Company. Filed Mar. 1, 1937.

SSS

For Spray Compound for Addition to Sprays for Deciduous Trees, Shrubs, Fruit or Vegetables, Either Dormant or in Foliage, and Comprising Ingredients which Aid Suspension of the Solids in Water, Permit Uniform Spraying of the Solids or Liquids Upon the Sprayed Surfaces, and Enhance the Adherence of the Solids or Liquids to the Sprayed Surfaces.
Claims use since Feb. 23, 1932.

Ser. No. 389,615. CHARLES M. MUTCH, Toronto, Ontario, Canada. Filed Mar. 3, 1937.

PYRAFRICE

For Dentifrice in Powder Form and Paste Form.
Claims use since May 18, 1936.

Ser. No. 389,642. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Mar. 4, 1937.

RED VELVET

For Lipsticks, Rouges, and Nail Polish.
Claims use since Sept. 1, 1936.

Ser. No. 389,775. CALAVO GROWERS OF CALIFORNIA, Los Angeles, Calif. Filed Mar. 8, 1937.

CALAVO

For Avocado Oil Used in the Preparation of Cosmetics, Perfumes, Rouges, Lip-Sticks, Etc.
Claims use since Feb. 25, 1937.

Ser. No. 389,866. JOHN BLOECHER, doing business as Nok Nok Manufacturing Co., Baltimore, Md. Filed Mar. 10, 1937.

"NOK-NOK"

For Preparation for the Treatment of Fever-Blisters and Pimples.
Claims use since Sept. 4, 1936.

Ser. No. 389,966. ISIDORE PRIMOST, doing business as Chem-"X" Research Laboratories, Elmhurst, Long Island, N. Y. Filed Mar. 12, 1937.

CHEM-X

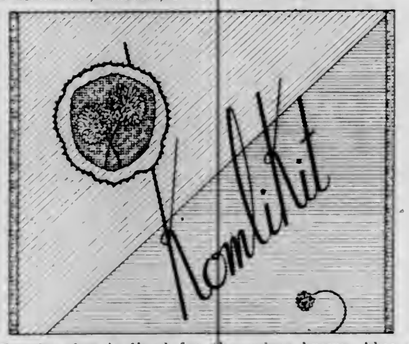
For Soot Destroyers, for Oil Burning Systems, Boiler Scale Removers, Water Cleaning Compounds and Oil Burner Nozzle Cleaners, All being in the Nature of Chemicals.
Claims use since Feb. 2, 1937.

Ser. No. 390,186. E. R. SQUIBB & SONS, New York, N. Y. Filed Mar. 17, 1937.

Soda-Prin

The word "Soda" is disclaimed apart from the mark as shown.
For Analgesic and Alkalizing Preparations.
Claims use since Mar. 8, 1937.

Ser. No. 390,309. JACQUELINE COCHRAN, doing business as KomliKit, Roselle, N. J. Filed Mar. 20, 1937.



The drawing is lined for the colors brown, blue and gold.
For Kit or Package Containing Cosmetics and Beauty Preparations—Namely, Rouge, Powder, Lipstick, Eye-shadow and Mascara Stick.
Claims use since Feb. 16, 1937.

Ser. No. 390,582. CHARLES M. BURNETT, JR., doing business as Tecol Company, San Francisco, Calif. Filed Mar. 27, 1937.

TECOL

For Specially Processed Oil, Scientifically Blended for Permanent Waving Solutions.
Claims use since June 20, 1937.

Ser. No. 390,616. RALPH GORDON FEAR, Los Angeles, Calif. Filed Mar. 30, 1937.

R-A-N

For Medical Compound to Remove Acids and Other Poisonous Matter From the Human Body.
Claims use since Oct. 1, 1936.

Ser. No. 390,626. CHEMICAL INDUSTRIES CORPORATION, Indianapolis, Ind. Filed Mar. 29, 1937.

SYNERGEN

For Benasprin Capsules, Calphenasprin, Digibarosmin Compound, Felephyllin Compound, Gylphoscal Compound, Hexaphenyl Compound, Novoquinol Compound, Pancremone Compound, Phenacetal Compound, Stramocalcine Compound, Theoonitral Compound, and Digicalcine Compound.
Claims use since Mar. 1, 1935.

Ser. No. 390,630. ROBERT W. COOKE, doing business as Cooke Laboratory Products, Sepulveda, Calif. Filed Mar. 29, 1937.

MYCOREX

For Poultry Medicine.
Claims use since May 1, 1936.

Ser. No. 390,681. JOHN WYETH AND BROTHER, INCORPORATED, Philadelphia, Pa. Filed Mar. 29, 1937.

IRONATE

For Medicinal Products Containing Iron and Other Elements for the Treatment of Anemia.
Claims use since Mar. 3, 1937.

Ser. No. 390,701. LENTHERIC, INCORPORATED, New York, N. Y. Filed Mar. 30, 1937.

NUTAN

For Preparations for Protecting and Conditioning the Skin.
Claims use since Mar. 23, 1937.

Ser. No. 390,788. RICHARD HUDNUT, New York, N. Y. Filed Apr. 1, 1937.

TEAK

For Perfume, Eau de Cologne and Toilet Water.
Claims use since Mar. 23, 1937.

Ser. No. 390,872. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Apr. 2, 1937.

Panesso

For Hydrocarbon Gases for Industrial and Commercial Purposes.
Claims use since Mar. 4, 1937.

Ser. No. 390,886. ARMIN VARADY, INCORPORATED, Chicago, Ill. Filed Apr. 2, 1937.

Varady OF VIENNA

The words "Of Vienna" are disclaimed except as shown.
For Lip Stick and Rouge.
Claims use since Mar. 23, 1937.

Ser. No. 390,916. HAMMOND PAINT & CHEMICAL CO., Beacon, N. Y. Filed Apr. 3, 1937.

ACTIROTE

For Insecticides.
Claims use since Mar. 15, 1936.

Ser. No. 390,936. R. E. OVERELL, doing business as Take-X Treatment Co., Los Angeles, Calif. Filed Apr. 3, 1937.

TAKE-X

For Combination of Vitamin and Laxative Tablets.
Claims use since Feb. 25, 1937.

Ser. No. 390,993. DERMETICS, INC., Seattle, Wash. Filed Apr. 6, 1937.

BLUSHING

For Toilet Preparations, Including a Blend of Oils for Skin Rubification; a Blend of Oils for Stimulating the Nerves of the Skin; a Blend of Oils for Stimulating Blood Circulation; a Blend of Oils for Stimulating Nerves and Blood Circulation of the Scalp; a Lotion To Be Used as Skin Antiseptic; a Blend of Oils for Application to Hands; a Blend of Oils for Body Application.
Claims use since May 29, 1936.

Ser. No. 390,994. DERMETICS, INC., Seattle, Wash. Filed Apr. 6, 1937.

COMPLEXION DRESS

For Toilet Preparations, Including a Blend of Oils for Cleansing the Skin; a Blend of Oil for Stimulating the Nerves of the Skin; a Blend of Oils for Stimulating Pore Elimination; a Blend of Oils for Stimulating Nerves of the Scalp; a Blend of Oils To Be Applied to the Skin for Protection Against Sun and Wind; a Lotion To Be Used as Skin Antiseptic; a Blend of Oils for Application to Hands; a Blend of Oils for Body Application.
Claims use since May 29, 1936.

Ser. No. 391,003. AYERST, MCKENNA & HARRISON (UNITED STATES) LIMITED, Rouses Point, N. Y. Filed Apr. 6, 1937.

POLYANSYN

For Sterile Solution of Anterior Hypophyseal Factors for Use as a Treatment for Deficiency Diseases of the Pituitary Gland.
Claims use since Mar. 12, 1936.

Ser. No. 391,011. PARK LABORATORY COMPANY, INC., San Antonio, Tex. Filed Apr. 6, 1937.

GRANDMA'S MINTONE



For Medicinal Preparation for External Application to Relieve the Discomfort and Pain of Muscular Soreness Due to Fatigue and Over-Exertion, Sprains, Bruises, Mosquito and Chigger Bites.
Claims use since Mar. 8, 1926.

Ser. No. 391,052. COLE CHEMICAL COMPANY, Wilmington, Del., and St. Louis, Mo. Filed Apr. 8, 1937.

THYROPIT

For Pharmaceutical Preparation for the Treatment of Obesity.
Claims use since Jan. 21, 1937.

Ser. No. 391,055. COLE CHEMICAL COMPANY, Wilmington, Del., and St. Louis, Mo. Filed Apr. 8, 1937.

PANOVARIAN

For Pharmaceutical Preparation for Ovarian Therapy.
Claims use since Jan. 21, 1937.

Ser. No. 391,056. COLE CHEMICAL COMPANY, Wilmington, Del., and St. Louis, Mo. Filed Apr. 8, 1937.

MIST-HEPAT

For Pharmaceutical Preparation for the Treatment of Essential Hypertension.
Claims use since July 6, 1936.

Ser. No. 391,057. COLE CHEMICAL COMPANY, Wilmington, Del., and St. Louis, Mo. Filed Apr. 8, 1937.

MANDELPHOS

For Pharmaceutical Preparation for the Treatment of Urinary Infections.
Claims use since Feb. 26, 1937.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 390,991. COMOLITE CORPORATION, Long Island City, N. Y. Filed Apr. 6, 1937.

CAMEL

For Pipes.
Claims use since Feb. 24, 1937.

Ser. No. 391,310. CONTINENTAL BRIAR PIPE CO. INC., Brooklyn, N. Y. Filed Apr. 14, 1937.

Royal Honey Dew

For Pipes.
Claims use since May 21, 1936.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 390,942. TULITIKKU OY, Helsinki, Finland. Filed Apr. 3, 1937.



The words "Impregnated Safety Matches" and "Made in Finland" are disclaimed.
For Safety Matches.
Claims use since November, 1936.

Ser. No. 391,020. ELKAY MANUFACTURING CORPORATION, New York, N. Y. Filed Apr. 7, 1937.

TELEVISION GUN

Applicant disclaims the word "Gun" apart from the mark shown in the drawing.
For Non-Shooting Guns Adapted for Target Practice.
Claims use since Apr. 5, 1937.

CLASS 12

Construction Materials

Ser. No. 383,736. GULF STATES STEEL COMPANY, Birmingham, Ala., assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey. Filed Sept. 28, 1936.

SUPER-X

For Metallic Shingles.
Claims use since Sept. 19, 1936.

Ser. No. 388,746. ALLAN ENGINEERING COMPANY, INCORPORATED, Dallas, Tex. Filed Feb. 11, 1937.

Airdown INSULATION

The word "Insulation" is disclaimed.
For Heat Insulation Material for Buildings.
Claims use since Dec. 15, 1936.

Ser. No. 388,984. INSUL-WOOL INSULATION CORPORATION, Wichita, Kans. Filed Feb. 16, 1937.

INSUL-WOOL

Applicant disclaims the use of the word "Wool", apart from the mark as shown.
For Thermal Insulating Material in Bulk Form Made from Paper.
Claims use since January, 1931.

Ser. No. 390,467. PETRATONE, INCORPORATED, Atlantic Highlands, N. J. Filed Mar. 24, 1937.

PETRATONE

For Stone Prepared, Dressed, or Treated for Construction Material.
Claims use since Feb. 10, 1937.

Ser. No. 390,513. THE FLINTKOTE COMPANY, New York, N. Y. Filed Mar. 25, 1937.

THERMALKOTE

For Bituminous Emulsion Compounds for Use as Protective Coatings.
Claims use since Sept. 30, 1936.

Ser. No. 390,584. CENTRAL COMMERCIAL COMPANY, Chicago, Ill. Filed Mar. 27, 1937.

STA-SO

For Crushed Slate, Slate Granules, Roofing Grit, Mineral Granules, Crushed Mineral Aggregate, Roofing Granules, Slag Granules, Slate Flour, Roofing Filler, Mineral Fillers, Roofing Talc, Roofing Mica, Mica Schist, Roofing Surfacing, Ceramic Granules, Roofing, Shingles, Crushed Marble, Marble Aggregates.
Claims use since Nov. 28, 1910.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 390,837. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill. Filed Apr. 2, 1937.

THERM-O-CRAFT

For Aluminum Domestic Cooking Hollow Ware.
Claims use since June 4, 1936.

Ser. No. 390,905. COPPER RANGE COMPANY, Painesdale, Mich. Filed Apr. 3, 1937. Under 10-year proviso.

C. G. HUSSEY & CO.

For Copper Rivets.
Claims use since 1872.

Ser. No. 391,097. SUPERPLAST CORPORATION, New Brunswick, N. J. Filed Apr. 8, 1937.

SUPERPLAST

For Non-Metallic Clips or Slides for Slide Fasteners.
Claims use since Jan. 16, 1937.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 381,505. WELDED PRODUCTS CO., INC., Bell, Calif. Filed July 27, 1936.

FABRIFORM

For Pressed Steel Fabricated Parts and Equipment—Namely, Semi-Finished Steel Grating and Partially Machined or Semi-Finished Parts for Special Machinery and the Like.
Claims use since Jan. 1, 1930.

Ser. No. 389,890. THE TIMKEN ROLLER BEARING COMPANY, Canton, Ohio. Filed Mar. 10, 1937.

Graph-mo

For Steel in All Forms—to wit, Ingots, Blooms, Billets, Bars, Tubing in the Rough Requiring Further Processing for Completion into Finished Articles, Strip, Sheets, Shapes, Weldless Rings (that is Rings Made at Least Partly by Forging and Requiring Further Processing for Completion into Finished Articles), Forgings, and Plate.
Claims use since Feb. 4, 1937.

Ser. No. 389,891. THE TIMKEN ROLLER BEARING COMPANY, Canton, Ohio. Filed Mar. 10, 1937.

Graph-sil

For Steel in All Forms—to wit, Ingots, Blooms, Billets, Bars, Tubing in the Rough Requiring Further Processing for Completion into Finished Articles, Strip, Sheets, Shapes, Weldless Rings (that is Rings Made at Least Partly by Forging and Requiring Further Processing for Completion into Finished Articles), Forgings, and Plate.
Claims use since Feb. 5, 1937.

CLASS 15

Oils and Greases

Ser. No. 388,279. PENNSYLVANIA REFINING COMPANY, Butler, Pa. Filed Jan. 28, 1937.

INSECTI-SOL

For Deodorized Kerosene.
Claims use since July 1, 1935.

Ser. No. 388,475. ASHLAND REFINING COMPANY, Ashland, Ky. Filed Jan. 28, 1937.

PEPPER GASOLINE

The word "Gasoline" is disclaimed apart from the mark.
For Gasoline and Lubricating Oils.
Claims use since July 1, 1933.

Ser. No. 390,566. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Mar. 26, 1937.

Essowax

For Paraffin Wax.
Claims use since Feb. 2, 1937.

CLASS 16

Paints and Painters' Materials

Ser. No. 385,248. LOUIS BROD, doing business as Magnet Paint and Shellac Company, Brooklyn, N. Y. Filed Nov. 7, 1936.



The word "Finishes" is disclaimed apart from the mark.

For Ready Mixed Paints and Prepared Shellac.

Claims use since Jan. 1, 1930.

Ser. No. 388,828. LYMAN W. CARR, Fostoria, Ohio. Filed Feb. 12, 1937.

Kota Kolor

No claim is made to the word "Kolor" apart from the mark as shown.

For Coating Effecting Polishes Possessing the Incidental Properties of a Cleaner for Furniture, Automobile Bodies, and Varnished, Lacquered, Painted, or Enameled Surfaces.

Claims use since October, 1936.

Ser. No. 390,024. PEERLESS PAINT & CHEMICAL CORPORATION, Pittsburgh, Pa. Filed Mar. 13, 1937.

PEERCO

For Ready Mixed Paint, Paint Enamel, and Varnishes.

Claims use since Mar. 8, 1937.

Ser. No. 391,686. CAVENDISH TRADING CORPORATION, New York, N. Y. Filed Apr. 22, 1937.

Cavencraft

For Waxes for Polishing Floors, Automobiles, and Furniture.

Claims use since Oct. 1, 1936.

Ser. No. 391,866. ILLINOIS FARM SUPPLY COMPANY, Chicago, Ill. Filed Apr. 26, 1937.

SOYSEAL

For House Paint Primers.

Claims use since July 10, 1936.

Ser. No. 392,027. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Apr. 29, 1937.

HAMMERLOID

For Varnish Enamel.

Claims use since Oct. 29, 1936.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 386,153. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Dec. 1, 1936.

COMFORTAIR

For Vehicle Heaters and Parts Thereof, Said Heaters Utilizing Hot Fluids from the Engine.

Claims use since Feb. 1, 1935.

Ser. No. 391,376. THE CLEVELAND PNEUMATIC TOOL COMPANY, Cleveland, Ohio. Filed Apr. 15, 1937.

CLE-AIR

For Air Springs for Vehicles, Yielding Struts for Landing Gears of Airplanes and Hydroplanes.

Claims use since Oct. 30, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 381,066. FAIRBANKS, MORSE & CO., Chicago, Ill. Filed July 16, 1936.



The lining in the drawing indicates gold color. The words "Tone" and "Projector" are disclaimed apart from the mark.

Applicant claims ownership of registered trade-mark Ct. #336,478 issued July 7, 1936.

For Radio Speaker Attachments Particularly, Bell-Shaped Elements Disposed Between the Speakers and Sounding Boards, for Diffusing Sound Waves.

Claims use since June 19, 1936.

Ser. No. 381,067. FAIRBANKS, MORSE & CO., Chicago, Ill. Filed July 16, 1936.



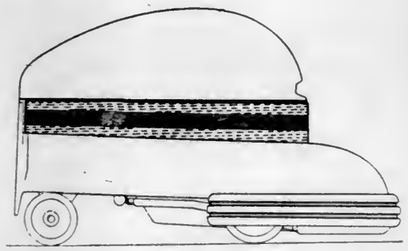
The lining in the drawing indicates orange color. The words "Turret Shielded" and "Chassis" are disclaimed apart from the mark.

Applicant claims ownership of registered trade-mark Ct. #336,478 issued July 7, 1936.

For Radio Receivers, Particularly the Chassis Thereof.

Claims use since June 13, 1936.

Ser. No. 385,380. THE HOOVER COMPANY, North Canton, Ohio. Filed Nov. 12, 1936.



The trade-mark consists of two silver bands spaced by a blue band which partially encircle the body of the cleaner, no claim being made to the representation of the cleaner per se.

For Electric Suction Cleaners.

Claims use since Oct. 7, 1936.

Ser. No. 389,833. FELIX LILIENTHAL & CO., INC., New York, N. Y. Filed Mar. 9, 1937.

IMC

For Electric Irons.

Claims use since Nov. 1, 1936.

Ser. No. 390,521. JOHN K. KAVAKOS, Brooklyn, N. Y. Filed Mar. 25, 1937.

DICTO-LITE

For Electrical Push Buttons, Bells, Signals, Electric Light Bulbs, Transformers, Electric Fittings, Wires, and Cables, and Conduits.

Claims use since Jan. 15, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 381,584. ABRAHAM J. SILVERMAN, doing business as Peerless Sporting Goods Co., New York, N. Y. Filed July 29, 1936.

SUPER-SLUG
WOOD

The word "Wood" is disclaimed apart from the mark.

For Golf Clubs, Baseball Bats, Hockey Sticks, and Tennis Racquets.

Claims use since May, 1935.

Ser. No. 384,057. ULLSTEIN AKTIENGESELLSCHAFT, Berlin, Germany. Filed Oct. 6, 1936.

father and son
far och son
far og søn

For Card Games and Games Played on a Board, Toys Such as All Kinds of Mechanical Toys, Dolls.

Claims use since December, 1934.

Ser. No. 384,059. ULLSTEIN AKTIENGESELLSCHAFT, Berlin, Germany. Filed Oct. 6, 1936.



For Card Games and Games Played on a Board, Toys Such as Dolls, and All Kinds of Mechanical Toys.

Claims use since December, 1934.

Ser. No. 387,966. CORTLAND LINE COMPANY, INC., Cortland, N. Y. Filed Jan. 16, 1937.

YELO-JACKET

For Fish Lines and Tennis Rackets.

Claims use since September, 1936.

Ser. No. 390,028. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 13, 1937.

Zephyr

For Children's Wagons.
Claims use since Feb. 6, 1936.

Ser. No. 390,715. STANDARD TOYKRAFT PRODUCTS, INC., Brooklyn, N. Y. Filed Mar. 30, 1937.

Miss America

For Toy Weaving Outfits for Children's Use.
Claims use since Mar. 10, 1937.

Ser. No. 391,326. ERIC W. JOHANSON, St. Charles, Ill. Filed Apr. 14, 1937.

SPINNER CADDIE

For Golf Practicing Devices.
Claims use since Feb. 9, 1937.

Ser. No. 391,711. HARVEY E. RINEHART, doing business as Utility Electric and Machine Works, Wheeler, Oreg. Filed Apr. 22, 1937.

MASTER-KASTER

For Rod-Reels for Fishing and Fishing Reels.
Claims use since Jan. 1, 1936.

Ser. No. 391,930. SEWALL BILLINGS VAUGHN, Boston, Mass. Filed Apr. 27, 1937.

THE REMINDER

For Golf Balls.
Claims use since July 11, 1936.

Ser. No. 392,079. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Apr. 30, 1937.

CARNIVAL

For Board Game Played with Movable Pieces.
Claims use since Jan. 6, 1937.

Ser. No. 392,093. DAVID J. EDWARDS, Hollywood, Calif. Filed Apr. 30, 1937.

SANTA ANITA HANDICAP

For Board Game Played with Movable Pieces.
Claims use since Apr. 6, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 386,986. DOUBLE A PRODUCTS COMPANY, INC., Ann Arbor, Mich. Filed Dec. 21, 1936.

AA

For Lathes (Wood and Metal Turning Bench Type), Face Plates (for Wood and Metal Turning Lathes), Power Hack Saws, Wet Grinders (Water Lubricated Abrasive Service), Jig Saws, Table Saws, Buffers, Disc Sanders, Belt Sanders, Shapers (Machines with Rotatable Cutting Blades), Drill Presses, Hand Drills, Chisels, Hand Grinders (Hand Operated Abrasive Service), Vises, Shaft Hangers, Wood Clamps, Chucks, and Wire Wheels.
Claims use since Jan. 31, 1935.

Ser. No. 390,026. LOUIS SCHWEITZER, Baltimore, Md. Filed Mar. 13, 1937.



Applicant disclaims exclusive right to the words "Razor Blades" and to the representation of the wrapper whereon it appears in the drawing, except as the same are used in connection with the other features of the mark as shown.
For Safety-Razor Blades.
Claims use since Jan. 10, 1935.

Ser. No. 390,057. EX-CELL-O AIRCRAFT & TOOL CORPORATION, Detroit, Mich. Filed Mar. 15, 1937.

EX-CELL-O

For Internal Grinding Spindles, Diamond Boring Machines, Diesel Fuel Pump Parts, Tool Grinding and Lapping Machines, Fuel Injection Systems Such as Pumps for Injecting Oil, Gasoline, or Other Fuel, Under Pressure, Into Internal Combustion Engines, and Including Therewith Means for Distributing the Fuel to Multiple Cylinders of an Engine, Complete with Necessary Controls, Etc.; Multiple Drilling Equipment Such as, Machines for Drilling a Multiplicity of Holes Simultaneously or in Sequence but Requiring a Group of Drilling Spindles to Perform the Operation (Spindles May be Arranged Vertically, Horizontally, or at an Angle or any Combination Thereof), Also Includes Multiple Drill Heads which Consist of a Group of Drill Spindles, Supported and Driven from a Single Drill Spindle or Shaft; Jigs, and Fixtures; Tungsten Carbide Tipped Tools such as Metal Cutting Tools, Such as Tool Bits for a Lathe, Drills, Reamers, Saws, Milling Cutters, Form Tools, Etc., the Body of Such Tools being Made of Steel but the Portion of the Tools Adjacent the Cutting Edge Where the Wear is Most Pronounced and Destructive being Made of Tungsten Carbide, which is Usually Brazed into Place in the Body of the Tool; Inserted Tooth Milling Cutters, Standard Milling Cutters, Gear Shaper Cutters, Broaching Fixtures, Counterbore Sets, Special Tools Such as Arbors, Cutters, Reamers, Jigs, Fixtures, Dies, Etc., Which Are Not Usually Made in Any Quantity and Carried in Stock by the Manufacturer or Dealer as Standard Tools but Are Designed and Built for One Special Purpose Only; Counterbores, Form Tools Such as Cutting Tools for Use on a Lathe or Screw Machine, the Cutting Edges of the Tools Usually Being Irregularly Shaped or "Formed" so as to Produce a Similarly "Formed" Piece of Work with One Pass of the Tool Either Over the Work or Into the Work as the Part Being Operated Upon May Require; Core Drills, Broaches and Reamers; Precision Boring Machines; Cylinder Boring Machines; Thread Grinding Machines; Precision Parts Having Internally or Externally Ground Threads, such as Screws, Taps, Worms, Hobs, Dies or Chasers; Precision Parts Having Spaced Form Grooves, Such as Thread Hobs; Gear Lapping Machines; Drill Units; Hydraulic Motors, Pumps, Control Panels, and Valves All Used in Hydraulically Controlled Machinery; Paper Packaging Machinery; Fuel Injection Nozzles; Vertical Lathes for Turning and Boring; and Machines for Welding, Bending, and Forming Metal.
Claims use since December, 1930.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 388,629. ADCASTER SERVICE, INC., Chicago, Ill. Filed Feb. 8, 1937.



No claim is made to the pictorial representations of a projector at the right and left of the monogram in the drawing apart from the mark as shown.
For Stereopticon Machines.
Claims use since Nov. 6, 1936.

Ser. No. 389,296. ADLANCO X-RAY CORPORATION, New York, N. Y. Filed Feb. 24, 1937.

PLANIGRAPH

For Radiographic X-Ray Device for Taking X-Ray Exposures of Thin Tissue Layers.
Claims use since Aug. 1, 1936.

Ser. No. 389,603. C. ELLIS ELLICOTT, JR., Baltimore, Md. Filed Mar. 3, 1937.

YACHTMETER

For Speed Indicating Logs.
Claims use since Jan. 30, 1937.

CLASS 27

Horological Instruments

Ser. No. 386,648. THE GRUEN WATCH COMPANY, Cincinnati and Time Hill, Cincinnati, Ohio. Filed Dec. 11, 1936.

LADY CURVEX

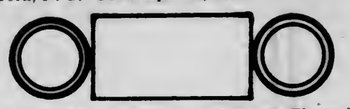
For Watch Cases, Watches, and Watch Movements.
Claims use since Nov. 2, 1936.

Ser. No. 391,529. THE HAMMOND CLOCK COMPANY, Chicago, Ill. Filed Apr. 19, 1937.

Ardis

For Electric Clocks.
Claims use since Apr. 12, 1937.

Ser. No. 392,047. S. & H. OSTRIN CO., INCORPORATED, New York, N. Y. Filed Apr. 29, 1937.



For Watch Cases, Watches, and Parts Thereof.
Claims use since January, 1930.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 390,161. COHN & ROSENBERGER, INC., New York, N. Y. Filed Mar. 17, 1937.

DELLA ROBBIA

For Necklaces and Bracelets, Finger Rings, Earrings, Jewelry Clips, Brooches, Lockets, and the Following Goods Made in Whole or in Part of Precious Metal or Plated with the same: Beads, Pins, Hat Ornaments, Hair Ornaments, Holders for Face Powder Compacts, Comb Cases, Cigarette Cases, Fancy Cigarette Boxes, Fancy Buckles, and Jewelry Initials.
Claims use since Jan. 10, 1935.

Ser. No. 390,241. LOUIS ALBERT SAMSTAG, New York, N. Y. Filed Mar. 18, 1937.

DUCHESS OF WINDSOR

For Jewelry—Namely, Finger Rings, Bracelets, Brooches, Ear-Rings, Necklaces, Jewelled Hair Ornaments, Clips, Vanity Cases, Lipstick Holders Made in Whole or in Part or Plated with Precious or Semi-Precious Metal.
Claims use since Feb. 4, 1937.

Ser. No. 390,720. J. J. WHITE MANFG. CO., Providence, R. I. Filed Mar. 30, 1937.

Horoscope

For Jewelry, and Particularly Rings and Brooches, with Real or Imitation Precious Stones Therein not Including Watches.
Claims use since December, 1936.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 386,229. MILTON B. WRIGHT, doing business as Universal Fountain Brush Co., St. Petersburg, Fla. Filed Dec. 2, 1936.

☆STAR MARKER☆

The word "Marker" is disclaimed apart from the mark.
For Free Hand Fountain Marking Brushes.
Claims use since May 1, 1924.

Ser. No. 391,926. PROPHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Apr. 27, 1937.

Pro

For Tooth Brushes.
Claims use since Apr. 15, 1937.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 391,408. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Apr. 15, 1937.

REDLEAF

For Chinaware—Namely, Bowls, Vases, Plates, Cups, Saucers, Sugar Bowls, Cream Pitchers, Relish Dishes, Platters, Combined Gravy Boats and Stands, Gravy Boats, Gravy Boat Stands, Tea Pots, and Jugs.
Claims use since Jan. 21, 1937.

CLASS 31

Filters and Refrigerators

Ser. No. 391,493. THE SPARKS-WITHINGTON COMPANY, Jackson, Mich. Filed Apr. 17, 1937.

THRIFTER

For Refrigerator Units—Namely, Metal Frames for Attachment to the Inside of Refrigerator Doors for Holding Foodstuffs.
Claims use since Mar. 8, 1937.

Ser. No. 391,825. QUILLEN BROS. REFRIGERATOR CO., Indianapolis, Ind. Filed Apr. 24, 1937.

VEG-A-KRISP

For Vegetable Display Refrigerated Cabinet.
Claims use since Dec. 1, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 390,367. THE EDWARD J. HOFF CO., Cincinnati, Ohio. Filed Mar. 22, 1937.

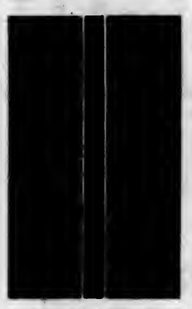
"SUN-E-CLIPSE"

For Adjusters for Venetian Blinds.
Claims use since Feb. 22, 1937.

CLASS 33

Glassware

Ser. No. 372,647. GEORGES MONPEURAT, Paris, France. Filed Dec. 14, 1935.



The trade-mark is formed by two parallel and longitudinal white lines. The white lines on the drawing represent white color.
For Glass Tubes and Rods for General Use in the Industrial Arts.
Claims use since Sept. 25, 1935.

Ser. No. 391,407. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Apr. 15, 1937.

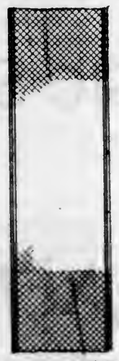
REDLEAF

For Glassware—Namely, Bowls, Vases, Plates, Cups, Saucers, Sugar Bowls, Cream Pitchers, Relish Dishes, Platters, Tumblers, Goblets, Sherbet Glasses, Claret Glasses, Wine Glasses, Cordial Glasses, Whiskey Glasses, Cocktail Glasses, Finger Bowls, and Finger Bowl Plates.
Claims use since Jan. 21, 1937.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 388,466. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 2, 1937.



The drawing is lined for red. The mark consists of a longitudinal red line. In flat wicks it is applied to each edge and in tubular wicks it is applied at diametrically opposite points. The picture of the goods is not claimed as a trade-mark.
For Wicks.
Claims use since Jan. 1, 1937.

Ser. No. 390,986. BEACON STOKER COMPANY, INC., Beacon, N. Y. Filed Apr. 6, 1937.

HYD-RAMIC

For Automatic Stokers and Parts Thereof.
Claims use since Aug. 31, 1936.

Ser. No. 391,182. IRON FIREMAN MANUFACTURING COMPANY, Portland, Oreg. Filed Apr. 10, 1937.

IF

For Automatic Coal Burners.
Claims use since Mar. 10, 1937.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 385,128. ARMSTRONG CORK PRODUCTS COMPANY, Lancaster, Pa. Filed Nov. 4, 1936.

CORPRENE

For Gaskets and Washers.
Claims use since Sept. 5, 1935.

CLASS 37

Paper and Stationery

Ser. No. 388,328. MCLAURIN-JONES CO., Brookfield, Mass. Filed Jan. 29, 1937.

PRODUCT STAMP

No claim is made to the word "Product" apart from the mark shown.
For Label Stock Whether of Plain, Gummed, or Coated Paper.
Claims use since Jan. 17, 1937.

Ser. No. 389,212. LENNON WALL PAPER COMPANY, Joliet, Ill. Filed Feb. 17, 1937.

ROTOCRAFT

For Wallpapers.
Claims use since 1930.

CLASS 38

Prints and Publications

Ser. No. 372,450. ZEESE-WILKINSON CO., INC., Long Island City, N. Y. Filed Dec. 9, 1935.

INTAPRINT

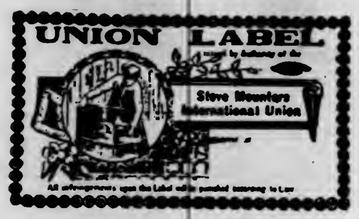
For Gravure Prints Made From Plates.
Claims use since Sept. 24, 1935.

Ser. No. 381,987. THE HOFFMAN BROTHERS COMPANY, Baltimore, Md. Filed Aug. 10, 1936.

Fishosophy

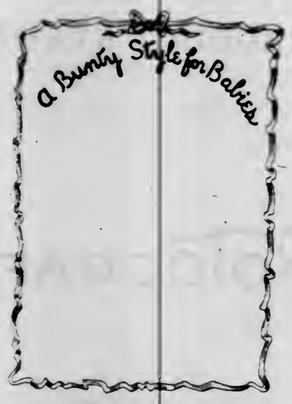
For Pamphlets, Guide-Books, Folders, and News Paper Articles, Relating to Fishing and Hunting, Published from Time to Time.
Claims use since May 17, 1936.

Ser. No. 387,094. STOVE MOUNTERS' INTERNATIONAL UNION, St. Louis, Mo. Filed Dec. 23, 1936.



All wording appearing on the drawing except "Stove Mounters' International Union" being disclaimed apart from the mark as shown.
For Printed Books, Pamphlets, Magazines Published Monthly, and Circulars Used Between the Different Units of the Association for the Furtherance of its Objects.
Claims use since Dec. 30, 1892.

Ser. No. 388,516. RYERSON IMPORTERS, Detroit, Mich. Filed Feb. 3, 1937.



For Booklet or Pamphlet Covering Instructions for Knitting.
Claims use since Dec. 14, 1936.

Ser. No. 390,441. BRIDGEPORT BRASS COMPANY, Bridgeport, Conn. Filed Mar. 24, 1937.

COPPER ALLOY BULLETIN

For Periodicals, Books, Booklets, and Pamphlets.
Claims use since January, 1937.

Ser. No. 390,546. ENREY PUBLISHING CORPORATION, New York, N. Y. Filed Mar. 26, 1937.

RE-VUE

For Magazine.
Claims use since Mar. 15, 1937.

Ser. No. 390,791. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Apr. 1, 1937.

The
BRIGHTER SIDE

For Newspaper Section.
Claims use since Mar. 16, 1937.

Ser. No. 391,199. HEARST PUBLICATIONS, INCORPORATED, Los Angeles, Calif. Filed Apr. 8, 1937.

CITY MOTHER
of Los Angeles

For Title or News Column Caption in a Newspaper Published from time to time.
Claims use since Feb. 1, 1937.

Ser. No. 391,259. POLISH NATIONAL UNION OF AMERICA, Scranton, Pa. Filed Apr. 14, 1937.

STRAŻ
(THE GUARD)

For Newspaper Printed Weekly.
Claims use since Apr. 17, 1897.

CLASS 39

Clothing

Ser. No. 381,801. DUBE UNDERGARMENT COMPANY, New York, N. Y. Filed Aug. 4, 1936.

MAGIC SATIN

The word "Satin" is disclaimed.
For Women's Slips and Night Gowns.
Claims use since June 1, 1935.

Ser. No. 385,645. ROYALKNIT GLOVE CORPORATION, Johnstown, N. Y. Filed Nov. 17, 1936. Under 10-year proviso.



For Woolen Knit Gloves, String Gloves, Seamless Knit Glove Linings.
Claims use since 1884.

Ser. No. 388,257. BUTLER BROTHERS, Chicago, Ill. Filed Jan. 28, 1937.



For Women's Fabric Gloves, and Anklets, Women's Night Gowns and Pajamas of Cotton, Rayon, and Knitwear, Children's and Misses' Sleepers and Pajamas, and Women's Slips of Cotton, Rayon, and Silk.
Claims use since Dec. 6, 1927.

Ser. No. 388,953. MINNEAPOLIS KNITTING WORKS, Minneapolis, Minn. Filed Feb. 15, 1937.

SLIP A WAY

For Garments, Particularly Pajamas and Children's Underwear.
Claims use since Feb. 5, 1937.

Ser. No. 389,108. WEBER & HEILBRONER, INC., New York, N. Y. Filed Feb. 18, 1937.

The Splasher

For Hats, Caps, Overcoats, Top Coats, Trousers, Jackets, and Coats for Men and Boys; Wearing Apparel of Wool, Cotton, Silk, Rayon, or Combinations Thereof for Men and Boys—Namely, Knitted Jackets, Sportcoats, Vests and Sweaters, Pullovers, Snow Suits, Stockings, Socks, Half Hose, Sport Hose, Golf Hose and Anklets of Knitted, Netted, or Textile Fabrics; Bath Robes, Beach Robes, and Scarfs, Mufflers, Mittens; and Leather and Fabric Gloves.
Claims use since Aug. 26, 1921.

Ser. No. 389,336. DAVID MAYERS, doing business as L. Mayers & Son, Baltimore, Md. Filed Feb. 24, 1937.



The outline of the label is disclaimed per se.
For Men's and Boys' Belts, Suspenders, and Neckties.
Claims use since Sept. 1, 1934.

Ser. No. 389,576. THOMAS & MARCUS INC., New York, N. Y. Filed Mar. 2, 1937.

"Zip-Slip"

No claim is made to the exclusive use of the word "Slip" apart from the mark as shown in the drawing.
For Women's Underwear—Namely, "Slips".
Claims use since Oct. 14, 1936.

Ser. No. 389,945. TEPPER BROS., Plainfield, N. J. Filed Mar. 11, 1937.

Cedarbrooke

For Men's Clothing—Namely, Dress, Negligee, and Sport Shirts, Pajamas, Hats, Bath Robes, Beach Robes, Lounge Robes, House Coats, Leather Shoes, Sweaters, Neckties, Socks, Suits, Topcoats, Over-Coats, and Leather Gloves.
Claims use since Oct. 19, 1927.

Ser. No. 389,954. WILKINS GLOVES, INC., Mayfield, N. Y. Filed Mar. 12, 1937.

araflex

For Gloves Made Wholly of Leather.
Claims use since Feb. 25, 1937.

Ser. No. 389,977. DAGGER INCORPORATED, Atlanta, Ga. Filed Mar. 12, 1937.



For Neckties.
Claims use since Jan. 11, 1937.

Ser. No. 390,055. DUTCHESS UNDERWEAR CO., New York, N. Y. Filed Mar. 15, 1937.

AIRONETTE

For Women's and Misses' Chemises, Negligees, Slips, Panties, Shorts Used as Undergarments, Brassières, Bloomers, Pajamas, and Nightgowns.
Claims use since Nov. 1, 1935.

Ser. No. 390,066. HILLS, MCLEAN & HASKINS, INC., Binghamton, N. Y. Filed Mar. 15, 1937.

Scot Crest

For Men's and Boys' Suits, Overcoats, Dress, Negligee, and Work Shirts, Underwear, Neckties, Pajamas, Hats, Shoes of Leather, Rubber, Fabric, or Combinations Thereof, and Sweaters.

Claims use since Feb. 1, 1932.

Ser. No. 390,102. EDITH WALKER, Los Angeles, Calif. Filed Mar. 15, 1937.

PERKYCHIEFS

For Handkerchiefs.

Claims use since July 25, 1936.

Ser. No. 390,183. HIRAM PAUL CLOTHING CO., INC., Oklahoma City, Okla. Filed Mar. 17, 1937.

CLYDE-CAMERON

For Men's and Young Men's Clothing—Namely, Coats, Vests, Pants, Overcoats and Topcoats.

Claims use since Feb. 11, 1937.

Ser. No. 390,201. CRYSTAL SILK UNDERWEAR CO., New York, N. Y. Filed Mar. 18, 1937.

BLUE DANUBE

For Hosiery, Ladies' and Children's Underwear, Such as Bloomers, Panties, Vests, Chemises, Stepins; Ladies' Nightgowns, Pajamas, and Slips.

Claims use since September, 1935.

Ser. No. 390,230. I. NEWMAN & SONS, INC., New Haven, Conn., and New York, N. Y. Filed Mar. 18, 1937.

ABDO-BRA

No claim is made to the exclusive use of the word "Bra" apart from the mark as shown in the drawing.

For Corsets, Brassières, and Other Foundation Garments.

Claims use since Mar. 11, 1937.

Ser. No. 390,304. L. BAMBERGER & CO., Newark, N. J. Filed Mar. 20, 1937.

Princess Bam

Applicant is the owner of registration No. 186,465, dated July 8, 1924.

For Hats, Gym Suits, Leather Gloves, Fabric Gloves, Hosiery, Sweaters, Snow Suits, Underwear, Dresses, Coats, Suits, and Shoes of Leather. All for Wear by Women and Children.

Claims use since April, 1931.

Ser. No. 390,413. WILLIAM H. CHERNIN, doing business as Chernin's, Maple Shade, N. J. Filed Mar. 23, 1937.



For Hosiery.

Claims use since Feb. 10, 1937.

Ser. No. 390,458. LEGOF MFG. CO., Dallas, Tex. Filed Mar. 24, 1937.



The words "Fashion" and "Sportswear" are disclaimed for registration purposes apart from the mark shown in the drawing with reservation of applicant's common law rights in the premises.

For Boys' Suits and Pants of Wool and Cotton and Wash Pants.

Claims use since Nov. 14, 1936.

Ser. No. 390,535. SWEATERCRAFT, INC., New York, N. Y. Filed Mar. 25, 1937.

HALF 'n HALF

For Knitted Sweaters for Women, Misses, and Children, Knitted Dresses and Knitted Two-Piece Suits for Women and Misses.

Claims use since Mar. 1, 1937.

Ser. No. 390,717. THE STROUSS-HIRSHBERG COMPANY, Youngstown, Ohio. Filed Mar. 30, 1937.

BEAUT-I-CRAFT

For Shoes Made of Leather, Fabric, Rubber, and Combinations of Those Materials.

Claims use since Sept. 28, 1936.

Ser. No. 390,724. DEL MONTE-HICKEY COMPANY, INC., New York, N. Y. Filed Mar. 31, 1937.

Shah-Kashmir

The word "Kashmir" is disclaimed apart from the mark as shown.

For Ladies' Coats.

Claims use since Jan. 29, 1937.

Ser. No. 390,859. MILGRIM MANUFACTURING CO., Philadelphia, Pa. Filed Apr. 2, 1937.

Niftee Nudies
by Milgrim

For Women's Pajamas and Night Gowns.

Claims use since Apr. 20, 1936.

Ser. No. 390,948. BEAUTEE-FIT COMPANY, INC., Los Angeles, Calif. Filed Apr. 5, 1937.

Pizazz

For Brassières, Foundation Garments, Girdles, and Garter Belts.

Claims use since Mar. 1, 1937.

Ser. No. 391,007. LA MODE GARMENT CO., Chicago, Ill. Filed Apr. 6, 1937.

The Buttoneers

For Women's, Misses', and Children's Bloomers, Pajamas, Slips, Panties, Nightgowns, Dresses, and Blouses.

Claims use since Feb. 10, 1936.

Ser. No. 391,079. JOHN E. LOCK, Milwaukee, Wis. Filed Apr. 8, 1937.

Softees

For Leather Shoes.

Claims use since Jan. 1, 1937.

Ser. No. 391,350. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 14, 1937.

DRUM MAJOR

For Overalls.

Claims use since Jan. 17, 1936.

Ser. No. 391,394. THE PEERLESS CO. INC. (PAWTUCKET), Pawtucket, R. I. Filed Apr. 15, 1937.

BARNBROOKE

For Women's and Misses' Coats and Suits.

Claims use since Aug. 17, 1936.

Ser. No. 391,798. BAUMRING & WITKOFF, New York, N. Y. Filed Apr. 24, 1937.

Glad-tidings

For Hosiery.

Claims use since Mar. 15, 1937.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 390,258. AUTO-GRAM MANUFACTURING CO. INC., New York, N. Y. Filed Mar. 19, 1937.

IRON TACH

For Fabric Emblems Adapted To Be Affixed to Articles of Clothing, Household Linens, and Handbags.

Claims use since Mar. 1, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 391,349. THE SCHWARZENBACH HUBER CO., New York, N. Y. Filed Apr. 14, 1937.

CETA RAY

For Piece Goods.
Claims use since Feb. 15, 1937.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 390,021. HAROLD GRAHAM, New York, N. Y. Filed Mar. 13. 1937.

ANITA JEAN

For Sanitary Belts.
Claims use since June 16, 1936.

Ser. No. 390,721. ARTYPE DENTAL COMPANY, Harrisburg, Pa. Filed Mar. 31, 1937.

ARTYPE

For Artificial Teeth.
Claims use since Feb. 1, 1937.

Ser. No. 391,069. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 8, 1937.

DO-DADS

For Sanitary Baby Diapers.
Claims use since Mar. 26, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 384,295. LIMPERT BROS. INC., Vineland, N. J. Filed Oct. 13, 1936.



N-JOY

For Chocolate Flavored Syrup for Making Soft Drinks.
Claims use since Sept. 29, 1936.

Ser. No. 391,355. THE STANDARD BOTTLING CO., Denver, Colo. Filed Apr. 14, 1937.

LITTLE LEM

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Apr. 1, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 369,349. THE FORTUNE COMPANY, Chicago, Ill. Filed Sept. 16, 1935.



RED WHITE & BLUE

For Spaghetti and Macaroni.
Claims use since Sept. 1, 1915.

Ser. No. 381,519. AMERICAN STORES COMPANY, Philadelphia, Pa. Filed July 28, 1936.

PRINCESS

Applicant is the owner of trade-mark registration No. 210,042.
For Oleomargarine.
Claims use since March, 1931.

Ser. No. 381,596. THE J. WELLER COMPANY, Oak Harbor, Ohio. Filed July 29, 1936.

HOFFMAN HOUSE

Applicant is the owner of trade-mark registration No. 109,498.
For Catsup, Tomato Puree, Pickles, Canned Sauer Kraut, Canned Vegetables.
Claims use since Jan. 1, 1903.

Ser. No. 383,940. POPCORN GROWERS AND DISTRIBUTORS, INC., Wall Lake, Iowa. Filed Oct. 3, 1936.

TOSTY-ROSTY

The drawing is lined to indicate the color blue.
For Pop Corn in its Natural State.
Claims use since Sept. 1, 1925.

Ser. No. 384,731. AKTIESELSKAP JOHN BRAADLAND LTD., Stavanger, Norway. Filed Oct. 24, 1936.



The representation of the label and all wording except "Red Stripe" and "John Braadland Ltd." is disclaimed apart from the mark.
For Canned Fish, Especially Brisling (Sardines), Sild, and Kipper Snacks.
Claims use since Mar. 6, 1914.

Ser. No. 384,734. THE C. BORGEN PACKING CO., AKTIESELSKAP, Stavanger, Norway. Filed Oct. 24, 1936.



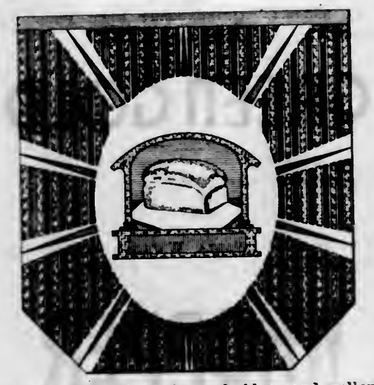
The representations of the label and of the goods and all wording except "Norway's Crystal Sea" and "The C. Borgen Packing Co." are disclaimed apart from the mark.
For Canned Fish, Especially Brisling (Sardines), Sild, and Kipper Snacks.
Claims use since Jan. 1, 1935.

Ser. No. 387,676. OMAHA COLD STORAGE CO., Omaha, Nebr. Filed Jan. 11, 1937.



The words "Takoma" and "Ready to Cook" are disclaimed apart from the mark.
For Dressed Poultry.
Claims use since Sept. 1, 1936.

Ser. No. 387,810. THE ARNOLD MILLING CO., Sterling, Kans. Filed Jan. 15, 1937.



The drawing is lined for red, blue, and yellow.
For Wheat Flour, Cereal Breakfast Food, Graham Flour, Whole Wheat Flour.
Claims use since November, 1931.

Ser. No. 388,777. THE IZZARD COMPANY, Seattle, Wash. Filed Feb. 11, 1937.



APPELLA

For Dehydrated Fruit Product Consisting of Apples Puffed into Small Globules Resembling Pop Corn.
Claims use since Nov. 27, 1936.

Ser. No. 388,778. THE IZZARD COMPANY, Seattle, Wash. Filed Feb. 11, 1937.



APPELLA

CRISPS

For Dehydrated Fruit Product Consisting of Apples Puffed into Small Globules Resembling Pop Corn.
Claims use since Nov. 27, 1936.

Ser. No. 389,361. LAYTON & COMPANY INC., Dover, Del. Filed Feb. 25, 1937.



The outline of the label is disclaimed.
For Canned Vegetables.
Claims use since Aug. 24, 1936.

Ser. No. 389,887. S. M. ROUSH, doing business as Western Olive Company, Corning, Calif. Filed Mar. 10, 1937.

SUN VALLEY

For Canned Olives.
Claims use since Jan. 19, 1937.

Ser. No. 389,955. WESTERN GRAIN COMPANY, Birmingham, Ala. Filed Mar. 12, 1937.



The words "Stands for Purity and Quality" are disclaimed apart from the mark. Applicant is the owner of trade-mark registrations Nos. 176,763 and 228,516. The portrait is fanciful.

For Horse and Mule Feed, Cow Feed, Bulky Mixer, Laying Mash, Hen Battery Mash, Growing Mash, Starting Mash, All Mash Chick Starter, Broiler Mash, Supplemental Mash, Station Fattener, Scratch Feed, Junior Scratch Feed, Baby Chick Scratch, Cracked Corn and Wheat Scratch, Pigeon Feed, Rabbit Feed, Dog Feed, Pig and Hog Supplement, Pig and Hog Ration, Wheat Shorts, Pure Wheat Bran, Corn Flour, Degerminated Bolted Pearl Meal, Degerminated Pearl Grits, Sifted Corn Chops, Selected Corn, Selected Oats, Selected Wheat, Selected Rye, Rye Meal, Crushed Rye, Whole Oat Groats, Ground Oat Groats, Crushed Oat Groats, Turkey Growing Mash, Turkey Laying Mash, Turkey All Mash Starter, and Wheat Chops.
Claims use since 1892.

Ser. No. 390,672. SCHUTTER CANDY COMPANY, Chicago, Ill. Filed Mar. 29, 1937.

Ice Cubes

The word "Cubes" is hereby disclaimed apart from the mark as shown.
For Candy.
Claims use since Jan. 15, 1937.

Ser. No. 390,785. GENERAL MILLS, INC., Minneapolis, Minn. Filed Apr. 1, 1937.

BELLE OF WACO

For Flour, Particularly Wheat Flour.
Claims use since July 26, 1906.

Ser. No. 390,823. C. THOMAS STORES SALES SYSTEM, INC., Minneapolis, Minn. Filed Apr. 1, 1937.

PANTRY TREAT

For Flour, Particularly Wheat Flour.
Claims use since Nov. 30, 1934.

Ser. No. 390,828. AMERICAN SALT CORPORATION, Chicago, Ill. Filed Apr. 2, 1937.

AMERICAN

ROYAL STOCK

The word "Stock" is disclaimed apart from the mark.
For Stock Salt.
Claims use since Dec. 4, 1930.

Ser. No. 390,841. T. B. DEVALCOURT, Sunset, La. Filed Apr. 2, 1937.



No claim is made to the word "Yams" apart from the mark as shown.
For Fresh Sweet Potatoes.
Claims use since Dec. 31, 1935.

Ser. No. 390,864. QUISENBERRY FEED PRODUCTS CO., Kansas City, Mo. Filed Apr. 2, 1937.

GREEN GOLD

For Dog Food.
Claims use since March, 1936.

Ser. No. 391,098. WALLA WALLA CANNING COMPANY, Walla Walla, Wash. Filed Apr. 8, 1937.

WHOPPER

For Canned Vegetables.
Claims use since Mar. 9, 1937.

Ser. No. 391,201. GEORGE C. BROWNE, Elmira, N. Y. Filed Apr. 12, 1937.

Browne's
MINUTE MAN
"Made in a Minute"

No claim is made to the words "Made in a Minute" apart from the mark shown in the drawing, no common law right being hereby waived.
For Peanut Butter.
Claims use since Feb. 3, 1937.

Ser. No. 391,458. BRIGGS LEMON ASSOCIATION, Santa Paula, Calif. Filed Apr. 17, 1937.

REGENT

For Fresh Citrus Fruit.
Claims use since Feb. 1, 1937.

CLASS 47
Wines

Ser. No. 391,235. G. LOEWUS & Co., INC., Newark, N. J. Filed Apr. 12, 1937.

CHATEAU CHERAY

For Wines.
Claims use since Dec. 1, 1936.

Ser. No. 391,369. AUSTIN, NICHOLS & Co., INC., Brooklyn, N. Y. Filed Apr. 15, 1937. Under 10-year proviso.

Austin, Nichols & Co.
(INCORPORATED)

For Wines.
Claims use since Jan. 1, 1879.

CLASS 48
Malt Beverages and Liquors

Ser. No. 391,662. THE F. & M. SCHAEFER BREWING CO., Brooklyn, N. Y. Filed Apr. 21, 1937.



The drawing is lined for red and black.
For Beer.
Claims use since Mar. 15, 1937.

Ser. No. 391,795. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y. Filed Apr. 24, 1937.

LODEX

For Syrup Used in the Preparation of Malt Beverages.
Claims use since May 4, 1933.

Ser. No. 391,803. DIAMOND SPRING BREWERY, INC., Lawrence, Mass. Filed Apr. 24, 1937.

DIAMOND SPRING

For Ale and Malt Beverages.
Claims use since Aug. 19, 1912.

CLASS 49
Distilled Alcoholic Liquors

Ser. No. 376,858. JOHN MORGAN, INC., Brooklyn, N. Y. Filed Apr. 6, 1936. Under 10-year proviso.

Kinloch

Morgan

For Whisky, Gin, Alcoholic Cordials, Bitters, and Alcoholic Beverages Compounded of the Same.
Claims use since January, 1894.

Ser. No. 385,100. ISAAC WED-LING WWE & EYDAM DIRCK HEKKER BRANNTWEIN & LIQUEUR-FABR., GENANNT DER LACHS GEGRÜNDET ANNO 1598, Danzig, Free City of Danzig. Filed Nov. 3, 1936.

Der Lachs

For Cordials and Liqueurs.
Claims use since 1598.

Ser. No. 385,112. E. G. ENGEL, Danzig, Free City of Danzig. Filed Nov. 3, 1936.



The word "Likör" is disclaimed apart from the mark.
For Cordials and Liqueurs.
Claims use since 1866.

Ser. No. 390,163. FAMOUS DISTRIBUTING CORPORATION, New York, N. Y. Filed Mar. 17, 1937.

OLD
OAKEN BUCKET



For Rye Whiskey, Bourbon Whiskey, Gin, Cordials, and Rum.
Claims use since Feb. 10, 1934.

Ser. No. 391,593. STANDARD DISTILLERS PRODUCTS, INC., Baltimore, Md. Filed Apr. 20, 1937.

CABIN
BRANCH

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials and Liqueurs.
Claims use since Mar. 30, 1937.

Ser. No. 391,594. STANDARD DISTILLERS PRODUCTS, INC., Baltimore, Md. Filed Apr. 20, 1937.

Old Hansom

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials and Liqueurs.
Claims use since Dec. 8, 1936.

Ser. No. 391,595. STANDARD DISTILLERS PRODUCTS, INC., Baltimore, Md. Filed Apr. 20, 1937.



Vankirk

The words "Baltimore", "Maryland", and "Trade-Mark" are disclaimed apart from the mark.
For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials and Liqueurs.
Claims use since Apr. 20, 1937.

Ser. No. 392,115. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 30, 1937.

HEATHER BELL

For Whiskey.
Claims use since Apr. 3, 1937.

Ser. No. 392,116. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 30, 1937.

ROYAL BARON

For Whiskey.
Claims use since Apr. 3, 1937.

Ser. No. 392,117. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 30, 1937.

King's Favorite

For Whiskey.
Claims use since Apr. 3, 1937.

Ser. No. 392,151. KASKO DISTILLERS PRODUCTS CORP., Philadelphia, Pa. Filed May 1, 1937.

Maryland Rose

For Whiskey.
Claims use since Oct. 1, 1934.

Ser. No. 392,152. KASKO DISTILLERS PRODUCTS CORP., Philadelphia, Pa. Filed May 1, 1937.

Stonehurst

For Whiskey.
Claims use since Aug. 29, 1934.

Ser. No. 392,176. WOODFORD COUNTY DISTILLERY CO., St. Louis, Mo., and Midway, Ky. Filed May 1, 1937.



For Whiskey.
Claims use since Jan. 11, 1937.

Ser. No. 392,193. CALLIS AND HAMMOND, INC., Baltimore, Md. Filed May 3, 1937.

BORDER STATE

For Whiskey.
Claims use since Apr. 19, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 386,926. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y. Filed Dec. 19, 1936.

SUPER-SHEDPEL

For Waterproofed Cotton Fabrics in the Piece.
Claims use since Apr. 11, 1914.

Ser. No. 390,334. A. J. TOWER COMPANY, Boston, Mass. Filed Mar. 20, 1937.

TOWERTEX

For Waterproofed Piece Goods.
Claims use since March, 1916.

Ser. No. 390,995. DRYCOR FELT COMPANY, Belleville, N. J. Filed Apr. 6, 1937.

DRYCOR

For Felts.
Claims use since July 1, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 8, 1937

346,697. ASPHALT PAINT. CHARLES C. PLUMB, doing business as C. C. Plumb Company, Providence, R. I.
Filed January 13, 1933. Serial No. 333,891. PUBLISHED MARCH 30, 1937. Class 16.

346,698. CREAM CHEESE. HARMONSBURG CREAMERY CO., INC., Harmonsburg, Pa.
Filed August 15, 1933. Serial No. 340,713. PUBLISHED OCTOBER 9, 1934. Class 46.

346,699. MEDICATED PADS FOR INSERTION INTO SHOES FOR DEODORIZING AND ELIMINATING BROMIDROSIS. FOOT FILTER, INC., Jersey City, N. J.
Filed October 24, 1935. Serial No. 370,762. PUBLISHED MARCH 16, 1937. Class 6.

346,700. CEREAL BREAKFAST FOODS. KELLOGG COMPANY, Battle Creek, Mich.
Filed November 15, 1935. Serial No. 371,596. PUBLISHED FEBRUARY 11, 1936. Class 46.

346,701. BATTERY TESTERS. TRIPLE-A-SPECIALTY COMPANY, Chicago, Ill.
Filed December 16, 1935. Serial No. 372,695. PUBLISHED MARCH 30, 1937. Class 26.

346,702. PERFUMES AND TOILET WATERS. MARK CROSS COMPANY, New York, N. Y.
Filed December 31, 1935. Serial No. 373,202. PUBLISHED MARCH 16, 1937. Class 6.

346,703. OLIVE OIL. SALVATORE SAPUTO, West New York, N. J.
Filed January 15, 1936. Serial No. 373,704. PUBLISHED MARCH 30, 1937. Class 46.

346,704. FACE POWDER, LIPSTICK, NOURISHING CREAM, WRINKLE CREAM, LIQUEFYING CLEANSING CREAM, DOUBLE WHIPPED CLEANSING CREAM, TISSUE CREAM, FINISHING CREAM, ASTRINGENT SKIN FRESHENER, ROUGE, AND PERFUMES. CHINARD COSMETICS, Los Angeles, Calif.
Filed January 23, 1936. Serial No. 373,998. PUBLISHED MARCH 31, 1936. Class 6.

346,705. ALLOY STEEL. INLAND STEEL COMPANY, Chicago, Ill.
Filed February 3, 1936. Serial No. 374,412. PUBLISHED MARCH 30, 1937. Class 14.

346,706. TOOTH BRUSHES. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed April 7, 1936. Serial No. 376,916. PUBLISHED MARCH 30, 1937. Class 29.

346,707. FACE POWDER. T. GOSTAGE LEEK, New York, N. Y., assignor to West Virginia Pulp & Paper Company, New York, N. Y., a corporation of Delaware.
Filed April 11, 1936. Serial No. 377,120. PUBLISHED MARCH 23, 1937. Class 6.

346,708. HAND LOTION, CLEANSING CREAM, PEACH CLEANSING CREAM, TEXTURE CREAM, FACIAL PACK, SKIN TONIC (LIQUID ASTRINGENT), FINISHING LOTION. WALTER P. CORCORAN, doing business as Madra Yvonne Co., Cincinnati, Ohio.
Filed April 17, 1936. Serial No. 377,304. PUBLISHED MARCH 16, 1937. Class 6.

346,709. WINE. CLARENCE A. HAMMER, New Orleans, La.
Filed April 27, 1936. Serial No. 377,686. PUBLISHED AUGUST 25, 1936. Class 47.

346,710. COMPOUND FOR THE TREATMENT OF SYPHILIS AND SIMILAR DISEASES. PHARMACEUTISCHE GESELLSCHAFT "VADAG" AKTIENGESELLSCHAFT, Vaduz, Liechtenstein.
Filed May 4, 1936. Serial No. 377,997. PUBLISHED MARCH 16, 1937. Class 6.

346,711. DOG AND ANIMAL REPELLENT USED TO PROTECT SHRUBBERY, PLANTS, AND TREES. BON-PIER COMPANY, Canton, Ohio.
Filed May 21, 1936. Serial No. 378,689. PUBLISHED MARCH 16, 1937. Class 6.

346,712. MOHAIR AND COTTON PILE FABRICS, IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed June 2, 1936. Serial No. 379,181. PUBLISHED MARCH 30, 1937. Class 42.

346,713. COFFEE. LOBLAW GROCETERIAS, INC., Buffalo, N. Y.
Filed June 9, 1936. Serial No. 379,479. PUBLISHED MARCH 30, 1937. Class 46.

346,714. ELECTRO-STEAM VAPORIZERS FOR SCALP TREATMENT. ELECTRO-BEST MANUFACTURING CO., Detroit and Highland Park, Mich.
Filed July 1, 1936. Serial No. 380,472. PUBLISHED MARCH 30, 1937. Class 44.

346,715. POWDER FOR THE RELIEF OF HYPERACIDITY AND SOUR STOMACH. SIDNEY B. SCOBELL, doing business as Nox Laboratories, Toronto, Ontario, Canada.
Filed July 7, 1936. Serial No. 380,719. PUBLISHED MARCH 23, 1937. Class 6.

346,716. PRIME-MOVER-DRIVEN ELECTRIC GENERATOR COMBINATIONS, INCLUDING WIND-DRIVEN AND ENGINE-DRIVEN ELECTRIC GENERATOR COMBINATIONS. WINCHARGER CORPORATION, Sioux City, Iowa.
Filed July 20, 1936. Serial No. 381,243. PUBLISHED MARCH 30, 1937. Class 21.

346,717. THERMO ELECTRIC GENERATORS. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed July 20, 1936. Serial No. 381,245. PUBLISHED MARCH 30, 1937. Class 21.

346,718. ENGINEERING AND DRAFTING INSTRUMENTS AND MORE PARTICULARLY COMPASSES, POCKET COMPASSES, HAND LEVELS, ETC. THE A. LIETZ CO., San Francisco, Calif.
Filed July 21, 1936. Serial No. 381,274. PUBLISHED MARCH 30, 1937. Class 26.

346,719. PILE FABRICS IN THE PIECE COMPOSED OF MOHAIR AND COTTON. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed July 23, 1936. Serial No. 381,353. PUBLISHED MARCH 30, 1937. Class 42.

346,720. BEER. ATLAS BREWING COMPANY, Chicago, Ill.
Filed August 3, 1936. Serial No. 381,749. PUBLISHED MARCH 2, 1937. Class 48.

346,721. SODIUM CHLORIDE TABLETS. STANDARD SAFETY EQUIPMENT CO., Chicago, Ill.
Filed August 13, 1936. Serial No. 382,140. PUBLISHED MARCH 30, 1937. Class 46.

346,722. ICE CREAM, SHERBETS, AND ICE CREAM BARS SOLD IN BULK OR IN PACKAGES; CANDY, BREAD, FRESH MILK, BUTTER, CHEESE. M. L. GRAHAM, Seattle, Wash.
Filed August 14, 1936. Serial No. 382,154. PUBLISHED MARCH 30, 1937. Class 46.

346,723. DYESTUFFS FOR CELLULOSE ACETATE MATERIALS. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed August 19, 1936. Serial No. 382,339. PUBLISHED OCTOBER 27, 1936. Class 6.

346,724. DYESTUFFS FOR COTTON, REAL SILK, REGENERATED CELLULOSE, AND VISCOSE. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed August 21, 1936. Serial No. 382,416. PUBLISHED OCTOBER 27, 1936. Class 6.

346,725. VARNISH, PAINT REMOVER, WOOD FILLER, AUTO AND FURNITURE POLISH, FLOOR AND AUTOMOBILE WAX, AND READY-MIXED PAINT IN PASTE OR POWDER FORM. THOMAS D. CHAMBERLAIN, doing business as T. D. Chamberlain Chemical Co., Scranton, Pa.
Filed September 3, 1936. Serial No. 382,862. PUBLISHED MARCH 30, 1937. Class 16.

346,726. CREAMS, OILS, AND POWDERS FOR THE CARE OF THE SKIN, COMPACT POWDER, ROUGE, ETC. NAAMLOOZE VENNOOTSCHAP PHARMACEUTISCHE FABRIEK A. MIJNHARDT, Zeist, Netherlands.
Filed September 10, 1936. Serial No. 383,104. PUBLISHED JANUARY 26, 1937. Class 6.

346,727. RUBBER LINED TANKS. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed September 10, 1936. Serial No. 383,111. PUBLISHED MARCH 30, 1937. Class 2.

346,728. ROOTS AND HERBS FOR HEARTBURN, NERVOUSNESS, HEADACHES, AND INSOMNIA. MARY KOWALSKI, doing business as New Life Herb Company, Chicago, Ill.
Filed September 4, 1936. Serial No. 383,115. PUBLISHED MARCH 23, 1937. Class 6.

346,729. MEDICINAL COMPOUND USED PRINCIPALLY FOR THE RELIEF OF PAIN AND COUGH. E. BILHUBER, INC., Jersey City, N. J.
Filed September 18, 1936. Serial No. 383,383. PUBLISHED MARCH 16, 1937. Class 6.

346,730. BAKERY PRODUCTS—NAMELY, BREAD. HELMS BAKERIES, Los Angeles, Calif.
Filed September 22, 1936. Serial No. 383,504. PUBLISHED MARCH 30, 1937. Class 46.

346,731. MEDICINAL PREPARATION USED IN THE TREATMENT OR PREVENTION OF COLDS AND AFFECTIONS OF THE THROAT AND NASAL PASSAGES, ALSO FOR THE TREATMENT OF NEURALGIA AND RHEUMATIC PAINS AND DISORDERS OF THE STOMACH. PO-HO-CO. A. G. BASEL GESELLSCHAFT FÜR PO-HO-VERBREITUNG, Basel, Switzerland.
Filed September 23, 1936. Serial No. 383,544. PUBLISHED MARCH 16, 1937. Class 6.

346,732. TABLETS FOR COLDS, HEADACHE, AND GENERAL PAIN. MILLER MEDICALS INC., Indianapolis, Ind.
Filed October 12, 1936. Serial No. 384,185. PUBLISHED MARCH 23, 1937. Class 6.

346,733. MOTOR TRUCKS. INDIANA MOTORS CORPORATION, Cleveland, Ohio.
Filed October 12, 1936. Serial No. 384,256. PUBLISHED FEBRUARY 2, 1937. Class 19.

346,734. RUBBER IMPREGNATED FIBER SHEET MATERIAL. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed October 16, 1936. Serial No. 384,410. PUBLISHED MARCH 30, 1937. Class 1.

346,735. FABRIC GLOVES AND MITTENS, SOCKS, STOCKINGS, NECKBANDS AND WRISTBANDS, AND UNDERCLOTHING FOR MEN, WOMEN, AND CHILDREN—NAMELY, PANTS, BUST BODICES, BODY BELTS, CAMISOLES, LADIES' KNICKERS, AND CORSETS OF THE BONELESS TYPE. MEDICATED FABRICS LIMITED, London, England.
Filed October 21, 1936. Serial No. 384,622. PUBLISHED MARCH 30, 1937. Class 39.

346,736. AMPLIFIED TELEPHONIC COMMUNICATION SYSTEM ADAPTED FOR INTER-OFFICE USE. TURNER COMPANY, Cedar Rapids, Iowa.
Filed October 21, 1936. Serial No. 384,633. PUBLISHED MARCH 30, 1937. Class 21.

346,737. ELECTRICALLY OPERATED APPARATUS USED IN THE SQUEEZING OF FRUITS. LOUIS LEVINE, doing business as Admiration Products Co., New York, N. Y.
Filed October 22, 1936. Serial No. 384,663. PUBLISHED MARCH 30, 1937. Class 21.

346,738. CANNED FOOD MADE FROM TOASTED WHEAT EMBRYO, ADAPTED TO BE MIXED WITH CEREALS, GRAVIES, SOUPS, SALADS, MILK, CREAM, FRUIT JUICES, VEGETABLES, OR OTHER FOOD, OR TO BE EATEN ALONE, CONTAINING VITAMIN B. HIRAM LANPHEAR & COMPANY, Chicago, Ill.
Filed October 21, 1936. Serial No. 384,728. PUBLISHED MARCH 30, 1937. Class 46.

346,739. JUVENILE VEHICLES COMPRISING SLEDS. THE AMERICAN-NATIONAL COMPANY, Toledo, Ohio.
Filed October 26, 1936. Serial No. 384,780. PUBLISHED MARCH 30, 1937. Class 22.

346,740. BEDS, SECRETARIES, CHESTS, TABLES, SHELVES, CHAIRS, SOFAS, DESKS, CUPBOARDS, BENCHES, DRESSING TABLES, ROCKERS, AND STOOLS. R. H. MACY & CO., INC., New York, N. Y.
Filed October 26, 1936. Serial No. 384,805. PUBLISHED MARCH 30, 1937. Class 32.

346,741. CONTAINERS MADE OF BASE METALS ALONE OR IN COMBINATION WITH EACH OTHER, ADAPTED FOR CONDIMENTS, MEDICAMENTS, COSMETICS, AND SIMILAR ARTICLES OFFERED FOR SALE AND SOLD IN EMPTY CONDITION TO THE TRADE. PATENT TUBE CORP., New York, N. Y.
Filed October 27, 1936. Serial No. 384,863. PUBLISHED MARCH 30, 1937. Class 2.

346,742. FRESH DECIDUOUS FRUITS. FRANK JILL, INC., New York, N. Y.
Filed November 2, 1936. Serial No. 385,043. PUBLISHED MARCH 30, 1937. Class 46.

346,743. CUBAN HONEY. CUBAN HEALTH PRODUCTS, INC., Lansing, Mich.
Filed November 4, 1936. Serial No. 385,133. PUBLISHED DECEMBER 15, 1936. Class 46.

346,744. DRY SALT FANCY SQUARE CUT PORK BELLIES AND EGGS. EAST TENNESSEE PACKING COMPANY, Knoxville, Tenn.
Filed November 4, 1936. Serial No. 385,138. PUBLISHED MARCH 30, 1937. Class 46.

346,745. NON-TOBACCO CIGARETTE SUBSTITUTES AND CELLULOSIC CASINGS FOR NON-TOBACCO FILLINGS. THE CHENEY CHEMICAL COMPANY, Cleveland, Ohio.
Filed November 7, 1936. Serial No. 385,249. PUBLISHED MARCH 30, 1937. Class 8.

346,746. APPARATUS FOR EXPANDING PISTONS. KOPPERS COMPANY, Pittsburgh, Pa., and Baltimore, Md.
Filed November 11, 1936. Serial No. 385,413. PUBLISHED MARCH 30, 1937. Class 23.

346,747. LADIES' AND GIRLS' DRESSES, SWEATERS, COATS, SUITS, SPORT JACKETS, SPORT SHIRTS, SLACKS, BATHING SUITS, HATS, HOSIERY, AND LEATHER, FABRIC, AND LEATHER AND FABRIC GLOVES, AND MEN'S AND BOYS' SWEATERS, OUTER SHIRTS, TIES, SOCKS, AND LEATHER, FABRIC, AND LEATHER AND FABRIC GLOVES. GOLDWATERS MERCANTILE CO., Phoenix, Ariz.
Filed November 14, 1936. Serial No. 385,463. PUBLISHED MARCH 30, 1937. Class 39.

346,748. SKIN CREAM, LIPSTICK, AND LIPSTICK REFILLS. ANTOINE DE PARIS, INC., New York, N. Y.
Filed November 19, 1936. Serial No. 385,719. PUBLISHED MARCH 23, 1937. Class 6.

346,749. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS. SOCIÉTÉ DES PARFUMS WEIL, SOCIÉTÉ ANONYME, Paris, France.
Filed November 20, 1936. Serial No. 385,809. PUBLISHED MARCH 16, 1937. Class 6.

346,750. RAZOR BLADES. GOLDSMIT BLACK, INCORPORATED, Pittsburgh, Pa.
Filed November 21, 1936. Serial No. 385,841. PUBLISHED MARCH 30, 1937. Class 23.

346,751. WHISKEY, GIN, AND LIQUEURS. L. E. JUNG & WULFF COMPANY, INC., New Orleans, La.
Filed November 21, 1936. Serial No. 385,843. PUBLISHED MARCH 30, 1937. Class 49.

346,752. LINIMENT FOR EXTERNAL USE. JOSEPHUS MOODY, doing business as Joe Moody, Detroit, Mich.
Filed November 23, 1936. Serial No. 385,896. PUBLISHED MARCH 30, 1937. Class 6.

346,753. ALGINIC ACID AND SALTS OF ALGINIC ACID, PARTICULARLY SODIUM ALGINATE. MANUCOL PRODUCTS LIMITED, London, England.
Filed November 24, 1936. Serial No. 385,932. PUBLISHED MARCH 16, 1937. Class 6.

346,754. NON-METALLIC MACHINERY BEARINGS. KARL W. ATWATER, Pittsburgh, Pa.
Filed November 27, 1936. Serial No. 386,008. PUBLISHED MARCH 30, 1937. Class 23.

346,755. MEN'S, YOUTHS', BOYS', AND CHILDREN'S SUITS, COATS, TROUSERS, VESTS, JACKETS, GOLF-SUITS, KNICKERS, OVERCOATS, TOPCOATS. M. WILE & COMPANY, INC., Buffalo, N. Y.
Filed November 27, 1936. Serial No. 386,059. PUBLISHED MARCH 30, 1937. Class 39.

346,756. MEDICINAL PREPARATION FOR USE AS A GENERAL TONIC, AN OINTMENT FOR THE TREATMENT OF SORES AND SKIN ERUPTIONS, AND COUGH SYRUP FOR COUGHS IN GENERAL. HARRY W. BOYD, Slippery Rock, Pa.
Filed November 30, 1936. Serial No. 386,096. PUBLISHED MARCH 16, 1937. Class 6.

346,757. CHEMICAL CLEANSING CREAM PREPARATION FOR REMOVING INK STAINS AND THE LIKE, ETC. DITTO, INCORPORATED, Chicago, Ill.
Filed November 30, 1936. Serial No. 386,102. PUBLISHED MARCH 30, 1937. Class 6.

346,758. VEHICLE HEATERS AND PARTS THEREOF, SAID HEATERS UTILIZING HOT FLUIDS FROM THE ENGINE. E. A. LABORATORIES, INC., Brooklyn, N. Y.
Filed December 1, 1936. Serial No. 386,152. PUBLISHED MARCH 30, 1937. Class 19.

346,759. DENTIFRICES. MARCUS A. FULLER, Springfield, Mass.
Filed December 2, 1936. Serial No. 386,208. PUBLISHED MARCH 16, 1937. Class 6.

346,760. DENTIFRICES. MARCUS A. FULLER, Springfield, Mass.
Filed December 2, 1936. Serial No. 386,209. PUBLISHED MARCH 16, 1937. Class 6.

346,761. FACIAL AND BODY COSMETIC CREAMS AND OILS. VITAMINT CORPORATION, Boston, Mass.
Filed December 2, 1936. Serial No. 386,228. PUBLISHED MARCH 23, 1937. Class 6.

346,762. MONO CALCIUM PHOSPHATE. BLOCKSON CHEMICAL CO., Joliet, Ill.
Filed December 4, 1936. Serial No. 386,303. PUBLISHED MARCH 16, 1937. Class 6.

346,763. SPRAYERS. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed December 5, 1936. Serial No. 386,385. PUBLISHED MARCH 30, 1937. Class 23.

346,764. AFTER SHAVING LOTION AND AFTER SHAVING POWDER. SAKS & COMPANY, New York, N. Y.
Filed December 7, 1936. Serial No. 386,453. PUBLISHED MARCH 23, 1937. Class 6.

346,765. DRUGS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS FOR RELIEVING AND TREATING COLDS, COUGHS, BRONCHITIS, LARYNGITIS, HAY FEVER, AND CATARRH. GIACOMO BERNARDI, doing business as Benaris, Cleveland, Ohio.
Filed December 8, 1936. Serial No. 386,477. PUBLISHED MARCH 16, 1937. Class 6.

346,766. CHEMICALS OR CHEMICAL PREPARATIONS USED IN CONNECTION WITH WATER TREATMENT FOR THE ELIMINATION OF RUST AND SCALE WITHIN BOILERS AND WATER SYSTEMS. CALCINITE CHEMICALS, INC., Yonkers and New York, N. Y.
Filed December 4, 1936. Serial No. 386,563. PUBLISHED MARCH 23, 1937. Class 6.

346,767. KEY CASES. NELS H. SWANSON, Chicago, Ill.
Filed December 11, 1936. Serial No. 386,669. PUBLISHED MARCH 30, 1937. Class 3.

346,768. MANGE SALVE OR OINTMENT FOR CATS AND DOGS. NORMAN C. MACQUITHY, doing business as Rid Products, Terre Haute, Ind.
Filed December 12, 1936. Serial No. 386,683. PUBLISHED MARCH 23, 1937. Class 6.

346,769. ILLUMINATED INSTRUMENT DIALS. THE MAGNAVOX COMPANY, Fort Wayne, Ind.
Filed December 12, 1936. Serial No. 386,684. PUBLISHED MARCH 30, 1937. Class 26.

346,770. FRESH FRUITS—NAMELY, FRESH GRAPES, AND FRESH VEGETABLES. BEN B. KRASNOW, doing business as Ben B. Krasnow Co., Sacramento, Calif.
Filed December 14, 1936. Serial No. 386,733. PUBLISHED MARCH 30, 1937. Class 46.

346,771. FACE LIFTING APPLIANCES. JANE MCKINLAY, doing business as Rejuvo Sales Co., Los Angeles, Calif.
Filed December 14, 1936. Serial No. 386,736. PUBLISHED MARCH 30, 1937. Class 44.

346,772. TABLE PADS. UNITED ASBESTOS PAD CORP., Chicago, Ill.
Filed December 14, 1936. Serial No. 386,751. PUBLISHED MARCH 30, 1937. Class 32.

346,773. SUPPOSITORIES FOR VAGINAL AILMENTS. LOUIS I. WEINER, doing business as Pharma-Clinical Laboratories, New York, N. Y.
Filed December 15, 1936. Serial No. 386,783. PUBLISHED MARCH 23, 1937. Class 6.

346,774. DRAWING KITS FOR DUPLICATING PURPOSES, LEAD PENCILS, LEADS FOR PENCILS, PRINTED FORMS, PAPER AND STATIONERY, ETC. DITTO, INCORPORATED, Chicago, Ill.
Filed December 16, 1936. Serial No. 386,793. PUBLISHED MARCH 30, 1937. Class 37.

346,775. PHOTOGRAPHIC CAMERAS. AGFA ANSCO CORPORATION, Binghamton, N. Y.
Filed December 17, 1936. Serial No. 386,838. PUBLISHED MARCH 30, 1937. Class 26.

346,776. ANTI-FREEZE SOLUTION. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed December 17, 1936. Serial No. 386,859. PUBLISHED MARCH 23, 1937. Class 6.

346,777. BREATH NEUTRALIZER IN TABLET FORM. DAVE O. LOFTHOUSE, Bemidji, Minn.
Filed December 17, 1936. Serial No. 386,864. PUBLISHED MARCH 16, 1937. Class 6.

346,778. INSECTICIDES AND FUNGICIDES. HAMMOND PAINT & CHEMICAL CO., Beacon, N. Y.
Filed December 18, 1936. Serial No. 386,895. PUBLISHED MARCH 30, 1937. Class 6.

346,779. GIN. SAZERAC COMPANY, INC., New Orleans, La.
Filed December 18, 1936. Serial No. 386,912. PUBLISHED MARCH 30, 1937. Class 49.

346,780. WATERMARKED PRINTING PAPER SOLD AS SUCH. AFFILIATED ENTERPRISES, INC., Denver, Colo.
Filed November 30, 1936. Serial No. 386,923. PUBLISHED MARCH 30, 1937. Class 37.

346,781. HIGH COUNT, LIGHT WEIGHT COTTON FABRICS DYED AND WATERPROOFED FOR SPORT AND OUTDOOR CLOTHING PURPOSES IN THE PIECE. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y.
Filed December 19, 1936. Serial No. 386,928. PUBLISHED MARCH 30, 1937. Class 50.

346,782. COMPOSITION FOR USE IN PLUCKING BIRDS. OWEN D. FROST, doing business as Willow Spring Farm, Millington, N. J.
Filed December 19, 1936. Serial No. 386,938. PUBLISHED MARCH 23, 1937. Class 6.

346,783. WATER RESISTANT COTTON DUCK IN THE PIECE. MARTIN DYEING & FINISHING COMPANY, Bridgeton, N. J.
Filed December 19, 1936. Serial No. 386,956. PUBLISHED MARCH 30, 1937. Class 50.

346,784. AUTOMOBILES AND STRUCTURAL PARTS THEREOF. REO MOTOR CAR COMPANY, Lansing, Mich.
Filed December 19, 1936. Serial No. 386,961. PUBLISHED MARCH 30, 1937. Class 19.

346,785. HAIR TINT, HAIR SHAMPOO, AND HAIR TINT DEVELOPER. TRU-LYTE LABORATORIES, Oakland, Calif.
Filed December 21, 1936. Serial No. 387,010. PUBLISHED MARCH 23, 1937. Class 6.

346,786. MEDICINAL PREPARATION TO BE USED IN THE TREATMENT OF ANAEMIC CONDITIONS. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y.
Filed December 22, 1936. Serial No. 387,022. PUBLISHED MARCH 23, 1937. Class 6.

346,787. COSMETICS AND TOILET PREPARATIONS—NAMELY, FACE POWDER, LIP STICK, EYE SHADOW, CREAM ROUGE, DRY ROUGE, EYEBROW PENCIL, ETC. THE HOUSE OF WESTMORE, INC., Los Angeles, Calif.
Filed December 23, 1936. Serial No. 387,068. PUBLISHED MARCH 30, 1937. Class 6.

346,788. MEN'S WOOLENS. SCHATZ-POLLACK WOOLEN COMPANY, INC., Chicago, Ill.
Filed December 24, 1936. Serial No. 387,159. PUBLISHED MARCH 30, 1937. Class 42.

346,789. MALT BEVERAGE. INDEPENDENT MILWAUKEE BREWERY, Milwaukee, Wis.
Filed December 28, 1936. Serial No. 387,187. PUBLISHED MARCH 30, 1937. Class 48.

346,790. MEDICINAL PREPARATION FOR THE TREATMENT OF INFLAMMATORY ARTHRITIS, NEURITIS, SWOLLEN JOINTS, LEG CRAMPS, AND MUSCULAR PAINS. FRANKLIN LEE TABER, Winslow, Ariz.
Filed December 28, 1936. Serial No. 387,228. PUBLISHED MARCH 9, 1937. Class 6.

346,791. MEDICATED MINERAL FEED FOR LIVE STOCK AND POULTRY. THE MYCO-LAC MINERAL-YEAST COMPANY, Atchison, Kans.
Filed December 29, 1936. Serial No. 387,250. PUBLISHED MARCH 23, 1937. Class 6.

346,792. RAZOR BLADES. BENACO PRODUCTS COMPANY, Chicago, Ill.
Filed December 30, 1936. Serial No. 387,264. PUBLISHED MARCH 30, 1937. Class 23.

346,793. OINTMENT FOR THE RELIEF OF ATHLETE'S FOOT, CHILBLAINS, LEG SORES, ECZEMA, FACIAL BLOTCHES, ITCH, PILES, STINGS, SUNBURN, AND THE LIKE. BONZENE MANUFACTURING CO., Bessemer, Mich.
Filed December 31, 1936. Serial No. 387,311. PUBLISHED MARCH 30, 1937. Class 6.

346,794. CRACKERS, BISCUITS, AND CAKES. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y.
Filed December 31, 1936. Serial No. 387,333. PUBLISHED MARCH 30, 1937. Class 46.

346,795. CRACKERS, BISCUITS, AND CAKES. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y.
Filed December 31, 1936. Serial No. 387,334. PUBLISHED MARCH 30, 1937. Class 46.

346,796. MEDICINAL PREPARATION FOR CONDITIONS ASSOCIATED WITH EXHAUSTION OF THE CARDIAC MUSCLE, PRIMARILY IN CASES OF AURICULAR FIBRILLATION. SCHERING CORPORATION, Bloomfield, N. J.
Filed January 2, 1937. Serial No. 387,399. PUBLISHED MARCH 16, 1937. Class 6.

346,797. FLEXIBLE SHAFTING. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa.
Filed January 2, 1937. Serial No. 387,416. PUBLISHED MARCH 30, 1937. Class 23.

346,798. PILE OINTMENT. FRANCIS E. ZEPP, Miami, Fla.
Filed January 6, 1937. Serial No. 387,417. PUBLISHED MARCH 16, 1937. Class 6.

346,799. MONOCALCIUM PHOSPHATE. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va.
Filed January 4, 1937. Serial No. 387,447. PUBLISHED MARCH 16, 1937. Class 6.

346,800. HYDRAULIC BRAKE FLUID FOR USE IN AUTOMOBILES. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed January 5, 1937. Serial No. 387,449. PUBLISHED MARCH 16, 1937. Class 6.

346,801. OINTMENT FOR USE IN TREATING COMMON COLDS IN THE HEAD OR CHEST, COUGHS DUE TO SUCH COLDS, AND FOR THE TREATMENT OF CHILBLAINS AND MINOR MUSCULAR ACHES AND PAINS. CARTER DRUG COMPANY, Carlisle, Pa.
Filed January 5, 1937. Serial No. 387,451. PUBLISHED MARCH 23, 1937. Class 6.

346,802. PERFUMES. GABILLA, INCORPORATED, New York, N. Y.
Filed January 5, 1937. Serial No. 387,464. PUBLISHED MARCH 30, 1937. Class 6.

346,803. FROZEN CHOCOLATE FUDGE. THE BORDEN COMPANY, New York, N. Y., and Chicago, Ill.
Filed January 6, 1937. Serial No. 387,491. PUBLISHED MARCH 30, 1937. Class 46.

346,804. PERFUME., BOURJOIS, INC., New York, N. Y.
Filed January 6, 1937. Serial No. 387,492. PUBLISHED MARCH 16, 1937. Class 6.

346,805. SLENDERIZING DRINK. TILLIE L. SCHWARTZ, doing business as Tee-El-Ess Company, Brooklyn, N. Y.
Filed January 6, 1937. Serial No. 387,517. PUBLISHED MARCH 23, 1937. Class 6.

346,806. ASH TRAYS. ALBERT A. VUCCINO, New York, N. Y.
Filed January 6, 1937. Serial No. 387,525. PUBLISHED MARCH 30, 1937. Class 8.

346,807. BREATH DEODORIZER. THE UNIVERSAL MATCH CORPORATION, doing business as Mist-O-Mint Co., St. Louis, Mo., and Decatur, Ill.
Filed January 6, 1937. Serial No. 387,526. PUBLISHED MARCH 30, 1937. Class 6.

346,808. MEDICINAL COMPOUND FOR TREATMENT OF ANEMIA. CHAPPEL BROS., INC., Rockford, Ill.
Filed January 7, 1937. Serial No. 387,538. PUBLISHED MARCH 16, 1937. Class 6.

346,809. PROTECTIVE SICCATIVE COATING FOR AUTO, MARINE, AND OTHER EXPOSED METAL SURFACES. EVANS-WALTON COMPANY, Detroit, Mich.
Filed January 7, 1937. Serial No. 387,547. PUBLISHED MARCH 30, 1937. Class 16.

346,810. SALT AND PEPPER SHAKERS MADE OF GLASS WITH TOPS MADE OF A COMPOSITION MATERIAL. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio.
Filed January 7, 1937. Serial No. 387,554. PUBLISHED MARCH 30, 1937. Class 2.

346,811. PIECE GOODS OF KNITTED SYNTHETIC AND RAYON FABRICS. SCHAFFRAN & LANDA, INC., New York, N. Y.
Filed January 7, 1937. Serial No. 387,563. PUBLISHED MARCH 30, 1937. Class 42.

346,812. RUM. SCHIEFFELIN & CO., New York, N. Y.
Filed January 7, 1937. Serial No. 387,564. PUBLISHED MARCH 30, 1937. Class 49.

346,813. PREPARATION FOR USE IN CHECKING MICRO-ORGANISMS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed January 7, 1937. Serial No. 387,569. PUBLISHED MARCH 16, 1937. Class 6.

346,814. CALCIUM CHLORIDE. MECHLING BROTHERS CHEMICAL COMPANY, Camden, N. J., assignor to General Chemical Company.
Filed January 8, 1937. Serial No. 387,586. PUBLISHED MARCH 16, 1937. Class 6.

346,815. LADIES' AND MISSES' BLOUSES. MITCHELL & WEBER, INC., New York, N. Y.
Filed January 8, 1937. Serial No. 387,588. PUBLISHED MARCH 30, 1937. Class 39.

346,816. MEDICINAL PREPARATION SUITABLE FOR USE AS A LAXATIVE, PURGATIVE, APERIENT, DIURETIC, INTESTINAL ELIMINANT, AND FOR THE TREATMENT OF CONSTIPATION AND AILMENTS ATTRIBUTABLE THERETO. PICOT LABORATORIES, INC., Wilmington, Del.
Filed January 8, 1937. Serial No. 387,595. PUBLISHED MARCH 16, 1937. Class 6.

346,817. PREGNANCY-TEST PREPARATION. E. R. SQUIBB & SONS, New York, N. Y.
Filed January 8, 1937. Serial No. 387,601. PUBLISHED MARCH 16, 1937. Class 6.

346,818. BAY RUM. ANTONIO CALIGAS, doing business as Boricua Medicine Company, New York, N. Y.
Filed January 9, 1937. Serial No. 387,619. PUBLISHED MARCH 16, 1937. Class 6.

346,819. MEDICATED OINTMENT FOR THE RELIEF OF CONGESTION AND COLDS. THE GROVE LABORATORIES, INC., also doing business as Beaumont Laboratories, Wilmington, Del., and St. Louis, Mo.
Filed January 9, 1937. Serial No. 387,621. PUBLISHED MARCH 16, 1937. Class 6.

346,820. INTERNAL COMBUSTION ENGINES, COMPRESSORS, AND PUMPS. KAHLENBERG BROS. CO., Two Rivers, Wis.
Filed January 9, 1937. Serial No. 387,624. PUBLISHED MARCH 30, 1937. Class 23.

346,821. NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMERY PURPOSES, ASTRINGENTS, ASTRINGENT CÉRATES, BLEACH CREAMS, ETC. RIFA-NEW YORK, INC., New York, N. Y.
Filed January 9, 1937. Serial No. 387,630. PUBLISHED MARCH 16, 1937. Class 6.

346,822. SYRUP FOR USE AS A SEDATIVE AND EXPECTORANT IN COUGHS DUE TO COLDS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed January 11, 1937. Serial No. 387,649. PUBLISHED MARCH 16, 1937. Class 6.

346,823. ELECTRICAL WIRING DEVICES—NAMELY, ELECTRICAL SERVICE ENTRANCE EQUIPMENT, CUT-OUT CABINETS, CABLE FITTINGS, AND SWITCH BOXES. ANCHOR MANUFACTURING CO., Boston, Mass.
Filed January 11, 1937. Serial No. 387,650. PUBLISHED MARCH 30, 1937. Class 21.

346,824. LIQUID PREPARATION FOR THE TREATMENT OF EARACHE. CHICAGO PHARMACAL CO., Chicago, Ill.
Filed January 11, 1937. Serial No. 387,656. PUBLISHED MARCH 30, 1937. Class 6.

346,825. COMBINATION BAND SAWING AND FILING MACHINE. CONTINENTAL MACHINE SPECIALTIES, INC., Minneapolis, Minn.
Filed January 11, 1937. Serial No. 387,660. PUBLISHED MARCH 30, 1937. Class 23.

346,826. BEAUTY CREAMS, CLEANSING CREAMS, LIQUEFYING CREAMS, COLD CREAMS, TISSUE CREAMS, VITAMIN CREAMS, VANISHING CREAMS, HAND CREAMS, SKIN LOTIONS, FACE POWDERS, ASTRINGENTS, AND HAIR TONICS. ELLEN CLARICE DOWNEY, doing business as Ellen Clarice Co., Detroit, Mich., Hollywood, Calif., and New York, N. Y.
Filed January 11, 1937. Serial No. 387,664. PUBLISHED MARCH 16, 1937. Class 6.

346,827. FUEL OIL METERS. FLUID METERS, INC., New York, N. Y.
Filed January 11, 1937. Serial No. 387,667. PUBLISHED MARCH 30, 1937. Class 26.

346,828. ELECTRICAL CURRENT CONTROLLING DEVICES—NAMELY, RESISTORS AND CONDENSERS. ERIE RESISTOR CORPORATION, Erie, Pa.
Filed January 11, 1937. Serial No. 387,682. PUBLISHED MARCH 30, 1937. Class 21.

346,829. UPHOLSTERED SOFAS, CHAIRS, AND LOVE SEATS. BULLOCK'S, INC., Los Angeles, Calif.
Filed January 13, 1937. Serial No. 387,734. PUBLISHED MARCH 30, 1937. Class 32.

346,830. HORSE NAILS. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn.
Filed January 13, 1937. Serial No. 387,739. PUBLISHED MARCH 30, 1937. Class 13.

346,831. STOMACH PREPARATION. KENT REMEDIES, INC., Brooklyn, N. Y.
Filed January 13, 1937. Serial No. 387,747. PUBLISHED MARCH 16, 1937. Class 6.

346,832. COUGH MEDICINE. KENT REMEDIES, INC., Brooklyn, N. Y.
Filed January 13, 1937. Serial No. 387,748. PUBLISHED MARCH 16, 1937. Class 6.

346,833. SINGLE AND/OR DOUBLE EDGE SAFETY RAZOR BLADES. HENRY F. SAMSTAG, New York, N. Y.
Filed January 13, 1937. Serial No. 387,755. PUBLISHED MARCH 30, 1937. Class 23.

346,834. MEDICINAL PREPARATION, MORE PARTICULARLY FOR SHRINKING THE NASAL MUCOSA. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed January 13, 1937. Serial No. 387,757. PUBLISHED MARCH 16, 1937. Class 6.

346,835. CANDY—NAMELY, CHOCOLATES. WAVERLY COCOA & CHOCOLATE CO., INC., Brooklyn, N. Y.
Filed January 13, 1937. Serial No. 387,761. PUBLISHED MARH 30, 1937. Class 46.

346,836. HAIR WAVING SOLUTION, HAIR RINSE, HAIR TONIC, AND HAIR SHAMPOO. SAMUEL BONAT & BRO., New York, N. Y.
Filed January 14, 1937. Serial No. 387,776. PUBLISHED MARCH 16, 1937. Class 6.

346,837. OIL BURNERS. GILBERT & BARKER MANUFACTURING COMPANY, West Springfield, Mass.
Filed January 14, 1937. Serial No. 387,783. PUBLISHED MARCH 30, 1937. Class 34.

346,838. WINDOW CURTAINS. BEACON LOOMS, INC., New York, N. Y.
Filed January 15, 1937. Serial No. 387,814. PUBLISHED MARCH 30, 1937. Class 42.

346,839. NITRATE OF SODA. CHILEAN NITRATE SALES CORPORATION, New York, N. Y.
Filed January 15, 1937. Serial No. 387,818. PUBLISHED MARCH 16, 1937. Class 6.

346,840. FABRICS IN THE PIECE OF SILK, COTTON, WOOL, OR RAYON. DUMARI TEXTILE CO., INC., New York, N. Y.
Filed January 15, 1937. Serial No. 387,819. PUBLISHED MARCH 30, 1937. Class 42.

346,841. PERFUME AND FACE POWDER. DOROTHY GRAY SALONS, Bloomfield, N. J.
Filed January 16, 1937. Serial No. 387,865. PUBLISHED MARCH 23, 1937. Class 6.

346,842. RADIO RECEIVING SETS. THE HALLICRAFTERS, INC., Chicago, Ill.
Filed January 18, 1937. Serial No. 387,901. PUBLISHED MARCH 30, 1937. Class 21.

346,843. RADIO RECEIVING SETS. THE HALLICRAFTERS, INC., Chicago, Ill.
Filed January 18, 1937. Serial No. 387,904. PUBLISHED MARCH 30, 1937. Class 21.

346,844. INSECTICIDES. MECHLING BROTHERS CHEMICAL COMPANY, Camden, N. J., assignor to General Chemical Company.
Filed January 18, 1937. Serial No. 387,913. PUBLISHED MARCH 23, 1937. Class 6.

346,845. FLUID MIXTURE FOR USE IN HYDRAULIC BRAKE SYSTEMS AND A LIQUEFIED MIXTURE FOR STOPPING LEAKS IN AUTOMOBILE RADIATORS AND SIMILAR USES. PURITAN SOAP COMPANY, Rochester, N. Y.
Filed January 18, 1937. Serial No. 387,920. PUBLISHED MARCH 23, 1937. Class 6.

346,846. VALVES FOR SUPPLYING WATER TO DRAIN TRAPS. THE PHILLIPS CORPORATION, Portland, Oreg.
Filed January 19, 1937. Serial No. 387,953. PUBLISHED MARCH 30, 1937. Class 13.

346,847. THERMO-PLASTIC MOLDING POWDER. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed January 21, 1937. Serial No. 387,990. PUBLISHED MARCH 30, 1937. Class 1.

346,848. MALT BEVERAGES AND BEER. FREDERICK BROS., INC., Chicago, Ill.
Filed January 21, 1937. Serial No. 387,998. PUBLISHED MARCH 30, 1937. Class 48.

346,849. CASTING METALS USED IN DENTISTRY. THE WILLIAMS GOLD REFINING CO., INC., Buffalo, N. Y.
Filed January 21, 1937. Serial No. 388,041. PUBLISHED MARCH 30, 1937. Class 44.

346,850. WHISKEY, GIN, RUM, RYE, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed January 22, 1937. Serial No. 388,048. PUBLISHED MARCH 30, 1937. Class 49.

346,851. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. MOLLA MALLORY, New York, N. Y.
Filed January 22, 1937. Serial No. 388,067. PUBLISHED MARCH 30, 1937. Class 39.

346,852. NONALCOHOLIC BEVERAGE USED AS SOFT DRINK. SOLOMON A. WALD, New York, N. Y.
Filed January 22, 1937. Serial No. 388,077. PUBLISHED MARCH 23, 1937. Class 45.

346,853. WAFERS FLAVORED WITH CHEESE AND CELERY. THE LAUREL BISCUIT COMPANY, Dayton, Ohio.
Filed January 25, 1937. Serial No. 388,139. PUBLISHED MARCH 30, 1937. Class 46.

346,854. SLIDE OPERATED FASTENERS. THE G. E. PRENTICE MANUFACTURING COMPANY, Berlin, Conn.
Filed January 25, 1937. Serial No. 388,143. PUBLISHED MARCH 30, 1937. Class 13.

346,855. STENOGRAPHERS' BOOKS, NOTEBOOKS, COMPOSITION AND WRITING BOOKS. REYNOLDS MFG. CO., Holyoke, Mass.
Filed January 27, 1937. Serial No. 388,243. PUBLISHED MARCH 30, 1937. Class 37.

346,856. HOSIERY. S. S. KRESGE COMPANY, Detroit, Mich.
Filed January 28, 1937. Serial No. 388,268. PUBLISHED MARCH 30, 1937. Class 39.

346,857. SPRING WATER AND NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. OZONE CO., INC., New Orleans, La.
Filed January 28, 1937. Serial No. 388,276. PUBLISHED MARCH 30, 1937. Class 45.

346,858. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed January 29, 1937. Serial No. 388,303. PUBLISHED MARCH 30, 1937. Class 42.

346,859. BOILER-TUBE CLEANERS OR SCRAPERS. A. W. CHESTERTON COMPANY, Boston, Mass.
Filed January 29, 1937. Serial No. 388,307. PUBLISHED MARCH 30, 1937. Class 23.

346,860. LINOLEUM. CONGOLEUM-NAIRN INC., Kearny, N. J.
Filed January 29, 1937. Serial No. 388,312. PUBLISHED MARCH 30, 1937. Class 20.

346,861. PRINTING INKS. THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y.
Filed January 29, 1937. Serial No. 388,320. PUBLISHED MARCH 30, 1937. Class 11.

346,862. RAYON PIECE GOODS. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed January 30, 1937. Serial No. 388,344. PUBLISHED MARCH 30, 1937. Class 42.

346,863. PLAIN AND PRINTED RAYON AND ACETATE CLOTH. CHOPAK TEXTILE CO. INC., New York, N. Y.
Filed January 30, 1937. Serial No. 388,346. PUBLISHED MARCH 30, 1937. Class 42.

346,864. BEER. MISSOULA BREWING CO., Missoula, Mont.
Filed January 30, 1937. Serial No. 388,361. PUBLISHED MARCH 30, 1937. Class 48.

346,865. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio.
Filed January 30, 1937. Serial No. 388,379. PUBLISHED MARCH 23, 1937. Class 22.

346,866. INSECTICIDES AND DRAIN PIPE CLEANER. DERRIS, INC., New York, N. Y.
Filed February 1, 1937. Serial No. 388,389. PUBLISHED MARCH 30, 1937. Class 6.

346,867. CARBONATED SOFT DRINKS WITH LEMON FLAVOR PREDOMINATING, AND FOR NONALCOHOLIC MALTLESS EXTRACTS AND CONCENTRATED FRUIT SYRUPS USED IN THE PREPARATION OF SAID SOFT DRINKS. NATURAL SET UP SALES CORPORATION, St. Louis, Mo.
Filed February 1, 1937. Serial No. 388,405. PUBLISHED MARCH 30, 1937. Class 45.

346,868. LADDERS AND SCAFFOLD EQUIPMENT. UECKER EQUIPMENT COMPANY, Wauwatosa, Wis.
Filed February 1, 1937. Serial No. 388,422. PUBLISHED MARCH 30, 1937. Class 50.

346,869. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. ANDERMAN-BOB BURNS, INC., New York, N. Y.
Filed February 2, 1937. Serial No. 388,427. PUBLISHED MARCH 30, 1937. Class 39.

346,870. PERFUME. FLORENCE OSBORNE, Cleveland Heights, Ohio.
Filed February 2, 1937. Serial No. 388,461. PUBLISHED MARCH 30, 1937. Class 6.

346,871. ELECTRICAL APPARATUS FOR PERMANENTLY WAVING HAIR. VIDUELLE PERMANENT WAVE CO., San Francisco, Calif.
Filed February 2, 1937. Serial No. 388,473. PUBLISHED MARCH 30, 1937. Class 44.

346,872. WHISKEY. WOODFORD COUNTY DISTILLERY CO., Midway, Ky.
Filed February 1, 1937. Serial No. 388,474. PUBLISHED MARCH 30, 1937. Class 49.

346,873. COAL AND HARDWOOD CHARCOAL. GOULD COMPANY, Philadelphia, Pa.
Filed January 12, 1937. Serial No. 388,487. PUBLISHED MARCH 30, 1937. Class 1.

346,874. LADIES' COATS. AARON CRAMER, INC., New York, N. Y.
Filed February 3, 1937. Serial No. 388,488. PUBLISHED MARCH 30, 1937. Class 39.

346,875. COAL. OLD BEN COAL CORPORATION, Chicago, Ill.
Filed February 3, 1937. Serial No. 388,509. PUBLISHED MARCH 30, 1937. Class 1.

346,876. FRUIT JUICE EXTRACTORS. FOSTER L. TALGE, doing business as Rival Manufacturing Company, Kansas City, Mo.
Filed February 4, 1937. Serial No. 388,552. PUBLISHED MARCH 30, 1937. Class 23.

346,877. CIGARS. GOODWILL CIGAR COMPANY, Atlantic City, N. J.
Filed February 5, 1937. Serial No. 388,573. PUBLISHED MARCH 30, 1937. Class 17.

346,878. ZIRCON, RUTILE, AND ILMENITE. NATIONAL MINERALS CORPORATION, New York, N. Y.
Filed February 5, 1937. Serial No. 388,589. PUBLISHED MARCH 30, 1937. Class 1.

346,879. DEVICE FOR VIEWING DENTAL X-RAY FILMS AND THE LIKE. X-RAY PANORASCOPE, INC., Jamaica, N. Y.
Filed February 6, 1937. Serial No. 388,625. PUBLISHED MARCH 30, 1937. Class 44.

346,880. EXPLOSIVES—NAMELY, POWDER AND DYNAMITE. ATLAS POWDER COMPANY, Wilmington, Del.
Filed February 11, 1937. Serial No. 388,750. PUBLISHED MARCH 30, 1937. Class 9.

346,881. COIN-CONTROLLED AMUSEMENT APPARATUS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed February 11, 1937. Serial No. 388,800. PUBLISHED MARCH 30, 1937. Class 22.

346,882. READY MIXED, PASTE, AND POWDER FORM PAINTS, VARNISHES, AND PAINT ENAMELS. IRONHARD PAINT & COLOR WORKS LTD., Los Angeles, Calif.
Filed February 15, 1937. Serial No. 388,938. PUBLISHED MARCH 30, 1937. Class 16.

346,883. READY MIXED, PASTE, AND POWDER FORM PAINTS, VARNISHES, AND PAINT ENAMELS. IRONHARD PAINT & COLOR WORKS LTD., Los Angeles, Calif.
Filed February 15, 1937. Serial No. 388,939. PUBLISHED MARCH 30, 1937. Class 16.

346,884. DOLLS, COSTUMES FOR DOLLS, PARTS OF COSTUMES FOR DOLLS, AND DOLLS' WIGS. IDEAL NOVELTY & TOY COMPANY, Long Island City, N. Y.
Filed February 16, 1937. Serial No. 388,983. PUBLISHED MARCH 30, 1937. Class 22.

346,885. GIN, WHISKEY, RUM, BRANDY, AND ALCOHOLIC CORDIALS. OLD COLLINS COMPANY, INC., DISTILLERS, New York, N. Y.
Filed February 19, 1937. Serial No. 389,147. PUBLISHED MARCH 30, 1937. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

346,886. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) THE AMERICAN FOUNDRY EQUIPMENT COMPANY, Mishawaka, Ind. Filed Mar. 18, 1936. Serial No. 376,116.

DUSTUBE

For Machinery and Equipment for Ventilating and Dust Collecting and Controlling Units.
Claims use since Feb. 19, 1936.

346,887. (CLASS 37. PAPER AND STATIONERY.) C. A. REED COMPANY, Williamsport, Pa. Filed Mar. 28, 1936. Serial No. 376,544.

Kitchen-Pac

For Cardboard Boxes of Paper Napkins.
Claims use since November, 1935.

346,888. (CLASS 37. PAPER AND STATIONERY.) OLD COLONY ENVELOPE COMPANY, Westfield, Mass. Filed Apr. 16, 1936. Serial No. 377,279.

SEECLEAR

For Correspondence and Mailing Envelopes.
Claims use since Mar. 5, 1936.

346,889. (CLASS 39. CLOTHING.) W. T. GRANT COMPANY, New York, N. Y. Filed Apr. 22, 1936. Serial No. 377,506.

LOVLEE

For Women's Silk Hose.
Claims use since Mar. 15, 1935.

346,890. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CURTICE BROTHERS CO., Rochester, N. Y. Filed May 2, 1936. Serial No. 377,914.



For Canned Fruits, Tomato Juice, and Vegetables.
Claims use since Mar. 17, 1936.

346,891. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SHOTWELL MANUFACTURING CO., Chicago, Ill. Filed May 2, 1936. Serial No. 377,945.

Salad Mallows

For Candy—Namely, Marshmallows.
Claims use since Apr. 1, 1936.

346,892. (CLASS 39. CLOTHING.) SCHLEISNER COMPANY, INC., Baltimore, Md. Filed May 9, 1936. Serial No. 378,271.

Ann Powell

For Cotton Dresses, Tailored and Silk Dresses for Women, Misses, and Children, Sweaters and Blouses.
Claims use since Apr. 15, 1936.

346,893. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOGAN MILLING COMPANY, Junction City, Kans. Filed May 18, 1936. Serial No. 378,566.

Hogan's

"that good flour"

Guaranteed to be just that!

For Wheat Flour.
Claims use since Apr. 25, 1936.

346,894. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SAN-NAP-PAK MFG. CO. INC., New York, N. Y. Filed June 26, 1936. Serial No. 380,308.

SOFT-PAK

For Sanitary Napkins.
Claims use since May 1, 1936.

346,895. (CLASS 39. CLOTHING.) THE LA RESISTA CORSET COMPANY, Bridgeport, Conn. Filed June 29, 1936. Serial No. 380,403.

Free-Bak

For Ladies' Corsets, Corselets, Girdles, and Combination Foundation Undergarments Comprising Combinations of Two or More of the Following:—Brassière or Bandeau, Girdle, Corset, or Corselet and Underdrawers or Bloomers.
Claims use since Jan. 31, 1936.

346,896. (CLASS 39. CLOTHING.) BROOKS BROTHERS, New York, N. Y. Filed Nov. 23, 1936. Serial No. 385,879.

Grafton.

For Collars.
Claims use since Mar. 13, 1936.

346,897. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NUTTY NUT STORES, Pittsburgh, Pa. Filed Dec. 15, 1936. Serial No. 386,773.

NUTTY NUT
TRADE STORES MARK
"Every Kernel a Sweetmeat"

For Nuts, Whether Raw, Roasted, Salted, or Unsalted.
Claims use since Oct. 1, 1934.

346,898. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOSEPH E. M. CHAMBERLAINE, St. Michaels, Md. Filed Jan. 29, 1937. Serial No. 388,306.

Chamberlaine's Bait

For Artificial Bait, Trolling Bait, Casting Bait.
Claims use since Apr. 19, 1932.

346,899. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PETER WENDEL & SONS, INC., Irvington, N. J. Filed Feb. 9, 1937. Serial No. 388,697.

NEUSTEEL

For Automobile Truck Bodies.
Claims use since Mar. 5, 1935.

346,900. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed Feb. 11, 1937. Serial No. 388,754.

Chinatwil

For Woolen Piece Goods.
Claims use since Nov. 18, 1935.

346,901. (CLASS 27. HOROLOGICAL INSTRUMENTS.) EUGENE LANTER, doing business as Pathe Watch Company, New York, N. Y. Filed Feb. 25, 1937. Serial No. 389,373.

PATHE

For Ladies', Men's, and Children's Watches.
Claims use since July 21, 1935.

346,902. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CECIL BARBER, Peters, Fla. Filed Mar. 6, 1937. Serial No. 389,715.

BARBER'S BEST

For Fresh Vegetables.
Claims use since Nov. 1, 1935.

346,903. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL ENGINEERING COMPANY, Chicago, Ill. Filed Mar. 12, 1937. Serial No. 389,999.

MIX-MULLER

For Mulling Machines.
Claims use since Feb. 1, 1936.

346,904. (CLASS 39. CLOTHING.) LUXURAY, INC., New York, N. Y. Filed Mar. 27, 1937. Serial No. 390,600.

Tummy - Tites

For Ladies', Men's, and Children's Bloomers, Undershorts, and Panties, of Silk, Cotton, Rayon, and Acetate.
Claims use since Mar. 5, 1935.

346,905. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., doing business as Famous Barr Company, St. Louis, Mo. Filed Apr. 14, 1937. Serial No. 391,333.

"Bangor Linens"

For Household Staple Table Linens, Made Only of Linen.
Claims use since August, 1921.

TRADE-MARK REGISTRATIONS RENEWED

114,584. FABRICS TO BE USED FOR OUTER CLOTHING AND FOR LININGS. Registered July 12, 1887. THOMAS ILLINGWORTH. Renewed July 12, 1937, to George Armitage, Limited, Bradford, England, a corporation of Great Britain, assignee by mesne assignments.

114,348. CERTAIN NAMED ATHLETIC GOODS. Registered December 12, 1916. FREIDENRICH-VAN COTT, INC. Renewed December 12, 1936, to Van Cott Bros., Incorporated, New York, N. Y., a corporation of New York, by change of name.

114,736. BREAKFAST CEREALS. Registered January 2, 1917. FLEMING & COMPANY, LIMITED, Gore, New Zealand, an incorporated company of New Zealand. Renewed January 2, 1937.

116,604. FLOOR-DRAINS. Registered May 15, 1917. CRAMPTON-FARLEY BRASS CO. Renewed May 15, 1937, to Crampton-Farley Mfg. Co., Kansas City, Mo., a corporation of Missouri, assignee.

117,288. CERTAIN CHEMICAL AND PHARMACEUTICAL PREPARATIONS FOR TOILET PURPOSES. Registered July 3, 1917. GEORGE BORGFELDT & CO., New York, N. Y. Renewed July 3, 1937, to Paul Peter Mülhens, doing business as Eau de Cologne- & Parfumerie-Fabrik "Glockengasse No. 4711" gegenüber Pferdepost von Ferd. Mülhens, Cologne, Germany, assignee by mesne assignments.

117,622. WHEAT-FLOUR. Registered July 17, 1917. WENATCHEE MILLING CO., Wenatchee, Wash. Renewed July 17, 1937, to Centennial Flouring Mills Co., Seattle, Wash., a corporation of Washington, assignee.

117,764. BEAKERS, FLASKS, AND OTHER GLASS CONTAINERS. Registered July 31, 1917. KIMBLE GLASS CO., Chicago, Ill. Renewed to Kimble Glass Company, Vineland, N. J., a corporation of Illinois. Renewed July 31, 1937.

118,301. CERTAIN NAMED RECEPTACLES. Registered August 28, 1917. A. KREAMER, INC., Brooklyn, N. Y., a corporation of New York. Renewed August 28, 1937.

118,965. CERTAIN NAMED JEWELRY AND PRECIOUS-METAL WARE. Registered October 16, 1917. J. M. FISHER COMPANY, Attleboro, Mass., a corporation of Rhode Island. Renewed October 16, 1937.

119,041. BLANKETS, SHEETS, DUSTERS, AND SIMILAR CLOTHING FOR HORSES, COWS, AND OTHER ANIMALS. Registered October 23, 1917. L. C. CHASE & COMPANY, Boston, Mass. Renewed October 23, 1937, to Sanford Mills, Sanford, Maine, a corporation of Maine, assignee.

119,157. PROPRIETARY MEDICINES AND REMEDIES FOR THE TREATMENT OF CERTAIN NAMED DISEASES AND AILMENTS. Registered October 23, 1917. WORLD'S DISPENSARY MEDICAL ASSOCIATION, Buffalo, N. Y., a corporation of New York. Renewed October 23, 1937.

LABELS

REGISTERED JUNE 8, 1937

49,394.—*Title:* FISH-DUST. For a Preparation for Exterminating Silver Fish. HARRY G. HUTSON, Atlanta, Ga. Published January 11, 1937.

49,395.—*Title:* KENMORE CERTIFIED FIVE YEAR SHEETS AND CASES. For Sheets and Pillowcases. LEVINE & YAGOLNITZER, New York, N. Y. Published April 10, 1936.

49,396.—*Title:* AUREA LINDA WASH. For Washing Fluid. LINDA CORPORATION, Chicago, Ill. Published March 8, 1937.

49,397.—*Title:* OXY-QUIN. For Medicated Cream. LUCKY TIGER MANUFACTURING COMPANY, Kansas City, Mo. Published March 1, 1937.

49,398.—*Title:* MAGIC SPRAY. For a Spray for Killing Insects. MAGICAL CHEMICAL CO., Brooklyn, N. Y. Published December 1, 1936.

49,399.—*Title:* VICTOR VAPOR RUB. For a Medicinal Preparation. MARCO PRODUCTS COMPANY, Mountville, Pa. Published October 12, 1936.

49,400.—*Title:* MARKWELL PLIER TYPE FASTENER FOR OFFICE, WAREHOUSE, AND FACTORY. For Fasteners. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Published March 12, 1937.

49,401.—*Title:* MARKWELL RX46 PLIER TYPE FASTENER. For Fasteners. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Published March 12, 1937.

49,402.—*Title:* PENNSYLVANIA BEVERAGES. For Pale Dry Ginger Ale. PENNSYLVANIA BOTTLING & SUPPLY CO., Philadelphia, Pa. Published March 2, 1937.

49,403.—*Title:* KLEAN-IT. For a Cleaner. ORION A. POTTS, doing business as Klean-it Company, Youngstown, Ohio. Published April 5, 1937.

49,404.—*Title:* SUNOCO MOTOR OIL. For Motor Oil. SUN OIL COMPANY, Philadelphia, Pa. Published March 5, 1937.

49,405.—*Title:* WIZARD MOP. For Polish Mops. WIZARD, INC., Chicago, Ill. Published June 5, 1936.

PRINTS

REGISTERED JUNE 8, 1937

16,215.—*Title:* AUTO-WEAR. For Belts for the Back and Stomach. LEWIS A. FRITSCH, Cincinnati, Ohio. Published February 1, 1937.

16,216.—*Title:* CIRCLE SYSTEM OF DRAWING. For Printed Instructions in Drawing and Cartooning. RALPH A. HERSHBERGER, Cleveland, Ohio. Published December 30, 1936.

16,217.—*Title:* GOOD FOR WOOD. For Under or Priming Coat for Wood, Cement, Plaster or Brick, and for a Filler, Sealer, and Grain Raiser Inhibitor for Lumber and Ply-Wood. I. F. LAUCKS, INC., Seattle, Wash. Published April 9, 1937.

16,218.—*Title:* CLIPPER ORIGINAL BRUSHLESSTIK—CLIPPER THE ORIGINAL 1 ASPIRIN BRUSHLESS SHAVING STICK AND CREAM. For Shaving Sticks and Cream. LOUANGEL CORPORATION, New York, N. Y. Published February 15, 1937.

16,219.—*Title:* STEARNS EYE-MO. For Eye Lotion. FREDERICK STEARNS & COMPANY, Detroit, Mich. Published February 15, 1937.

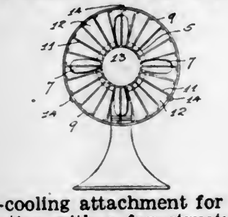
16,220.—*Title:* SCIENTIFIC ACHIEVEMENTS. For Medicines and Prescriptions. FREDERICK STEARNS & COMPANY, Detroit, Mich. Published February 15, 1937.

16,221.—*Title:* KRIMPETS. For Cake. TASTY BAKING COMPANY, Philadelphia, Pa. Published February 15, 1937.

20,393
AIR COOLING ATTACHMENT FOR ELECTRIC FANS

Charles Adler, Jr., Baltimore, Md., assignor, by mesne assignments, to John Q. Sherman, Dayton, Ohio

Original No. 1,874,843, dated August 30, 1932, Serial No. 550,474, July 13, 1931. Application for reissue January 24, 1934, Serial No. 708,168
1 Claim. (Cl. 62—129)

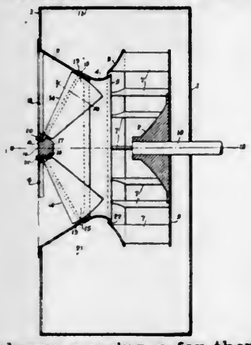


In an air-cooling attachment for electric fans the combination with a fan-structure including a supporting pedestal, a motor mounted at the top of the pedestal, and a rotary fan having radially disposed propeller type blades, of an annular shell concentrically disposed in spaced relation in front of the fan blades and open at both the front and rear sides thereof, a mounting ring carried by the supporting pedestal in concentric spaced relation at the rear of the fan blades, tie arms located exteriorly of the path of travel of the fan blades bridging the intervening space between the mounting ring and a central cooling receptacle in line with the axis of the fan-blades and within the annular shell, said receptacle having a movable cover at its front side and a series of radial partitions extending from the annular shell to the wall of the central cooling receptacle to support the latter and to form a series of passages through the shell around the cooling receptacle.

20,394
FAN

Edward L. Anderson, Grosse Ile, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware

Original No. 1,910,225, dated May 23, 1933, Serial No. 351,077, March 29, 1929. Application for reissue October 24, 1935, Serial No. 46,633
10 Claims. (Cl. 230—114)

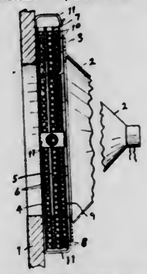


1. In a blower, a casing, a fan therein, an inlet passageway, having inwardly tapering walls, air control vanes pivotally mounted on the walls of said passageway at right angles thereto, a Venturi shaped throat on the inner end of said passageway and projecting into said throat.

20,395
METHOD AND APPARATUS FOR TONE COMPENSATION IN SOUND REPRODUCING APPARATUS

Raymond E. Bowley, San Anselmo, Calif.

Original No. 1,970,837, dated August 21, 1934, Serial No. 650,848, January 9, 1933. Application for reissue August 5, 1936, Serial No. 94,448
31 Claims. (Cl. 181—31)

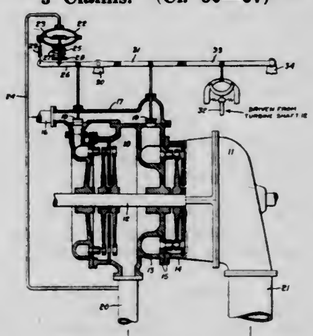


1. Sound reproducing apparatus comprising, in combination, a sound producer diaphragm with driving means, a plurality of tubular members positioned adjacent the diaphragm and one or more metal resonators positioned adjacent the diaphragm and tubular members.

20,396
PARALLEL FLOW TURBINE ARRANGEMENT

Franklin R. Ericson and Arthur D. Somes, Marblehead, Mass., assignors to General Electric Company, a corporation of New York

Original No. 2,067,834, dated January 12, 1937, Serial No. 43,536, October 4, 1935. Application for reissue April 6, 1937, Serial No. 135,280.
3 Claims. (Cl. 60—67)



1. A parallel flow turbine arrangement including the combination of a noncondensing turbine and a condensing turbine for furnishing a common mechanical load output, valve means for

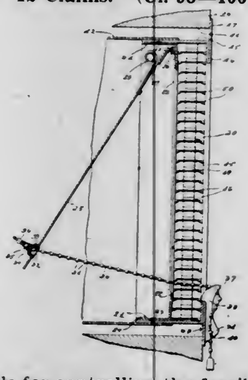
controlling the flow of elastic fluid to the condensing turbine, another valve means for controlling the flow of elastic fluid to the noncondensing turbine, and a control mechanism comprising means for positioning both valve means in response to changes in condition of the elastic fluid discharged from the noncondensing turbine and other means for positioning the valve means of the condensing turbine in response to changes in demand for mechanical load output without affecting the condition of the elastic fluid discharged from the noncondensing turbine.

20,397
REGISTER AND GRILLE

John A. Germonprez, Grosse Pointe Park, Mich., assignor to Uni-Flo Corporation, a corporation of Michigan

Original No. 1,945,972, dated February 6, 1934, Serial No. 566,149, September 30, 1931. Application for reissue April 1, 1935, Serial No. 14,139

12 Claims. (Cl. 98—106)



9. A grille for controlling the forcible discharge of air at one temperature into a room having air at a different temperature comprising, in combination, a supporting frame, and a group of thin narrow fins supported in said frame in closely spaced relation with their side faces parallel and with their discharge edges coacting to form the front face of the grille, said fins defining a plurality of transversely elongated air passages and having longitudinally spaced portions bent to form a multiplicity of deflectors projecting partially across said passages at the discharge edges of the fins for impingement by portions of the air streams upon their discharge from the grille, and said deflectors being arranged in a plurality of rows extending perpendicular to the fins with the contiguous elements in each row protruding from adjacent fins in the same direction.

20,398
REMOVABLE STRAIGHTENING TOOL

William R. Keever, Sulphur Mine, La., assignor to The Union Sulphur Company, a corporation of New Jersey

Original No. 2,065,896, dated December 29, 1936, Serial No. 751,688, November 6, 1934. Application for reissue February 16, 1937, Serial No. 125,977

9 Claims. (Cl. 255—1)

1. A drilling device including a drill member for forming a bore, a member acting to change the direction of the drilling member, frangible means positively connecting said drilling member and said direction changing member to prevent relative rotation therebetween in order that the direction changing member may be accurately positioned in the bore, said connection being adapted to be broken before the direction of the bore is changed, and clutch means for connecting said members prior to their removal of the bore after the direction of the bore has been changed.

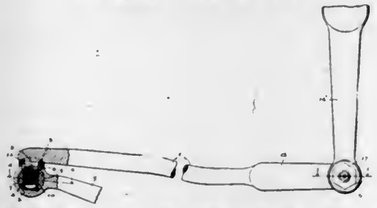


20,399
LINK CONNECTION FOR AUTOMOTIVE VEHICLES

John Wycliffe Leighton, Port Huron, Mich.

Original No. 1,994,582, dated March 19, 1935, Serial No. 667,015, April 20, 1933. Application for reissue March 18, 1937, Serial No. 131,685

5 Claims. (Cl. 74—579)



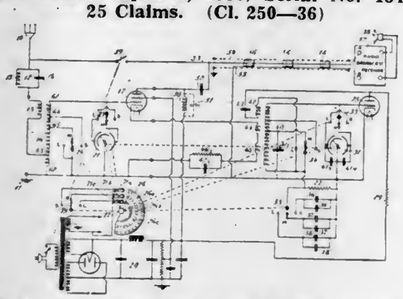
4. In a vehicle, the combination with parts having a pair of threaded bearing orifices, of a link having angularly arranged threaded extensions adapted to engage said bearing orifices, said link being tensioned tortionally to maintain a pressure contact between the engaging threaded surfaces.

20,400
SHORT WAVE CONVERTER

Harold Miller Lewis, Great Neck, N. Y., assignor to Hazeltine Corporation

Original No. 2,001,277, dated May 14, 1935, Serial No. 565,024, September 25, 1931. Application for reissue April 2, 1937, Serial No. 134,580

25 Claims. (Cl. 250—36)



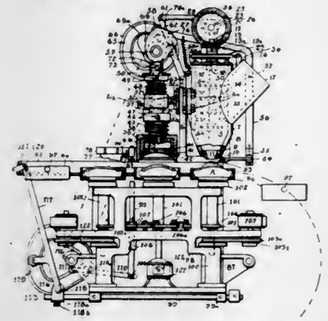
5. An oscillation generator adapted to cover a broad range of frequencies comprising a vacuum tube having grid and plate circuits, said grid and plate circuits including inductance means and being inductively related to each other, capacitance means common to said grid and plate circuits, and means for selectively connecting predetermined portions of said inductance means and capacitance means in said grid and plate circuits to effect large changes in the oscillation frequency.

20,401
METHOD AND MEANS FOR FEEDING AND FORMING PLASTIC MATERIAL IN THE MANUFACTURE OF POTTERY

William J. Miller, Swissvale, Pa.

Original No. 1,769,528, dated July 1, 1930, Serial No. 159,153, January 5, 1927. Application for reissue July 18, 1935, Serial No. 32,753

32 Claims. (Cl. 25—22)



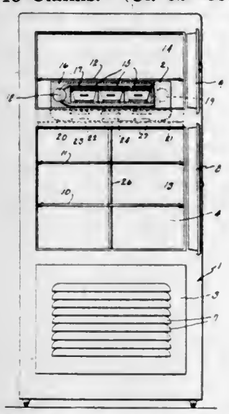
1. In mechanism of the class specified, means for automatically extruding plastic material forcefully against the forming surface of a mold, and means for rotating the mold.

20,402
REFRIGERATING APPARATUS

Edgar D. Misner, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan

Original No. 1,918,818, dated July 18, 1933, Serial No. 175,358, March 14, 1927. Renewed October 27, 1932. Application for reissue June 29, 1935, Serial No. 29,092

18 Claims. (Cl. 62—99)



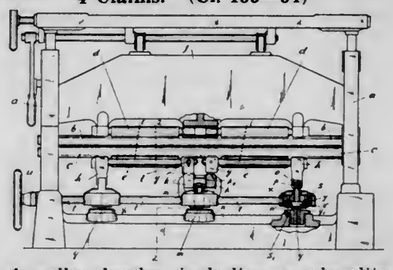
18. An evaporator for refrigerating apparatus comprising imperforate side walls spaced apart in parallel relation and a header for refrigerant formed in one of said side walls, an imperforate bottom wall joined to each side wall and having a passage for refrigerant communicating with said header and a flat surface for supporting articles to be frozen, and an imperforate wall structure extending between said side walls and having a flat surface for supporting articles and a passage for refrigerant for cooling said articles.

20,403
ADJUSTABLE SUPPORTING MECHANISM FOR STRAIGHTENING ROLLS OF PLATE STRAIGHTENING MACHINES

Fritz Ungerer, Pforzheim-Protzinger, Germany

Original No. 1,822,119, dated September 8, 1931, Serial No. 348,078, March 18, 1929. Application for reissue October 17, 1936, Serial No. 106,257. In Germany September 19, 1928

4 Claims. (Cl. 153—54)



1. A roller leveler including a plurality of straightening rolls, supporting means for said straightening rolls comprising a plurality of supporting rollers shorter than said straightening rolls and arranged along said straightening rolls, means adapted to adjust said supporting rollers vertically to flex said straightening rolls in the curvature necessary to straighten a sheet passed between said straightening rolls, said adjusting means including mechanism to positively produce and control movement of the ends of individual supporting rollers vertically through unequal lengths of travel in passing into their supporting position to maintain said straightening rolls to the desired deflection curve required for straightening the work.

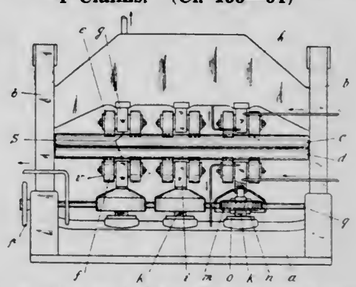
20,404
PLATE STRAIGHTENING MACHINE

Fritz Ungerer, Pforzheim-Protzinger, Germany

Original No. 2,044,373, dated June 16, 1936, Serial No. 717,958, March 29, 1934. Application for reissue October 17, 1936, Serial No. 106,258

In Germany September 25, 1933

4 Claims. (Cl. 153—54)



1. In a plate and sheet straightening machine including straightening rolls, supporting roller

units for said straightening rolls, means for simultaneously adjusting said supporting roller units during the operation of said machine to move said straightening rolls to the position required to straighten the material fed through said machine, said adjusting means including a movable element and mechanism for transmitting movement from said element to said supporting roller units for moving one of said supporting roller units at a greater speed than other supporting roller units to obtain a greater working pressure on said straightening rolls at one point than at other points along the straightening roll working area.

3. In a plate straightening machine including straightening rolls, supporting roller units for supporting and flexing said straightening rolls, some of said supporting roller units being movable vertically relative to the other units during the operation of the machine, means for moving said supporting roller units, said units comprising a support having shafts extending from each side thereof with the shafts on one side in staggered relation with the shafts extending from the other side of said support, and supporting rollers detachably mounted for rotation on said shafts.

20,405

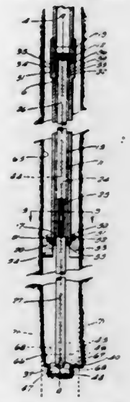
STRAIGHT HOLE DRILLING DEVICE

Voet E. Stroud, Long Beach, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California

Original No. 1,941,723, dated January 2, 1934, Serial No. 533,678, April 29, 1931. Application for reissue December 28, 1935, Serial No. 56,591

9 Claims. (Cl. 255—61)

5. A well drilling tool comprising, a tubular body for connection with a rotary drilling string, a cutter on the lower end of the body acting only on the outer portion of the well bore, a rigid guide member rotatable with the body and freely slidable in the body between an expanded position where it projects beyond the lower end of the body and a contracted position substantially entirely within the body, a rotary fish tail cutter fixed to the lower end of the member for drilling a pilot bore, means for stopping downward movement of the member relative to the body when the cutter on the member is in the



expanded position where its upper end is an appreciable distance below the lower end of the first named cutter, and fluid pressure means for projecting the member from the contracted position where its cutter is within the first named cutter to the expanded position where its cutter may form a pilot bore to assist in preventing lateral movement of the member whereby the member serves as a guide for the first named cutter.

PLANT PATENTS

GRANTED JUNE 8, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

249

ROSE

Hendrikus Antonie Verschuren, near Uden, Netherlands, assignor to Henry A. Dreer, Incorporated, Philadelphia, Pa., a corporation of New Jersey

Application November 6, 1936, Serial No. 109,591

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant as shown and described, characterized particularly by the distinctive new coloring of its buds and flowers.

250

LILY OF THE VALLEY PLANT

Sidney C. Baston, Eggertsville, N. Y.

Application March 3, 1936, Serial No. 66,851

1 Claim. (Cl. 47—60)

A new and improved variety of lily of the valley plant (*Convallaria majalis*; var.), as shown, characterized by having racemes in which the individual flowers have the edges of their petals of light Mallow Purple (Ridgway Plate XII, 67–d) lighter in center of petals and toward the tips, bases of cups darkest and those nearest the terminal of the raceme the darkest, insides white, stems Apple Green to Light Bice Green (Ridgway XVII 29'–0 x 29'–l.), and leaves Bice Green (Ridgway XVII 29'k.).

PATENTS

GRANTED JUNE 8, 1937

2,082,772

TENNIS RACKET

Hector Donald Adams, Brisbane, Queensland, Australia

Application March 24, 1934, Serial No. 717,240

In Australia April 13, 1933

4 Claims. (Cl. 273—73)



1. A tennis racket comprising in combination a wooden bow portion, handle portions integral with said bow portion and being laterally spaced whereby to provide an air passage slot therebetween, said handle portions being substantially parallel to a point adjacent said bow portion and curved outwardly to said bow portion whereby to provide a throat portion, a wedge piece at said throat portion between the curved parts of said handle portions, longitudinally spaced distance pieces interposed in said handle slot between said handle portions, said wedge piece providing a closure for the adjacent end of said slot, and binding cords tightly secured around the handle portions in the zones of said distance pieces.

2,082,773

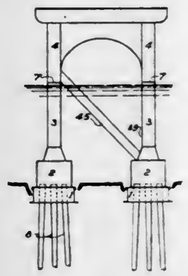
METHOD AND APPARATUS FOR BUILDING SUBAQUEOUS FOUNDATIONS

William G. Adams, Richmond, Va.

Application May 2, 1934, Serial No. 723,440

Renewed November 11, 1936

25 Claims. (Cl. 61—50)



1. A subaqueous foundation comprising a preformed base portion perforated with spaced apart holes, and piles driven through the perforations in the base and into the underlying loose material where the latter contacts the base portion intervening its said perforations.

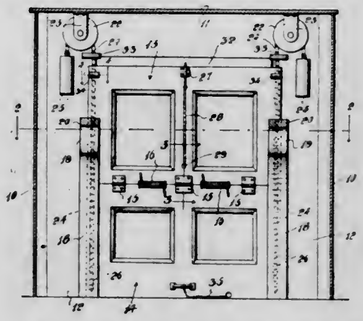
2,082,774

GARAGE DOOR

Anthony Basile and Victor L. Basile, Far Rockaway, N. Y.

Application April 9, 1936, Serial No. 73,537

2 Claims. (Cl. 20—20)



1. In a door structure of the character described, a door frame having a door opening therein, a sectional door having horizontal hinge connections and being vertically and rearwardly slidable into and out of the door frame opening, rails for guiding the door sections in their movements with the opposite edges of the doors overlapping and riding directly on a pair of the rails, counter-balancing means associated with the doors to facilitate opening and closing movements including flexible elements attached to the door and trained over sheaves and weights on the other ends of the flexible elements, the flexible elements being disposed inwardly of the edges of the door at the outer side thereof, and the door having guide grooves for the flexible elements in the outer face thereof adjacent each vertical side edge.

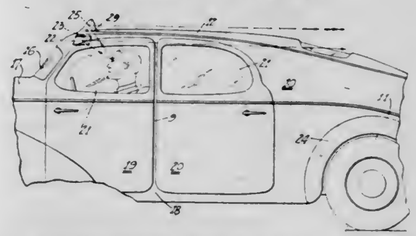
2,082,775

MOTOR VEHICLE

Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

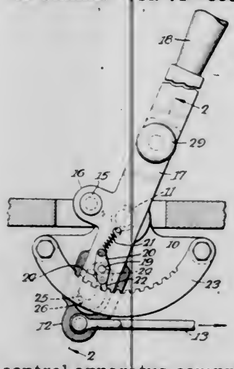
Application April 28, 1934, Serial No. 722,879

4 Claims. (Cl. 296—137)



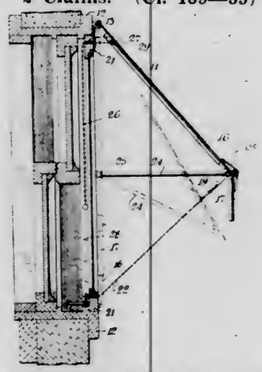
1. In combination with a vehicle body having a roof and an opening therein, a header in front of said opening projecting well above the top surface of the roof therebehind, and a rear view mirror mounted on said header in front of said opening within the upper contour of said header.

2,082,776
BRAKE CONTROL APPARATUS
Dennis B. D. Blake, Danville, Ill., assignor of one-half to Donald E. Willard, Danville, Ill.
Application February 10, 1933, Serial No. 656,099
Renewed April 24, 1936
20 Claims. (Cl. 74—536)



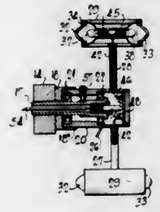
1. Brake control apparatus comprising in combination, a rack, an auxiliary lever having an arm, a tensioned brake rod connected to the auxiliary lever and tending to rotate the latter, the arm projecting from the auxiliary lever in a direction generally opposite to the pull of the rod, a control lever pivoted on the arm, one of the levers having a lug and the other lever including a pair of walls spaced a distance greater than the width of the lug and between which the lug operates whereby the levers move together to apply the brakes and the control lever moves independently to release the brakes, and means on the control lever engageable with the rack to position the control lever against the pull of the rod, the independent movement of the control lever withdrawing said means to release the brakes.

2,082,777
PROTECTIVE AWNING
John T. Brent, New York, N. Y.
Application July 8, 1935, Serial No. 30,220
2 Claims. (Cl. 189—55)



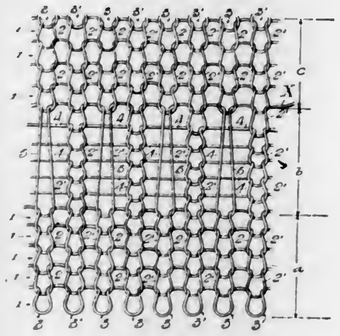
1. An awning comprising a main sheet member hingedly mounted to the upper portion of a window frame and having beaded tubelike portions formed from its lateral edges, an auxiliary sheet member mounted beneath said main member and having beaded tubelike portions formed from its lateral edges, said latter beadlike portions telescopically sliding into said first mentioned beadlike portions and a spring disposed concentrically within the beadlike portions and adapted to slidably superimpose one sheet member over the other and means for holding the auxiliary member in any one of a number of fixed positions.

2,082,778
VEHICULAR SIGNAL
William Y. Brown, Charlotte, N. C., assignor of one-third to William C. Honeycutt, Black Mountain, N. C., and one-third to Robert H. Garland, Charlotte, N. C.
Application June 10, 1936, Serial No. 84,529
3 Claims. (Cl. 177—329)



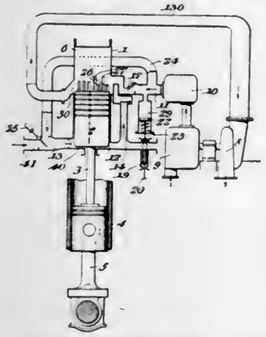
3. A rotary traffic signal having means for securing the same to the side of a vehicle, said signal comprising a hub member, arms carried by said hub member, illuminated means disposed on the outer ends of said arms on both the front and rear surfaces of said arms, and an airscrew also disposed on said hub member for imparting rotation to the hub member and the illuminated means when the vehicle is in motion.

2,082,779
KNITTED ARTICLE AND METHOD OF PRODUCING SAME
William C. Buchholz, Ballston Spa, N. Y., assignor to Ackshand Knitting Co., Inc., Ballston Spa, N. Y., a corporation of New York
Application May 7, 1936, Serial No. 78,484
7 Claims. (Cl. 66—172)



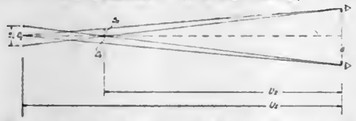
1. The method of producing an article of knitted fabric having a rolled edge which comprises knitting at least one row of stitches, then holding the last-knitted stitches of alternate rows and continuing to knit stitches on the other rows for a plurality of courses, then continuing to knit a plurality of courses of stitches on all of the rows, then ravelling the thread or yarn to the course in which knitting of stitches in alternate rows only was begun, and drawing the thread or yarn tight.

2,082,780
INTERNAL COMBUSTION ENGINE
Alfred Büchi, Winterthur, Switzerland
Original application November 17, 1927, Serial No. 234,014, now Patent No. 1,955,620. Divided and this application January 13, 1933, Serial No. 651,611. In Switzerland November 19, 1926
11 Claims. (Cl. 60—13)



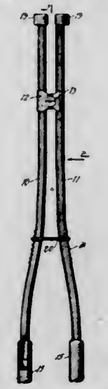
1. In an internal combustion engine having a plurality of combustion cylinders, exhaust ports in each combustion cylinder, an exhaust gas turbine mechanically independent of the shaft of said internal combustion engine, a conduit between said exhaust ports and said exhaust gas turbine, a charging blower driven by said exhaust gas turbine, a first set of inlet ports in each combustion cylinder, a conduit between said charging blower and said first set of inlet ports, a non-return valve in said conduit to the inlet ports, a piston pump for each combustion cylinder, that piston pump driven by the internal combustion engine, a second set of inlet ports, a conduit between said piston pump and said second set of inlet ports and a non-return valve in this conduit.

2,082,781
METHOD, APPARATUS, AND MOTION PICTURE FOR SIMULATING RELATIVE DISTANCES OF OBJECTS IN PICTURIZATION ON A PLANE SURFACE
William F. Alder, Altadena, Calif., assignor, by direct and mesne assignments, of one-half to Ralph P. Merritt, individually, Fresno, Calif., and one-half to said Merritt as trustee
Application April 19, 1933, Serial No. 666,848
54 Claims. (Cl. 88—16.6)



1. An apparatus for making motion pictures comprising, in combination, a supporting structure adapted for connection to a camera mounting, a housing on said structure having a rotatable shaft, a plurality of mirror segments mounted on said shaft, each segment rotating in a different plane from that of the next adjacent segment, means to adjust the spacing between the segments considered longitudinally of the shaft to maintain the same spacing between adjacent segments, means to direct an incident ray of light from objects to be photographed on the mirrors when in one position during their rotation, said camera mounting being adapted to position a camera to receive the reflected light from the mirror segments, and means adapted for synchronizing the rotation of the shaft with the movement of the film and shutter of the camera.

2,082,782
VACUUM TENACULUM
Alfred G. Allen, Deadwood, S. Dak.
Application October 3, 1935, Serial No. 43,309
9 Claims. (Cl. 128—20)



1. A tenaculum comprising: a pair of hollow tubes; means for hinging said tubes together; vacuum cup members secured on the forward extremities of said tubes and communicating with the interiors of the latter; and means for attaching a suction medium to the rearward extremities of said tubes, said cup members being curvated about a common axis.

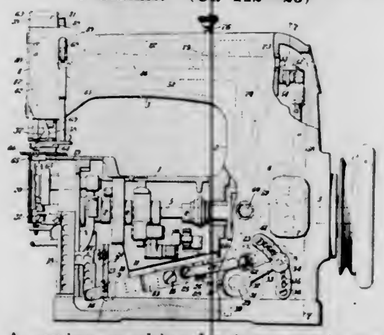
9. A tenaculum comprising: a relatively long hollow tube; a cup formed on one extremity of said tube, the open face of said cup lying in a plane at right angles to the axis of said tube; and means for connecting the other extremity of said tube to a suction hose, said cup being curvated and elongated so that its open face will present two relatively long parallel curved edges joined by relatively short curved ends.

2,082,783
METHOD OF MAKING ALLOY STEELS
Thomas N. Armstrong, Jr., and Fred B. Anderson, Portsmouth, Va.
No Drawing. Application September 30, 1935, Serial No. 42,861
4 Claims. (Cl. 75—127)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of making ferrous alloys containing substantially 18 per cent chromium and 8 per cent nickel, the remainder being predominantly iron, which comprises refining molten steel under an oxidizing slag, removing the slag and covering the bath with a mixture consisting substantially of lime and titanium oxide which is substantially devoid of carbon-silicon-containing material, then after said covering has become fluid adding titanic oxide, burnt lime, and aluminum in proportions having the ratio $2\frac{1}{3}:1:1$, respectively, then adding chromium and nickel at intervals to supply the desired percentages of these two metals, with further additions of small quantities of lime and aluminum after each addition of chromium and nickel, and titanic oxide if necessary to maintain the said ratio, the quantity of titanic oxide supplied being such that the percentage of titanium ranges from the quantity thereof necessary to form carbide

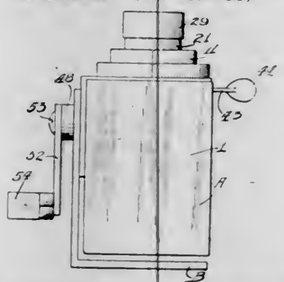
with the carbon in the metal in excess of the carbon held in solution up to 4 per cent of the total metal.

2,082,784
STRAW-BRAID SEWING MACHINE
Rudolph Becker, North Plainfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application June 24, 1936, Serial No. 86,903
7 Claims. (Cl. 112—23)



1. A sewing machine having a reciprocatory needle, means to reciprocate said needle including a manually adjustable needle-stroke-varying element and unyielding means to prevent displacement of said element from its adjusted position under operative stresses set up in running the machine, a loop-taker cooperating with said needle to form stitches, a loop-taker support, and positioning means for said loop-taker support yieldingly connected to said needle-stroke-varying element.

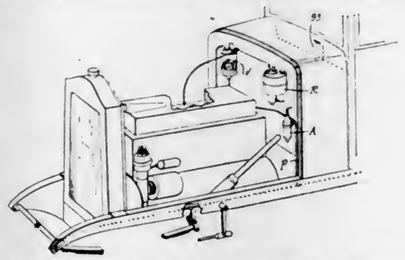
2,082,785
PENCIL SHARPENER
Martin Bersted, Oak Park, Ill.
Application December 28, 1935, Serial No. 56,415
15 Claims. (Cl. 120—95)



1. In a pencil sharpener, a revolvable cutter, means mounting said cutter for bodily movement towards and away from a pencil with the cutter axis in the same axial relation with respect to the pencil axis, means for receiving a pencil for presenting it in cutting position, means for rotating said cutter, and means for rotating the pencil receiving means simultaneously with the rotation of the cutter.

2,082,786
CENTRAL LUBRICATING SYSTEM
Joseph Bijur, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application December 5, 1928, Serial No. 323,867
25 Claims. (Cl. 184—7)

1. An automatic liquid distribution system as for the central lubricating installation of an automobile chassis, characterized by pumping means feeding slowly from a source of lubricant into a spring discharged accumulator from which the collected or accumulated substantial

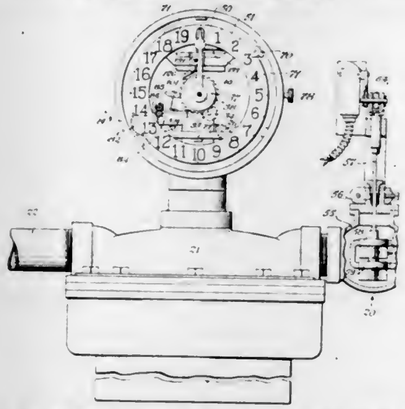


charges are discharged completely at a predetermined pressure into the distribution system, said accumulator being provided with a displacing bellows device actuated in one direction by the feed of lubricant into the accumulator and actuated in the other direction by said spring.

2,082,787
PROCESS FOR REMOVING DISPERSED RESIDUAL BLACKSTRAP
Arthur E. Birch, Lansdowne, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application August 2, 1934, Serial No. 738,066
6 Claims. (Cl. 196—33)

1. The process for removing dispersed residual blackstrap from a plumbite sweetened hydrocarbon oil from which the bulk of the blackstrap formed during the plumbite treatment of the oil has been removed, which comprises contacting said oil with an aqueous alkaline solution to emulsify the dispersed blackstrap and separating from the treated oil the emulsion so formed.

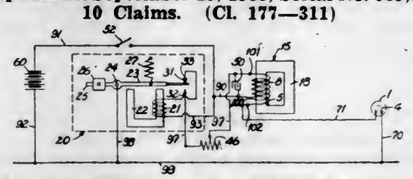
2,082,788
METER
Edward Harold Brayer, Buffalo, N. Y., assignor to Brayer Brothers Construction Corporation, Buffalo, N. Y., a corporation of New York
Application June 13, 1935, Serial No. 26,428
14 Claims. (Cl. 221—101)



1. In a fluid metering system of the character described, metering means, a calibrated member,

an indicator traversing said calibrated member and driven by said metering means and indicating the volume of fluid being delivered, means yieldingly urging said indicator to return to its zero position on said calibrated member, a preselector member traversing said calibrated member and adapted to be manually set to a position indicating the volume of fluid desired to be delivered, a clutch between said metering means and indicator and means set by said preselector member for stopping the flow of fluid through said metering means and disengaging said clutch when said indicator reaches the calibration indicating the volume which said preselector member has been set to deliver thereby to permit said indicator to be returned to zero by said yielding return means.

2,082,789
SIGNAL
Philip H. Chase, Bala-Cynwyd, Pa.
Application September 15, 1933, Serial No. 689,556
10 Claims. (Cl. 177—311)



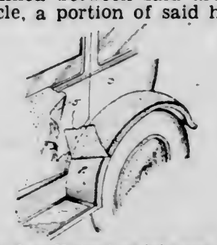
1. A signalling system comprising an electric signal circuit, a source of current therein, an electric signal therein, a secondary coil in series with said signal, said source of current energizing the signal to a predetermined signal strength by means of a predetermined voltage, and a magnetic circuit with which said coil is linked, means for periodically changing the flux through said magnetic circuit to cause an effect inclusive of a counter-electromotive force in the circuit, said last-named means comprising a primary coil linked with said magnetic circuit and current-varying means in circuit with said primary coil, said predetermined voltage of the source being sufficient to restore the signal to original strength upon the disappearance of said counter-electromotive force.

2,082,790
PROCESS OF PRODUCING ESTERS OF PHENOLS
Oscar A. Cherry, Chicago, Ill.
No Drawing. Application March 19, 1935, Serial No. 11,843
19 Claims. (Cl. 260—99.40)

1. The process of producing a phenyl ester comprising heating a mixture of a phenol, a carboxylic acid boiling above 200° C. and an organic acid anhydride boiling below 190° C., to a temperature above the boiling point of the acid corresponding to the anhydride.

2,082,791
PROTECTIVE COATING AND PROCESS OF APPLYING AND REMOVING
Lloyd G. Copeman, Flint, Mich.
Application November 4, 1935, Serial No. 48,125
5 Claims. (Cl. 280—152)

3. The process of protecting a plurality of articles individually and from each other, which comprises applying a solution containing a coating substance and a solvent to the individual articles, forming a homogeneous coating over at least a portion of each article by the evaporation of said solvent, assembling said articles whereby a portion of the homogeneous coating on one article is confined between said article and an adjacent article, a portion of said homogeneous



coating being of sufficient thickness to permit it to be readily stripped from the article or articles, and a portion of said coating being permanently confined between said assembled articles.

2,082,792
SHEET METAL BEAM
Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 28, 1934, Serial No. 717,706
2 Claims. (Cl. 189—37)

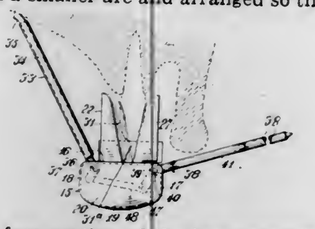


2. A box section beam formed from high tensile sheet metal with a definite permanent set which comprises four substantially identical wall elements each of which has flat body portions and an intermediate V-shaped reinforcing channel between said flat body portions and flat flanged portions at substantially abrupt angles to said body portions exterior thereof, said wall elements being paired in opposed relation, the flat body portions of one pair of opposed elements acting as chord members reinforced by the intermediate V-shaped channel and the exterior flanged portions, the second pair of opposed elements acting as webs and reinforced by intermediate V-shaped channels and the exterior flanges, the flanges of the acting web elements being secured to the body portions of the acting chord elements, said acting chord elements constituting cover members to form a box beam with the web members, the flanges of all elements being exposed to facilitate welding, such beams being relatively compressible in width and depth to effect slight alteration in its cross sectional area.

2,082,793
DIRECTION INDICATOR FOR X-RAY EXPOSURES
André de Weal, Chicago, Ill.
Application June 11, 1934, Serial No. 729,955
12 Claims. (Cl. 250—34)

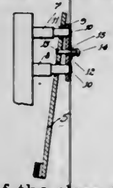
10. In an apparatus of the type described, the combination of a base member, a film support swingingly mounted on said base member for holding a film in exposure position with respect to a tooth of a patient when the base member is gripped between the adjacent teeth of the patient, pointer means pivotally connected with said base member, and means differentially connected with said film support and said pointer means actuated by a swinging movement of said

film support for causing said pointer means to swing in the same direction circumferentially through a smaller arc and arranged so that when



the top face portion of the base member stands in horizontal position with the film support in substantially vertical position the pointer means stands also in substantially horizontal position.

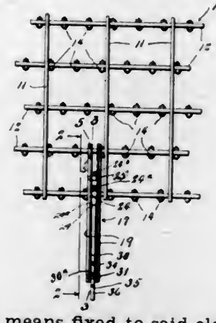
2,082,794
CONTACT STRUCTURE FOR ELECTRICAL CIRCUIT CONTROLLERS
Joseph F. Ebert, Hollis, and Edmund M. Squire, Brooklyn, N. Y., assignors to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application May 24, 1934, Serial No. 727,312
4 Claims. (Cl. 200—166)



1. In a device of the class described, the combination with spaced stationary contacts and a pivotally mounted arm providing openings near its free end and movable toward or away from said stationary contacts, of a plate freely supported on said arm, a spring normally maintaining said plate in engagement with said arm and contacts carried by said plate and extending through said arm openings for engagement with said stationary contacts, said plate by its free and yieldable mounting on said arm permitting self-adjustment of the engaged contacts independently of said arm.

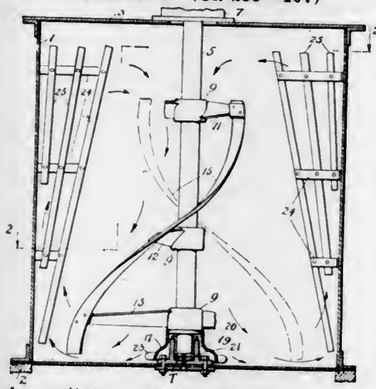
2,082,795
HARROW TRIPPER
August H. Finck, St. Charles, Mo.
Application May 16, 1935, Serial No. 21,715
6 Claims. (Cl. 55—34)

1. In a harrow tripping device, the combination with a harrow having a series of spaced transverse tooth bars, of a support extending longitudinally and rearwardly of said harrow, means for detachably securing the forward end of said support to one of the intermediate tooth bars, a member fixed to said support and having a rearwardly presented L-shaped lower end detachably engaging the last of said tooth bars, whereby the operating stress between said support and said harrow is transmitted through said member, an elongated member revolubly mounted on the rear end of said support and extending forwardly, means for engaging said member and holding it out of contact with the ground, manually operable connections for operating said means to release said member and allow the forward end thereof to drop to the ground, whereby the forward movement of the harrow causes said support and rear end of said harrow to raise with the axis of said elongated member moving in an upward and forward arc over said forward end



thereof, and means fixed to said elongated member and disposed above in spaced relation with the axis thereof and adapted to engage the ground when said member is in upsidedown position and restore it to normal raised position.

2,082,796
AGITATOR
Moritz Gaertner, New York, N. Y.
Application December 21, 1934, Serial No. 758,552
4 Claims. (Cl. 259—107)

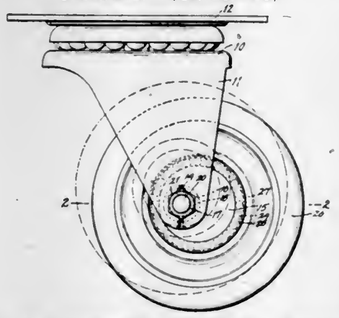


1. An agitator which comprises a casing, a powered shaft at the center thereof, a thrust bearing at the bottom of said casing supporting said shaft, spiral blades rigidly mounted on said shaft running from the top to the bottom thereof, said blades being set further from the shaft at the bottom than at the top, and baffles mounted on the sides of the casing being set off from the side, whereby a high peripheral speed is imparted to the lower portion of a liquid in said casing and a low peripheral speed is imparted to the upper portion of said liquid to produce a circulation of said liquid in vertically upward and horizontal direction.

2,082,797
CELLULOSE ETHERS
Frederick C. Hahn, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 8, 1932, Serial No. 646,300
2 Claims. (Cl. 260—152)

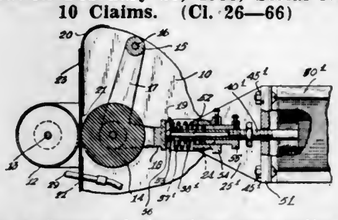
2. A crotonyl ether of cellulose obtainable by the reaction of crotonyl chloride on cellulose in the presence of a fixed caustic alkali at a temperature between 120° C. and 170° C. in a closed container, said ether being soluble in a member of the group consisting of alcohol, benzene, ethyl acetate and acetone, and being capable of hardening on ageing.

2,082,798
COMPENSATING WHEELED STRUCTURE
Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application June 5, 1935, Serial No. 25,060
5 Claims. (Cl. 16—46)



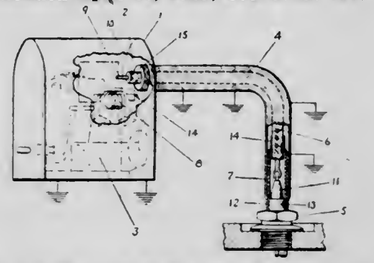
5. In a compensating wheeled structure, a wheel carrying member including a spindle, an eccentric bearing member disposed about said spindle, a wheel mounted on said eccentric member, and a body of rubber disposed between said spindle and said bearing member, the axis of said wheel being offset relative to the axis of said spindle in a direction substantially at a right angle to the direction of the load in the no-load untensioned condition of said wheeled structure, said bearing member adapted to rotate about said spindle as load is imposed on the wheeled structure to tension said rubber body through torsional strain set up therein, the axis of said wheel being substantially in a plane parallel to the direction of the load and passing through the axis of said spindle in the full load tensioned condition of said wheeled structure.

2,082,799
CLOTH GUIDER
Robert Hetherington, Sharon Hill, Pa., assignor to H. W. Butterworth & Sons Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 28, 1935, Serial No. 8,609
10 Claims. (Cl. 26—66)



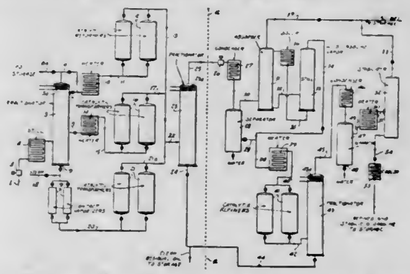
4. In a device of the character indicated for governing travelling web material, a pair of guide rolls, one of the rolls movable to and from the other roll, a light spring limiting normal separation of the rolls, a heavy spring adapted to be moved to press the rolls together, electromagnetic means for compressing the heavy spring, a feeler engaging the web and contact mechanism operated by the feeler to energize the magnet.

2,082,800
SHIELDING DEVICE FOR IGNITION OR SIMILAR CIRCUITS
Theodore B. Holliday, Dayton, Ohio
Application June 29, 1933, Serial No. 678,249
14 Claims. (Cl. 123—148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with an electric circuit having a supply line and a return line electrically insulated therefrom and a receiving instrument electrically connected in said circuit between said lines, the said return line being grounded only at one end and both of said lines being so arranged that the magnetic field of the one is neutralized by that of the other, of a shielding enclosing said lines, said shielding being both electrically insulated from the supply line and grounded substantially throughout the entire length of the enclosure.

2,082,801
PRODUCTION OF HIGH OCTANE GASOLINE
Eugene J. Houdry, Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application September 16, 1933, Serial No. 689,695
5 Claims. (Cl. 196—52)

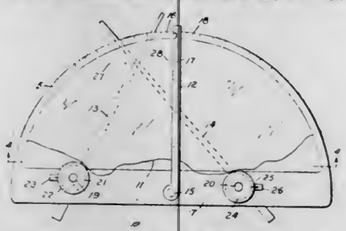


1. Process for the production of high quality motor fuel in a once through operation from crude hydrocarbon starting material which comprises vaporizing the starting material, fractionally condensing the vapors into a plurality of cuts, heating and transforming the cuts individually but simultaneously by contacting the same at reaction temperature with beds of catalytic material capable of effecting the desired transformation and of producing clean products, combining the products of the transforming reactions, fractionating the combined products to separate out and withdraw as a finished product a liquid fraction in the form of a clean motor fuel oil of the Diesel type, subjecting the overhead vapors from the last fractionating zone to pressure, condensing the compressed vapors and separating the same into condensate and uncondensed material, separating the uncondensed material into light hydrocarbons and lean gas, re-

moving the lean gas, combining the light hydrocarbons and the condensate and passing the same together through a heating and vaporizing zone, subjecting the heated and vaporized material to the action of a bed of catalytic material capable of refining and polymerizing the same, fractionating the refined material to remove liquid polymers outside the gasoline boiling range, and removing entrained gases from the remaining material to produce a second motor fuel in the form of finished end-point gasoline.

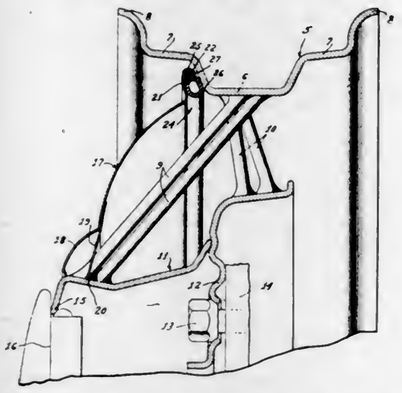
4. Apparatus for the production of high quality motor fuel in a once through operation from crude hydrocarbon starting material comprising a vaporizing or topping still into which the crude starting material is fed, a fractionator for the vapors from said still, means withdrawing material from said fractionator in a plurality of cuts, a plurality of heating means and catalytic cases for transforming each of said cuts individually but simultaneously, a single fractionator into which all of the transformed material from said cases is discharged, an outlet from the lower part of said last named fractionator for withdrawing as a finished product a liquid fraction in the form of a clean motor fuel oil of the Diesel type, an outlet line from the upper part of said last named fractionator for the overhead material, a pump in said line for imposing on said vapors a pressure sufficient to force the latter through the remainder of the apparatus, condensing and separating means into which said vapors are forced by said pump, means for separating the uncondensed material into light hydrocarbons and lean gas, a heater for vaporizing the condensate receiving the latter and said light hydrocarbons, refining cases containing catalytic masses receiving the vaporized condensate and heated light hydrocarbon mixture, a fractionator receiving the products of said cases, and means for removing entrained gases from the overhead fraction from said fractionator to produce a second motor fuel in the form of finished end point gasoline.

2,082,802
PLOTTING BOARD
James C. Karnes, Buffalo, N. Y.
Application February 13, 1935, Serial No. 6,354
1 Claim. (Cl. 33—98)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A plotting board comprising a frame having a base portion and an arcuate portion defining an opening, an azimuth scale on the arcuate portion, a transparent cover for the opening of the frame and having its upper face adapted to be marked with positional data and to support auxiliary predicting apparatus, a gun arm pivotally mounted in the base portion of the frame and overlying the transparent cover, a pair of similar plotting arms underlying the transparent cover and pivotally mounted in the base portion of the frame whereby their intersection indicates the positional data to be marked on the upper face of the cover and means on the upper side of the frame for determining the azimuth position of each plotting arm.

2,082,803
BEAD FOR ORNAMENTAL WHEEL DISKS
George Albert Lyon, Allenhurst, N. J.
Application March 28, 1935, Serial No. 13,402
10 Claims. (Cl. 301—37)

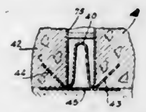


1. In combination, an ornamental wheel disk structure having a generally circular groove therein, and a resilient split ring contact member having spaced ends expanded in said groove.

2,082,804
PREPARATION OF METALLIC SALTS OF DICARBOXYLIC ACID ESTERS OF CELLULOSE
Carl J. Malm and Charles R. Fordyce, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application September 23, 1933, Serial No. 690,763
6 Claims. (Cl. 260—101)

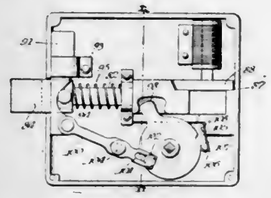
1. The process of preparing an alkali metal salt of a cellulose ester containing a dicarboxylic acid radical having a free carboxyl group which comprises treating that ester with a weakly basic alkali metal salt in an amount approximately molecularly equivalent to the free carboxyl of the ester whereby hydrolysis of the cellulosic compound is avoided.

2,082,805
EXPANSION JOINT CONSTRUCTION
Clyde L. Methven, St. Paul, Minn.
Application May 10, 1933, Serial No. 670,314
2 Claims. (Cl. 94—18)



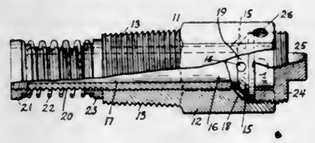
1. In combination with adjacent slabs of a pavement separated by a joint space, a water seal adjacent the bottom of the joint space comprising a member of flexible material having a bending loop and provided with sharply upturned flanges imbedded in the adjacent slabs of the pavement, and a sealing member underlying the adjacent slabs of said pavement and also said flexible member.

2,082,806
ELECTRIC CONTROL LOCK
Edmond Michel, New Orleans, La., assignor to Larmloc Corporation, New Orleans, La., a corporation of Louisiana
Application September 16, 1935, Serial No. 40,844
11 Claims. (Cl. 70—283)



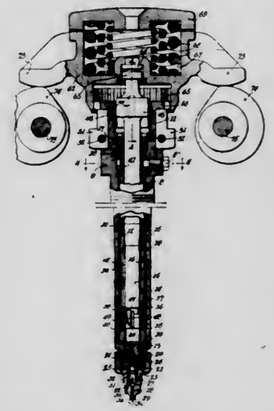
10. An electric jimmy-resistant keyless lock of the class described including a casing having a reciprocating locking bolt mounted therein, the inner end of the bolt provided with means coacting with a shelf portion on the adjacent wall of the casing to provide a seat, a freely movable obstructing member arranged to fall by gravity into said seat to maintain the bolt in its locked position and being in contact with the adjacent wall in its lower position whereby any axial pressure applied to the head of the bolt will be transmitted through the member directly on the wall of the casing so as to render the bolt jimmy-resistant, means for urging said bolt normally outwardly to its closed position, and means for actuating the obstructing member to permit the axial movement of the bolt.

2,082,807
BULKHEAD INTERNAL SAFETY RELIEF SALVAGE VALVE
John Russell Miller, United States Navy
Application October 29, 1935, Serial No. 47,216
3 Claims. (Cl. 137—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An internal relief valve comprising a valve bonnet having a bore extending therethrough, a counterbore at one end of said bore, a valve seat extending between the larger and smaller bores, communicating apertures extending through the bonnet to the larger bore, an internal valve slidably extending through the smaller diametered bore of the valve seat bonnet, said valve having a valve face at one end adapted to cooperate with said bonnet valve seat and adjustable means for yieldably securing said internal valve in closed position, said internal valve having a plurality of apertures extending through the valve face to a common bore extending to the other end of said internal valve, said valve face apertures being located a substantial distance from the outer edge of the valve face, said other end being externally threaded and extending beyond the end of the valve bonnet, said adjustable yieldable securing means being mounted on the threaded end of said valve.

2,082,808
FUEL INJECTION APPARATUS
Moyes J. Murphy, Milwaukee, Wis., assignor to Murphy Diesel Company Limited, Milwaukee, Wis., a corporation of Nevada
Application September 10, 1934, Serial No. 743,339
16 Claims. (Cl. 299—107.2)



1. In a fuel injection apparatus, the combination with a valve controlled spray nozzle, of means for forcing fuel through said nozzle including a movable pressure producing member, spring means for driving said member, and means operating in cyclic synchronism with the engine for controlling the driving action of said spring means during the entire pressure stroke of said member.

2,082,809
PRODUCTION OF POTASSIUM SULPHATE FERTILIZER MATERIAL
Robert E. Pennell, Anderson, S. C.
Application June 18, 1936, Serial No. 86,013
3 Claims. (Cl. 23—117)



1. A process of producing a dry free-flowing fertilizer salt which comprises reacting upon a material consisting predominantly of potassium bisulphate, in a hot dry condition, with dolomite, in such proportions as to substantially entirely react with the bisulphate, thereby converting the potash into a neutral salt in combination with magnesium and calcium as sulphates.

3. A new fertilizer material, as produced in claim 1, comprising a triple salt of potassium, magnesium, calcium, sulphates coresponding substantially to the formula

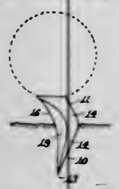
$2K_2SO_4MgSO_4.CaSO_4.2H_2O$.

2,082,810
OPHTHALMIC MOUNTING
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application March 1, 1935, Serial No. 8,884
5 Claims. (Cl. 88—47)



3. Connecting means for uniting the meeting ends of separate parts comprising a lug on each of said parts adjacent the meeting ends thereof, one of said lugs having an opening therein and the other of said lugs being formed of solid material of substantial length secured along one of its longitudinal side walls to its respective part and having its opposed side wall tapering from its end adjacent the first lug toward its opposite end, wherein it blends into the part to which it is secured, said lug having an opening extending therein from its end adjacent the first lug to a point confined within its outer walls and being alignable with the opening in the first lug, and having a threaded bore, said threaded bore being confined within the exposed walls of the lug and forming a relatively long thread bearing and a screw member in said aligned openings for securing the lugs together, the threaded end of said screw being sealed from exposure by the solid walls of the tapered lug when the parts are in secured relation with each other.

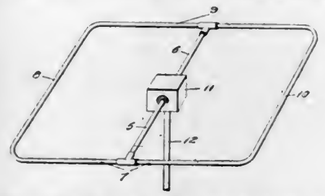
2,082,811
GOLF TEE
Sidney E. Thorup, West Roxbury, Mass.
Application November 15, 1934, Serial No. 753,154
7 Claims. (Cl. 273—33)



1. A golf tee comprising a wide ball-supporting head surmounting a narrower pointed stem, said stem extending downwardly perpendicular to the top face of said head with substantially straight front and rear edges extending continuously from the bottom of said head to the point of said stem, said stem being adapted for vertical insertion in the ground and the sides of said head being inclined upwardly and forwardly from the top of said stem.

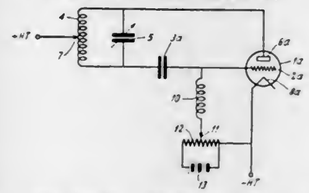
2,082,812
SELECTIVE ANTENNA
Robert H. Worrall, Washington, D. C.
Application November 2, 1935, Serial No. 48,060
10 Claims. (Cl. 250—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A directional receiving antenna system responsive to wave energy of a single polarization only, comprising a closed loop in a horizontal plane, a pair of conductors lying within the plane of said loop connected to and extending from the center of opposite sides thereof toward the center of said system, and a non-receptive transmission line or other type of conductor, adapted



to be connected to a radio apparatus, extending to the center of said antenna system and having the wires thereof connected or coupled to said pair of conductors.

2,082,813
OSCILLATION GENERATOR COMPRISING ELECTRON DISCHARGE DEVICES
George Maurice Wright and Noël Meyer Rust, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application October 8, 1935, Serial No. 44,046
In Great Britain August 30, 1934
2 Claims. (Cl. 250—36)



1. An oscillation generator for generating continuous, uninterrupted oscillations of substantially constant frequency comprising an electron discharge device of the variable mu type having an anode, cathode and a grid, said device being characterized by a gradual variation of mutual conductance over a wide range with variation in the bias potential applied to said grid, a frequency determining network coupled between said anode and grid, means for applying a suitable bias potential to said grid and for manually varying said bias, whereby the mutual conductance of said device is varied without varying the frequency generated by said oscillation generator.

2,082,814
PROCESS OF MAKING A SUBSTITUTE FOR WOOL FROM VISCOSE
Walther Zetzsche and Hermann Faber, Premnitz, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application November 29, 1935, Serial No. 52,201. In Germany November 30, 1934
5 Claims. (Cl. 18—54)

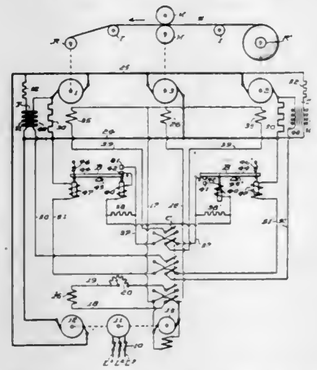
1. A process of making a substitute for wool which comprises squirting viscose into a precipitating bath capable of precipitating the viscose in the form of cellulose xanthogenate, assembling the spun threads to a thick fiber band, cutting the fiber band into staples, and converting the cellulose xanthogenate into cellulose hydrate by means of a liquid heated at 60 to 150° C.

2,082,815
PREPARATION OF DIARYL AMINES
Marshall F. Acken, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 28, 1936, Serial No. 61,141
4 Claims. (Cl. 260—128)

1. In the process of heating together chemical reagents under pressure wherein said reagents are refluxed in the presence of corrosive vapors by passing in contact with a corrosion-resistant material supported by a cooled pressure-resistant material, the step of interposing between said materials a heat-exchanging medium comprising essentially a material substantially inert with respect to the principal reactants.

4. In the process of preparing diphenyl amine from aniline under pressure wherein such reagents are refluxed in the presence of corrosive vapors in a pressure-resistant column provided with a corrosion-resistant inner tube, the step of interposing between said column and said inner tube a heat-exchanging medium comprising essentially diphenyl amine.

2,082,816
CONTROL SYSTEM FOR ELECTRIC MOTORS
Gilbert Edward Adams and Edward Crutchfield Marshall, Gary, Ind.
Application September 6, 1935, Serial No. 39,416
21 Claims. (Cl. 242—75)

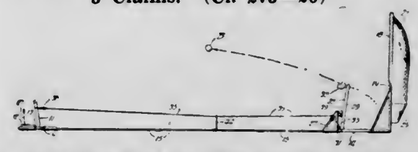


1. In a control system for an electric motor, a resistor in the motor field circuit, means for intermittently shunting out said resistor, and means for controlling said shunting out means in accordance with the rate of armature voltage change.

2,082,817
METHOD OF PRODUCING A CONCENTRATE OF CHROME ORES
Gustav Arnold, Wadenswil, Switzerland, assignor, by mesne assignments, to Eduard von Orelli, Zurich, Switzerland
No Drawing. Application May 8, 1934, Serial No. 724,633. In Switzerland August 19, 1933
3 Claims. (Cl. 209—166)

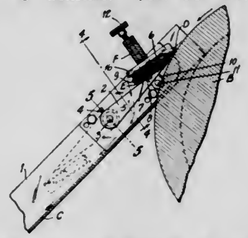
3. The method of producing a concentrate of chrome-ores by means of froth-flotation which comprises treating oxidized chrome ores with a substance selected from the group consisting of phosphotungstic acid and their salts and subjecting the product thus obtained to flotation by means of usual froth flotation agents.

2,082,818
BALL CATCHING AND PITCHING MACHINE
Henry G. Atwell, Lake Villa, Ill.
Application May 16, 1935, Serial No. 21,759
5 Claims. (Cl. 273—26)



1. In a device of the class described, the combination of a ball catcher adjacent one end of the device and comprising a bag-like receptacle of ample proportions having a relatively large opening adjacent one of its ends adapted to receive a thrown ball and having a reduced portion terminating in a relatively smaller discharge opening adjacent its opposite lower end, a ball thrower pivotally mounted adjacent said catcher and having a cup-like receiving member capable of being positioned adjacent said discharge opening to receive a ball therefrom, and a foot lever pivotally mounted adjacent the opposite end of the device and flexibly connected to said ball thrower for actuating the thrower to project a ball therefrom with a velocity dependent upon the force exerted on said lever.

2,082,819
ROLLER MILL
Emil B. Beccard, St. Louis, Mo., assignor to The International Printing Ink Corporation, New York, N. Y., a corporation of Ohio
Application December 22, 1933, Serial No. 703,527
5 Claims. (Cl. 83—12)

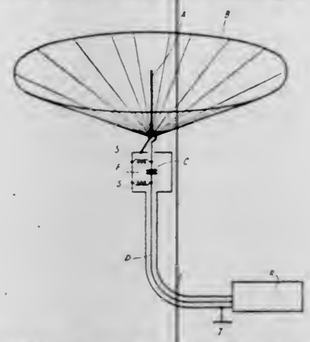


1. A roller mill comprising a grinding roll, a discharge apron adapted to receive material from said roll, and a scraper device for removing said material from said roll, said scraper device comprising a flexible scraper blade adapted to engage the grinding surface of said roll, a holder for said blade pivotally secured to said machine for swinging movement towards and away from said surface, means for holding said blade in contact with said surface throughout the length of said blade, said means comprising a bar located above and extending longitudinally of said blade holder, a plurality of longitudinally spaced screws threaded through said bar in abutting relation to the upper surface of said blade holder, a plurality of screws threaded into said blade holder in abutting relation to the rear edge of said blade, and means for securing said bar to said machine.

2,082,820
ANTENNA ARRANGEMENT
Paul Bouvier and Raymond Villem, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application December 18, 1935, Serial No. 55,016
In France December 28, 1934
8 Claims. (Cl. 250—33)

1. Energy collecting system for radio receivers,

comprising an aerial located at a height above ground and a shield insulated thereof, said shield having a form of a surface converging to an apex, terminating by an edge and limiting a predeter-



mined space within which the aerial is located, the position of the shield being such that the opening determined by the surface edge is oriented towards the zenith.

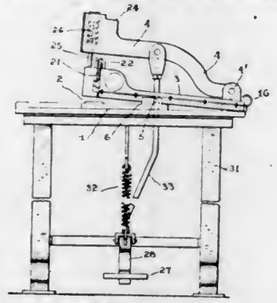
2,082,821
WINDOW CLEANER
Russell L. Bragg, Chicago, Ill.
Application July 18, 1935, Serial No. 31,971
2 Claims. (Cl. 15—232)



1. A window cleaner comprising a substantially U-shaped handle member of a form to embrace a window sash and provided on one limb with a cleaning element of a form and shape to fit between window sashes; and a removable open bottomed bag-like member fitting over and around said cleaning element and having an elastic insert in its inoperative side and an elastic band secured around its bottom.

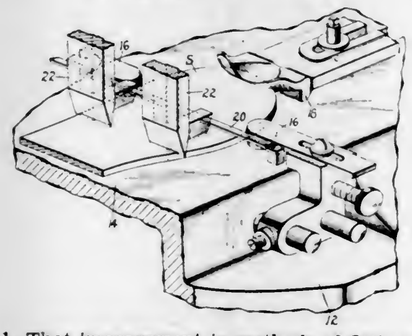
2,082,822
MACHINE FOR ATTACHING STAPLE FASTENERS TO CARDS
George J. Bruhn, Great Neck, N. Y., assignor to Nu-Prong Fastener Corporation, Harrison, N. J., a corporation of New York
Application November 26, 1935, Serial No. 51,570
3 Claims. (Cl. 1—2.4)

1. In a device of the character described, the combination of a rocking staple carrier having a delivery end, a staple cutting ram carried by the said delivery end of the staple carrier, spring means normally supporting the said ram in raised position, a hammer supported above the said ram and spaced therefrom, means for moving the said hammer against the said ram, a spring actuated



plunger operable between the said hammer and the staple carrier and positioned to form a contact between the delivery end of the staple carrier and the hammer in advance of the contact between the hammer and the said ram, and an anvil below the ram and positioned to receive the impact thereof.

2,082,823
SOLE AND SOLE FITTING
Joseph Calleo, Endicott, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 25, 1936, Serial No. 65,629
6 Claims. (Cl. 12—146)

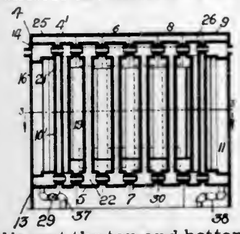


1. That improvement in methods of fitting insoles which consists in making in an insole a channeling cut which emerges from the insole to leave an end of the channel lip disconnected from the body of the insole, and in removing an end portion of the channel lip by making a scoring cut to incise the lip along a line extending inwardly from the edge of the lip and thence along the root of the lip to the disconnected end of the lip.

2,082,824
HUMIDIFYING CABINET RADIATOR
William H. Curtin, Oceanside, N. Y.
Application November 24, 1934, Serial No. 754,565
2 Claims. (Cl. 237—78)

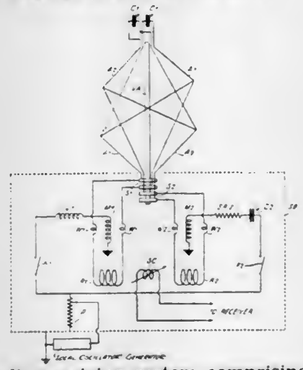
1. A sectional radiator of the box or enclosed type, comprising an end section having a channel for the heating fluid and an adjacent compartment for evaporating water which is heated by said fluid, an intermediate section having later-

ally projecting fins, said sections interfitting to completely enclose the interior thereof, except for



openings adjacent the top and bottom for the exit and entrance of air.

2,082,825
RADIO COMMUNICATION SYSTEM
Thomas Lydwell Eckersley, Danbury, England, assignor to Radio Corporation of America, a corporation of Delaware
Application July 23, 1934, Serial No. 736,586
In Great Britain July 22, 1933
3 Claims. (Cl. 250—20)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



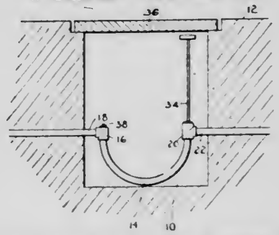
1. A radio receiving system comprising a pair of mutually perpendicular frame aerials rotatably mounted as a single structure about a vertical axis, a radiogoniometer having a primary coil electrically connected to each of said frame aerials, and a search coil electrically coupled to said primary coil, a plurality of coupling coil elements, said coupling coil elements being electrically in series with said primary coil and to said frame aerials, and capacitive means for adjusting the phase relationship between current and voltage in each frame aerial separately, said means comprising a variable condenser symmetrically arranged at the apex of each frame aerial.

2,082,826
CHASSIS FOR POWER OPERATED VEHICLES
Frank D. Frisby, St. Louis, Mo.
Application May 8, 1936, Serial No. 78,565
9 Claims. (Cl. 180—73)



1. A chassis for power operated vehicles, provided with a non-shiftable torque tube, a propeller shaft provided with a portion rotatably mounted in said tube, transverse frame members and horizontally disposed bearings for said torque tube carried by said frame members, said frame members being slotted to facilitate installation and removal of said torque tube.

2,082,827
DRAIN PIPE SYSTEM
Samuel J. Gaber, New York, N. Y.
Application April 22, 1936, Serial No. 75,779
5 Claims. (Cl. 182—17)



1. A drain-pipe system for buildings comprising a pit below the building floor, a trap located within and at the bottom of said pit and having inlet and outlet ends within said pit and connected to the ends of inlet and outlet drain pipes, respectively, in said pit, means for providing a fluid passage for the flow of liquid from said pit to said outlet pipe, means connected to the outlet end of said trap for normally sealing said passage, and means connected to said sealing means and operable from a point adjacent the top of said pit for unsealing said passage to permit liquid in the pit to flow therefrom at the outlet end of said trap into said outlet pipe.

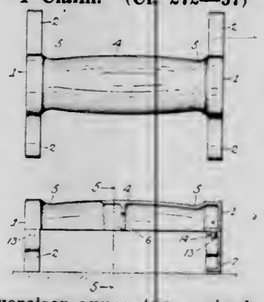
2,082,828
SLING
Joseph McClintock Garris, Avalon, Pa., assignor to Macwhyte Company, Kenosha, Wis., a corporation of Illinois
Application February 20, 1936, Serial No. 64,921
14 Claims. (Cl. 96—25)



1. The method of forming a sling which comprises the following steps: Forming a plurality of endless units, thereafter oppositely spiraling each unit from its center toward its ends, associating together an even number of units, reversing one half of said units end to end with respect to the other units to reverse the direction of spiralling of half the units with respect to that of the other half, bending each unit to form an initial eye in the center of each unit and to form of each unit two sling members, braiding the

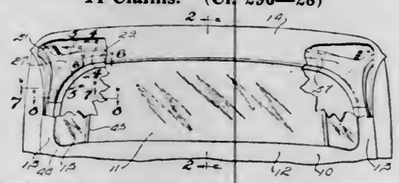
members together to form the completed sling, a member of each unit being braided with a member of an opposite unit.

2,082,829
EXERCISE APPARATUS
Carl Hugo Gerlofson, Chicago, Ill.
Application November 18, 1935, Serial No. 50,339
1 Claim. (Cl. 272—57)



In an exerciser apparatus, a single stationary ground-engaging supporting member, said supporting member being provided, on its upper surface, with an extended generally rounded foot receiving portion which is generally arcuate in vertical transverse contour, said surface being positioned a distance above the floor sufficient to permit a user, standing upon said arcuate surface, to rock back and forth with respect to said supporting member without contact with the floor, the radius of the arc of said supporting surface being sufficient to permit a substantial portion of the lower surface of the foot simultaneously to contact it without an undue flexure of the foot.

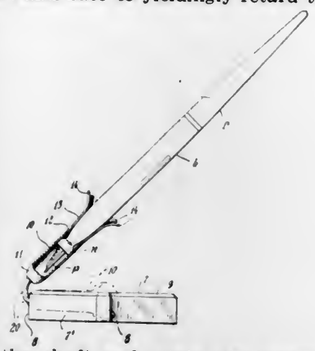
2,082,830
VEHICLE BODY
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application December 4, 1933, Serial No. 700,793
14 Claims. (Cl. 296—28)



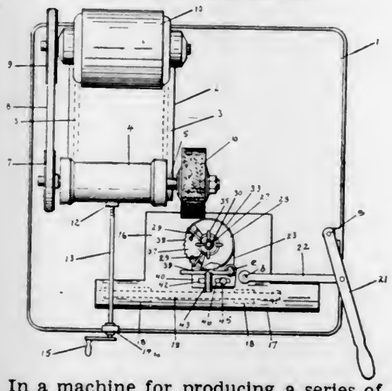
1. A vehicle body having upwardly extending, rearwardly sloping windshield pillars, corner portions mounted on said pillars having laterally and rearwardly projecting end portions, a header joining said laterally extending portions in such manner as to have the header disposed frontwardly of the windshield pillars, and top rails joining with said rearwardly extending end portions.

2,082,831
DESK SET
Christian Hansen, Woodcliff, N. J.
Application June 3, 1935, Serial No. 24,621
9 Claims. (Cl. 120—108)

1. In a desk set, a flat base, a shaft rotatably mounted in the base to rotate on an axis extending longitudinally of the base and one end projecting laterally from the base, a holder for a writing instrument fixed on the shaft to extend at an angle to the upper face of the base and contiguous to the sides of the base by the rotation of the shaft, and a spring coiled about the shaft within the base and compressed between the shaft and base to yieldingly retard the rotation of the shaft and retain the holder in adjusted position.



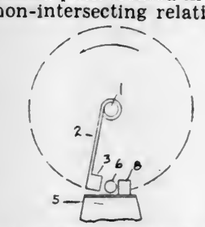
2,082,832
MACHINE FOR PRODUCING AND RE-SHARPENING CUTTER BLADES
John Hansen, Bettendorf, Iowa
Application August 27, 1934, Serial No. 741,575
Renewed March 15, 1937
13 Claims. (Cl. 51—92)



1. In a machine for producing a series of adjacent scallops in one edge of a cutter blade, the combination of an abrasive wheel and means for rotation thereof, a cutter blade support mounted in proximity to said wheel, means carried by said support for mounting a cutter blade in a predetermined bent position with one of its edges presented to said wheel in suitable position for the grinding thereof, means for movement of said support to present new spaces on a blade for grinding operations, and means for gauging the length and positions of said spaces.

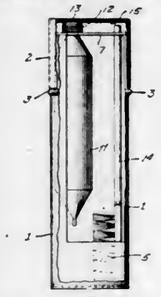
2,082,833
METHOD AND APPARATUS FOR CUTTING CORDS OF PLASTIC MATERIAL INTO PREDETERMINED LENGTHS
Albertus Hendrik Haupt, Somerset West, Union of South Africa, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application August 7, 1934, Serial No. 738,887
In Great Britain August 10, 1933
8 Claims. (Cl. 25—109)

2. Apparatus suitable for cutting extruded plastic material, that is of continuous body fully crosswise thereof, into pieces of predetermined length, irrespective of variations in the rate of extrusion, which comprises two knives separated from one another by the desired distance, and arranged for cutting the plastic completely across the same upon actuation of the knives, means for mounting said knives in position for simultaneous cutting action and for travel over a continuous, unreversed closed path located in its non-cutting stretch in non-intersecting relation to the body



to be cut, and means for driving the knives over such path, whereby the knives are arranged to so cut the extruded material simultaneously in two places and to follow a continuous, unreversed, closed path so that after shearing the extruded material they return to the cutting position without crossing the path of the next length of material being extruded, thus avoiding interruption of the feeding of such length into cutting position.

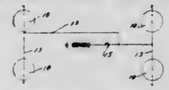
2,082,834
TOILET SET
Frank J. Hofmann, New York, N. Y.
Application October 14, 1936, Serial No. 105,471
3 Claims. (Cl. 132—84)



1. In combination, a hollow casing, a frame slidably disposed in said casing and comprising a bottom part, an elongated part extending therefrom in alignment therewith and a plate inwardly projecting from the free end of said elongated part at right angles thereto and having a hole therein for the reception of the threaded neck of a tube of tooth paste, or the like, and also having a slot to receive the free end of the handle of a tooth-brush, or the like, a screw-cap having a central bore to engage the threaded neck of the tube of tooth-paste, or the like, and a cover for said hollow casing of a length to close tightly over the central bore in said cap when in closed position on said casing.

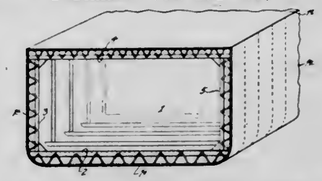
2,082,835
CIRCUIT CLOSER
Richard D. Kelly, The Dalles, Oreg.
Application May 5, 1936, Serial No. 78,017
5 Claims. (Cl. 200—58)

1. A tire deflation alarm including a casing swingingly supported by a part of the vehicle, a contact carried by and insulated from the casing, a tube carried by and depending from the casing, an arm mounted for rotation in the tube and extending above and below the same, the lower end of the arm being laterally deflected to permit it to be engaged by the bulging wall of a tire when deflated to rotate the arm in the tube,



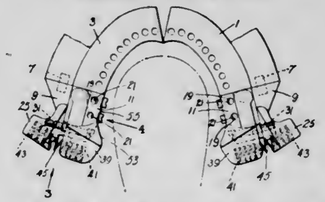
and a contact carried by the upper end of the arm within the casing and adapted to electrically engage the first-mentioned contact under predetermined rotation of the arm, said contacts controlling an alarm circuit.

2,082,836
WELDED CONSTRUCTION
Johannes Kjekstad, Hillside, N. J.
Application September 21, 1933, Serial No. 690,341
1 Claim. (Cl. 114—79)



In a vessel, the combination comprising a wall consisting of steel plating and a brace for the wall including a member having a flange extending parallel to the plane of the plating and spaced from the plating and a series of integral spaced transversals extending from one edge of the flange and between the flange and the plating, the ends of the transversals being welded to the plating.

2,082,837
LASTING MACHINE
Harold Lane and John William Pratt, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 31, 1936, Serial No. 61,794
In Great Britain March 16, 1935
7 Claims. (Cl. 12—14)

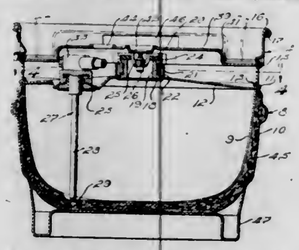


1. In a lasting machine, end-lasting wipers movable inwardly toward each other around an end of a shoe, said wipers having at their forward ends wiping members yieldable laterally of the shoe relatively to other wiping portions of the wipers to permit said members to engage each other without damage to the machine in the wiping operation.

2,082,838
CONTAINER
Bertil T. Lindell, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application April 9, 1934, Serial No. 719,714
4 Claims. (Cl. 220—16)

1. A container comprising an inner pot-shaped stamping, an outer pot-shaped stamping spaced

from said inner stamping and engaging the top edge thereof, a cover of pot shape having the bottom disposed adjacent to the joinder of the



inner and outer stampings, means for securing said three elements in unit relation, and a removable tray disposable on said cover and spaced from the bottom thereof.

2,082,839
FILAMENT STRUCTURE FOR ELECTRON DISCHARGE DEVICES
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 1, 1933, Serial No. 663,923
6 Claims. (Cl. 250—27.5)

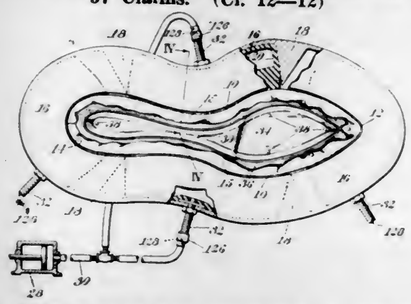


1. An electron discharge device adapted for use with ultra high frequencies having wave lengths of an order of a meter or less comprising an envelope having a stem, anode and grid electrodes within said envelope, a filament supported from said stem and having leads extending therethrough externally of said envelope, a support for said filament comprising a riser connected to the stem and rigidly fixed to that end of the filament remote from the stem, and capacity means within said envelope comprising condenser electrodes interposed between said riser and filament leads for insuring an approximately equal voltage distribution on said filament for currents of ultra high frequencies.

2,082,840
PROCESSES OF PRODUCING YARN
James Louis Lohrke, Thornbury Township, Delaware County, Pa.
No Drawing. Application April 13, 1935, Serial No. 16,158
5 Claims. (Cl. 19—1)

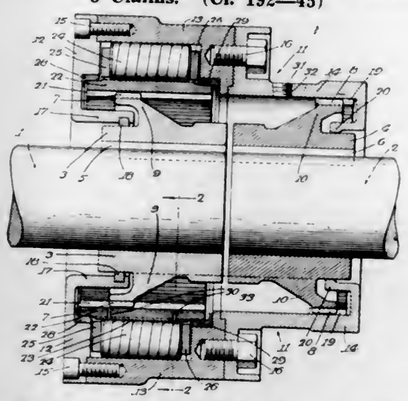
1. In the process of producing yarn from a sliver composed of a multiplicity of substantially continuous fibers grouped in substantial parallelism, while maintaining the substantial parallelism of the fibers and the continuity of the sliver, applying tension to successive portions of said fibers to progressively break the fibers to over-size staple length, and thereafter applying tension to the over-size staple lengths thus produced to break the same to staple fibers having a length not greater than that desired in the yarn.

2,082,841
METHOD OF AND MEANS FOR USE IN LASTING BOOTS AND SHOES
William Mackensen, New York, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 20, 1934, Serial No. 753,917
37 Claims. (Cl. 12—12)



1. Lasting apparatus comprising a member constructed and arranged to be held against the bottom face of a skeleton insole mounted on a last and provided with a raised portion constructed and arranged to register with the wall of the opening in the insole, the margin of said member being formed to provide an abutment flaring outwardly from the last bottom, against which abutment a portion of the margin of an upper may be lasted in upstanding position, and means for holding the margin of the upper against said abutment.

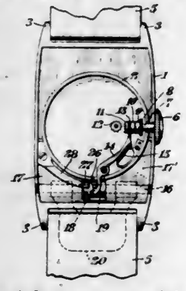
2,082,842
ONE-WAY CLUTCH
Joseph A. Marland, La Grange, Ill.
Application October 7, 1935, Serial No. 43,834
8 Claims. (Cl. 192—45)



1. In combination with a rotatable shaft, a one-way clutch comprising a sleeve member held in removable splined engagement with said shaft, the outer surface thereof having a centrally disposed band of similarly inclined ratchet-like roller-engaging cam-faces formed thereupon and similar smoothly surfaced end-parts at each side of said band; a cylindrical roller-cage surrounding the band of cam-faces upon said sleeve member; a cylindrical casing member surrounding said roller-cage and having a smooth inner roller-engaging surface; a series of clutch-rollers carried by said roller-cage in position between said members for wedging engagement each with one

of the cam-faces of said sleeve member and the smooth inner surface of said casing member; and a cover-plate removably secured to one side of said casing member in rotative engagement with one of the smoothly surfaced end-parts of said sleeve member to assist in holding said members in concentric spaced relationship and to permit said sleeve member to be removed and replaced in reverse position to reverse the rotative action of the clutch, whereupon said cover-plate will rotatively engage the other smoothly surfaced end-part of said sleeve member.

2,082,843
WRIST WATCH CASE AND SETTING SYSTEM FOR WATCHES
Samuel Mathez, New York, N. Y.
Application December 24, 1931, Serial No. 582,918
Renewed October 23, 1936
18 Claims. (Cl. 58—65)



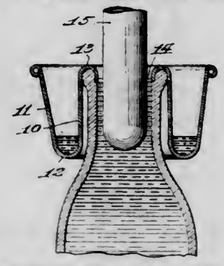
1. A wrist watch case comprising a main body portion for receiving a watch movement having a winding and a time setting device, strap securing means on said case, and a manipulative time setting member projecting through the wall of said case opposite the watch face, and mounted for movement from a normal position on the wrist of the wearer into time setting controlling position.

2,082,844
MECHANICAL PENCIL
Joseph Meilner, West Orange, N. J., assignor to Eagle Pencil Company, a corporation of Delaware
Application March 28, 1935, Serial No. 13,378
5 Claims. (Cl. 120—18)



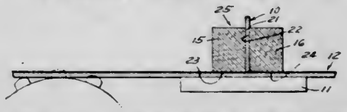
1. A mechanical lead pencil comprising a barrel having a coaxial helical feed rigid therewith, a metal tube passing through said barrel and having a lead follower therein with a lateral offset protruding through a slot longitudinally of said tube and riding in said helical feed, a bearing for said tube near the point of said pencil, a ferrule at the opposite end of said pencil rotatable on said barrel and fixed to said tube, said tube having a portion of the continuous length thereof near said ferrule spread outward for frictional engagement with the inner cylindrical wall of the helical feed, the length of said tube between said spread portion and said point being substantially free from frictional engagement with said helical feed.

2,082,845
CREAM REMOVER FOR MILK BOTTLES
William E. Osborne, Los Angeles, Calif.
Application June 12, 1936, Serial No. 84,881
2 Claims. (Cl. 210—51.5)



1. In a cream remover for milk bottles, a cup having inner and outer walls spaced apart to form an annular chamber, the lower portions of which walls are connected, an integral flange projecting inwardly and downwardly from the upper edge of the inner wall and adapted to rest on the lip of a milk bottle and a series of teeth projecting inwardly from the inner lower edge of said flange.

2,082,846
PROCESS OF AND APPARATUS FOR PHOTOGRAPHICALLY RECORDING SOUNDS
Russell M. Otis, Alhambra, Calif.
Application July 17, 1929, Serial No. 378,994
22 Claims. (Cl. 179—100.3)

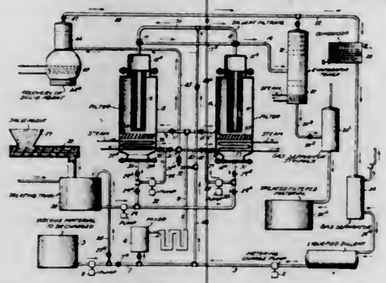


1. A method of producing talking motion-pictures, which method includes the steps of: forming photographic Lichtenberg figures on a motion-picture film varying in density in response to variations of sound to be recorded; and confining said Lichtenberg figures so that they are of substantially constant area and of a width of one-thousandth of an inch or less.

2,082,847
METHOD OF AND APPARATUS FOR FILTERING HIGH VISCOSITY LIQUIDS
Earl Petty, New York, N. Y., assignor to Alco Products, Incorporated, New York, N. Y., a corporation of Delaware
Application September 21, 1933, Serial No. 690,385
4 Claims. (Cl. 210—177)

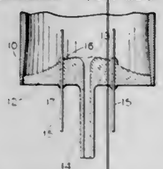
1. A method of separating finely divided solid material from viscous liquids containing the same,

comprising diluting the viscous liquid with a liquefied normally gaseous diluent, passing the diluted liquid into a combined filtration and settling zone, continuously removing filtrate from said zone, maintaining a liquid slurry of the solid material in the settling zone by continuously removing slurry from the zone before complete



settling of the solid material has taken place, passing the removed slurry to a second combined filtration and settling zone, removing filtrate from said second zone and maintaining a liquid slurry of the solid material in said second zone by continuously removing slurry from the zone before complete settling of the solid material has taken place.

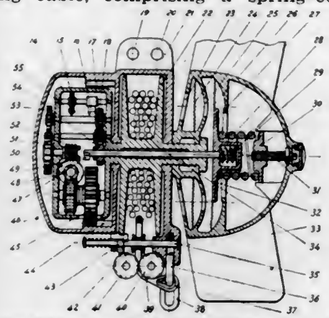
2,082,848
STEM FOR ELECTRON DISCHARGE DEVICES
George M. Rose, Jr., Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Application November 9, 1934, Serial No. 752,237
5 Claims. (Cl. 250—27.5)



1. An electron discharge device having a metal envelope and a vitreous stem having a disc-like press provided with a central opening, an exhaust tube projecting perpendicularly from said press and communicating with said central opening, leading-in wires spaced in a circle around the central opening and hermetically sealed into said press with pips formed on opposite sides of said press around said wires, said press having a comparatively thin edge and increasing in thickness from the edge to the exhaust tube, the thin edge of the press being hermetically sealed to said metal envelope.

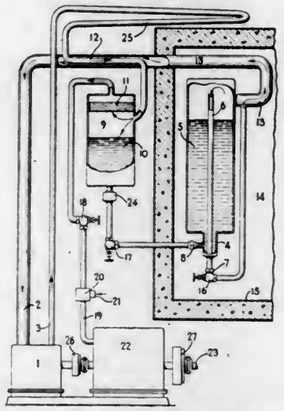
2,082,849
DEPTH-REGULATOR FOR SUBMARINE MINES IN TIDAL WATERS
Demeter Rudmann, Fiume, Italy
Application January 19, 1935, Serial No. 2,509
In Italy October 13, 1934
1 Claim. (Cl. 102—3)

A depth regulator for a submarine mine having mooring means therefor, including a mooring cable, said depth regulator comprising a rotatable drum, a casing therefor, a rope coiled thereon and adapted to be connected to said mooring cable, a rotatable axle carrying said drum, means intermediate said axle and said drum for transmitting rotation to said drum in either direction, a turbine operatively connected to said axle, and a safety-gear intermediate said rope and said mooring cable, comprising a spring-controlled



bolt movably mounted in said casing, a means retaining said bolt in position, chain-links intermediate said mooring cable and said rope and held by said bolt in inactive position and adapted to operatively connect said mooring cable with said rope upon the release of said bolt.

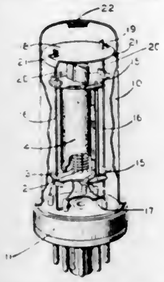
2,082,850
REFRIGERATING SYSTEM
Peter Schlumbohm, New York, N. Y.
Application February 24, 1936, Serial No. 65,177
1 Claim. (Cl. 62—1)



A refrigerating system including a combustion engine to drive the compressor of the refrigerating system and a fuel tank adapted to receive condensed liquid refrigerant, uncondensed vapors of the refrigerant, decomposed refrigerant and air from the condenser of the refrigerating system, and connecting means between said fuel tank and said combustion engine, comprising a diffusion filter through which vapors and air pass on their way to said combustion engine.

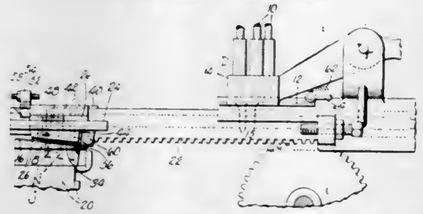
2,082,851
ELECTRON DISCHARGE DEVICE
Newell R. Smith, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 27, 1935, Serial No. 18,554
2 Claims. (Cl. 250—27.5)

1. An electron discharge device comprising a metal envelope, a getter holder secured to the inner wall of said envelope, two parallel support rods secured internally of said envelope, two insulating spacing members secured between said support rods, a cathode with cooperating grid and anode electrodes mounted on and between



said spacing members, a centering member secured between said support rods outwardly from said spacing members and yieldingly abutting the inner wall of said envelope, said centering member having a central imperforate portion to shield said insulating members from said getter holder.

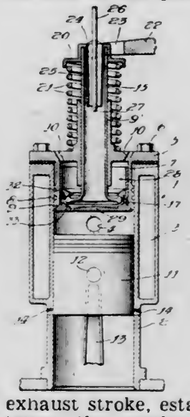
2,082,852
NAIL-TRANSFERRING DEVICE
John F. Standish, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 20, 1935, Serial No. 41,428
19 Claims. (Cl. 1—32)



1. In a nailing machine, a loader-block movable to deliver nails for their insertion in the work and provided with passages for holding the nails, said passages opening through opposite sides of the block, and movable means at such opposite sides of the block for temporarily retaining the nails in the passages during the movement of said block into nail-delivering position.

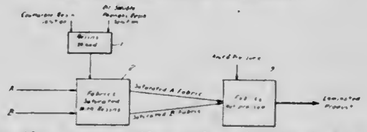
2,082,853
INTERNAL COMBUSTION ENGINE
Alexander Stoikowitz, Hammond, Ind.
Application February 23, 1935, Serial No. 7,749
6 Claims. (Cl. 123—79)

1. An internal combustion engine comprising in combination, a cylinder, a power piston slidably positioned in said cylinder, a hollow piston valve reciprocally positioned in the upper portion of said cylinder, said valve being provided with a plurality of inlet and exhaust apertures, means for reciprocating said piston valve to establish communication between the combustion chamber of the cylinder and the interior of the piston valve, said means comprising a hollow valve stem which serves as means for the introduction of the fuel mixture supply, and means for simultaneously establishing communication between said hollow valve stem and said apertures to introduce said combustible mixture into said combustion chamber on the suction stroke of the power piston, and close communication between said apertures and the interior of the piston valve, said



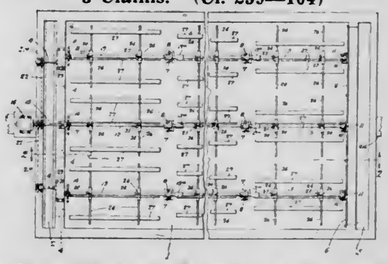
means, on the exhaust stroke, establishing communication between the combustion chamber and the interior of the piston valve.

2,082,854
LAMINATED PRODUCTS AND METHOD OF MAKING
Leslie Thompson Sutherland, Yonkers, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application November 25, 1932, Serial No. 644,319
20 Claims. (Cl. 154—2)



1. In the preparation of a laminated structure, embodying a coumarone resin as an impregnating material, by superimposing and compressing a plurality of impregnated laminae, the improvement which comprises providing a binder of the group consisting of oil-soluble phenolic resin and a mixture of said oil-soluble phenolic resin with coumarone resin, and subjecting the superimposed laminae to heat and pressure so as to effect the hardening of the phenolic resin.

2,082,855
MIXING AND COAGULATING DEVICE
Marcus B. Tark, Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application January 25, 1936, Serial No. 60,800
3 Claims. (Cl. 259—104)



1. In a mixing and flocculating device, a horizontally disposed shaft, supporting bearings

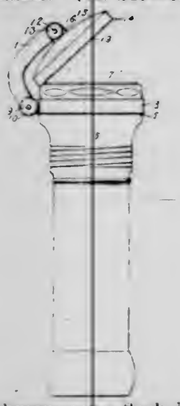
therefor spaced therealong, radial arms projecting from the shaft adjacent the bearings, brackets slidable along said arms and means for locking the brackets in radially adjusted position thereon, blades generally parallel with the shaft pivoted on the brackets and means for locking the blades in angularly adjusted position thereon.

2,082,856
BRAKE SHOE
Francis A. Thau, Jersey City, N. J.
Application December 10, 1936, Serial No. 115,082
6 Claims. (Cl. 188—244)



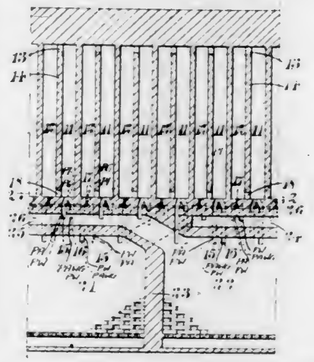
1. A brake shoe device comprising a brake shoe having a locking member projecting therefrom and provided with a locking flange, a brake head having a T shaped slot to receive endwise therein the locking member of said brake shoe, said locking member having one or more projections and said brake head having one or more recesses to receive said projection or projections therein to lock the brake shoe against endwise disengagement from said brake head, said parts being so designed that the said locking member may have a limited front and back movement in relation to the brake head to permit said projections to engage in and disengage from said recesses.

2,082,857
REFLECTOR ATTACHMENT FOR FLASHLIGHTS
Charles Thoroughgood and Harold J. McLaughlin, New York, N. Y.
Application May 11, 1935, Serial No. 20,925
Renewed November 12, 1936
4 Claims. (Cl. 240—6.4)



1. In an attachment for a flash-light, the combination of a clamp-band of proper size and shape to embrace a casing of a flash-light, a substantially L-shaped arm pivotally and frictionally connected to said clamp-band in proper relation for being angularly adjusted about its pivotal connection and to be frictionally held at different adjustments, and a reflector-unit pivotally and frictionally connected to said arm in a proper relation to be moved to different angularly adjusted positions and frictionally maintained thereat, the substantially L-shaped arm providing a compact arrangement in relation to said clamp-band and reflector-unit while the latter is in its normal substantially parallel relation to said clamp-band.

2,082,858
COKE OVEN
Friedrich Totzek, Essen-Stoppenberg, Germany, assignor, by mesne assignments, to Koppers Company, a corporation of Delaware
Application March 30, 1931, Serial No. 526,222
In Germany March 31, 1930
10 Claims. (Cl. 202—144)

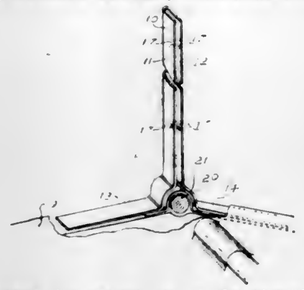


1. A coke oven having combustion flues with circulating gas passages communicating with the flues through inlet and outlet openings therefor for circulation of gases through the respective flues, each flue having two inlet ports for admission of air and rich gas to the flues so situated in relation to the inlet openings for the flues that circulating gas passing through the inlet opening of a flue may be directed into the latter between the currents that may issue from the respective inlet ports into the flue for inflow of rich gas and air, the rich gas main communicating with its rich gas port and having no other communication with the stack or oven.

2,082,859
DISPLAY SIGN HOLDER
Chauncey M. Walker, Detroit, Mich., assignor to Albert R. Kimmick, Detroit, Mich.
Application December 5, 1934, Serial No. 756,091
1 Claim. (Cl. 40—129)

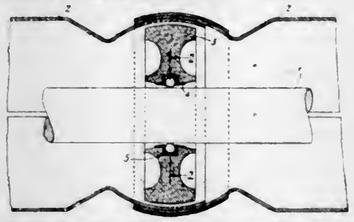
In a device of the character described, the combination of an automobile radiator, two hood portions longitudinally hingedly connected and having opposed spaced edge faces forwardly of said hinged connection, and the front extremities of said hood portions resting upon said radiator, of a U-shaped holder adapted to engage opposite sides of a sign adjacent one margin thereof, and two legs integral with said holder, each leg forming a downward extension of one side of the holder and extending between the opposed spaced edge faces of the hood portions, said legs terminating in extremities outwardly

flexed in opposite directions whereby each leg extremity extends laterally outwards under one



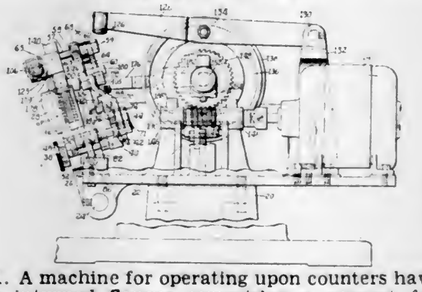
hood portion by which it is frictionally held upon said radiator.

2,082,860
HIGH FREQUENCY CABLE
Ludwig Walter, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 4, 1934, Serial No. 738,477
In Germany October 23, 1933
4 Claims. (Cl. 173—265)



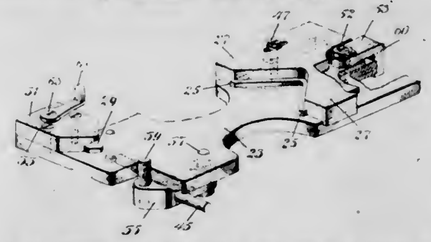
1. A high-frequency cable, especially adapted for higher voltages, comprising an outer conductor, an inner conductor supported by insulating annular spacers which are metallized on the surface turned towards the inner conductor, with this characteristic feature that between the metallized surface of said spacer and the inner conductor there is interposed a yielding metallic body for the purpose of insuring electrical contact between said inner conductor and the metallized surface.

2,082,861
MACHINE FOR OPERATING UPON SHOE PARTS
Harold Warren, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 10, 1936, Serial No. 63,044
19 Claims. (Cl. 12—61)



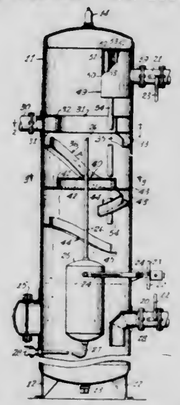
1. A machine for operating upon counters having inturned flanges comprising a support for the rear portion of a counter to be operated upon, a separate support for the ends of the flange of the counter mounted for movement relatively to the first-mentioned support to determine the distance between the supports in accordance with the length of the counter, a knife movable heightwise of the separate support for slitting the flange, and a member movable after the flange has been slit to bend a portion of the flange outwardly to form a lip.

2,082,862
LOCATING DEVICE
Lewis F. Weber, New Rochelle, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 15, 1935, Serial No. 45,107
5 Claims. (Cl. 33—180)



1. A device for locating two sole-shaped articles in predetermined superposed position having, in combination, a plate for supporting the articles in superposed relation, toe gages having re-entrant work-engaging faces adapted to engage the edges of the articles adjacent to their toe ends, said gages being relatively adjustable with respect to each other, shank gages also relatively adjustable with respect to each other and adapted to engage edges of the articles, and means movable independently of the gages for yieldingly holding the lower of the two articles against its shank gage.

2,082,863
OIL AND GAS SEPARATOR
Edwin C. Weisgerber, Los Angeles, Calif., assignor to Master Separator and Valve Company, a corporation of California
Application November 11, 1935, Serial No. 49,229
4 Claims. (Cl. 183—2.7)



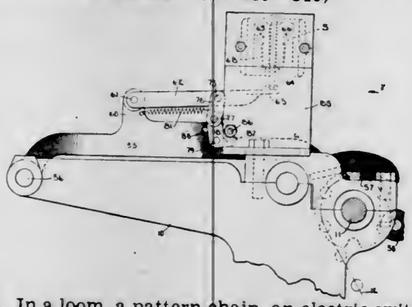
1. In a gas and oil separator, the combination of: a vertical shell; an annular chamber mounted on the wall of said shell near its upper end, said chamber having bottom openings; a horizontal gallery mounted on said shell wall below

said chamber; means for introducing a gas and oil fluid mixture into said annular chamber; means for imparting a unidirectional flow to said fluid mixture as it enters said chamber; spiral trough means mounted on said shell wall below said chamber and adapted to conduct fluid flowing through said chamber opening on to said gallery; and a second spiral trough mounted on said shell wall below said gallery and adapted to conduct fluid flowing through openings in the bottom of said gallery into the bottom portion of said shell.

2,082,864
STOP MOTION FOR LOOMS

Herbert A. Whitin, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application February 25, 1936, Serial No. 65,564
5 Claims. (Cl. 139—340)

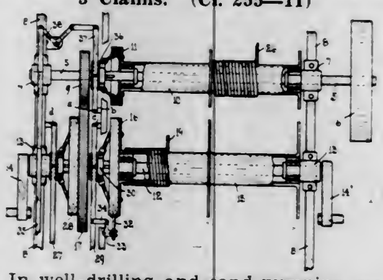


1. In a loom, a pattern chain, an electric switch tending normally to be in open position, means to initiate loom stoppage when the switch is closed, a lever to be raised by the pattern chain, means controlled by the lever and operative during the first part of the up motion of the lever to establish an operative connection between the lever and switch to close the switch, and means operative during the remainder of the up motion of the lever to break the connection between the lever and the switch.

2,082,865
WELL DRILLING MECHANISM

Cornelius R. Wigness and James W. Kirby, Harlan, Iowa

Application December 14, 1935, Serial No. 54,468
3 Claims. (Cl. 255—11)



1. In well-drilling and sand-pumping mechanism, an idler crank-shaft, an idler gear wheel on the idler crank-shaft provided with a clutch, an idler drum on the idler crank-shaft provided with a clutch-wheel, a drill-supporting cable on said drum, a power-shaft, a gear wheel carried by the power-shaft in mesh with the idler gear wheel, a second drum, said second drum being mounted as an idler on the power-shaft and provided with a clutch-wheel, a sand-pump supporting-cable on the second drum, a clutch-member on the crank-shaft for the clutch-wheel of the first named drum, and a clutch-member on the power-shaft for the clutch-wheel of the second drum.

2,082,866
RADIATOR WATER FILTER

Joseph F. Alexander, Wichita, Kans., assignor of forty-nine per cent to Clarence L. George, Wichita, Kans.

Application May 13, 1935, Serial No. 21,136
3 Claims. (Cl. 257—125)

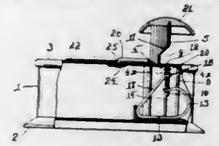


1. In a cooling system for internal combustion motors; a radiator comprising a tank having water passages emptying therefrom, a second tank positioned in the rear of the first said tank; a partition in the second said tank forming a first and second compartment in the second said tank; said first compartment having a drainage opening, and means for opening and closing said drainage opening, a pipe connection to the first said compartment for receiving water from the motor into said first compartment; a filter, said filter being positioned in said first compartment and carried by one end of a fitting which passes through said partition in the second said tank; said fitting having an opening therein emptying into said second compartment, the other end of said fitting terminating in a second fitting that is detachably carried by the outside wall of said second compartment, and means in said second fitting for closing the opening into the first said fitting; and a passage for permitting the free passage of water between the second said compartment and the first said tank.

2,082,867
CUTTING DEVICE

Jörgen C. Andersen, Rochester, N. Y., assignor of three-fourths to Theodore Christie, Rochester, N. Y.

Application July 11, 1935, Serial No. 30,874
Renewed October 22, 1936
4 Claims. (Cl. 164—57)

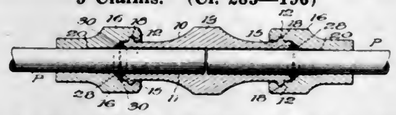


1. A cutting device for round trimming the corners of sheet stock including a movable angle shaped cutting blade, a rounded corner connecting the angularly disposed sides of said cutting blade, said cutting blade having a substantially triangular opening in the rounded corner thereof to provide a triangular, angularly disposed and rounded cutting edge in said cutting blade across the opening provided therein, the angularly disposed sides of said angle shaped cutting blade on either side of said opening forming guide and gauge means to engage adjacent edges of sheet stock and hold the corner thereof projecting thru the opening in the blade, a cutting edge cooperating with said cutting blade and guide means for said cutting blade to cause the triangularly shaped cutting edge to round trim the corner of the sheet stock projecting thru said opening in said cutting blade between said triangular cutting edge and the cooperating cutting edge.

2,082,868
PIPE COUPLING

William S. Board, Middleport, Ohio

Application September 9, 1936, Serial No. 99,989
5 Claims. (Cl. 285—196)

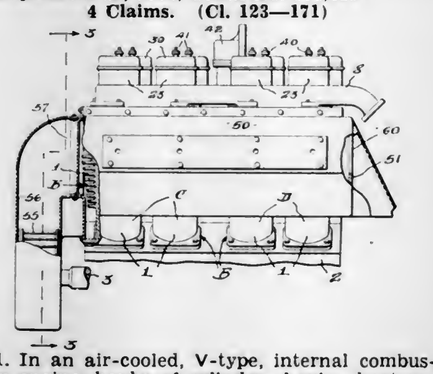


1. A pipe coupling including a metallic sleeve cast in final form and adapted to receive adjacent terminals of separate pipe sections therein, the opposed terminals of the cast sleeve having helical threads cast in final form on the exterior thereof and the space between adjacent convolutions of the thread being greater than the thickness of a convolution, metallic nuts cast in final form and adapted to cooperatively engage the opposed terminals of the sleeve, each nut having an axial aperture formed therein through which a pipe terminal extends and an axial recess in which helical threads are cast in final form to cooperatively engage the cast threads on the sleeve and the space between adjacent convolutions of these threads being greater than the thickness of a convolution so that the cast threads of the nuts loosely engage the cast threads of the sleeve, a resilient gasket received in the recess of each nut and positioned between a terminal of the sleeve and the nut to oppose the movement of the nut towards the sleeve to force the convolutions of the threads of the nut outwardly into engagement with the convolutions of the threads of the sleeve, the movement of the nuts towards the sleeve compressing the gaskets around the pipe sections to thereby produce a leak-tight joint around the pipe section between the terminals of the sleeve and the cooperating nuts.

2,082,869
AIR-COOLED V-TYPE INTERNAL COMBUSTION ENGINE

Charles S. Brown, Syracuse, N. Y.

Original application September 30, 1931, Serial No. 566,073. Divided and this application September 22, 1932, Serial No. 634,415
4 Claims. (Cl. 123—171)

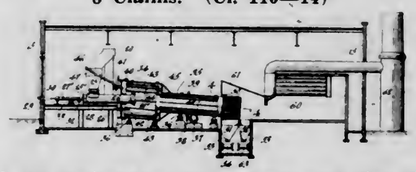


1. In an air-cooled, V-type, internal combustion engine, banks of cylinders having heat radiating flanges, a casing surrounding the cylinders in the form of a box having side walls spaced apart from the outer sides of the banks of cylinders, rear and top walls, the casing having inlet and outlet openings only at its front and rear ends respectively, a fan rotor actuated by the engine and having a casing formed with outlets arranged to discharge air through the inlets of the engine casing between the banks of cylinders and along the outer sides of the banks between the side walls of the casing and the outer sides of the banks, the outlet openings of the casing being arranged out of line with the inlet openings, all whereby the air passed between the banks of cylinders passes around and between the cylinders and joins the air currents passing along the outer sides of the cylinders.

2,082,870
GARBAGE INCINERATOR

James H. Caffrey, Buffalo, N. Y.

Application November 5, 1935, Serial No. 48,359
8 Claims. (Cl. 110—14)

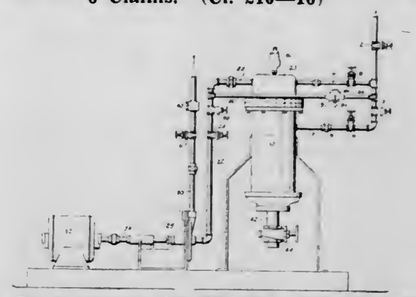


1. An incinerator for garbage and the like, comprising a charging unit having an inlet and an outlet and including means for gradually feeding the garbage therethrough toward said outlet, a revolving furnace-drum adjoining said charging unit and into which its outlet extends, said drum having means for lifting and dropping the material as it is revolved and including a flue-like extension for the passage of the incinerated material and for the gases emitted during incineration, and means for intercepting the incinerated material in the drum and discharging it into said extension.

2,082,871
BOILER WATER CONDITIONING SYSTEM

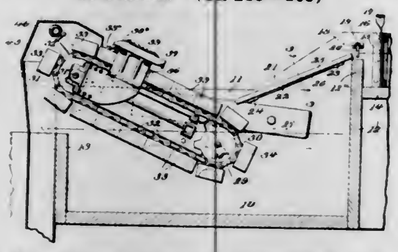
Joseph C. Callery and Joseph S. Callery, Cleveland Heights, Ohio

Application April 6, 1935, Serial No. 15,140
6 Claims. (Cl. 210—16)



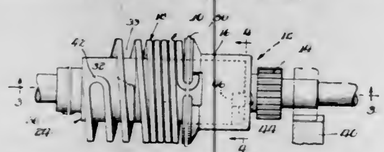
1. In a system for filtering storage boiler water and for washing the filter by reverse flow under boiler pressure, a pipe connection from the boiler to the filter and another pipe connection from the filter through a pump to the boiler, a further outlet from the filter, said reverse flow being from said boiler outlet through the filter and said further outlet, a by-pass connecting the inlet and outlet conduits and normally open during the filtering operation, means in said connection responsive to the differential pressure tending to resist flow therethrough, and an indicator actuated by said pressure-responsive means to determine the amount of contamination of the filter.

2,082,872
MACHINE FOR SLICING MUSHROOMS
William E. Chambers, West Chester, Pa.
Application April 7, 1936, Serial No. 73,160
10 Claims. (Cl. 146—163)



1. A machine for slicing mushrooms comprising a conveyor, transverse conveyor bars carried by said conveyor and having recesses therein for individually supporting the mushrooms, water flotation means for delivering the mushrooms to the recesses in the transverse conveyor bars in position for slicing, and means including a gang of transversely spaced stationary knives for slicing the mushrooms, said knives being arranged in offset relationship with respect to the direction of movement of the conveyor whereby the mushrooms are brought successively into contact with the knives during the slicing operation, and means for engaging the upper surface of the mushrooms during the slicing operation whereby to hold the mushrooms within the said recesses.

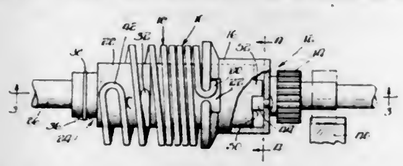
2,082,873
ENGINE STARTER
James A. Charter, Chicago, Ill., assignor to Charter Drive, Inc., Chicago, Ill., a corporation of Illinois
Application May 29, 1936, Serial No. 82,428
12 Claims. (Cl. 74—9)



1. The method of controlling the starting of an internal combustion engine which includes the steps of relatively rotating a pair of frictionally engageable actuating members so as to cause movement of a driving member into operative association with an engine part to be driven, subsequently causing relative rotary movement of said actuating members so as to quickly retract said driving member, and when said driving member approaches a predetermined position of retraction, gradually building up frictional resistance between said actuating members to gradually decelerate said engine driving member and prevent the rebounding thereof.

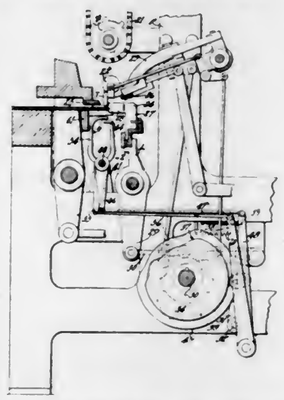
2,082,874
ENGINE STARTER
James A. Charter, Chicago, Ill., assignor to Charter Drive, Inc., Chicago, Ill., a corporation of Illinois
Application September 25, 1936, Serial No. 102,526
7 Claims. (Cl. 74—9)

1. In an engine starting device, a drive shaft unit, an engine driving member on said unit adapted for both longitudinal and rotary movement, said member being adapted in one shifted position to operatively engage an engine gear to be driven, a coiled spring structure on said unit and movable with said driving member, actuating means movable with said drive shaft unit and cooperating with said coiled spring for effecting longitudinal movement of said engine driving member, an abutment section movable with said driving member, a second abutment section associated with said drive shaft unit adapted



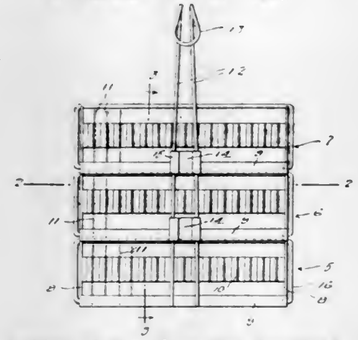
to be frictionally engaged by the first abutment section when said driving member is being retracted whereby to cause relative gradual building up of frictional resistance between said coiled spring and actuating means during the final relative rotation between said coiled spring and actuating means, and thereby gradually decelerate said engine driving member so as to prevent rebounding thereof, and means operatively associated with said abutment sections to prevent creeping of said driving member toward the engine gear.

2,082,875
LOOM FOR WEAVING TUFTED PILE FABRIC
Edward J. Dacey, Philadelphia, Pa., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 12, 1933, Serial No. 693,333
11 Claims. (Cl. 139—9)



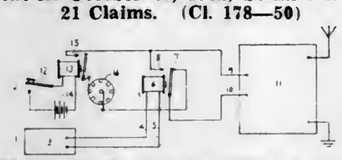
1. In a loom for weaving tuft pile fabrics and operating with warp threads, a reed having dents, a tube frame having yarn tubes from which tuft forming yarns project, a bar having notches therein, means to move the bar to cause the notches to register with the yarn tubes when the tube frame is projected through the warp threads, a second bar with notches therein positioned for engagement with the tuft yarns, and means to separate the bars to facilitate entry of the tuft yarns between them and thereafter cause the bars to approach each other to engage and align the tuft yarns with the reed dents as the reed advances.

2,082,876
FILM DEVELOPING HOLDER
Louis E. Davis, Fort Smith, Ark.
Application December 7, 1936, Serial No. 114,703
4 Claims. (Cl. 95—100)



1. A holder of the character described comprising a magazine structure, a hanger consisting of a pair of spring leg members and a head portion and a hook structure on one side of the said magazine into which the spring leg members of the hanger can be engaged for tensionally securing the magazine to the hanger.

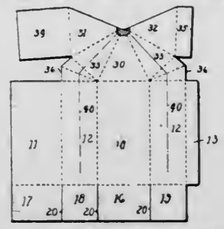
2,082,877
MULTIPLEX COMMUNICATION SIGNALING SYSTEM
Samuel Relf Durand, Milwaukee, Wis., assignor to American Telephone and Telegraph Company, a corporation of New York
Application October 21, 1932, Serial No. 638,948
21 Claims. (Cl. 178—50)



1. The method of transmitting a secondary code message during the transmission of a primary code message which comprises transmitting a primary code message having integral signal elements and spacing intervals therebetween, and transmitting electrical impulses during the spacing intervals of the primary code, aggregate summations of the impulses constituting signal elements of the secondary code message such that each secondary element endures several times longer than the longest primary element.

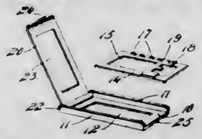
2,082,878
POWDER CONTAINER
George R. Elliott, Worcester, and Roland M. Cook, Shrewsbury, Mass.
Application September 24, 1935, Serial No. 41,918
1 Claim. (Cl. 221—61)

A dispensing container formed from a blank of sheet material, comprising a body portion having four sides all of substantially rectangular configuration, a reinforced base formed of overlapping flaps integral with the sides, and a dispensing portion of pyramidal form terminating in a nozzle and having four sides all of triangular shape, said container being scored on two opposite sides for inward folding, the score lines in the assembled container extending from the nozzle of the container downwardly to a location adjacent the base of the container, said container being operable with a bellows action to



eject its contents through said nozzle after the tip of the pyramidal portion has been severed.

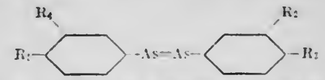
2,082,879
ORNAMENTAL JEWELRY STRUCTURE
Karl Fassnacht, Providence, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application February 10, 1936, Serial No. 63,178
3 Claims. (Cl. 40—140)



2. An initial display structure comprising a supporting member provided with spaced upstanding sides, a holding member pivotally connected to said supporting member and provided with a display opening, means carried by one of said members engaging the other said member in the closed position of the members to releasably secure the members in closed position, an initial supporting plate and initial members receivable between the spaced upstanding sides of said supporting member, and means forming parts of said members for holding the initial supporting plate and initial members in fixed position between said members when the members are secured in closed position.

2,082,880
SULPHOXYLATE-AMINO-ARSENO BENZENES
Alfred Fehrle, Bad Soden-in-Taunus, Karl Streitwolf, deceased, late of Frankfort-on-the-Main, by Frieda Streitwolf, administratrix, Frankfort-on-the-Main, and Paul Fritzsche, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 15, 1934, Serial No. 757,730. In Germany December 19, 1933
5 Claims. (Cl. 260—15)

1. The products of the following general formula:

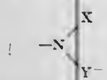


wherein R_2 and R_3 are members of the group consisting of —OH and

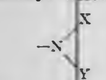


X and Y being alkyl radicals containing at least

one hydroxyl group and R_2 being hydroxyl when R_3 is the group

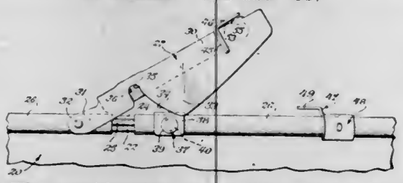


and R_3 being hydroxyl when R_2 is the group



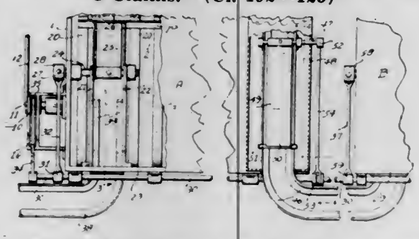
and R_4 and R_5 are members of the group consisting of —OH and —NH·CH_2·SO_2Z, Z being an alkali metal, R_4 being hydroxyl when R_5 is the group —NH·CH_2·SO_2Z, and R_5 being hydroxyl when R_4 is the group —NH·CH_2·SO_2Z, said products being readily soluble in water and showing valuable therapeutic properties.

2,082,881
BARREL CLOSURE
Ralph S. Fetter, Buffalo, N. Y.
Application April 10, 1936, Serial No. 73,709
12 Claims. (Cl. 220—61)



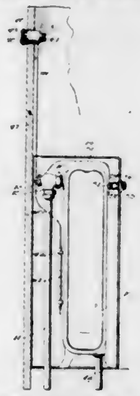
1. The combination of a barrel shell having a beaded mouth and a head having a rim fitting over said bead, a split ring formed to embrace said bead and rim, a lever which is channel-shaped in cross section and provided at one end with a side ear, a rivet connecting said ear to one end of said ring, said lever being movable vertically to embrace the opposite ends of said ring and also the adjacent portions of said rim and bead, and a pin provided in the side of the opposite end of said split ring, said lever being provided with an opening adapted to catch said pin when said ring is contracted.

2,082,882
AUTOMATIC STOP MECHANISM FOR CANNING APPARATUS
Anthony A. Garnero, Woodburn, Oreg.
Application December 30, 1935, Serial No. 56,752
5 Claims. (Cl. 192—125)



1. Means for releasing a clutch mechanism used with apparatus of the class described, comprising a pair of supports disposed in spaced relationship to each other, a shaft passing through said supports, a tripping tongue secured to said shaft between said supports, an arm secured to the exposed end of said shaft, a main shaft, an arm secured thereto in direct alignment with the first mentioned arm, a link joining said arms together and means secured to said main shaft for locking the lever of said clutch mechanism and responsive to actuation into unlocked position, when the tripping tongue is actuated in any manner.

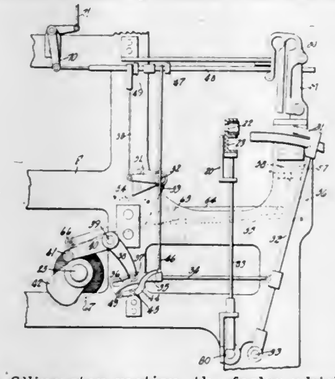
2,082,883
TEMPERATURE CONTROL MECHANISM FOR HEATING SYSTEMS
Jean V. Giesler, Knoxville, Tenn., and William B. Mackintosh, Youngwood, Pa., assignors to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application December 6, 1933, Serial No. 701,224
2 Claims. (Cl. 236—91)



1. In a temperature controlling mechanism for heating systems including a radiator, an inlet and an outlet conduit for said radiator, a cover for said radiator, and a valve in said inlet conduit to control the admission of the heating medium to said radiator, a motor element to operate said valve and subjected to the heat of the heating medium to vaporize a vaporizable fluid therein, a reservoir mounted on said radiator containing said vaporizable fluid, a conduit joining said reservoir and the interior of said motor element, a vessel with a manually adjustable volume filled with said vaporizable fluid mounted on said cover, a conduit joining said vessel and the interior of said motor element, a second vessel filled with said vaporizable fluid and having a manually adjustable volume subjected to outdoor temperature, and a conduit joining said second named vessel and the interior of said motor vessel whereby by manual adjustment of the volumes of said first named and said second named vessels more or less vaporizable fluid will be forced into the conduit joining said reservoir and the interior of said motor vessel by the action of the indoor and outdoor temperatures respectively and less or more temperature at said reservoir will be required to expand said vaporizable fluid and force it into said motor element to be vaporized by the heating medium to actuate said valve.

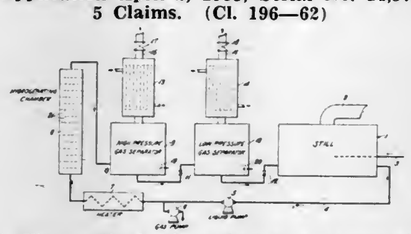
2,082,884
WEFT REPLENISHING DROP BOX LOOM
Albert A. Gordon and William M. Wattie, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 8, 1934, Serial No. 705,782
4 Claims. (Cl. 139—232)

1. In a weft replenishing pick-and-pick loom, a lay having a pair of shifting shuttle boxes at each end thereof, a pair of shuttles, means to shift said boxes so that each shuttle will always travel between a lower box at one end and an upper box at the opposite end, a magazine adjacent the shuttle boxes at one end of the lay and holding bobbins of one characteristic of weft only, the shuttle in the upper box at the magazine end always having weft of the kind stored in said magazine and the shuttle in the lower box at the magazine end always having a second and different kind of weft, a pair of feelers adjacent the boxes at the end of the lay remote from the magazine,



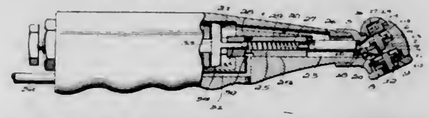
and a filling stop motion, the feeler which coacts with the weft in the shuttle in the top box at the feeler end of the lay being operatively connected to the filling stop motion to stop the loom on substantial exhaustion of the second kind of weft and with said shuttle in said top shuttle box at the feeler end of the lay, and the feeler which coacts with the weft in the shuttle in the lower box at the feeler end of the lay being operatively related to the magazine to effect automatic replenishment of the first kind of weft after said shuttle is received in the top box at the magazine end of the lay.

2,082,885
METHOD OF PRODUCING A WOOD PRESERVATIVE OR THE LIKE
Jacquelin E. Harvey, Jr., Cogdell, Ga., assignor of one-half to Southern Wood Preserving Company, Atlanta, Ga., a corporation of Georgia
Application April 2, 1935, Serial No. 14,378
5 Claims. (Cl. 196—62)



1. The method of producing a preservative wood impregnant which comprises: subjecting a pitch obtained from a material in the group consisting of coal tars and rosin pitch to hydrogenation with the temperature, pressure, and time so controlled that when the hydrogenated product is distilled up to a temperature to recover the desired product as a distillate said distillate will have no greater percentage of ends boiling below 210° C. than is permitted in specifications accepted in the trade for a wood preservative creosote directly recovered by distillation of coal tar and when the percentage of materials in said distillate boiling between 210° C. and 355° C. required by said specifications is produced; and distilling said hydrogenation product until the distillate has no greater percentage of ends boiling above 355° C. than is permitted by said specifications.

2,082,886
AIR DELIVERY DEVICE
James Harris Hardy, Columbus, Miss., assignor to Precision Air Gauge Company, Columbus, Miss., a corporation of Mississippi
Original application December 13, 1933, Serial No. 702,239. Divided and this application July 2, 1936, Serial No. 88,691
6 Claims. (Cl. 277—42)



1. In an air delivery device, the combination of a head having high and low pressure valves disconnected for relative movement mounted therein in series, said valves being constructed and arranged for seating movement in the same direction, means for connecting a fluid source with one of said valves, and means for connecting a separate fluid source with the other of said valves.

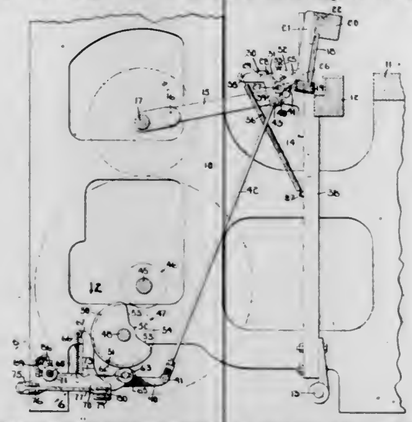
2,082,887
METHOD OF MAKING GYPSUM WALL PLASTER
Osborne Haydon, Port Clinton, Ohio, assignor to The American Gypsum Co., Port Clinton, Ohio, a corporation of Ohio
No Drawing. Application November 15, 1935, Serial No. 49,974
3 Claims. (Cl. 106—34)

1. The process of producing gypsum stucco for use in the manufacture of wall plasters comprising calcining gypsum in the presence of a higher fatty acid in amount greater than 0.05% and less than 0.2% of the uncalcined gypsum.

2,082,888
LOOM FOR WEAVING TERRY
Archibald J. Herard, Jr., Worcester, and Carl P. Bergstrom, Millbury, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 9, 1935, Serial No. 53,456
1 Claim. (Cl. 139—25)

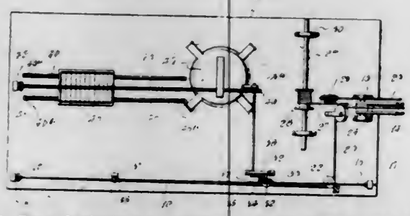
In a terry fabric loom having a lay, a reed capable of assuming two different positions relatively to the lay when the latter is forward, a regularly rotating cam having a high dwell and a recess interrupting said dwell, a rocker shaft, a cam lever mounted on and movable about the rocker shaft as a pivot under action of the cam, a transmitting lever also mounted on the rocker shaft, and having a part with an arcuate slot concentric with the shaft, a collar on the rocker shaft, an arm on the collar adjacent that part of the transmitting lever having the slot, bolting means passing through the arm and extending through the slot; to hold the transmitting lever and collar in any one of a plurality of relative angular positions with respect to each other about the rocker shaft, the transmitting lever capable of turning on the shaft relatively thereto when the bolting means is loosened, means to secure the

collar permanently to the shaft in a given position for all angular positions of the transmitting lever relatively to the shaft, the cam lever to assume a plurality of different positions with respect to the recess of the cam depending upon the relative angular relation of the transmitting lever and



collar, means to transmit an actuating force from the cam lever to the transmitting lever, and spaced means carried by the rocker shaft and operatively connected to the reed at spaced points to cause the latter to assume one or the other of its positions relatively to the lay when the latter is forward.

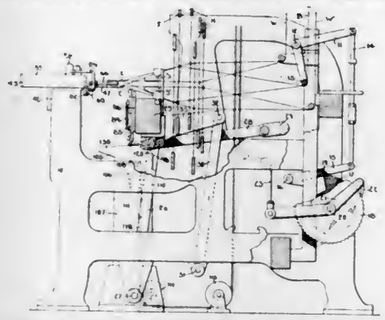
2,082,889
COUNTERBALANCING MEANS FOR HOISTING APPARATUS
Everett T. Hight, Oklahoma City, Okla.
Application December 26, 1935, Serial No. 56,267
8 Claims. (Cl. 212—49)



1. In a hoisting machine, a swinging boom and cable associated therewith, and means operated by the cable when the boom is loaded for counterbalancing the weighted boom, said means including a weighted element movable in a horizontal path towards and away from the boom, a gear train, a drive connection between the gear train and weighted element and a rod connected to the gear train and depending therefrom and operated by the cable when the latter is placed under tension by a load on the boom for operating the gear train to effect movement of the counterbalancing weighted element.

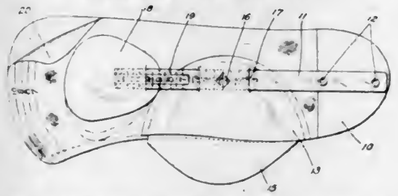
2,082,890
LOOM FOR WEAVING DOUBLE TAPES
Elbridge R. Holmes, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 24, 1935, Serial No. 56,023
15 Claims. (Cl. 139—20)

1. In a double shuttle loom, means to form top and bottom sheds of ground warps, a reciprocating reed to move forwardly to beat up filling in both sheds, a crossing warp to extend from one shed of ground warps to the other, means to move the crossing warps to a position in advance of



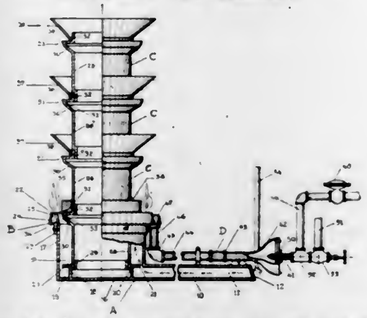
the reed when the latter beats up filling in the ground sheds, and a lock to hold said means in forward position when the reed moves rearwardly.

2,082,891
ADJUSTABLE ARCH SUPPORT
Walter H. Hubbard, Beverly, Mass.
Application September 28, 1936, Serial No. 102,930
6 Claims. (Cl. 36—71)



1. An adjustable arch support comprising a flexible sock lining having an adhesive under face, a flat strip underlying the sock lining and being flexible in flat-wise bending and two separate pads mounted on said strip beneath the sock lining for independent adjustment to selected locations beneath the foot of the wearer and adapted to be retained in their adjusted positions by attachment to said adhesive face of the sock lining.

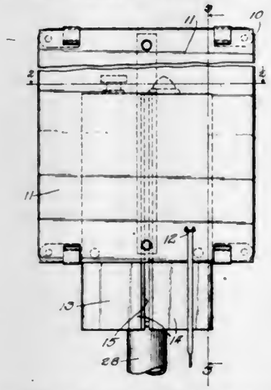
2,082,892
GAS BURNER
John O. Jensen, Chicago, Ill.
Application May 9, 1935, Serial No. 20,671
3 Claims. (Cl. 158—99)



1. In gas burner apparatus of the character set forth, a hollow base having an air inlet duct, a series of substantially identical baffle pieces

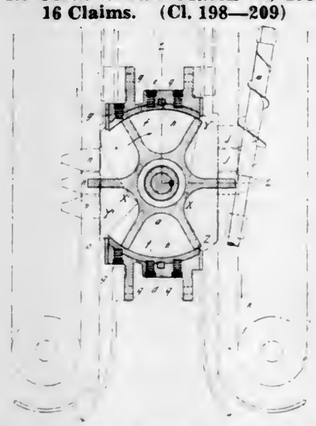
supported one on another, one of said baffle pieces providing with the walls of said base a secondary air passage, and a series of annular flange deflectors supported on each of the other baffle pieces.

2,082,893
RECORDING DEVICE
Harry M. Jones, Chicago, Ill.
Application July 23, 1936, Serial No. 92,221
9 Claims. (Cl. 271—8)



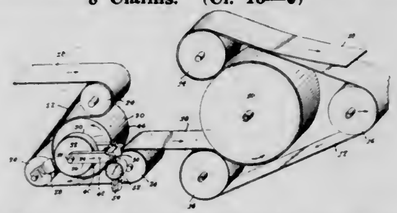
1. A recording device of the character described for driving a card adapted to have the record traced thereon, including: a carrier for said card; guide means for said carrier; a rack on said carrier; a pinion adapted to be engaged by said rack; electrically operated driving means for said pinion; and switch means adapted to be engaged by said rack for completing the circuit to said driving means, whereby said driving means is operative only when said switch is contacted by said rack.

2,082,894
CAN TRANSFER VALVE
Thomas Marsden Jones, Manchester, England, assignor, by mesne assignments, to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 12, 1935, Serial No. 10,742
In Great Britain March 22, 1934
16 Claims. (Cl. 198—209)



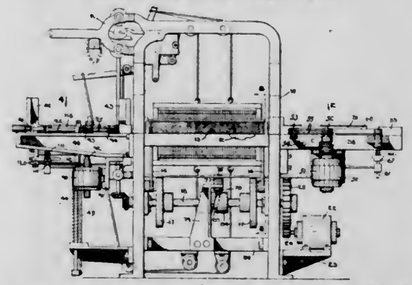
1. A can transfer valve comprising a housing provided with can inlet and discharge ports, a rotary can propeller mounted within said housing for rotation about an upright axis and provided with spaced radially projecting can propelling vanes forming can receiving pockets therebetween, a stationary can support beneath said propeller for slidably supporting cans advanced thereover by said propeller, said can support having a portion of reduced thickness adjacent said discharge port for successive cooperation with each can sliding over said can support to effect movement of each can outwardly of said can propeller and through said discharge port by the thrust of said propeller vanes.

2,082,895
METHOD OF AND APPARATUS FOR TENSIONING STRIP MATERIAL
Thomas M. Knowland, Belmont, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application June 21, 1935, Serial No. 27,728
8 Claims. (Cl. 18—6)



1. A machine for continuously tensioning moving strip material preparatory to vulcanizing it comprising, in combination, a cylinder about a substantial arcuate portion of which the strip passes, an endless belt also passing about such arcuate portion of the cylinder in position to press the strip into frictional contact with the cylinder, means for resisting rotation of the cylinder, and a rotatable vulcanizing drum for engaging the strip and drawing it from and against resistance to rotation of the cylinder.

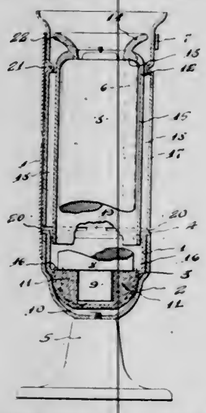
2,082,896
PICKING MOTION FOR LOOMS
Carl J. Lindegren, Providence, R. I., and Jacob B. Olch, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 5, 1935, Serial No. 14,806
18 Claims. (Cl. 139—142)



1. In a picking motion for a loom operating with a shuttle, a constantly travelling belt having a friction surface, a shuttle box adjacent the belt to receive the shuttle, a shuttle binder for the box normally positioned to hold the shuttle away from the belt, and means operative at the

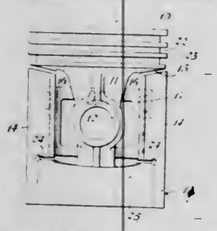
time of picking to move the shuttle toward the belt and also operative independently of the shuttle to move the binder away from shuttle checking position.

2,082,897
SANCTUARY CANDLE LAMP
Thomas J. Muench and Oscar D. Guilfoil, Syracuse, N. Y., assignors to Muench-Kreuzer Candle Company Inc., Syracuse, N. Y., a corporation of New York
Application July 19, 1935, Serial No. 32,250
11 Claims. (Cl. 240—13)



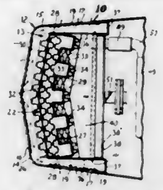
3. In a candle lamp, a receptacle in which the lower end of the candle is seated, a transparent sleeve enclosing the candle substantially the length thereof above the receptacle and an outer tubular transparent shield enclosing the sleeve and spaced apart therefrom forming an air jacket, the lower edge of the shield being spaced apart from, and opposed to the upper edge of the receptacle, and thereby forming an air gap between the lower end of the shield and the upper edge of the receptacle.

2,082,898
PISTON
Adolph L. Nelson, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich.
Application December 7, 1927, Serial No. 238,249
Renewed March 26, 1931
4 Claims. (Cl. 309—13)



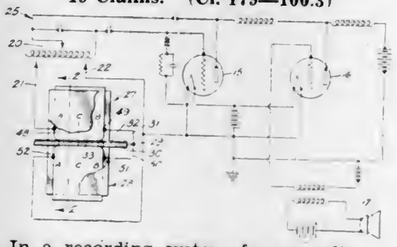
1. A piston comprising a head, piers depending from the head, cylinder-bearing portions connected to the piers and formed of relatively light-weight material, and struts of relatively inexpansible material connecting the cylinder-bearing portions, the upper ends of the cylinder-bearing portions being separated from the head by straight, inclined slots.

2,082,899
RADIATOR
William A. Norris, Alhambra, Calif.
Application November 13, 1935, Serial No. 49,470
9 Claims. (Cl. 257—130)



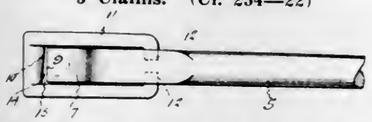
9. A radiator including a housing having front and rear walls, a mesh member secured to the front of the front wall, a second mesh member arranged within the housing and a third mesh member engaging the rear wall of said housing, all of said mesh members being arranged in serpentine form with crests engaging the respective walls, said rear wall including crenelations.

2,082,900
SOUND RECORDING SYSTEM
Russell M. Otis, Alhambra, Calif.
Original application July 17, 1929, Serial No. 378,994. Divided and this application December 23, 1930, Serial No. 504,266
19 Claims. (Cl. 179—100.3)



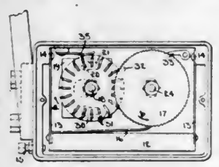
1. In a recording system for recording on a photo-sensitive element, the combination of: a primary electrode positioned close to said photo-sensitive element and formed of a high-resistance material; a current source for sending a current through said primary electrode in a direction across said photo-sensitive element whereby a voltage drop takes place across said primary electrode; and a secondary electrode means positioned on the opposite side of said photo-sensitive element from said electrode and electrically connected to said current source, said current source developing sufficient potential to expose said photo-sensitive element.

2,082,901
NAIL PULLER
Carl Palmu, Maple, Wis.
Application May 12, 1936, Serial No. 79,375
3 Claims. (Cl. 254—22)



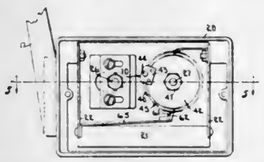
3. A nail puller comprising a handle having a claw at one end provided with an end edge, a U-shaped yoke pivoted at one end to said claw and provided at its free end with a jaw adapted to cooperate with said claw, the bight portion of said yoke having one edge spaced from the end edge of the claw and inclined with respect to the claw to accommodate nail shanks of varying diameters.

2,082,902
THREAD HOLDER FOR AUTOMATIC LOOMS
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 2, 1936, Serial No. 72,361
16 Claims. (Cl. 139—247)



1. In a thread holder for a loom, a housing subject to vibration as the loom operates, a weight suspended from the housing and capable of relative vibrational motion with respect to the housing during loom operation, a pair of thread engaging rolls, a rotatable actuator, means connected to the weight to turn the actuator during loom operation, an element movable with the actuator, and means moving with the rolls to be engaged by the element once for each revolution of the actuator to effect a relatively small angular motion on the part of the rolls.

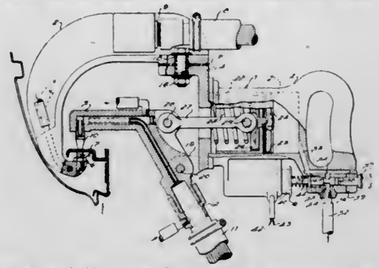
2,082,903
INTERMITTENT THREAD HOLDER
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 9, 1936, Serial No. 78,886
14 Claims. (Cl. 139—247)



1. In a thread holder for a weft replenishing loom operating with a plurality of reserve bobbins from which extend weft ends, a pair of meshing fluted rolls between which the weft ends lie, said rolls to have periods of activity and periods of rest, an element movable at the time of a weft replenishing operation of the loom, means controlled by the element to cause said rolls to have a period of activity, and means dependent upon rotation of the rolls to terminate the period of activity and start the period of rest.

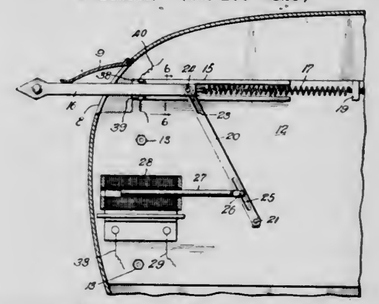
2,082,904
ELECTRIC WELDING APPARATUS
Edward J. Podany, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application March 18, 1935, Serial No. 11,536
6 Claims. (Cl. 219—4)

2. A portable welding gun comprising, in combination, a handle section comprising a forwardly extending housing having an axial bore and a hand grip at the rear end of said housing, a plate secured to the axially forward end of said housing and enclosing the forward end of said bore,



a piston axially movable within said bore, and an electrode supporting arm pivotally connected to said plate and actuable by said piston.

2,082,905
VEHICLE DIRECTION INDICATOR
Amalia de Murguiondo Riggs, Cooksville, Md.
Application September 21, 1936, Serial No. 101,882
1 Claim. (Cl. 177—329)

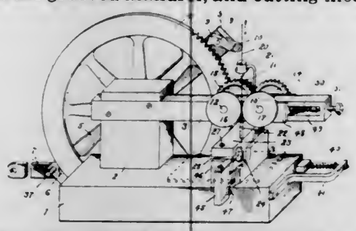


A vehicle direction indicating means, comprising a port in the side of a vehicle, stationary guiding means arranged in the vehicle adjacent to and in line with said port, a horizontally movable indicating member guided by the guiding means and adapted to be projected through said port, a spring connected to the indicating member for normally holding the latter in retracted position, a solenoid positioned substantially parallel to the guiding means and arranged within the vehicle, said solenoid having a movable member, a pivot pin fixedly positioned in the vehicle adjacent the solenoid and below the plane of the movable member, a lever having one of its ends pivotally mounted on said pin, the medial portion of the lever being provided with a longitudinal slot, a pin passing through the last-mentioned slot and secured to the movable member of the solenoid, the opposite end of the lever being also slotted, and a pin fixedly secured to the indicating member and passing through the last-mentioned slot of the lever.

2,082,906
COILING MACHINE
Willie E. Risinger, Minneapolis, Minn.
Application August 17, 1935, Serial No. 36,715
4 Claims. (Cl. 1—40)

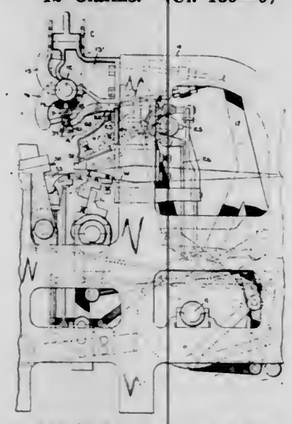
1. In a device for forming a wire ring within a hole through a pad of paper, a driving gear wheel, means for intermittently operating said driving wheel, a pair of gears driven by said driving gear, a pair of grooved discs operable by said gears, a mandrel having a grooved end to

receive a wire forced longitudinally by said discs about the grooved mandrel, and cutting means for



severing the wire at the conclusion of a predetermined number of turns.

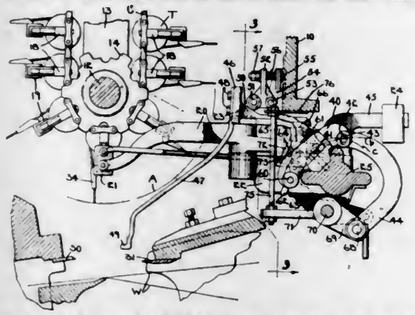
2,082,907
SUPPORT FOR TUBE FRAMES IN AXMINSTER LOOMS
William W. Robertson, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 31, 1935, Serial No. 4,360
12 Claims. (Cl. 139—9)



1. In an Axminster loom operating with tube frames extending between and supported by transporting chains, a shaft extending across the loom, a transferrer lever moving with each end of the shaft, said levers to move the tube frame from the transporting chains toward the fabric being woven and support said tube frame during its wiping-in movements, an intermediate support for the tube frame pivotally mounted with respect to and supported by the shaft to engage the tube frame at a point beween the ends thereof, and means to lock the support with respect to the shaft and transferrer arms to cause said support to move angularly with the shaft and arms and support the tube frame during the wiping-in movements thereof, the means to lock requiring the transferring arms and brace to have substantially the same character of motion during the wiping-in movements of the tube frame.

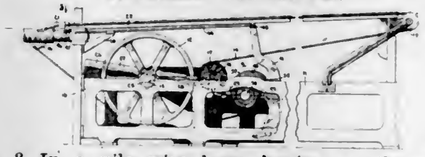
2,082,908
INTERMEDIATE SUPPORT FOR AXMINSTER TUBE FRAMES
William W. Robertson, Northboro, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 26, 1935, Serial No. 28,523
10 Claims. (Cl. 139—8)

1. In an Axminster loom operating with a tube frame having rolling in and rising movements, transfer arms to move the tube frame toward and from cloth forming position, a transfer shaft on which the arms are mounted, a center brace for the tube frame, means to lock one part of the brace operatively to the transfer shaft, connections between the transfer shaft and brace to move the brace by a force derived from the shaft,



and means to control the force transmitted from the shaft to the brace and effective to cause the brace to remain in engagement with the tube frame during the rolling in movements thereof and have an upward movement relatively to the transfer arms when the latter are moving toward cloth forming position.

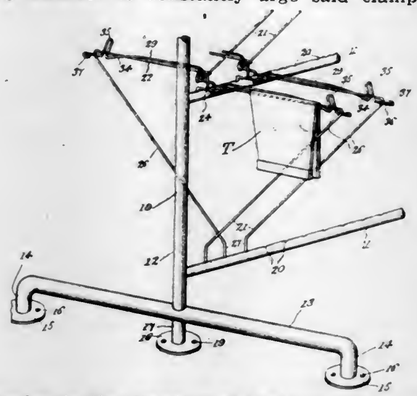
2,082,909
WIRE MOTION FOR LOOMS
William W. Robertson, Northboro, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 2, 1936, Serial No. 72,360
10 Claims. (Cl. 139—42)



8. In a pile wire loom having a pile wire withdrawing motion which is resisted by the pile yarns of the loom, a primary actuator operative throughout the wire withdrawing operation to exert a withdrawing force on the wire, and an auxiliary actuator to overcome the initial resistance to motion on the part of the pile wire due to friction of the pile yarns.

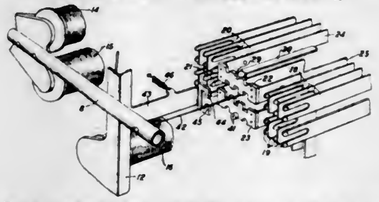
2,082,910
GARMENT HANGER
Malcolm R. Ross, Macon, Ga.
Application October 3, 1936, Serial No. 103,932
6 Claims. (Cl. 211—181)

1. A garment display rack comprising a plurality of vertically spaced apart horizontal supporting bars provided with longitudinally spaced apart holes in the upper surfaces thereof, means for supporting said bars in spaced apart relation, and a plurality of garment supporting brackets engaging said bars, said brackets including a substantially V-shaped supporting member provided with hooked portions at the divergent ends thereof, one side of said supporting member being disposed in substantially horizontal position, means for offsetting the hooked end of said one side of said supporting member from the longitudinal axis thereof, a clamping member swingably engaging said means for offsetting said hooked end, and a spring engaging said clamping member to constantly urge said clamping



member in the direction of said one side of said supporting member.

2,082,911
SWITCH
Harry Howard Schneckloth, Forest Hills, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 8, 1935, Serial No. 48,926
13 Claims. (Cl. 179—27.54)



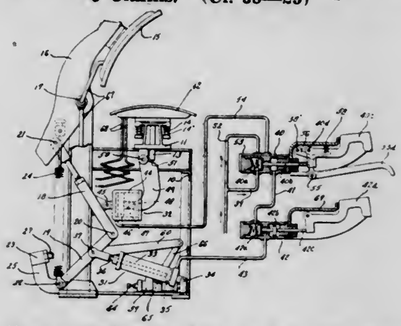
1. In an automatic switch, two operating magnets, a plurality of separate contact sets controlled by said magnets, and means responsive to the operation of said magnets jointly for selectively operating any one of said sets of contacts.

2,082,912
FOOT MEASURING DEVICE
Russell Plato Schwartz, Rochester, N. Y.
Application March 11, 1936, Serial No. 68,266
7 Claims. (Cl. 33—3)



1. A relatively light, portable foot measuring device for measuring a foot when the leg is extended approximately horizontally without weight thereon, comprising a member for contacting with and extending a substantial distance along the lower portion of a person's leg when the leg is extended substantially straight, a laterally extending arm in fixed position relatively to said member for contact with the under side of the forward part of the foot, and means freely slidable along said member for contact with the bottom of the heel of the foot to measure various positions thereof relatively to said member and arm.

2,082,913
OPERATING AND CONTROL MECHANISM FOR PRESSING MACHINES
John P. Singiser, Chicago, Ill., assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application April 25, 1935, Serial No. 18,146
6 Claims. (Cl. 38—25)



1. In a pressing machine, a pair of coacting relatively movable pressing members, each movable toward the other, means normally tending to move one of said members into inoperative position, power means for moving said one member into operative position adjacent the other member, said means including parts movable into final position when said one member is in operative position, said parts being so arranged as to resist pressure tending to open the press only when in final position, power means for moving said other member toward said one member, two spaced safety manuals both of which must be actuated for controlling said first named power means, and operating means for said second named power means including a manual grouped with one of the safety manuals for operation by the same hand of the operator, said operating means being arranged to hold said second named power means in actuated position to hold said press closed.

2,082,914
TURBINE BLADE LASHING
Carl R. Soderberg, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 28, 1935, Serial No. 42,596
2 Claims. (Cl. 253—77)



1. In a turbine, a row of rotating blades, each blade having concave and convex faces, lashing elements of stream-line cross-section arranged alternately with respect to the blades and having the ends thereof formed with concave and convex faces to fit the convex and concave faces of the blades, said lashing elements being substantially narrower than the blades and spaced inwardly from the inlet and outlet edges thereof, and means for connecting the lashing elements to the blades so that the major and minor axes of the sections of the lashing elements extend, respectively, transversely and radially of the blades,

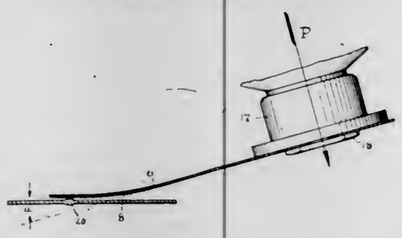
said connecting means including welding beads substantially encompassing the ends of the elements and joining the latter to the faces of the blades, said lashing elements having their ends so shaped that, when connecting a plurality of blades of a row, they are in circumferential alinement.

2,082,915
AMPUL OF THE MULTIPLE COMPARTMENT TYPE
Oskar Sontag, Lichte, Germany
Application June 15, 1935, Serial No. 26,851
In Germany February 9, 1933
12 Claims. (Cl. 128—272)



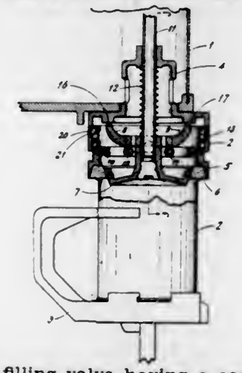
1. A dual ampul comprising two sections united end to end by a weakened breakable neck portion, a tubular stem hollow throughout its length and secured to one of said sections to one side of said breakable portion and extending into the other ampul section to a place adjacent the end thereof, the extreme end of said stem being closed and provided with a breakable tip, a soluble substance in that ampul section which has the stem attached, a solvent in that section of the ampul that is to be broken off from the other section, that section of the ampul that has the stem attached having its contents under a negative or below-atmosphere pressure, in virtue of all of which, when said ampuls are separated at the breakable neck portion to open that section containing the solvent and when the immersed breakable tip of the stem is broken off, the solvent will be sucked up through the stem into that section of the ampul to which the stem is attached.

2,082,916
SURFACING APPARATUS
Herbert R. Stratford, Cleveland, Ohio, assignor to The Stratmore Company, Wilmington, Del., a corporation of Delaware
Application January 25, 1936, Serial No. 60,851
7 Claims. (Cl. 51—197)



1. An abrasive device comprising a sheet of thin flexible metal and a layer of abrasive secured by a layer of adhesive directly to said metal sheet, said device having a flexibility under manual pressure of 13 pounds applied at the point of support of said device of not more than one-quarter of an inch at a distance of about four and one-half inches from said point of support.

2,082,917
SYRUP VALVE
Albert R. Thompson, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application October 2, 1933, Serial No. 691,858
12 Claims. (Cl. 226—124)



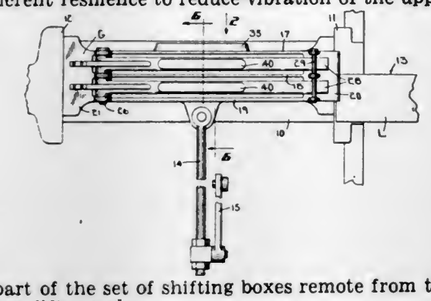
1. A can-filling valve having a conduit therethrough for the passage of can-filling material, said valve comprising a pair of complementary valve members normally closing said conduit, one of said members being adapted to be engaged and lifted by a can-to-be-filled, the other of said members being normally positioned to project beyond said first mentioned member into the upper part of a can-to-be-filled, and means operable to raise said last mentioned member out of the can and thereby to open the valve in response to upward movement imparted to said first-mentioned member by a can-to-be-filled, both said members being positioned outside of a can-to-be-filled during filling thereof and means operable automatically to restore said members to normal position in response to a lowering movement of the can.

4. In a can-filling valve having a passageway to be controlled, a vertical vent tube having a lateral vent opening at its lower end, a valve disc member slideably mounted on said vent tube and normally covering said vent opening, said valve disc member being operable upon being moved upwardly from its normal position to uncover said vent opening, and a valve seat member co-acting with said valve disc member to open and close said passageway.

2,082,918
MEANS TO PREVENT VIBRATION OF SHUTTLE BOX FORMING ELEMENTS
Richard Greenleaf Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 30, 1935, Serial No. 56,712
3 Claims. (Cl. 139—183)

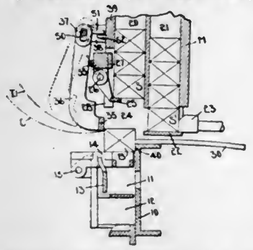
1. In a loom, a lay, a set of metallic shifting shuttle boxes mounted on the lay, a box lifter rod connected to the underside of the set of boxes to effect vertical movement of the boxes relatively to the lay, a horizontally extending element forming part of the set of boxes near the upper part of the latter and a block of inherently resilient material secured to said element on the side thereof remote from the box lifter rod, the block

of resilient material acting by reason of its inherent resilience to reduce vibration of the upper



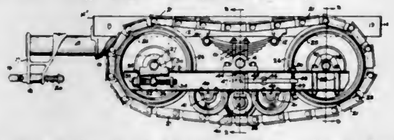
part of the set of shifting boxes remote from the box lifter rod.

2,082,919
MAGAZINE FOR SHUTTLE CHANGING LOOMS
Richard Greenleaf Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application September 21, 1936, Serial No. 101,746
6 Claims. (Cl. 139—232)



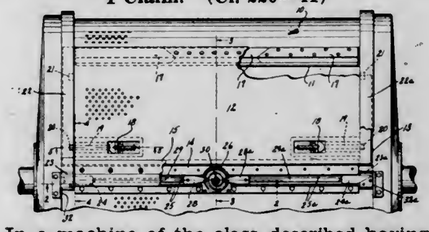
1. In a shuttle changing loom, a magazine for reserve shuttles having a compartment through which reserve shuttles pass during a shuttle changing operation, a lay, means on the lay under the compartments to engage the rear wall of an improperly transferred shuttle as the lay moves forwardly from the compartment, a front wall for the compartment, and means constituting a pivotal support for the front wall located so as to cause the latter to move upwardly and forwardly throughout engagement with an improperly transferred shuttle.

2,082,920
TRAILER
Aulmont W. Tye, Spokane, Wash.
Application December 24, 1935, Serial No. 56,073
2 Claims. (Cl. 305—9)



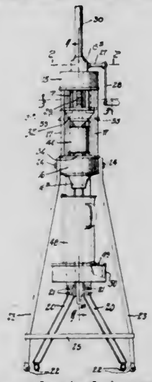
1. In a vehicle of the portable, endless, flexible track type, the combination with a wheel frame, of a pair of spaced track-engaging rollers each having a pair of lateral flanges, a center roller having a single flange, fixed bearings for the spaced rollers, an adjustable bearing for the center roller including a lever operatively connected with said adjustable bearing and fulcrumed on said wheel frame.

2,082,921
CYLINDER DOOR FASTENING MEANS
Frank Vetorino, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application October 30, 1935, Serial No. 47,433
1 Claim. (Cl. 220—41)



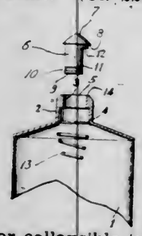
In a machine of the class described having a cylinder with a side opening therein and a circumferentially slidable door therefor and two circumferentially extending clamping bands each adjacent a side edge of said door and each having one end secured to said cylinder and an intermediate portion overlying said door; means for simultaneously tightening said intermediate band portions against said door including bolt and keeper members for each band, each keeper member being connected with the free end of a band, means supporting each bolt member on said cylinder for sliding movement longitudinally thereof, said members having coacting wedge faces adapted to control the associated band upon movement of the bolt member, a disc rotatably mounted on said cylinder intermediate said bolts, a spiral gear member on a face of said disc, said spiral member having a gradual slope, two gear members arranged to be driven by said spiral member and one on each side of the rotating center thereof, and each of said last named gear members being connected with one of said bolt members.

2,082,922
CAN OPENER AND DISPENSER
Charles Vitek, Omaha, Nebr.
Application March 9, 1936, Serial No. 67,743
16 Claims. (Cl. 221—23)



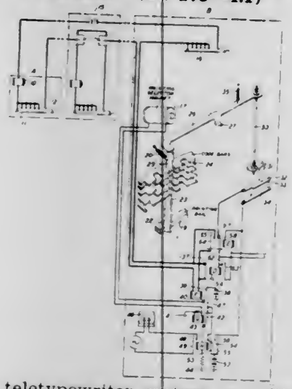
1. In a device adapted to open and discharge a container and to weaken its structure, means for simultaneously cutting portions of the container body lying in different planes and bending the cut portions in each plane toward the portions in the other plane, said means operating to cut said body portions the full width in each of said planes.

2,082,923
CLOSURE
Carl Edward Voke, Columbus, Ohio
Application January 18, 1936, Serial No. 59,721
6 Claims. (Cl. 221—60)



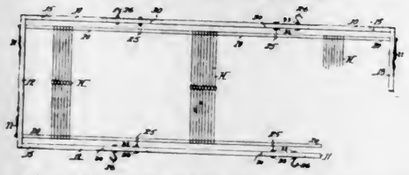
3. A closure for collapsible tubes and the like, comprising a plunger having a solid top and base, a flange formed near the upper end of said plunger, a collar in which the plunger is slidably fitted, said collar having a flange formed near the top of its outer surface, said flange being adapted to rest on the top edge of the neck of an associated tube, the lower outer surface of said collar being adapted to fit tightly within the neck of the tube, said plunger having a vertical slot in its outer surface extending from the base to a position substantially adjacent to the said flange on its top, said slot serving as a discharge opening when the top thereof is disposed above the top of said collar, an indenture formed with said plunger adjacent to its base, and a spring seated at its lower end on said indenture, the top of said spring abutting against the lower surface of said collar, the entire closure being made and assembled independently from the tube.

2,082,924
PRINTING TELEGRAPH SYSTEM
Edward Fisk Watson, Larchmont, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 8, 1935, Serial No. 25,671
9 Claims. (Cl. 178—4.1)



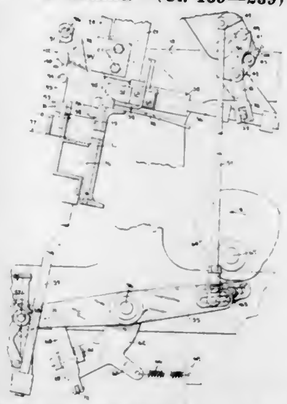
1. In a teletypewriter system, a calling teletypewriter station, a called teletypewriter station, a normally closed telegraph line connecting the stations, an automatic device at the called station for sending out a reply signal to the calling station to indicate that the desired called station is connected therewith, a control instrumentality, selecting and operating means for selectively operating the control instrumentality only in response to a preassigned code combination of signal impulses initially sent out by the calling station, electromagnetic means operable in response to the operation of the control instrumentality for opening the normally closed line circuit to effect the sending out of a portion of the reply signal, and other electromagnetic means operable by the first-mentioned electromagnetic means for closing the line circuit to effect the sending out of the remaining portion of the reply signal.

2,082,925
HEDDLE FRAME
Clifton E. Watson, Worcester, and Philip L. Spencer, Millbury, Mass., assignors to Watson-Williams Manufacturing Company, Millbury, Mass., a corporation of Massachusetts
Application June 1, 1936, Serial No. 82,800
4 Claims. (Cl. 139—92)



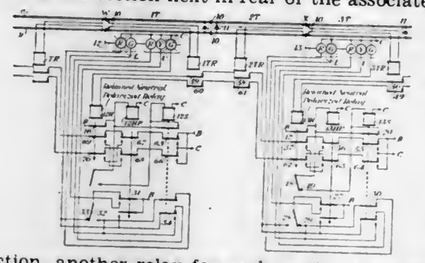
1. A heddle frame having metal top and bottom bars, metal end bars, means to secure said bars permanently together at their adjacent ends to form an open rectangle, said top and bottom bars being of U-shaped cross section and having filler strips secured in spaced relation in the U-shaped channels thereof and abutting the closed outer edge portion thereof, and frame-supporting hooks rigidly secured to said bars and assembled with and extending through said filler strips.

2,082,926
SHUTTLE BOX CONTROL FOR SHUTTLE CHANGING LOOMS
William M. Wattie, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 15, 1936, Serial No. 59,258
9 Claims. (Cl. 139—239)



1. In a shuttle changing loom, a lay, a magazine to deliver a reserve shuttle, a shuttle box on the lay normally remote from the magazine, a cover for the shuttle box normally in box closing position, means to move the shuttle box toward the magazine on a shuttle changing beat of the loom, and mechanism mounted on the lay rendered operative solely by motion of the shuttle

sections each having a track circuit including a track relay, a line circuit for each section including a contact of the associated track relay, a polarized relay for each section connected to the associated line circuit, a pole changer for each section controlled by the associated polarized relay for reversibly governing the line circuit for the section next in rear of the associated

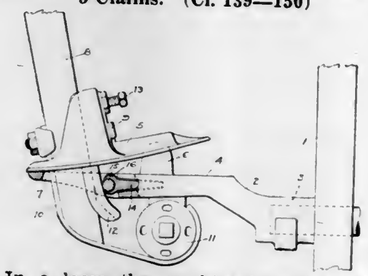


section, another relay for each section governed by the associated polarized relay, another pole changer for each section governed by the associated other relay for also reversibly governing the line circuit for such section next in rear, and a signal for each section governed by the associated polarized relay and by the associated other relay.

2,083,275
MANUFACTURE OF SILICON STEEL SHEETS
Orlando E. Romig, Gary, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey
No Drawing. Application August 29, 1930, Serial No. 478,798
1 Claim. (Cl. 148—12)

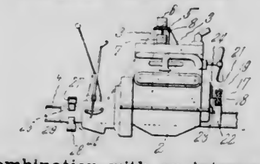
The method of preparing silicon steel sheet material for electrical purposes which includes hot rolling the sheet material, normalizing the sheet material to reduce the strains resulting from hot rolling to a point somewhat below the point of critical strain, stretching and elongating the normalized sheet material while still materially above atmospheric temperature from the normalizing operation to introduce the critical strain necessary for the promotion of uniformly large crystals or grains, and then annealing said stretched and elongated sheet material to induce the maximum grain growth and improve the electrical qualities thereof.

2,083,276
PARALLEL MOTION FOR LOOMS
Leonard M. Rogers, Mendon, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application January 12, 1937, Serial No. 120,257
5 Claims. (Cl. 139—150)



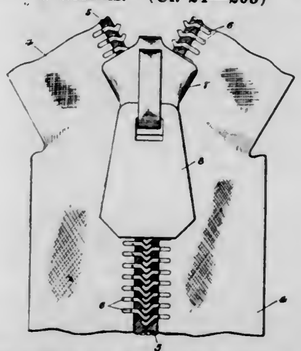
1. In a loom the combination of a parallel having an opening therein, a curved shoe rocking on said parallel, a picker stick fixed to said shoe, the lower end of said picker stick projecting downwardly through said opening, a wear tongue on the inner edge of said picker stick at the lower end thereof, and a plug fixed to said parallel and projecting into said opening to receive inward thrust of the lower end of said picker stick, said plug comprising a body having an open sided bearing extending transversely thereof at its outer end and a cylindrical roller journalled directly in said bearing and exposed through the open side thereof, the exposed side of said roller being engaged by said wear tongue.

2,083,277
MOTOR MOUNTING
Arthur Leon Scott, Holicong, Pa.
Application January 20, 1934, Serial No. 707,516
9 Claims. (Cl. 248—6)



7. The combination with an internal combustion motor of an overhead support therefor, motor suspending means connecting the motor and the support and constructed to enable the motor to swing freely in all directions at a point located directly above the motor, a frame for the motor, and resilient cushioning stops carried by the frame and located in position to engage portions of the motor for narrowly limiting the swinging movements of the motor without being substantially compressed by the weight thereof when in its normal position, whereby vibrations not dissipated within the mass of the motor are absorbed by the stops.

2,083,278
SEPARABLE INTERLOCKING FASTENER
Harry E. Sipe, New York, N. Y., assignor to Hookless Fastener Company, a corporation of Pennsylvania
Application August 11, 1933, Serial No. 684,701
6 Claims. (Cl. 24—205)



5. A separable interlocking fastener comprising a pair of flexible tapes having cooperating series of fastener elements thereon, each of said elements having attaching means engaging the tape back of its edge and having portions extending beyond the edge of the tape and said extending portions being located laterally of the plane of said tapes whereby the edges of the

2,083,269

PROCESS FOR THE REACTIVATION OF MINERAL ABSORBENTS

George R. Lewers, New York, N. Y., assignor to Decarie Incinerator Corporation, New York, N. Y., a corporation of New York

No Drawing. Application January 15, 1935, Serial No. 1,862

2 Claims. (Cl. 252—2)

1. The method of revivifying mineral absorbents by furnacing, which comprises heating said absorbents in a zone where they are burned until the resulting exothermic reaction is completed, thereafter and prior to discharge from the furnace bringing water into contact with the absorbents while they are at a temperature substantially above the vaporization point of the water, and the amount of water brought into contact with said absorbents being such that it substantially is completely vaporized by the heat contained in said absorbents, and recovering said absorbents in a substantially dry, cool condition.

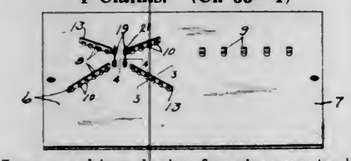
2,083,270

MARKING DEVICE FOR SHOE PARTS AND THE LIKE

William J. Knox, Owego, N. Y.

Application September 23, 1935, Serial No. 41,757

4 Claims. (Cl. 33—4)



2. In a marking device for shoe parts, in combination, a substantially flat base plate, marking means on said base plate intermediate the marginal edges thereof including a thin flexible blade having a marking edge extending longitudinally thereof, and means fixedly securing the blade to the base plate so that upon relative movement of the base plate and a shoe part toward each other in a predetermined path, said marking edge will be brought into engagement with the shoe part to form a marking line on said part arranged in predetermined relation therewith.

2,083,271

ADJUSTABLE HANGER SUPPORT FOR BASINS AND THE LIKE

Jack Lindenbaum, Los Angeles, Calif., assignor to Los Angeles Wrecking Company, Los Angeles, Calif., a corporation of California

Application February 10, 1936, Serial No. 63,105

4 Claims. (Cl. 4—170)



1. A support for a basin or the like, comprising two socket members each having a channel shaped arm in nested and sliding relation to the arm of the other member for relative adjustment of the members in order to enable the distance between the sockets of the members to be varied; the arm of one member having a longitudinal slot, and the arm of the other member having openings; screws passing through the openings and slot; and nuts on the screws operable when tightened to co-act with the screws to rigidly clamp the arms together.

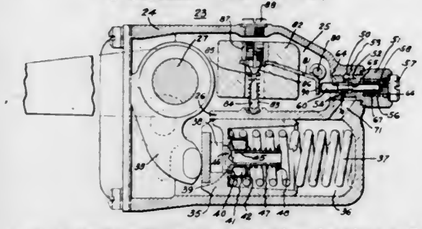
2,083,272

SHOCK ABSORBER

Charles S. McCann, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 17, 1936, Serial No. 64,190

4 Claims. (Cl. 267—8)



1. In a hydraulic shock absorber having a fluid reservoir and a fluid displacement chamber in communication with each other through a duct, the combination with a control valve having opposed areas of different size exposed to fluid pressure in the displacement chamber, the predominating area causing a predetermined fluid pressure to actuate the valve for opening the duct; a spring yieldably urging the valve to close the duct; and an inertia mass normally disengaged from the valve and adapted to be moved by accelerations in the upward movement of the shock absorber to engage and actuate the valve to increase its restriction to the flow of fluid through the duct.

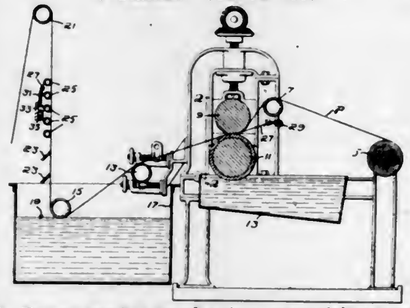
2,083,273

PRODUCTION OF WAXED PAPER

Charles H. O'Neil, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts

Application March 22, 1935, Serial No. 12,396

7 Claims. (Cl. 91—55)



1. Paper waxing mechanism comprising means for applying a wax coating to one face only of the paper web, a water tank, a roll dipping therein and means to train the paper web over the roll with its waxed face outwardly to touch the water and serving to maintain it with an arc of contact exceeding in extent the submerged arc of the roll and including the latter.

2,083,274

RAILWAY SIGNALING

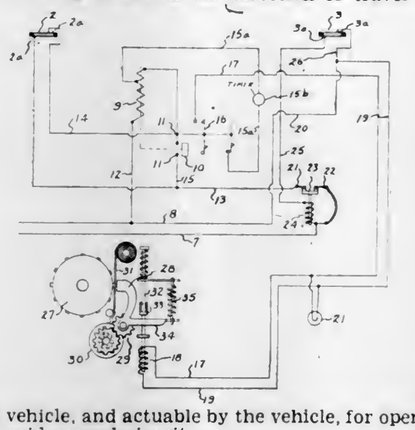
John M. Pelikan, Crafton, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application February 15, 1936, Serial No. 64,093

15 Claims. (Cl. 246—50)

1. A railway signal system comprising a stretch of railway track divided into a plurality of track

and means in the highway beyond the first circuit closing means in the direction of travel of



the vehicle, and actuable by the vehicle, for opening said second circuit.

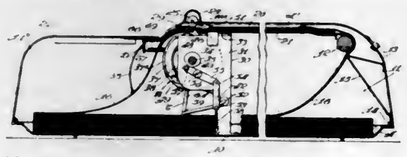
2,083,265

AUTOGRAPHIC REGISTER

Louis Jensen, Chicago, Ill., assignor to United Autographic Register Co., Chicago, Ill., a corporation of Illinois

Application December 3, 1934, Serial No. 755,815

4 Claims. (Cl. 282—16)



2. In an autographic register: a casing having a platen, a supply-compartment for a zig-zag folded packet of stationery strips provided with register perforations, and a record-compartment for receiving a record strip of said stationery; feeding and aligning mechanism including a reciprocating jogging member for advancing said strips less than one-form length during each operation, said jogging member being in its foremost position at the completion of a feeding operation so as to engage register perforations in the strips and facilitate initial loading of the machine; a strip-guiding member pivotally mounted in said record-compartment to direct refolding of said strip into a zig-zag folded packet; a packet-compressing member pivotally mounted in the casing to periodically compress one end of the record packet; and means operable by said feeding mechanism for actuating said strip-guiding member and compressing member in timed relation to the advance of the stationery.

2,083,266

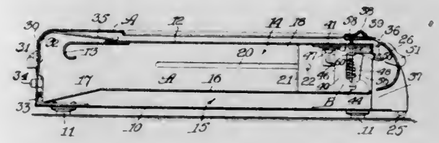
AUTOGRAPHIC REGISTER

Louis Jensen, Chicago, Ill., assignor to United Autographic Register Co., Chicago, Ill., a corporation of Illinois

Application February 13, 1936, Serial No. 63,780

14 Claims. (Cl. 282—21)

3. In an autographic register having a casing provided with a platen, an initial feed device comprising: a rock-shaft provided with yielding register pins projecting normally above said platen; an actuating arm for oscillating said projected pins forwardly and downwardly; locking means for holding said pins against forward movement, said locking-means being releasable by the initial



forward movement of said actuating arm; and laterally movable cam-means adapted to hold the pins retracted from the platen during their return stroke.

2,083,267

CEMENT AND PROCESS OF MAKING THE SAME

Guy W. Jordan, Rockmart, Ga.

No Drawing. Application November 1, 1934, Serial No. 751,101

5 Claims. (Cl. 106—25)

1. The method of making a cement, which consists in making a Portland cement clinker with approximately no free lime and having a large percentage of tri-calcium silicate, making a second clinker having chemically active silica, calcium-alumino di-silicate, calcium-ferro di-silicate and mono-calcium silicate, mixing the two clinkers in proportions to provide in the mixture an amount of chemically active silica sufficient to neutralize the lime set free on hydration of the tri-calcium silicate, and then grinding the mixture.

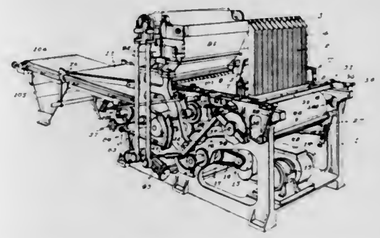
2,083,268

DEPOSITING MACHINE

Emil G. Jurgens and Hazen K. Becker, Chicago, Ill., assignors to Peters Machinery Company, Chicago, Ill., a corporation of Illinois

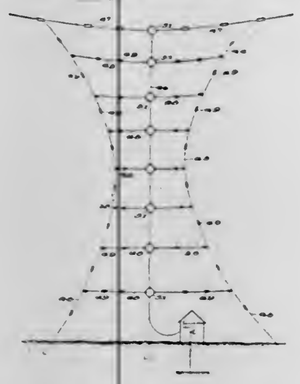
Application March 5, 1936, Serial No. 67,268

2 Claims. (Cl. 107—28)



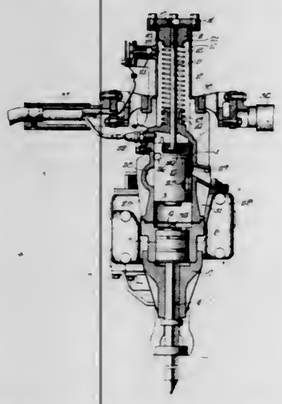
1. A depositing machine of the class described having mounted thereon a supply magazine for the objects which receive deposits and a depositing mechanism, a belt carrying frame mounted on said supporting frame for oscillation thereon and beneath said magazine and said depositing mechanism, driven belt supporting rollers and belts thereon carried by said belt supporting frame, one belt being located below and extending beyond the other, means for intermittently driving said belts, and pusher bars operating in timed relation with said belts for removing the objects for receiving the deposits in successive rows from said magazine and for aiding the belts in placing said objects beneath the depositing mechanism.

2,083,260
RADIATING SYSTEM FOR ELECTROMAGNETIC WAVES
Paul F. Godley and Edmund A. Laport, Montclair, N. J.
Application April 10, 1934, Serial No. 719,931
3 Claims. (Cl. 250—33)



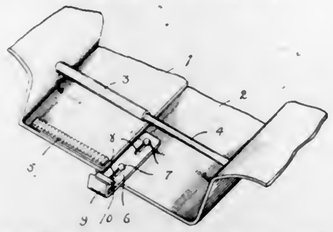
1. In an antenna system having one or more reactance units in various sections of the antenna, the method of obtaining non-sinusoidal current distribution which comprises gradually increasing the reactance values in successive units as the distance from the center is increased, whereby a natural velocity of propagation is maintained in the lower sections of the antenna and reduced toward the upper end.

2,083,261
GAS HAMMER
Thomas C. Gray, Evanston, Ill., assignor to Barco Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application March 7, 1936, Serial No. 67,593
11 Claims. (Cl. 123—7)



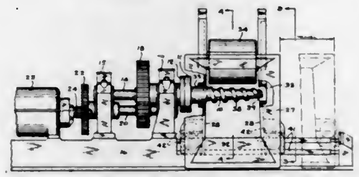
1. In an internal combustion power hammer, a cylinder, a piston therein, a spring mounted outside of the cylinder, and means operatively connecting said spring and piston for moving the piston under the influence of said spring, said means comprising a longitudinally movable rod on said piston.

2,083,262
BOOKBINDER
Adolph F. Grosse and Aloysius C. Baumgartner, Duluth, Minn.
Application October 11, 1935, Serial No. 44,546
6 Claims. (Cl. 129—13)



1. A loose leaf binder comprising cover members each having an end turned at right angles forming a back portion, said back portions being adjustable in respect to each other for varying the capacity of the binder, means for holding said back portions in any adjusted position, said means comprising a ratch bar secured adjacent either end of one back portion, a slidable member secured adjacent either end of the other back portion, each slidable member having one end turned at right angles, said turned end being provided with a ratch flange integrally formed therewith and overlappingly engageable with its respective ratch bar.

2,083,263
COBBLE BUNDLER
Charles W. Hawthorne, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application April 15, 1936, Serial No. 74,543
13 Claims. (Cl. 242—81)

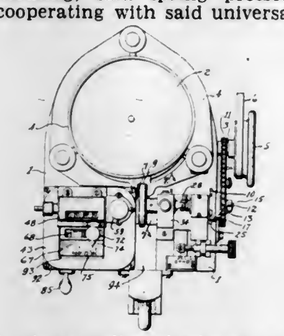


1. A cobble bundler comprising a rotatable arbor having a screw-thread thereon, means to rotate the arbor and form a bundle thereon which engages the screw-thread, and means to effect a relative rotation of the arbor and bundle and thereby obtain a separation of the arbor and bundle in the axial direction.

2,083,264
BUS REGISTERING SYSTEM
Edgar M. Hymans, Cincinnati, Ohio
Application July 5, 1933, Serial No. 679,075
4 Claims. (Cl. 234—36.5)

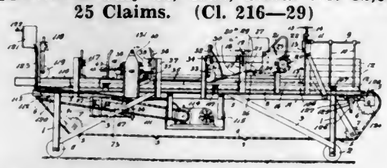
1. In a system for recording time for vehicles on a traveled highway, the combination of a circuit closing means in the highway adapted to be actuated by a vehicle on the highway, a time switch set in operation in response to closure of said circuit closing means and arranged to close a second circuit at the end of a predetermined time, a time recording device having impression means requiring the closing of said second circuit and the opening of the same for its actuation,

uously rotating feed table positioned within the opening of said bed plate, a drive shaft for driving said feed table, a spring pressed bearing housing mounted on said bed plate and having a removable cover, shafting journaled in said bearing housing, a coin propeller wheel fixed on said shafting at one side of said bearing housing, said rotatable feed table operating to drive coins to said coin propeller wheel, a universal joint included in said shafting at the other side of said bearing housing, said spring pressed bearing housing cooperating with said universal joint to



press said coin propeller wheel with a predetermined pressure against coins passing thereunder, transmission means for connecting said shafting to said drive shaft, a clutch included in said transmission means, coin counting mechanism having a star wheel driven by coins propelled by said coin propeller wheel, lever means connecting said coin counting mechanism to said clutch, said coin counting mechanism including means operable, after a predetermined number of coins have been counted thereby, to actuate said lever means and to effect the disconnection of said clutch, thereby causing the stopping of said coin propeller wheel.

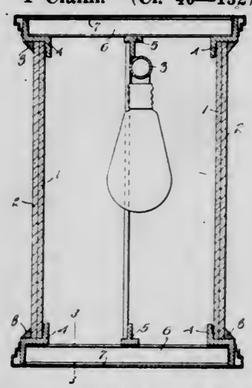
2,083,257
CARTON OR PACKAGE SEALING MACHINE
Harry W. Dyment, Cleveland, Ohio
Application July 22, 1935, Serial No. 32,680
25 Claims. (Cl. 216—29)



1. In a machine of the class described, in combination, carton feeding mechanism, an adhesive tape supply mechanism, moistening mechanism for the adhesive side of said tape, pressing mechanism for pressing the tape when moistened against the top portion of the carton as it passes the pressing mechanism, cutting mechanism for severing the tape some distance from the end of the carton after it has been applied to the top of the carton, a pushing device for moving the free severed ends of the tape downward to apply it to the end of the carton during movement of the latter, and means cooperating with said free end of the tape after it is applied to the end of the carton for pressing the same in adhesive contact with the under-side of the carton.

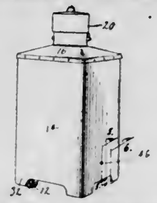
22. A machine of the character described, comprising, in combination, a main frame, means for moving cartons along said frame, means for applying tape to the top and side portions of the cartons, and tape applying instrumentalities operable in the direction of movement of the cartons but at a greater speed to apply a portion of the tape to the bottom portion of a carton and reversely movable in timed relation to the movement of the cartons and in an opposite direction to such movement to apply another portion of the tape to the bottom portion of a carton.

2,083,258
SIGN
Carl Graham Fisher, Miami Beach, Fla.
Application February 27, 1935, Serial No. 8,556
1 Claim. (Cl. 40—132)



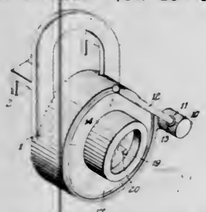
A sign unit comprising a casing having top and bottom walls, a series of spaced apart channel bars resting on the bottom wall and extending transversely of the casing, a supporting frame resting on said channel bars running lengthwise within the casing, a second series of channel bars resting on said supporting frame and extending transversely of the frame beneath the top wall of the casing, double-L bars placed with their inner angles against the ends of the channel bars at the top and bottom, the outer angles of said double-L bars forming a seat for the edges of sign panels, means for holding the panels in the seats, and flanges on the sides of the top and bottom walls overlapping the outer flanges of the double-L bars.

2,083,259
LUBRICANT SERVICING APPARATUS
Charles W. Ginter, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application October 1, 1935, Serial No. 43,053
13 Claims. (Cl. 221—85)



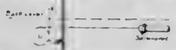
1. In a lubricant servicing apparatus, a wheeled platform for portably supporting a lubricant container, an open bottom casing supported on said platform, and lubricant handling apparatus mounted on the top of said casing for pumping lubricant from said lubricant container, said apparatus having an intake extending into the container, said casing having leg-like extensions terminating adjacent a floor or like supporting surface supporting said wheeled platform.

2,083,251
ROTATING GUIDE
William Henry Bradshaw, Buffalo, and George Preston Hoff, Kenmore, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Original application September 1, 1928, Serial No. 303,574. Divided and this application January 10, 1930, Serial No. 419,806
28 Claims. (Cl. 18—8)



1. An apparatus for producing artificial filaments and threads which comprises a spinneret through which a spinning solution is extruded in a spinning bath, a draw-off device to withdraw the freshly produced thread from the spinning bath, a rotor device rotated by the thread passing therearound and disposed in the spinning bath between said spinneret and draw-off device, means cooperating with said rotor to retard the rotation thereof and automatically change the speed of rotation thereof to compensate for changes in the variables of the spinning cycle, whereby a substantially uniform and constant tension without any substantial sliding friction is applied to the thread.

2,083,252
METHOD OF PRODUCING ARTIFICIAL THREAD
William Henry Bradshaw, Buffalo, and George Preston Hoff, Kenmore, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 8, 1933, Serial No. 655,738
26 Claims. (Cl. 18—54)



1. A method of preparing artificial thread which comprises extruding a viscose solution in a spinning bath, conducting the thread through said bath and applying a substantially uniform tension without any substantial sliding friction to the freshly produced thread in its path of travel from the spinneret to the collection device to stretch the freshly produced thread and improve the physical properties of the final thread, the stretch of the thread varying with the normal changes of the conditions during spinning.

2,083,253
METHOD FOR REFINING HYDROCARBONS
Issar Budowski, Paris, France
No Drawing. Application March 21, 1935, Serial No. 12,340. In France March 22, 1934
3 Claims. (Cl. 196—42)

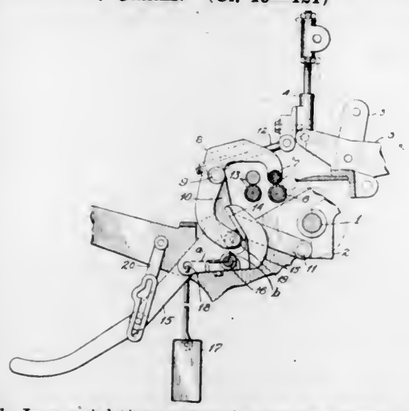
3. A method for refining hydrocarbons with an oxidizing agent whereby over-oxidation and localized overheating is avoided, comprising mixing a dry powdered alkaline bichromate, and a dry powdered extending agent, adding said powdered mixture to the hydrocarbon to be treated, with agitation to obtain a uniform dispersion of the powdered mixture, slowly adding with agitation concentrated sulphuric acid in an amount sufficient to render effective the bichromate as an oxidizing means, allowing the reactant mixture to settle, and separating the treated hydrocarbon.

2,083,254
ELECTROLYTIC DEVICE AND ELECTROLYTE THEREFOR
Harry D. Cowles, East Orange, N. J., assignor to Electro-Mechanical Research, Inc., Brooklyn, N. Y., a corporation of New York
Application June 12, 1935, Serial No. 26,103
6 Claims. (Cl. 175—315)



1. In an electrolytic device of the character described, the combination of a metal electrode, an electrolyte of a film-forming composition having an acid reaction, and a conductive filler including a powdered metal having very little electrochemical difference with relation to the electrode metal, and an oxidation catalyst of the cerium group.

2,083,255
COMBER WEIGHTING SYSTEM
Frank L. Crockett, East Douglas, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application March 6, 1934, Serial No. 714,230
7 Claims. (Cl. 19—121)

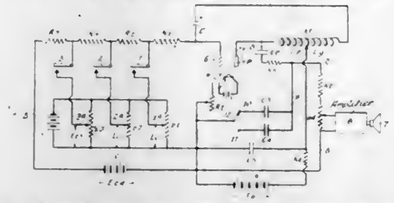


1. In a weighting system for top detaching rolls the combination with the weight, of two levers one acting on the other and both transmitting the force of the weight to the roll, said levers having a shiftable point of engagement between them and means for shifting said point to increase the leverage ratio in phase with the detaching periods.

2,083,256
COIN COUNTING MACHINE
Edward P. Donnellan, Brooklyn, N. Y., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 16, 1931, Serial No. 581,360
8 Claims. (Cl. 133—8)

8. In a coin counting machine, in combination, a bed plate having an opening therein, a contin-

sound, an oscillator comprising a thermionic tube having a plate, a grid, and a heated cathode, a plate-cathode circuit and a grid-cathode circuit, a resistance connected in said grid-cathode circuit, feed-back means having two closely coupled portions one of which is connected in said plate-cathode circuit, a condenser connected at one side to said grid and at the other side to the

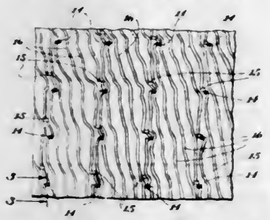


other of said portions, said condenser being in electrical connection through said other portion with said cathode, and potential-supplying means for operating said tube, said feed-back means being poled to cause said condenser to periodically rapidly accumulate a charge such as to bias said grid beyond cut-off whereby its period of discharge through said resistance substantially determines the frequency of the oscillations.

2,083,247
LUBRICATING OIL
Kenneth Taylor, Chicago, Ill., and Bernard H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application February 23, 1933, Serial No. 658,150
1 Claim. (Cl. 196—13)

The method of preparing a non-sludging lubricating oil having a low true color from a mineral oil containing naphthenic and paraffinic constituents, the steps comprising mixing one volume of said mineral oil with at least one volume of a selective solvent selected from the group consisting of di(2-chlorethyl) ether and nitrobenzene which has a small amount of aluminum chloride dissolved therein, heating said mixture to an elevated temperature to effect substantially complete solution, cooling said admixture to a temperature at which phase separation occurs, withdrawing the top layer and removing therefrom the dissolved solvent.

2,083,248
ORNAMENTAL WOVEN FABRIC AND METHOD OF MAKING THE SAME
William Teres, New York, N. Y.
Application August 15, 1936, Serial No. 96,286
2 Claims. (Cl. 26—69)



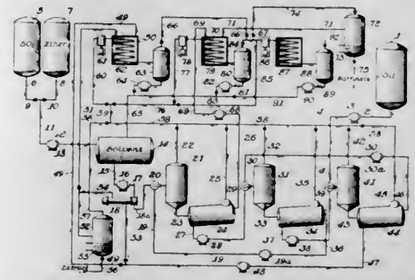
1. An ornamental moiréed textile, comprising a ribbed woven fabric having spaced dobby figures, each figure being so woven that it defines a raised area sufficiently dense and compact to have an embossing effect when the fabric is doubled upon itself, the ornamentation consisting of said dobby figures, of spaced wavy moiré stripes, and of spot impressions made by the dobby figures themselves during the moiré treatment, the wavy moiré stripes being interrupted in continuity at the dobby figures and also at the spot impressions thereof.

2,083,249
PHOTOGRAPHIC METHOD AND PRODUCT RESULTING THEREFROM
Joseph B. Thomson, Brooklyn, N. Y.
Application December 20, 1935, Serial No. 55,327
5 Claims. (Cl. 41—18)



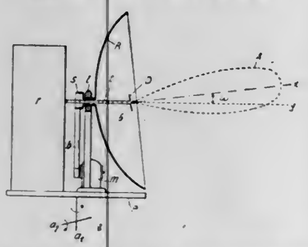
5. A process of forming a metallic, photographic picture comprising coating a sheet of metal with a light-sensitive resist, exposing said coated sheet behind a half-tone negative, developing the exposed resist, removing the unexposed resist, etching the resist-freed surfaces to produce in the surface of said metallic sheet a multiplicity of outwardly concave depressions, electro-depositing a metal adapted to give a light-reflecting, substantially white surface in the etched depressions, removing the exposed resist, and producing a substantially black surface on the portions of the metal sheet exposed by such removal without substantially affecting the electro-deposited white metal, said white metal being deposited to a depth and in a manner to produce multiplicities of outwardly concave surfaces below the darkened portions of said sheet.

2,083,250
SOLVENT EXTRACTION
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application April 24, 1933, Serial No. 667,574
7 Claims. (Cl. 196—13)



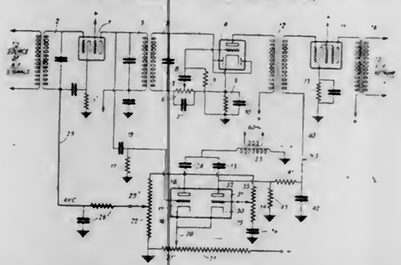
1. The process of separating liquid paraffinic components from naphthenic components of hydrocarbon oils which comprises admixing with hydrocarbon oils a mixture of sulfur dioxide and dimethyl ether, effecting a separation of a raffinate phase from an extract-solvent phase, and recovering the sulfur dioxide and the dimethyl ether from each phase.

2,083,242
METHOD OF DIRECTION FINDING
Wilhelm Runge, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 28, 1935, Serial No. 3,730
In Germany January 27, 1934
6 Claims. (Cl. 250—11)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



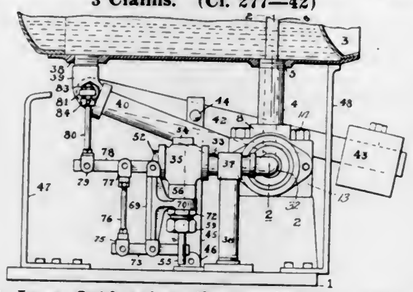
1. In a direction finder, an ultra-short wave receiving antenna, means including a metallic reflector for rendering said antenna sharply directional, means for orienting the axis of general directivity of said antenna and its reflector into any desired position of aim, and means for causing the sharply directional axis of said antenna and its reflector to be rotated continuously in such manner that it circumscribes the surface of a cone whose axis is coincident with said axis of general directivity.

2,083,243
AUTOMATIC GAIN CONTROL AND NOISE SUPPRESSION CIRCUITS
Otto H. Schade, West Caldwell, and Francis H. Shepard, Jr., Rutherford, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application April 13, 1935, Serial No. 16,136
10 Claims. (Cl. 250—20)



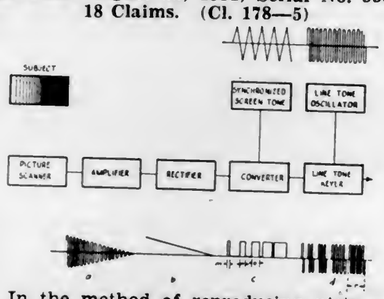
1. In combination with a high frequency amplifier, a demodulator and an audio amplifier, a pair of rectifier circuits, the output electrode of one rectifier being connected to a gain control electrode of said first amplifier to vary the gain thereof, the output electrode of the second rectifier being connected to a gain control electrode of the audio amplifier to regulate the gain thereof, a source of alternating current, means impressing current from said source upon said rectifier circuits for rectification, means responsive to received signal amplitude variations to vary the operation of the one rectifier, means for regulating the operation of the second rectifier with the direct current voltage output of the first rectifier.

2,083,244
VALVE
George G. Semans, Pittsburgh, Pa.
Application March 14, 1935, Serial No. 11,035
3 Claims. (Cl. 277—42)



1. In a fluid valve, the combination with a valve casing having a valve seat and a vent spaced from said seat, a check valve arranged to engage said seat and to open away from the vent, and a valve-actuating plunger arranged to reciprocate longitudinally in the casing and provided with a longitudinal passage, one end of which passage is provided with a seat to engage the check valve to close the passage and to move the check valve out of engagement with the first mentioned seat, and the wall of said passage being provided with an opening arranged to register with the vent when the plunger is out of engagement with the check valve, of a lantern gland in the casing registering with the vent, and sealing means interposed between the wall of the casing and the plunger at either end of the lantern gland.

2,083,245
PICTURE REPRODUCING APPARATUS
Henry Shore, Elizabeth, N. J., and James N. Whitaker, Tuckahoe, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application August 22, 1931, Serial No. 558,750
18 Claims. (Cl. 178—5)

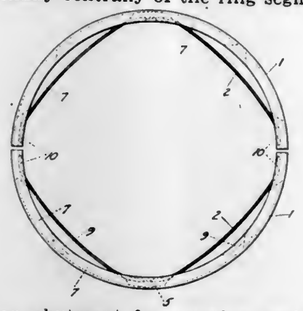


1. In the method of reproducing pictures or the like the steps which comprise electronically converting amplitude modulated carrier wave picture signalling impulses into rectified filtered energy and converting the rectified energy into constant amplitude constant frequency impulses and prolonging the duration of each impulse occurring at constant frequency for a time period directly proportionate to the variations in amplitude of the picture signals.

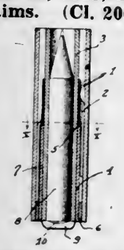
2,083,246
ELECTRONIC MUSICAL INSTRUMENT
Gilbert Smiley, Brighton, Mass., assignor, by mesne assignments, to G. Willard Rich
Application December 4, 1933, Serial No. 700,838
12 Claims. (Cl. 250—36)

1. In a device for the production of musical

the internal and external grooves and leaving narrow bridges connecting the portions of the ring body at the two sides of the slots, a bridge substantially centrally of the ring segment serving as an abutment for a spring, and a spring having its ends and its central portion in the internal groove of the ring, the central portion of the spring pressing against the central bridge.

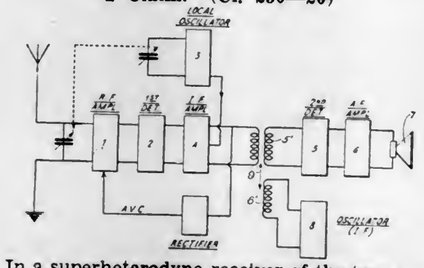


2,083,238
GOLF TEE PACKAGE
James J. O'Brien, Chicago, Ill.
Application April 26, 1935, Serial No. 18,323
12 Claims. (Cl. 206—65)



1. A packaged element of the character described, including a carrying member, golf tees stacked on said member, and a self-sustaining covering member telescopically associated with said carrying member to conceal both the carrying member and the tees.

2,083,239
TUNING CONTROL
Ekko Oosterhuis, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application August 3, 1935, Serial No. 34,572
In Germany August 16, 1934
1 Claim. (Cl. 250—20)



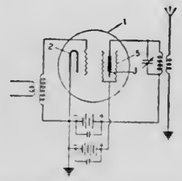
In a superheterodyne receiver of the type comprising a converter, intermediate frequency amplifier, second detector, audio reproducer network and an automatic volume control network for reducing the gain of at least one stage ahead of the second detector as the received signal amplitude increases, an arrangement for securing accurate tuning of the receiver which includes a local oscillator coupled to said second detector input for impressing on the latter waves of a frequency equal to the frequency of the intermediate frequency energy fed to the second detector input, whereby an audible beat note is produced by the reproducer network when the receiver is slightly de-tuned with respect to a desired signal carrier frequency, and means for rendering the oscillator inoperative to impress waves on the detector input when the receiver has been tuned to said carrier and the beat note has disappeared.

2,083,240
DECORATIVE ILLUMINATED ARTICLE
Leopold Pollock, New York, N. Y.
Application June 22, 1934, Serial No. 731,831
9 Claims. (Cl. 240—10)



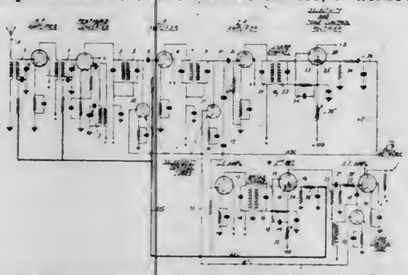
1. A wreath comprising an annular frame made of a single piece of wire and having radially inwardly extending contacting wire end portions, a plug formed with an axial through opening receiving said contacting wire ends, the outer tips of said wire ends being bent outwardly to engage said plug and a lamp mounted on said plug.

2,083,241
OSCILLATOR TUBE
John J. Rogan, Brooklyn, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application September 23, 1933, Serial No. 690,665
2 Claims. (Cl. 250—27.5)



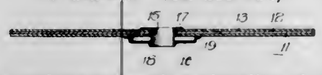
1. An oscillator tube comprising an evacuated envelope, a cathode for emitting primary electrons, an anode for receiving the electrons from said cathode, a control electrode between said cathode and said anode, said control electrode controlling the number of primary electrons from said cathode reaching said anode, said anode having a coating of electron-emissive material on the side of said anode facing said control grid and being the output anode of the tube.

above a predetermined intensity level for decreasing the selectivity of said amplifier input circuit, a transmission channel tuned to said desired frequency coupling said last means and the output of said amplifier, said channel having a relatively sharp resonance curve characteristic, a demodu-



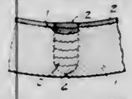
lator, a transmission channel coupling the demodulator input to the output of said amplifier, said last channel having a resonance curve characteristic which is substantially broader than the characteristic of said sharp channel, and means responsive to said intensity level increase for reducing the gain of said amplifier.

2,083,233
SECURING DEVICE
Ralph Landenberger, Evanston, Ill.
Application September 15, 1934, Serial No. 744,146
2 Claims. (Cl. 235—84)



1. In combination with a plurality of rotatable perforated resilient discs, a securing device for said discs, said device comprising a sleeve extending through registering perforations in the discs, a flange on one end of the sleeve, a washer carried by the other end of the sleeve and an inturned flange on the washer engaging a disc at points spaced a greater distance from the perforation than the width of the sleeve flange, the sleeve flange and inturned flange being so spaced axially of the sleeve as to maintain the discs in intimate contact at the line of engagement by the inturned flange and to flex said discs jointly whereby the resilience of the discs aids the securing device in maintaining the discs in adjusted rotary position.

2,083,234
METHOD OF WELDING
Louis J. Larson, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application April 4, 1936, Serial No. 72,682
9 Claims. (Cl. 219—10)



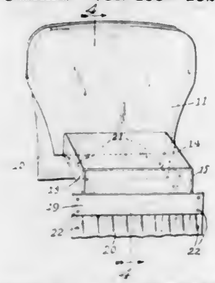
3. In the production of a weld between edges of a composite structure composed of a steel plate and an alloy sheet in contact with a surface of the steel plate, the improvement which comprises partially filling a welding groove between the steel plate edges with weld metal deposited from a fusible metallic weldrod having a composition similar to that of the steel plate, and completing the filling of the welding groove on the side adjacent the alloy surface sheet by depositing weld metal having a composition similar to that of the alloy surface sheet, thereby providing a weld between the edges of the alloy sheet of a depth greater than the thickness of said sheet.

2,083,235
PIANO CLASS TEACHING KEYBOARD
Bernhard Frank Laukandt, Red Wing, Minn.
Application February 6, 1933, Serial No. 655,442
4 Claims. (Cl. 84—471)



1. A keyboard, the short or "black" keys of which have at the base of their outer end a bifurcated extension of sufficient length to make contact with the stop-rail under the outer end of the keys.

2,083,236
FURNITURE SLIP COVER
Julius Levi, Chicago, Ill., assignor to Sam Pass, Chicago, Ill.
Application October 22, 1934, Serial No. 749,326
2 Claims. (Cl. 155—182)



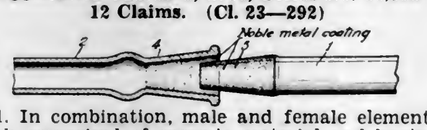
1. A slip cover for an overstuffed article of furniture having a back and a detachable cushion seat comprising connected front and rear panels forming an enclosure for the back of the article, and a cover section for said cushion seat having a top panel and depending side walls terminating in flaps arranged to underlie the longitudinal margins of the seat and having depending front and rear walls secured to the end portions of said side walls to provide a box-like enclosure for the cushion seat, the lower edge of said rear wall being connected to the lower edge of said front panel whereby the rear end of the seat tends to retain said panel against dislodgment upwardly, and diagonally extending means secured to said rear wall and to said flaps for exerting tension on said top panel both transversely and longitudinally to retain said top panel against disarray with respect to said cushion seat.

2,083,237
PISTON RING
Ernest C. Norton, Moline, Ill.
Application May 23, 1934, Serial No. 727,049
3 Claims. (Cl. 309—43)

1. In a plural-piece piston ring, a ring segment having internal and external grooves and slots cut through the body of the ring and connecting

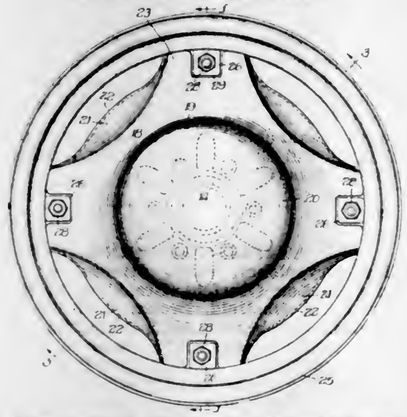
the casing, means carried by the plunger for selecting a fed staple from the magazine and for moving that selected staple into securing relationship to elements positioned beneath the plunger, and a punch carried by the plunger, the punch being mounted to reciprocate with the plunger but externally of the casing, whereby, when the plunger forces a staple into securing relationship, the punch will form an opening through the elements.

2,083,228
CHEMICAL APPARATUS
William O. Geyer, Bloomfield, N. J.
Application March 2, 1936, Serial No. 66,523
12 Claims. (Cl. 23—292)



1. In combination, male and female elements each comprised of ceramic material and having complementary shaped annular surfaces adapting said male element to be received and seated in said female element, the engaging annular surfaces of each of said elements having an adherent coating of ductile metal, the thickness of said coating being adapted to provide a substantially smooth bearing seat on each of said surfaces.

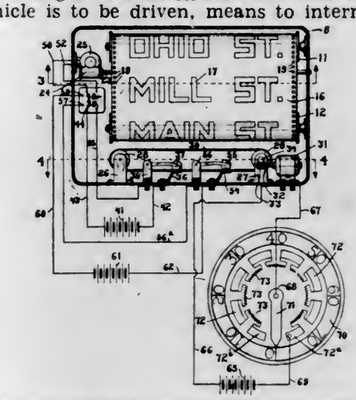
2,083,229
METHOD OF MAKING ONE-PIECE SPOKE SPIDERS
Harry J. Horn and J Harold Hunt, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application August 25, 1934, Serial No. 741,473
11 Claims. (Cl. 29—159.01)



1. The method of forming a metallic wheel construction, which comprises forming a blank of sheet metal into substantially square shape, pressing said blank outwardly adjacent the corners thereof, indenting said blank radially between said corners to form four bulging spoke-like structures, and turning the outer portion of said corners over to form rim supports of limited circumferential extent.

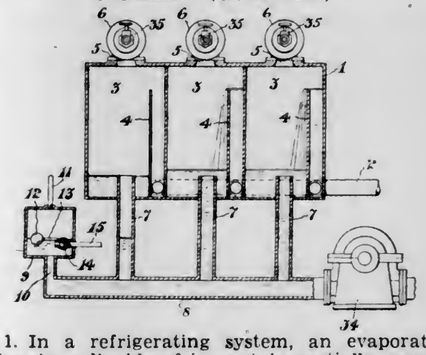
2,083,230
STOP INDICATOR FOR VEHICLES
Anton C. Hurt, Akron, Ohio
Application August 12, 1936, Serial No. 95,558
5 Claims. (Cl. 40—53)

4. In a stop indicator for a vehicle, a casing having a window, a strip of flexible sheet material therein; a longitudinally extending series of sets of characters thereon, each set of characters indicating a location on the route over which the vehicle is to be driven, means to intermittently



drive said strip to successively present each of said sets of characters to said window and means controlled by the speed of the vehicle for regulating said driving means.

2,083,231
REFRIGERATING SYSTEM
John Kirgan, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application August 16, 1934, Serial No. 740,094
9 Claims. (Cl. 62—152)



1. In a refrigerating system, an evaporator wherein a liquid refrigerant is partially vaporized, a conduit connected to the evaporator to discharge the unvaporized refrigerant, means for admitting refrigerant to the system, a valve to control the admission of refrigerant, and means acting responsively to the pressure of said discharging refrigerant to control said valve.

2,083,232
AUTOMATIC SELECTIVITY CONTROL SYSTEM
Winfield R. Koch, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 8, 1935, Serial No. 15,168
11 Claims. (Cl. 250—20)

1. In combination, in a receiver, a source of high frequency energy including an amplifier for the energy, said amplifier being provided with an input circuit tuned to a desired signal frequency, means responsive to an increase of said energy

2,083,221

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, St. Louis, Mo., assignor to The Tret-O-Lite Company, Webster Groves, Mo., a corporation of Missouri

No Drawing. Application December 24, 1936, Serial No. 117,580
10 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising the partial esterification product of a monocarboxy detergent-forming acid and the dihydroxy compound obtainable by condensing urea with a plurality of molecular proportions of an alkylene oxide.

2,083,222

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, St. Louis, Mo., assignor to The Tret-O-Lite Company, Webster Groves, Mo., a corporation of Missouri

No Drawing. Application December 24, 1936, Serial No. 117,582
10 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a sulfonated hydrocarbon body obtained by reacting an aliphatic unsaturated hydrocarbon containing at least 8 carbon atoms and having a double bond at the end of the chain, with a strong sulfonating agent, and hydrolyzing the reaction product.

2,083,223

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, St. Louis, Mo., assignor to The Tret-O-Lite Company, Webster Groves, Mo., a corporation of Missouri

No Drawing. Application December 24, 1936, Serial No. 117,584
13 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a sulfonated alkylated aromatic body in which the alkyl group is substituted in a nuclear hydrogen atom position, and is characterized by containing more than 12 carbon atoms and not over 30 carbon atoms.

2,083,224

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, St. Louis, Mo., assignor to The Tret-O-Lite Company, Webster Groves, Mo., a corporation of Missouri

No Drawing. Application February 15, 1937, Serial No. 125,831
9 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a polyamine salt of an alkylated naphthalene sulfonic acid in which at least one alkyl group substituted in the naphthalene nucleus contains at least three carbon atoms and not more than ten carbon atoms, the salt-forming amine being of the kind characterized by the type formula:

$$NH_2C_nH_{2n}.(C_nH_{2n}.NH)_x.NH_2$$

in which n represents the numeral 2, 3, 4 or 5, and x is a whole number less than 20.

2,083,225

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, St. Louis, Mo., assignor to The Tret-O-Lite Company, Webster Groves, Mo., a corporation of Missouri

No Drawing. Application February 15, 1937, Serial No. 125,832
9 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a polyamine salt of an alkylated naphthalene sulfonic acid in which at least one alkyl group substituted in the naphthalene nucleus contains at least three carbon atoms and not more than ten carbon atoms, the salt-forming amine being of the kind characterized by the type formula:

$$-(C_nH_{2n}.NH)_x.C_nH_{2n}.NH-$$

in which n represents the numeral 2, 3, 4, or 5, and x is a whole number greater than one and less than 20.

2,083,226

GIRDER FOR STRUTS OR THE LIKE

Claude Dornier, Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to Dornier-Metallbauten G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany

Application October 18, 1932, Serial No. 638,348
In Germany October 28, 1931
10 Claims. (Cl. 189—37)



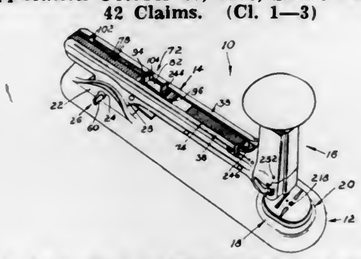
6. A girder comprising a pair of chords tapered in width towards one end and provided with a plurality of spaced substantially parallel longitudinally extending flanges, a plurality of longitudinally extending webs secured to said flanges and uniting said chords, said webs being short and overlapped and their spacing being reduced towards said tapered end.

2,083,227

STAPLING MACHINE

William Drypolcher, Valley Stream, N. Y., assignor to Lou Obstfeld, Brooklyn, N. Y., and Abraham I. Obstfeld, Bronx, N. Y.

Application October 27, 1933, Serial No. 695,473
42 Claims. (Cl. 1—3)



1. A stapling machine including a magazine, the magazine comprising means for receiving a supply of a plurality of staples arranged for feeding along the magazine, and having means for causing movement of the arranged staples toward one end of the magazine, a casing at the latter end of the magazine, a plunger reciprocable in

bearing side of the negative and having translucent diffusing markings in the form of a facial



mask arranged thereon in registering alinement with the facial areas or sections only of the portrait subject of the negative to be diffused.

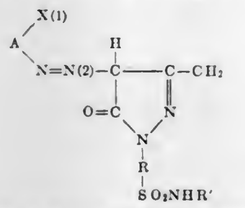
2,083,216

MONOAZO DYES

Walther Benade, Dessau in Anhalt, Erich Fischer, Bad Soden in Taunus, and Max Raeck, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 15, 1935, Serial No. 26,774. In Germany June 20, 1934
7 Claims. (Cl. 260—44.6)

1. The new dyes corresponding to the general formula



in which A is a radicle of the benzene series, X is a member of the group consisting of OH and —COOH and R and R′ each stand for an unsulfonated benzene radicle, one of which is substituted by a COOH-group, said dyes dyeing wool in the presence of a chromium mordant yellow to red tints of good fastness.

2,083,217

PROPHYLACTIC DEVICE FOR THE ORAL CAVITY

Edwin I. Brothers and Abe R. Brothers, Brooklyn, N. Y.

Application July 14, 1934, Serial No. 735,159
6 Claims. (Cl. 15—167)



1. In a device of the character described, the combination of an elongated stock provided with a plurality of hard and tight bristle knots arranged in a single row and spaced apart, and said knots being provided in their free ends with centrally alined channels extending longitudinally of the stock and medially across the free ends of the knots.

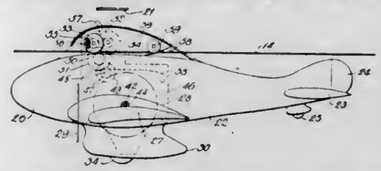
2,083,218

MECHANICAL TOY

William Carter, Lawrence, Kans.

Application December 31, 1935, Serial No. 56,859
10 Claims. (Cl. 46—77)

1. In a toy having a motor driven traction wheel, a track upon which said wheel is mounted, means including the wheel for guiding the toy in its movement over said track, means involving curved track sections for supporting the track in connection with supports arranged in spaced relation thereto and with portions of said track arranged in upwardly and downwardly extending directions, said toy being propelled along the track by the rotation of said traction wheel through power means self-contained in the toy, said traction wheel having a surface of friction material, and the toy including a hook-shaped



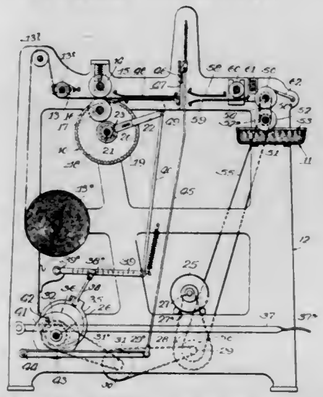
hood portion arranged adjacent the traction wheel and preventing accidental displacement of the toy from the track.

2,083,219

MACHINE FOR PRODUCING WET ADHESIVE TAPE STRIPS

Arthur L. Clements and Norman R. Easter, Evanston, Ill., assignors to Dry-Zero Corporation, Chicago, Ill., a corporation of Illinois

Application November 27, 1935, Serial No. 51,811
3 Claims. (Cl. 91—14.5)



1. In a device of the character described, the combination of an adhesive-applying roll and means for supplying liquid adhesive to the surface thereof, a tape-shooting device including a feed roll adjacent said adhesive-applying roll, means for driving said adhesive roll at substantially uniform speed, and means for intermittently driving said feed roll at a peripheral speed slightly greater than the adhesive roll including a quick-throw lever and a one-way clutch, and cut-off means interposed between said tape-shooting device and said adhesive roll operated in timed relation with said tape-shooting device to sever a tape strip fed by the latter in predetermined lengths.

2,083,220

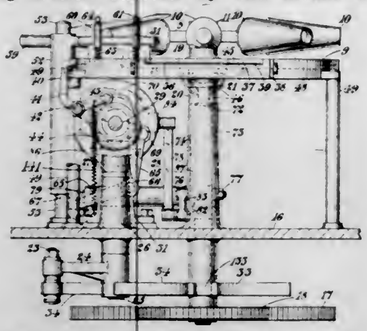
PROCESS FOR BREAKING PETROLEUM

Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to The Tretolite Company, Webster Groves, Mo., a corporation of Missouri

No Drawing. Application August 21, 1936, Serial No. 97,219
8 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a blown oil body derivative obtained from a blown oil body, which has been treated by means of a labile additive reagent with subsequent removal of said additive reagent.

receiving station, a locating station and an applying station successively and means at the



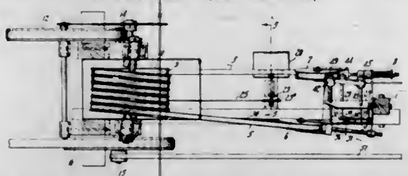
locating station operable automatically to move a blank supported on the table between the guides inwardly of the table.

2,083,211

APPARATUS FOR THE MANUFACTURE OF ARTICLES DIRECT FROM LATEX SOLUTION

Sterling W. Alderfer, Akron, Ohio, assignor of one-half to Edward D. Andrews, Akron, Ohio

Application October 15, 1934, Serial No. 748,305
2 Claims. (Cl. 18—15)



1. An apparatus for forming a rubber filament or the like comprising a heated cabinet, a belt passing into and out of the cabinet, means to apply a film of rubber on the belt and to remove the dried film therefrom, and means to cause the belt to pass in repeated loops comprising a pair of pulleys in the cabinet over which the belt passes, one of said pulleys being set at an angle to the other to impart a spiral path to the belt.

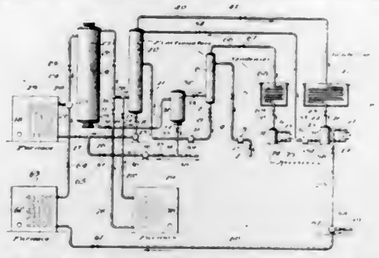
2,083,212

TREATMENT OF HYDROCARBON OILS

Joseph G. Alther, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application February 16, 1931, Serial No. 516,020
Renewed May 20, 1935
1 Claim. (Cl. 196—60)

A process for cracking hydrocarbon oil and for conjointly converting the residue and the incondensible gases of the cracking process into low boiling oils, which comprises maintaining hydrocarbon oil under cracking conditions of temperature and superatmospheric pressure in a reaction zone, separately removing from the reaction zone unvaporized oil and a mixture of vapors and incondensible gases, heating said mixture to vapor phase cracking temperature and then dephlegmating the mixture to condense insufficiently cracked fractions thereof as reflux condensate, flash distilling the withdrawn unvaporized oil by pressure reduction thereby forming residue, combining such residue and the reflux condensate with charging oil for the cracking process and passing the commingled oils in a restricted stream through a heating zone, heating the commingled oils to cracking temperature under superatmospheric pressure in the heating zone and then discharging the same into said reaction zone, further cooling the dephlegmated mixture of vapors and gases to condense the vapors out of the gases



and separating the resultant condensate from the gases, heating a substantial portion of the separated gases to reaction temperature and commingling the same with the heated oils discharged from the heating zone into the reaction zone to react with the heated residue in the reaction zone.

2,083,213

RECOVERY OF HYDROGEN SULPHIDE FROM GASES

Hans Baehr and Karl Braus, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application June 22, 1935, Serial No. 28,020. In Germany June 29, 1934
4 Claims. (Cl. 23—181)

1. The process of recovering hydrogen sulphide from a gas containing the same in addition to carbon dioxide, which comprises scrubbing said gas in the cold with a solution having an alkaline reaction and capable of taking up hydrogen sulphide and carbon dioxide in the cold and of giving them off on heating, while bringing the solution into contact with the gas in a sprayed form and keeping the time of contact of the solution with the gas at less than 5 seconds.

2,083,214

PREPARING 4, 4'-DIALKOXY DIPHENYLAMINES

William Baird, Cecil Robert Mavin, and Arthur George Murray, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application January 9, 1936, Serial No. 58,414. In Great Britain January 11, 1935
7 Claims. (Cl. 260—128)

1. The process which comprises reacting a lower alkyl ester of an inorganic acid with 4,4'-dihydroxy diphenylamine at temperatures of about 90° to about 95° C. in the presence of caustic alkali.

2,083,215

PHOTOGRAPHIC DIFFUSING DEVICE FOR ENLARGING AND PROJECTION PRINTING

Alexander Balaban, New York, N. Y.

Application November 16, 1935, Serial No. 50,107
4 Claims. (Cl. 95—5)

1. A diffusing element for diffusing predetermined sections of a photographic negative of the portrait type, said element being transparent and arranged in close proximity to the image

negative with respect to said cathode, a condenser connected between said control electrode and one output terminal of said receiving amplifier, a second output terminal of said amplifier being connected to earth, said amplifier having a low output resistance, said glow lamp being connected between said control electrode and said cathode of said Braun tube.

2,083,206

SAFETY-PAPER

Walther Schoeller, Duren/Rhineland, Germany

Application February 8, 1935, Serial No. 5,560
In Germany February 8, 1934
11 Claims. (Cl. 154—46)



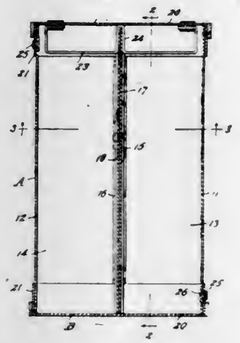
1. A safety paper including a layer of paper having incorporated therein metal salts, and a second layer of material containing a chemical substance capable of reacting with said metal salts to form a visible product coloured differently from said layer of paper and said layer of material, said paper layer being attached to said layer of material by an intermediate layer of an adhesive substance, which swells readily upon the action of liquids, said intermediate layer being adapted normally to separate said metal salts and said chemical substance from contact with one another but adapted, when the safety paper is treated with liquids, to permit said metal salt and said chemical substance to come into contact and react with one another to form said visible coloured product.

2,083,207

COLLAPSIBLE WARDROBE

Abraham Stone, Brooklyn, N. Y.

Application May 2, 1935, Serial No. 19,333
2 Claims. (Cl. 312—144)



1. In a collapsible container, a body section including a rear wall having a forwardly extending partition adapted when the container is set up to subdivide the same into laterally spaced compartments, side walls swingably connected to the rear wall and closures for the compartments swingably connected to the side walls, said walls, partition and closures being foldable so as to permit of the complete collapsement of the section to flat compact arrangement, cover and base sections interfitted with the upper and lower ends of the body section for holding the body section in set up condition, and a bail swingably connected at its opposite ends with the cover section and provided with a medial upwardly offset portion defining parallel arms clampingly engaging over the upper end of the partition for holding the same in compartment-forming position and said bail providing horizontally disposed supporting portions within each compartment for suspending garments within the compartment.

2,083,208

STRUCTURAL PARTS HAVING HIGH PERMANENT STRENGTH

Walter Tofaute, Essen, Germany, assignor to The Nitralloy Corporation, a corporation of Delaware

No Drawing. Application September 17, 1934, Serial No. 744,365. In Germany September 18, 1933
3 Claims. (Cl. 148—31)

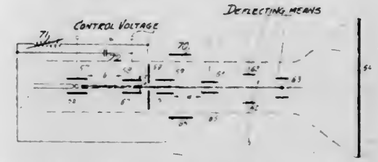
1. A structural part subject in use to prolonged tension stresses at elevated temperatures, formed of a ferrous-base alloy having a nitrided case having a hardness between 600 and 800 penetrating to a depth of about .1 mm. or more, and characterized by a permanent strength in excess of an identical unnitrided part formed of the same alloy.

2,083,209

BRAUN TUBE

Manfred von Ardenne, Berlin, Germany

Application April 17, 1933, Serial No. 666,555
In Germany March 27, 1931
17 Claims. (Cl. 250—27.5)



2. A Braun tube comprising a cathode, a perforated anode and a fluorescent screen, means for deflecting the cathode ray in one direction and means for deflecting the ray in a direction perpendicular to the first said one for scanning said screen, said deflecting means being arranged between said anode and said screen, one deflecting plate arranged at one side of the tube axis between said cathode and said anode, said deflecting plate being adapted to be supplied with a control voltage, and a further deflecting plate arranged at the opposite side of the tube axis between said anode and said deflecting means, said further deflecting plate being adapted to be supplied with a redeflecting voltage.

2,083,210

APPARATUS FOR MAKING TRUNCATED CONICAL TUBES

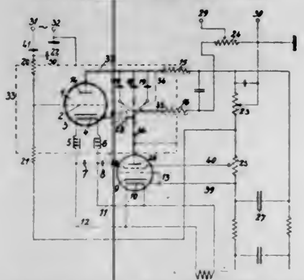
Dennis Wood, Manchester, and Alfred German Rose, Gainsborough, England

Application August 25, 1936, Serial No. 97,848
In Great Britain August 29, 1935
8 Claims. (Cl. 93—36.4)

1. In or for mechanism for making truncated conical tubes, conveying mechanism comprising a turntable having on its upper surface a pair of guides that converge towards the centre of the table, means for rotating the turntable intermittently to pause with the guides located at a

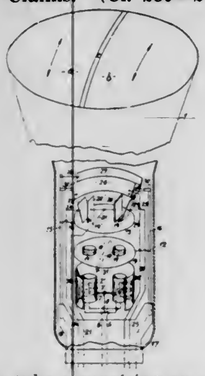
adhere to each other under slight deformation and to form a slab free from gaps, and subjecting such slab to vulcanization.

2,083,202
ARRANGEMENT FOR GENERATING TILTING OSCILLATIONS
Kurt Schlesinger, Berlin, Germany
Application May 2, 1933, Serial No. 668,940
In Germany May 2, 1932
11 Claims. (Cl. 250—36)



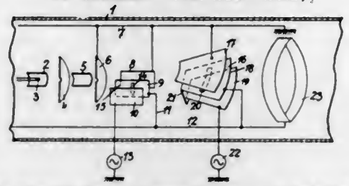
1. An arrangement for producing relaxation oscillations comprising a gaseous discharge device including a cathode, a control electrode and an anode, means for producing the charging current, said charging means being connected with said anode on the one hand and with said cathode on the other hand; an auxiliary condenser being connected to said cathode on the one hand and to said control electrode on the other hand; a main charging condenser being connected to said control electrode on the one hand and to the anode on the other hand, said main charging condenser being smaller than said auxiliary condenser for producing a voltage-division; means for supplying said control electrode with a negative bias; means to supply said control electrode with a synchronizing voltage and a resistance being arranged in the lead connection of said negative bias to said control electrode and a resistance arranged in the lead connection of said synchronizing control voltage to said control electrode.

2,083,203
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany
Application September 29, 1933, Serial No. 691,561
In Germany October 1, 1932
6 Claims. (Cl. 250—27.5)



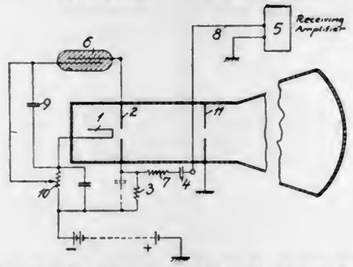
1. A Braun tube comprising an envelope, a plurality of systems within said envelope, each of said systems comprising a cathode and an anode arranged in operative relationship thereto for producing a cathode ray, means for controlling the intensity of the ray, means for concentrating the ray and means for deflecting the ray, a picture receiving screen arranged within said envelope, said screen having a plurality of parts, each of said parts of the screen co-operating with one of said systems for the purpose of producing one independent picture, and means for preventing an influence of the different cathode rays upon each other, said means including deflecting means producing a constant pre-deflection of each of said cathode rays.

2,083,204
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany
Application October 23, 1933, Serial No. 694,915
In Germany October 25, 1932
10 Claims. (Cl. 250—27.5)



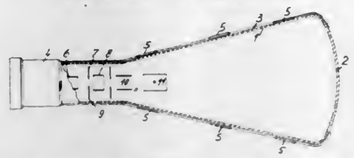
1. A Braun tube comprising a gas-filled envelope enclosing a cathode and an anode mounted in operative relationship thereto, a picture receiving screen, two main electrostatical deflecting systems each consisting of a pair of plates for deflecting the cathode ray in two directions perpendicular to each other, said main deflecting systems being mounted between said cathode and said screen, and two auxiliary electrostatical deflecting systems for causing the ray to enter each of said main deflecting systems under a constant angle of inclination with respect to the plates of the respective system, said auxiliary deflecting systems being mounted between said cathode and said main deflecting systems.

2,083,205
SAFETY MEANS FOR TELEVISION TUBES
Kurt Schlesinger, Berlin, Germany
Application October 5, 1934, Serial No. 747,012
In Germany October 11, 1933
4 Claims. (Cl. 250—27)



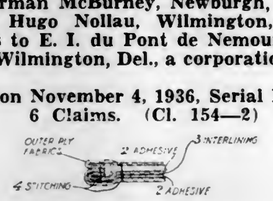
1. In a television reception arrangement the combination of a Braun tube, a receiving amplifier and a glow lamp, said Braun tube at least containing a cathode, a control electrode and an anode, said anode being connected to earth, said cathode being connected to a potential highly negative with respect to said anode, said control electrode being connected to a potential slightly

2,083,198
BRAUN TUBE
Siegmund Loewe, Berlin, Germany
Application August 24, 1933, Serial No. 686,515
In Germany August 13, 1932
2 Claims. (Cl. 250—27.5)



1. A Braun tube for television purposes comprising an evacuated bulb consisting of glass, an electrode system mounted inside said bulb, a fluorescent screen mounted on the bottom of said bulb, several annular elements distributed in the longitudinal direction over this bulb and a guard envelope consisting of cardboard firmly connected with said annular elements, said guard envelope surrounding the whole of said bulb with the exception of the part of the bottom necessary for producing the image.

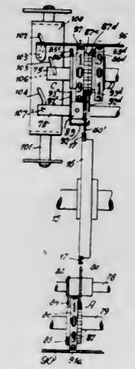
2,083,199
THERMOPLASTIC PRODUCT AND PROCESS OF MAKING THE SAME
John Dorman McBurney, Newburgh, N. Y., and Edgar Hugo Nollau, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 4, 1936, Serial No. 109,088
6 Claims. (Cl. 154—2)



5. Process of preparing multi-ply semi-stiff collars which comprises coating a sheet of the intermediate ply material with a solution of a polymeric ester of methacrylic acid, allowing the solvent to evaporate, cutting out an interliner from the said sheet, and firmly bonding thereto a face and back ply by means of heat and pressure.

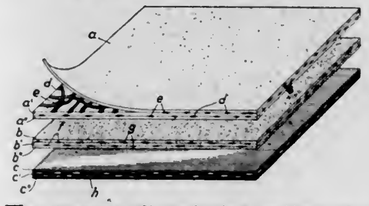
2,083,200
CALCULATING MACHINE
Ernst Modes, Leipzig, Richard Honz, Leipzig-Eutritzsch, and Otto Hennig, Leipzig-Neustadt, Germany, assignors to the firm Triumphator-Werk m. b. H., Leipzig-Molkau, Germany
Application May 23, 1929, Serial No. 365,409
In Germany February 14, 1927
2 Claims. (Cl. 235—79)

1. A calculating unit for calculating machines, comprising a calculating wheel provided with adjustable teeth and fixed on a rotatable shaft, a principal accumulator, including two shafts arranged in parallel relation to said rotatable shaft, a registering wheel rotatably mounted on one of said two shafts, a stop at one side and a spur gear at the other side of said registering wheel, an intermediate spur gear rotatably mounted on the second of said two shafts and cooperating with said spur gear on said registering wheel and with the teeth of said calculating wheel, and a tens transfer lever arranged on the second of said two shafts in line with said stop on said registering wheel, and a subsidiary accumulator, comprising two shiftable shafts arranged in parallel relation to said other shafts, a pair of registering wheels mounted to independently rotate on and to partake in the shifting movements of one of said shiftable shafts, a spur gear connected to each of said registering wheels at the sides facing each other, a stop on each of said registering wheels, a second intermediate gear mounted to rotate on and to partake in the shifting movements of the second of said shiftable shafts and a tens transfer lever of U-shaped cross section, also mounted on and partaking in the shifting movements of the second of said shiftable shafts, one of the registering wheels in said subsidiary accumulator being numbered in the same sequence as the registering wheel in said principal accumulator and the



other being numbered in the opposite sequence, and the arrangement being such, that by shifting the first of said shiftable shafts the spur gears on the registering wheels of said subsidiary accumulator may selectively be engaged with and disengaged from the intermediate spur gear on said second shiftable shaft and simultaneously the shanks of the tens transfer lever of U-shaped cross section on this shaft may selectively be brought in and out of the path of the corresponding projections on said registering wheels, while by shifting the second of said shiftable shafts, said intermediate spur gear in said subsidiary accumulator may be selectively brought in and out of engagement with the teeth of said calculating wheel.

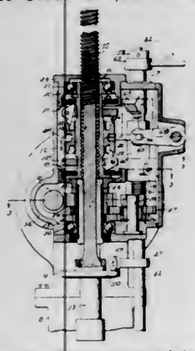
2,083,201
PROCESS FOR THE PRODUCTION OF PATTERNED RUBBER SLABS FOR COVERING FLOORS, WALLS, AND CEILINGS
Wilhelm Poppe, Giessen, Germany
Application July 14, 1934, Serial No. 735,217
In Great Britain July 19, 1933
9 Claims. (Cl. 18—61)



1. The process of producing patterned rubber slabs which comprises arranging in a mold a plurality of differently colored substantially prismatic blocks of unvulcanized rubber in loose juxtaposition, acting on the blocks thus assembled with static pressure to cause the blocks to

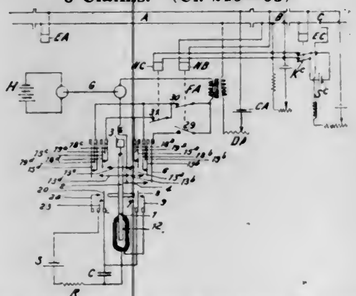
combination a handle with a hole at one end, a bag pervious to liquid for the reception of the dyestuff extending with its neck portion through said hole and a string, one end of which is placed around this neck portion so as to close it, and means for fixing the other end of the string near the other end of said handle.

2,083,194
HONING MACHINE
Albert M. Johnson, Rockford, Ill., assignor to Barnes Drill Company, Rockford, Ill., a corporation of Illinois
Application August 11, 1934, Serial No. 739,381
13 Claims. (Cl. 74—22)



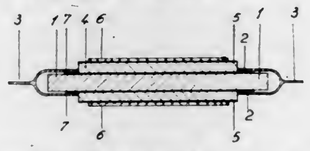
1. A honing machine comprising, in combination, a tool spindle mounted for endwise and rotational movements, a constantly driven element concentric with the spindle, a differential screw and nut device including a screw rigid with the spindle and a nut threaded on said screw, means connecting said spindle with said driven element for rotation thereby at a reduced speed, a stationary part spaced axially from said driven element, and friction clutch means interposed between said driven element and said stationary part and operative alternately to connect said nut with said driven element and said stationary part.

2,083,195
SYSTEM FOR THE TRANSMISSION OF SIGNALS TO RAILROAD VEHICLES
Lucien Joseph Armand Le Goff, Clichy, France, assignor to Société d' Electricité Mors, Clichy, France.
Application March 14, 1935, Serial No. 10,971
In France March 15, 1934
8 Claims. (Cl. 246—63)



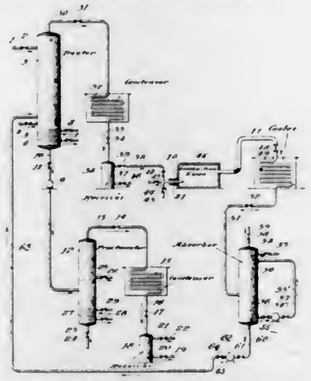
1. In a system for indicating to the driver of a railroad vehicle at insulated sections the condition of traffic ahead, an equipment on the track for each section comprising a current generator connected to the rails by circuits, contacts in said circuits actuated by the oscillations of a pendulum, means for opening and closing certain of said circuits in relation to the condition of traffic ahead, a receiving device on the vehicle influenced by the current circulating in the rails and the rhythmic indication of which is perceptible directly to the driver reproduces precisely the rhythm of said emission.

2,083,196
HEATING ELEMENT FOR HIGH-VOLTAGE CATHODES
Gerhard Liebmann, Berlin, Germany
Application September 29, 1936, Serial No. 103,120
In Germany October 2, 1935
3 Claims. (Cl. 250—27.5)



1. A highly emissive cathode of the indirectly heated type consisting of a tubular semi-conductor rod of ceramic material furnished over its entire length with a hard carbon layer and furnished at the ends of the cylindrical surface with metallic coatings to which metallic connecting caps are fitted, a second insulating tubular rod fitted over said first rod, said second rod being furnished with an equipotential layer and a highly emissive layer.

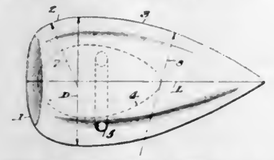
2,083,197
TREATMENT OF MOTOR FUEL
Charles D. Lowry, Jr., and Charles G. Dryer, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 8, 1936, Serial No. 94,988
12 Claims. (Cl. 23—239)



1. A process for improving the inhibiting value of tars from the distillation of solid carbonaceous materials, which comprises reacting said tar with hydrogen halides, fractionating the products into volatile alkyl halides and tar fractions of improved inhibiting value, recovering the latter, burning the alkyl halides to regenerate hydrogen halides, and returning the regenerated hydrogen halides for further use.

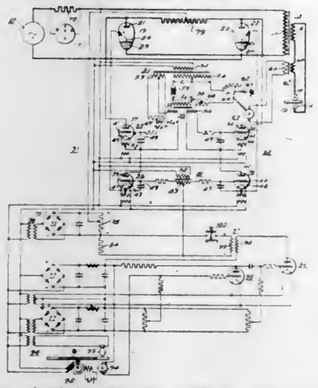
a contour of polygonal outline, the opposite face of the body being of circular formation for introduction into a circular recess in a wood wheel body, and lugs formed integrally with the body and projecting from the side of polygonal contour parallel and in spaced relation with the portion of circular outline, said lugs being adapted for penetration into the wood wheel body, the said first mentioned body having a central aperture therethrough and a ball race formed in the first mentioned side thereof.

2,083,189
GOLF CLUB
Sylvan Jay Crooker, Leesburg, Va.
Application August 13, 1936, Serial No. 95,918
3 Claims. (Cl. 273—77)



1. A golf club, a club head having a striking face from which the head flares to the maximum diameter and then tapers rearwardly, said head having substantially streamline contours in all planes passing through the longitudinal axis, the basic ratio of height to width being unity in all sections perpendicular to the longitudinal axis through the fore and aft tapered contours of the club head, said head having its bottom side cut horizontally to provide a flat sole.

2,083,190
WELDING APPARATUS
John W. Dawson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 31, 1934, Serial No. 728,363
28 Claims. (Cl. 250—27)

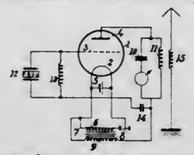


28. An electric power system comprising, in combination, a load circuit, circuit means connecting the load circuit to a source of alternating current, electric valve means in effect consisting of a pair of discharge paths connected to control the flow of current in said load circuit, means for rendering said valve means conducting during periods comprising a predetermined number of half cycles of the alternating current, said valve means being non-conducting during the intervening periods and means for rendering said valve means conducting at a predetermined time in any of said half cycles of the alternating current, the last said means including means for so adjusting the predetermined time at which said valve means is rendered conductive in successive half-cycles as to compensate for differences in the properties of said discharge paths.

2,083,191
METHOD OF BLEACHING AND/OR DYEING FOLIAGE
Henry Dux, Jacksonville, Fla.
No Drawing. Application April 1, 1936, Serial No. 72,211
6 Claims. (Cl. 8—2)

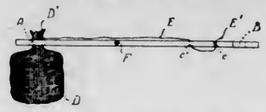
1. The process of bleaching fresh foliage comprising subjecting the same to the action of primary aliphatic alcohol having less than three carbon atoms under pressure ranging from 3 to as high as 7 pounds per square inch above atmospheric, depending upon the age and nature of the foliage being bleached, at temperatures of from 115° to 145° F., until the bleaching is complete.

2,083,192
VALVE CONNECTION SYSTEM
Heinrich Eberhard, Berlin, Germany
Application April 2, 1932, Serial No. 602,865
In Germany April 10, 1931
5 Claims. (Cl. 177—351)



1. In a signaling transmitter, a thermionic generator valve containing a cathode, grid and anode, a low voltage direct current source for the cathode, a transformer and an interrupter, means connected to said interrupter and controlled by a physical quantity for varying the interrupter frequency as a function of said physical quantity, circuit means including the interrupter for connecting the transformer primary to the low voltage source, thereby inducing a voltage in the transformer secondary in accordance with said physical value, a high-frequency oscillatory circuit connected between the anode of the valve and said secondary means for controlling the frequency of said oscillatory circuit, and a transmitting circuit coupled to said oscillatory circuit, whereby the signal transmitted is controlled by said physical quantity.

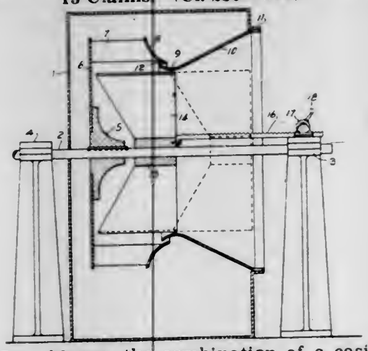
2,083,193
DEVICE FOR PREPARING DYESTUFF SOLUTIONS
Joseph Sabetay Grassiani, Sofia, Bulgaria, assignor to Bruder Grassiani, Sofia, Bulgaria
Application June 16, 1936, Serial No. 85,466
In Bulgaria June 20, 1935
3 Claims. (Cl. 68—11)



1. A device for use in dissolving a dyestuff such as bluing in a liquid such as water comprising in

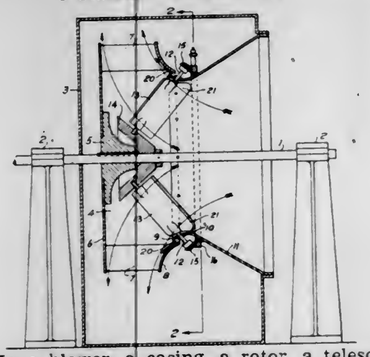
plurality of filtering tubes contained within the chamber and through the walls of which the fluid passes under a pressure differential between the bores of the tubes and the chamber, and a multiple-way valve mechanism for reversing the pressure differential between the bore of one tube and the chamber without disturbing the normal passage of fluid through the walls of the other tubes.

2,083,184
FAN
Edward L. Anderson, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application March 23, 1936, Serial No. 70,196
13 Claims. (Cl. 230—114)



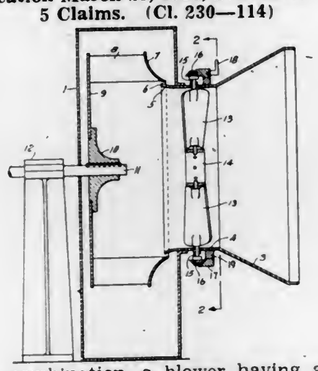
1. In a blower, the combination of a casing, a rotor, and means slidably mounted to extend within the rotor of the blower for imparting a preliminary whirling motion to the air delivered to the rotor and for controlling the volume of air delivered thereby.

2,083,185
FAN
Edward L. Anderson, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application March 23, 1936, Serial No. 70,197
3 Claims. (Cl. 230—114)



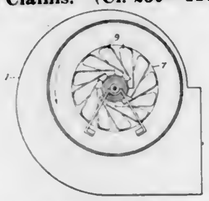
1. In a blower, a casing, a rotor, a telescopically arranged air inlet Venturi throat arranged within but spaced from said rotor to permit the reentry of air on the outside of the Venturi throat, and radially extending guide vanes having their outer ends disposed in the Venturi throat and their inner ends disposed within the rotor for guiding the air on the inside of the Venturi throat substantially parallel to the flow of the air on the outside of the Venturi throat.

2,083,186
FAN
Edward L. Anderson, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application March 23, 1936, Serial No. 70,198
5 Claims. (Cl. 230—114)



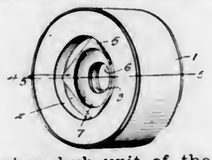
1. In combination, a blower having a casing and a rotor, an air inlet passageway comprising a cylindrical section and a plurality of vanes mounted for pivotal adjustment about radial coplanar axes in said cylindrical section, a conical section in continuation of the cylindrical section for guiding and directing the air with respect to the vanes, and a Venturi shaped section for guiding the air from the vanes into the rotor of the fan.

2,083,187
FAN
Edward L. Anderson, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application March 23, 1936, Serial No. 70,199
4 Claims. (Cl. 230—114)



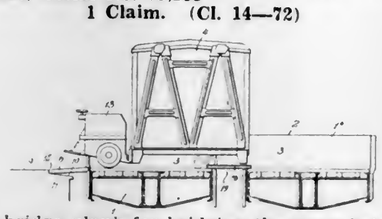
1. In a blower, a casing, a conical inlet passageway having a Venturi throat at the inner end thereof, a plurality of radiating blades mounted within said Venturi throat adjustable on radiating axes that are non-radial to the axis of the inlet passageway, and means of adjusting the angular position of said blades.

2,083,188
WHEEL HUB UNIT
Francis J. Baldwin, Ravenna, Ohio
Application June 16, 1936, Serial No. 85,595
4 Claims. (Cl. 208—181)



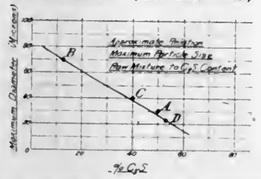
1. A two-piece hub unit of the character described, comprising a body presenting on one side

2,083,178
MEANS FOR USE IN LOADING AND UNLOADING CONTAINER CARS
Graham C. Woodruff, Bronxville, N. Y., assignor to The L. C. L. Corporation, a corporation of Delaware
Original application May 27, 1935, Serial No. 23,798. Divided and this application April 7, 1936, Serial No. 73,163
1 Claim. (Cl. 14—72)



A bridge plank for bridging the space between cars arranged side by side for the transfer of lading over the intervening gap between said cars, said plank comprising a body adapted to bridge said gap and to be supported at its ends upon the floors of the cars, said body being U-shaped in cross-section and provided at its sides with integral upstanding flanges forming guard rails, means upon the underside of the body for reinforcing the same and acting as abutments to prevent undue shifting of the plank laterally of the cars, and L-shaped stiffeners having vertical webs extending along and to the guard rail flanges and horizontal webs extending laterally therefrom outwardly from said flanges and lying flush with the upper edges thereof.

2,083,179
PROCESS OF MAKING CEMENT
Lincoln T. Work, New York, N. Y.
Application October 10, 1934, Serial No. 747,774
2 Claims. (Cl. 106—25)



1. In the process of making cement involving the operations of subdividing essentially non-cementitious materials consisting essentially of compounds of lime, alumina and silica capable, upon sufficient heating in admixture, of reacting to form the main reaction products of a Portland cement composition, preparing a raw mixture of the subdivided materials, and causing the materials therein to react by heating the same, the improvement which consists in subdividing the materials of the raw mixture to a maximum particle size within the diameter range of from about 20 to about 70 microns which maximum particle size increases with the decrease in the potential tri-calcium silicate value of the raw mixture, and in heating the so-subdivided raw mixture at reaction temperature but below that temperature at which the main reaction products liquefy.

2,083,180
CLINKER BRICK REFRACTORIES
Lincoln T. Work, New York, N. Y.
No Drawing. Application September 12, 1935, Serial No. 40,345
7 Claims. (Cl. 106—9)

1. Process of making refractory articles which comprises admixing with refractory aggregate a fluid bonding agent including water glass and a calcium compound which is reactive with water glass to produce a calcium silicate bond containing a material amount of tricalcium silicate and having a higher fusion temperature than the temperature of reaction of water glass and the compound, and forming the mixture into shapes.

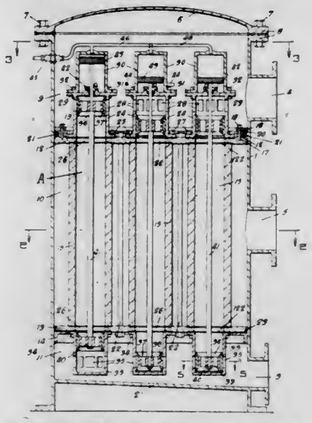
2,083,181
COMPOSITION OF MATTER FOR DYEING ANIMAL FIBERS
Henri Zweifel, Binningen, near Basel, and Charles Graenacher, Fritz Grether, and Fritz Straub, Basel, Switzerland, assignors to "Society of Chemical Industry in Basle", Basel, Switzerland
No Drawing. Application July 16, 1934, Serial No. 735,538. In Switzerland August 12, 1933
6 Claims. (Cl. 8—6)

1. A composition of matter, characterized by a content of a metal compound of a mordant-dyeing azo-dyestuff, and of at the most 5 per cent. of the weight of the dyestuff of a lyophile dispersing agent consisting of a lyophile salt of a benzimidazole substituted at the μ-carbon atom by an open aliphatic chain consisting of at least 8 carbon atoms.

2,083,182
COMPOSITION OF MATTER FOR DYEING ANIMAL FIBERS
Henri Zweifel, Binningen, near Basel, and Charles Graenacher, Fritz Grether, and Fritz Straub, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Original application July 16, 1934, Serial No. 735,538. Divided and this application May 17, 1935, Serial No. 22,110. In Switzerland August 12, 1933
4 Claims. (Cl. 8—6)

1. A composition of matter, characterized by a content of an acid wool dyestuff which is dyed in presence of acetic acid, and of at the most 5 per cent. of the weight of the dyestuff of a lyophile dispersing agent consisting of a lyophile salt of a benzimidazole substituted at the μ-carbon atom by an open aliphatic chain consisting of at least 8 carbon atoms.

2,083,183
FILTERING APPARATUS
Renard Paul Adams, Buffalo, N. Y.
Application July 18, 1936, Serial No. 91,293
17 Claims. (Cl. 210—120)



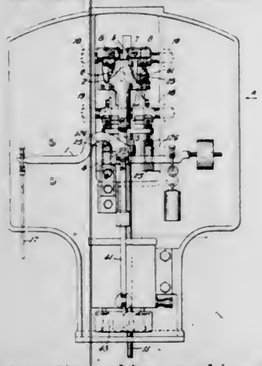
1. In a fluid filtering apparatus, a chamber through which fluid passes under pressure, a

2,083,172
RAZOR HANDLE
Roland L. Smith, Belmont, Mass.
Application July 23, 1935, Serial No. 32,815
1 Claim. (Cl. 30—85)



In a razor, a head, a projection integral with said head, said projection being circular in cross section and of a diameter less than the head at its juncture with the latter to form a shoulder, said projection increasing slightly in diameter from said shoulder to substantially its medial point and then progressively decreasing in diameter to its extremity, and a coil handle enclosing said projection and of a diameter substantially equal to the diameter of the projection at its juncture with the head.

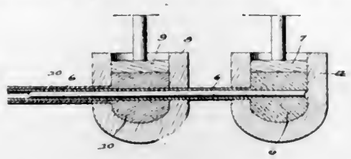
2,083,173
APPARATUS FOR CONTROLLING TOBACCO FEEDING MECHANISM
Felix Frederic Ruau, Deptford, London, England
Application May 26, 1934, Serial No. 727,787
In Great Britain June 7, 1933
10 Claims. (Cl. 131—39)



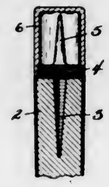
1. In a cigarette making machine, the combination with electrically operated means to control the quantity of tobacco supplied to the machine, of weighing mechanism having a weigh beam, a deflection plate cooperating with the weigh beam, an electrical circuit for the control means, at least one detector member being movable to engage the deflection plate after a weighing operation and operable after said weighing operation to close the said circuit and regulate the control means, said circuit remaining completed for a period of time determined by the extent of movement of said member.

2,083,174
CORDEAU AND METHOD OF MANUFACTURING SAME
Walter O. Snelling, Allentown, Pa., assignor to Trojan Powder Company, a corporation of New York
Application October 4, 1935, Serial No. 43,590
6 Claims. (Cl. 86—1)

1. The method of manufacturing cordeau which consists in forming a lead tube, superimposing directly thereupon in concentric relation a second lead tube, filling the inner tube with a core of detonating material, and drawing out the filled tube to provide the completed product.



2,083,175
GOLF CLUB
Le Roy O. Werner, Wheeling, W. Va.
Application June 28, 1935, Serial No. 28,821
3 Claims. (Cl. 273—32)

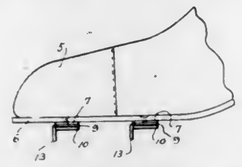


1. In an implement for molding a recess for the reception of a golf tee comprising a plate provided with a shank adapted to be embedded within an end of a golf club shaft for attaching the plate to the latter, and a die protruding from the opposite face of said plate for forming the recess.

2,083,176
LUBRICATION OF RUBBER
George F. Willson, Cleveland Heights, Ohio, assignor to Acheson Colloids Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 29, 1935, Serial No. 29,174
5 Claims. (Cl. 87—9)

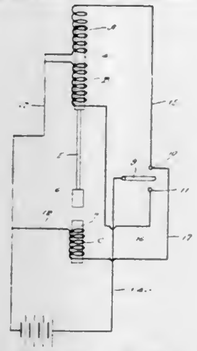
1. A lubricant for rubber bearing members comprising about .2% of finely divided graphite, substantially 50% glycerol and substantially the same amount of water as that of glycerol.

2,083,177
BASEBALL PLAYER'S SHOE CLEAT
Paul E. Wimmenauer, Washington, Ind.
Application October 24, 1936, Serial No. 107,495
2 Claims. (Cl. 36—59)



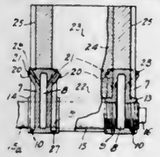
1. A shoe cleat comprising a socket plate attachable to a shoe sole having a pair of sockets therein, a V-shaped cleat element constructed of spring material and having laterally disposed projections on its leg portions for tensional engagement into the said sockets.

2,083,168
ELECTRIC FORGING HAMMER
Edward Larson, Austin, Nev., assignor of one-fourth to H. F. Connelly, one-fourth to William Rast, and one-fourth to J. R. Sibbald, Austin, Nev.
Application December 26, 1935, Serial No. 56,275
1 Claim. (Cl. 172—240)



An electric hammer of the class described comprising a pair of longitudinally disposed solenoids each having an electrical winding thereon, an armature movable in said solenoids, a hammer head on said armature, an anvil for cooperation with said hammer head, an electrical winding surrounding said anvil, a source of electrical supply, a switch, said source of electrical supply and said switch being included in circuit with the windings of the solenoids for selectively energizing said windings for effecting a reciprocating movement of said armature, and said winding of the anvil being connected in circuit with said source of supply and said switch and adapted to be energized simultaneously with the energization of one of the windings of the solenoids.

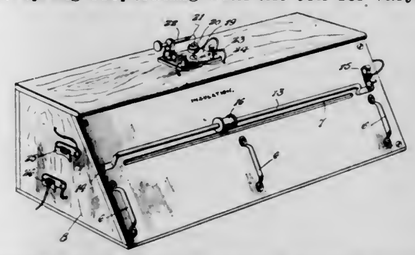
2,083,169
GAS BURNER
Arthur E. Martois, Torrance, Calif.
Application December 3, 1935, Serial No. 52,674
6 Claims. (Cl. 158—7)



1. A gas burner unit comprising two hollow plate-like members positioned in a parallel spaced relation to each other and a gas supply pipe uniting said members and affording interior communication between them, said members being furnished with gas outlet passages which issue at opposite sides of the space between them and which are directed towards each other to produce commingling streams of gas.

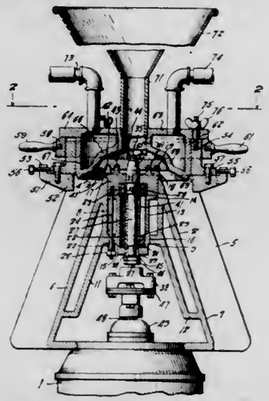
2,083,170
RADIO RECEIVING SET
Virgil Needham, Osceola, Ark.
Application December 16, 1935, Serial No. 54,775
1 Claim. (Cl. 250—14)

Apparatus of the class described including a case, having front and rear walls, top and bottom walls and end walls, said front wall having a longitudinal slot, an inductance coil form extending beneath the slot and having its ends secured by said end walls, an inductance coil wound about said coil form, a rod over hanging the slot, a knob carried by the rod, a spring carried by the knob and electrically connected with the rod, a contact arm carried by the spring and extending through the slot into engagement with the inductance coil, said spring urging the contact arm toward said coil and said rod, the contact arm and spring cooperating with the coil for varying



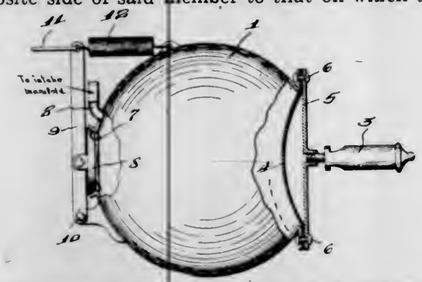
the inductance thereof, a crystal detector mounted on the top wall of the case, coils mounted within the case, clips mounted on an end wall of said case, a clip mounted on said rod, and circuit connections for the inductance coil, crystal detector and last mentioned coils, certain of said circuit connections being connected to the clips and said clips being adapted to receive the phone tips of a head phone and ground connections, and means carried on the opposite end wall to receive an antenna connection, said apparatus being adapted to receive radio broadcasting programs.

2,083,171
ADJUSTABLE COLLOID MILL STATOR
Samuel K. Nester, Geneva, N. Y., assignor to Geneva Processes, Inc., Geneva, N. Y., a corporation of New York
Application August 27, 1930, Serial No. 478,212
Renewed February 19, 1936
9 Claims. (Cl. 83—13)



9. A colloid mill comprising a frame, a rotor carried thereon, a stator receiving ring positioned on the frame, a stator telescoped in the ring above the rotor and having a peripheral flange at the top, the band screwed on the ring engaging the flange on the stator for axially adjusting the stator with respect to the rotor, and means to adjust the stator receiving ring in a plane substantially at right angles to the rotor axis.

through the instrument, the casing having a normally closed valve opening thereinto on the opposite side of said member to that on which the



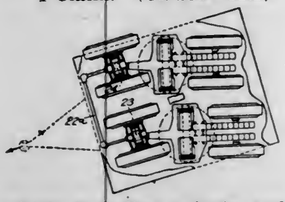
wind operated instrument is located, the valve being operable at will to open the casing to the outer air to break the vacuum.

2,083,165
COMPOSITE SLAB, BLOCK, OR TILE
Eric Russell Harrap, Chorlton-cum-Hardy, Manchester, England
Application November 7, 1934, Serial No. 751,926
In Great Britain December 7, 1933
8 Claims. (Cl. 108—10)



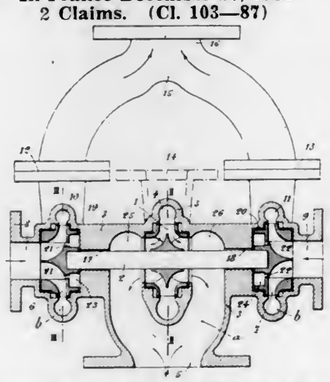
2. As a new article of manufacture, a slab comprising two plane sheets composed of asbestos and a binding agent enclosing a corrugated sheet of the same or similar composition, said corrugated sheet being bonded to said plane sheets by means of a binding agent.

2,083,166
BOGIE VEHICLE STEERING MECHANISM
Henri Wouter Jonkhoff, Dusseldorf, Germany
Application July 10, 1935, Serial No. 30,677
In Germany February 11, 1935
1 Claim. (Cl. 280—33.5)



In a vehicle including a body and a pair of laterally spaced supporting bogies therefor, and wherein each bogie comprises a member on which the vehicle body rests and a pair of arms pivoted at their inner ends to said member for vertical swinging movements and extending forwardly and rearwardly from said member, respectively, and wherein a front bogie wheel is carried by the forwardly extending arm of each bogie and a rear bogie wheel is supported by the rearwardly extending arm of each bogie, and wherein spring means resists upward swinging movements of said bogie arms, whereby the vehicle body is supported on said bogies for forward and rearward tilting movements; means whereby deviation of the vehicle body from movement in a straight line produces steering movements of a related pair of the wheels of the respective bogies relative to the vehicle body and also relative to the related bogie arms, said means comprising a vertical pivotal connection between the vehicle body and the member of each bogie on which the vehicle body rests, a rigid member extending between a related pair of the bogie arms and having a related pair of the wheels of the respective bogies mounted thereon and held thereby at all times in parallel relationship, and universal joint connections between said rigid member and said bogie arms at points spaced outwardly from the pivots of said arms cooperating with the pivotal connections between the vehicle body and the bogies to maintain the bogies at all times parallel to each other.

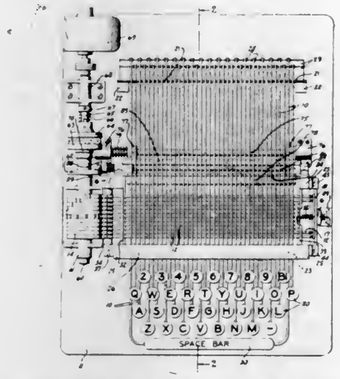
2,083,167
TURBO-PUMP UNIT FOR EXTINGUISHING FIRES
André Lamère, Paris, France, assignor to Société de Moteurs à Gaz et d'Industrie Mecanique, Paris, France, a company of France
Application December 24, 1935, Serial No. 56,118
In France December 27, 1934
2 Claims. (Cl. 103—87)



1. A turbo-pump unit of the type adapted to separately deliver two different water-miscible liquids to a common mixing chamber and delivery conduit, comprising a common casing for housing all of the elements of said unit, a pair of pump chambers disposed within said casing at the opposite ends thereof, a turbine chamber disposed within said casing between said pump chambers, a hydraulically operated turbine in said turbine chamber, a shaft for said turbine, packless bearings for said shaft in the walls of said casing between said turbine chamber and said pump chambers, the ends of said shaft extending through said walls and into said pump chambers, centrifugal pump impellers mounted in said pump chambers on the ends of said shaft, separate inlets to said pump chambers coaxial with said shaft for supplying the water-miscible liquids thereto, separate outlets from said pump chambers joining in a common mixing chamber, a separate inlet and outlet for said turbine chamber, said turbine outlet being in direct communication with the inner ends of said packless bearings and so constructed and arranged that the pressure of the water discharged therefrom exceeds the suction pressure of each of said pumps, and means for establishing communication between the outer ends of said bearings and the suction sides of said pump impellers, whereby a pressure differential is created that forces any leakage through said bearings to flow from said turbine chamber to said pump chambers and prevents any passage of the water-miscible liquids into the turbine chamber.

means connected to receive fluid from the boiler and to withdraw fluid from the evaporator during cooling of the objective, common means for condensing fluid withdrawn by the second mentioned means from the evaporator during cooling of the objective and for delivering heat to said objective during heating thereof, means for conveying condensate from said common means to said boiler, and means for preventing withdrawal of fluid from said evaporator during heating of the objective.

2,083,160
TELEGRAPH PRINTER SYSTEM
William G. H. Finch, New York, N. Y.
Application April 10, 1936, Serial No. 73,783
18 Claims. (Cl. 178—79)



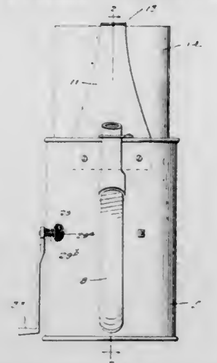
1. In a telegraph transmitter, a plurality of selector bars; a contactor; means, controlled by said selector bars, operating on said contactor for generating a predetermined number of like signals; and further means, controlled by said selector bars, operating on said contactor for modifying the generated signals of said first means into the generation of code combinations of variable signals.

2,083,161
AUTO LOCK
Victor L. Gilpin, Baltimore, Md., assignor to Gilpin Autolock Corporation, a corporation of Maryland
Application October 29, 1934, Serial No. 750,582
7 Claims. (Cl. 70—185)



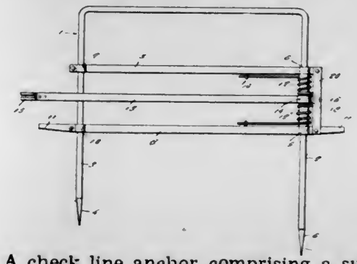
1. A lock comprising a nut having an internal screw thread passage, a bolt having a thread permanently occupying the passage and adapted to make endwise motions back and forth when turned with reference to the nut, a locking lever which is turnable on the axis of the bolt but in a fixed position with reference thereto so as to assume locking and unlocking positions, and an intermediary key-operated clutch mechanism between the lever and bolt transmitting the turning of the lever to the bolt, said mechanism having a slip connection with the bolt compensating for its endwise motions.

2,083,162
DISPENSER
Clarence S. Grant, Belfast, Maine
Application November 13, 1936, Serial No. 110,753
4 Claims. (Cl. 221—23)



1. A dispenser of the character described comprising a shell having a handle, a bottom for the shell, a discharge conduit extending from the bottom, a vertically movable cutter in the shell, means on the outside of the shell for operating the cutter, a can supporting platform in the shell having an opening therein through which the cutter can move.

2,083,163
CHECK LINE ANCHOR
John J. Halvorson, Winona, Minn.
Application December 28, 1936, Serial No. 117,994
4 Claims. (Cl. 111—49)

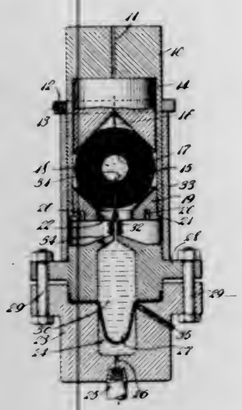


1. A check line anchor comprising a substantially U-shaped stake adapted to be mounted in the ground, an arm journalled for swinging movement in a horizontal plane on one of the legs of the stake and engageable with the other leg of said stake, a hook on the free end of the arm engageable with a check line, said arm being adapted for swinging movement in one direction by the check line, and a spring mounted on said one leg of the stake and engaged with the pivoted end of the arm for yieldingly resisting actuation of said arm by the check line.

2,083,164
SOUND PRODUCING DEVICE OR SIGNAL
Charles G. Hanna, Syracuse, N. Y.
Application April 5, 1935, Serial No. 14,887
5 Claims. (Cl. 116—138)

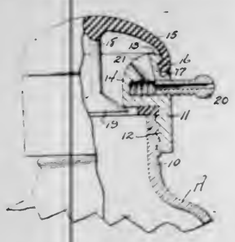
5. In a sound producing device operable by suction, the combination of a casing for connection to a source of vacuum, a wind operated instrument connected to the interior of the casing, a member in the casing operable by the vacuum to draw air into the casing and by air pressure when the vacuum is broken to expel air

core and effecting coagulation thereof in the vicinity of the injection aperture in the wall of



the core by reason of the presence of the said coagulant.

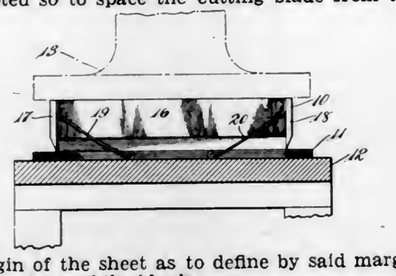
2,083,156
DISPENSING BOTTLE CAP
George J. McCabe, Fargo, N. Dak.
Application February 24, 1936, Serial No. 65,458
1 Claim. (Cl. 221—148)



A closure of the character described comprising a collar-like body opening through opposite ends and having an internally threaded inner end for detachable engagement with a bottle neck mouth and having an annular external groove at the other end thereof, a shoulder formed interiorly of said body to provide a valve seat, an inherently resilient cap-like member covering the outer end of said body and seated in said groove for effecting a depressible bulb, a valve depending centrally from said bulb and normally engaging the valve seat, and a pouring nipple carried by said body and having communication with the bottle mouth at the interior of said body.

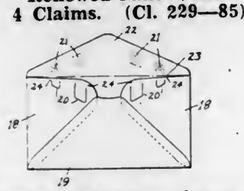
2,083,157
CUTTING DIE
John H. Nelson, Belmont, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application March 26, 1936, Serial No. 70,984
3 Claims. (Cl. 164—29)

1. A die for cutting blanks from sheet material, said die comprising a cutting blade arranged simultaneously to sever at least two adjacent blanks from the sheet adjacent a margin thereof, and a spring stop device laterally spaced from the cutting blade and normally projecting below the cutting face thereof, said stop device being adapted so to space the cutting blade from the



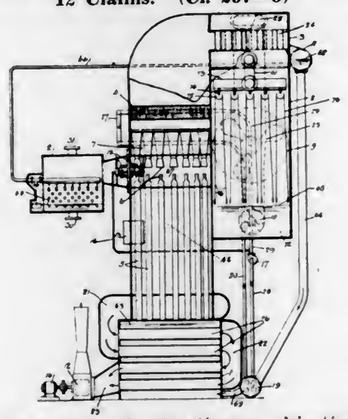
margin of the sheet as to define by said margin a side of one of the blanks.

2,083,158
ENVELOPE
Webster K. Ramsey, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application October 24, 1932, Serial No. 639,256
Renewed June 5, 1935
4 Claims. (Cl. 229—85)



1. An envelope having a closure flap on one wall foldable over the opposite wall to close the opening of the envelope, the edge portion of the last-named wall at each side of the medial line thereof being provided with a cut-out tongue extending away from the opening and the flap of the envelope having spots of adhesive located in such a position as to engage the aforesaid tongues, with said tongues and adhesive constituting the sole sealing means for the envelope flap.

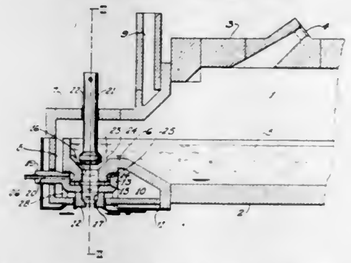
2,083,159
COMBINED HEATING AND COOLING DEVICE
Ralph C. Roe, Englewood, N. J.
Application May 24, 1933, Serial No. 672,524
12 Claims. (Cl. 257—8)



12. In a system for treating an objective to be alternatively refrigerated and heated, refrigerating means including an evaporator, a boiler,

center towards its outer periphery with the loose strands of the tubular bunch at one side of a prong passed over the other prong and interlocked with the juxtaposed coils of the bunch.

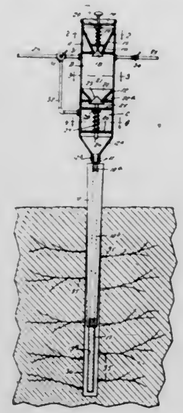
2,083,152
GLASS FEEDER
George R. Haub, Crafton, Pa., assignor to Shawkee Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 1, 1932, Serial No. 614,652
5 Claims. (Cl. 49—55)



2. Apparatus for segregating mold charges from a mass of molten glass comprising a forehearth structure having a feeder boot constituting an extension thereof, said feeder boot having a well with a discharge orifice at the bottom thereof, a refractory element disposed around said boot to form a muffle chamber for directing products of combustion completely around the refractory material of said boot, a cup-shaped refractory element having an outlet orifice in the bottom thereof in vertical alignment with said discharge orifice disposed below said boot and within said muffle chamber to form with the bottom of said boot a closed impulse chamber communicating with the well in said boot through said discharge orifice, an outlet orifice ring below said refractory element and positioned in alignment with said outlet orifice thereby forming with the refractory element and feeder boot, a cylindrical well for molten glass, and means for supplying pressure impulses to said closed chamber to subject the glass in said well to varying pressures.

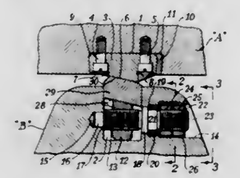
2,083,153
APPARATUS FOR THE TREATMENT OF SOIL
Charles F. Irish, Bratenahl, Ohio
Application January 22, 1936, Serial No. 60,238
6 Claims. (Cl. 47—49)

6. An apparatus for the treatment of soil comprising a tool adapted to be inserted in the soil and to seal the upper portion of the wall of the soil surrounding the tool, a casing connected to the bore of said tool, the said casing having an opening adjacent to the bottom thereof communicating with the bore of said tool and provided thereabove with a compartment having a bottom and an opening in the bottom thereof, an upwardly seating valve normally closing said opening, the said casing also having a second compartment, above the first-mentioned compartment, provided with an opening in the bottom thereof and an upwardly seating valve normally closing said opening, a pipe for fluid under high pressure adapted to communicate with the first-mentioned compartment and with the portion of the casing below said first mentioned compartment, means for delivering and controlling the delivery of the said fluid to either the first compartment or the space below the same or simultaneously to the said compartment and to the said space, and means for delivering



another fluid to the first mentioned compartment.

2,083,154
VALVE SEALING DEVICE
Phillip A. Kinzie, John L. Savage, and Timothy S. Martin, Denver, Colo., assignors to Universal Hydraulic Corporation, Denver, Colo., a corporation of Colorado
Application November 9, 1934, Serial No. 752,200
7 Claims. (Cl. 251—11)

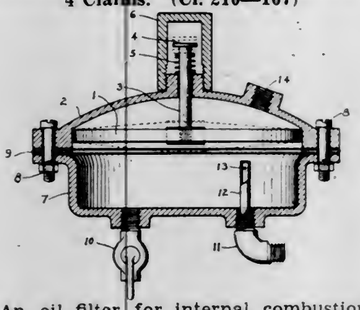


1. A valve sealing device comprising, in combination with valve body and closure members, a seating element on the one member having an inclined face, and the other member being recessed, a sealing element movable in said recess and having an inclined face for surface engagement with the inclined face of the aforesaid seating element, a T shape inclined groove in said sealing element, a wedge nut shaped to slide in said groove and lying within said recess for moving the sealing element, and screw means engaging the wedge for moving the same to adjust the aforesaid sealing element.

2,083,155
METHOD OF MAKING A GOLF BALL
Charles W. Leguillon, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 10, 1934, Serial No. 752,458
1 Claim. (Cl. 154—18)

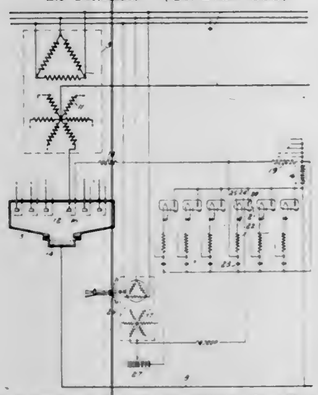
The method of making a ball which comprises winding rubber thread under tension upon a liquid filled envelope constituting a core, thereafter applying a coagulant internally of the structure in the vicinity of the wall of the core, and then injecting a liquid dispersion of rubber into the

2,083,148
OIL FILTER
Joseph C. Coulombe, Del Mar, Calif.
Application February 25, 1935, Serial No. 8,121
4 Claims. (Cl. 210—167)



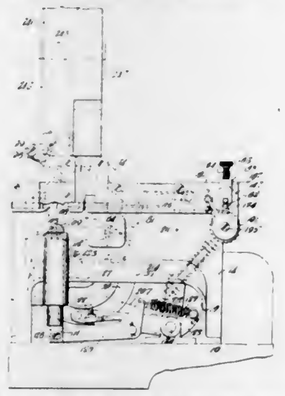
1. An oil filter for internal combustion engines comprising a housing having an oil intake and an oil outlet, a sediment chamber in the lower portion of the housing, said oil intake extending above the lower portion of the sediment chamber, a filter element within said housing located between said oil intake and said oil outlet, said filter element consisting of a thin strip of resilient metallic material wound in a coil sufficiently loose to permit a wiping action between the individual loops of said coil as said coil varies from a flat coil to a conically shaped coil under variations of oil pressure, means for holding the periphery of said coil in a fixed position relative to said housing, and means for limiting the movement of the central portion of said coil so that the loops of said coil shall overlap.

2,083,149
ELECTRON DISCHARGE DEVICE CONTROL SYSTEM
Isadore K. Dortort, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 5, 1934, Serial No. 709,821
12 Claims. (Cl. 175—363)



1. In a system for controlling the flow of electric current, an electric current supply line, electric translation means connected with said line and comprising an alternating current winding and an electric valve having an anode, a control electrode and a cathode; an electric current output line connected with said translation means, a circuit including a source of direct current, an inductive reactor and a capacitor constituting an oscillative element; a resistor connected across said capacitor, electric valve means controlling the flow of current through said circuit, discharge controlling means connected for cyclically controlling the operation of said valve means, and means connecting said circuit with said control electrode to impress thereon a potential similar to the potential across a reactive portion of said circuit.

2,083,150
PIN TICKET MACHINE
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application September 28, 1931, Serial No. 565,466
35 Claims. (Cl. 93—88)



1. Apparatus of the class described comprising means for inserting a pin through a ticket at spaced points and through material between said spaced points, an anvil comprising a rigid part engageable with the pin between said spaced points and a part movable beyond the rigid part for engagement with the material, a yieldable connection between the rigid and the movable parts for normally urging the movable part into engagement with the material, and means for moving the anvil as a unit and for bringing the rigid part to a fixed stop for engagement with a pin.

2,083,151
ABRADANT AND HOLDER THEREFOR
John W. Gottschalk and Sylvester W. Grater, Philadelphia, Pa.; said Grater assignor to said Gottschalk, Annie Gottschalk executrix of said John W. Gottschalk, deceased
Application October 7, 1932, Serial No. 636,679
1 Claim. (Cl. 15—209)



A flexible and resilient metallic bunch and holder therefor comprising an open ended tubular bunch of a coreless helical metallic strand with juxtaposed coils interlocked, and the holder comprising a straight stiff strand bent upon itself to form a loop and prongs, with the prongs passing through the bunch and with the loop at the center of the bunch, and having the prongs extending beyond the bunch and compressing the portion of the bunch between them from the

from each other, said deflector means being operative to constrain a drying medium, delivered from said discharge opening to move laterally outwardly in contact with a surface of the cloth and then inwardly around the selvages of the cloth.

2,083,143
EXPLOSIVES
Laud S. Byers, Glendale, Calif., assignor, by mesne assignments, to Halafax Explosives Company, Los Angeles, Calif., a corporation of Delaware
No Drawing. Application August 20, 1934, Serial No. 740,636
7 Claims. (Cl. 52—13)

1. An industrial explosive consisting essentially of about 38% to 41% of potassium chlorate, 19% to 23% of sodium nitrate, 13% to 14% of shredded wood and 23.25% to 27.5% of a liquid mixture of dinitrotoluene isomers having an initial crystallization temperature of between 25° F. and 60° F., said liquid dinitrotoluene mixture containing from about 0.5% to 2.5% of nitrated cellulose having a nitrogen content of over 12%.

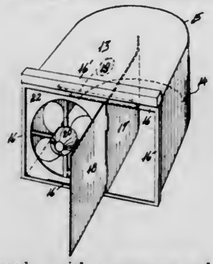
2,083,144
BLASTING EXPLOSIVE
Laud S. Byers, Glendale, Calif., assignor by mesne assignments, to Halafax Explosives Company, Los Angeles, Calif., a corporation of Delaware
No Drawing. Application August 27, 1934, Serial No. 741,726
3 Claims. (Cl. 52—8)

1. A free-running granular explosive containing about 29% to 31% of wood particles of substantially uniform size, about 34% to 36% of sodium nitrate, about 16% to 18% of potassium chlorate and about 14% to 16% of liquid isomers of dinitrotoluene having an initial crystallizing temperature of between 40° F. and 60° F., said wood particles being composed essentially of particles adapted to pass an 8-mesh sieve and be retained on a 14-mesh sieve.

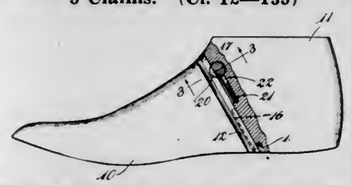
3. A method of making a free-running granular explosive having the properties of blasting powder, coupled with an ability to exert a degree of shattering upon explosion which comprises: adding a liquid mixture of isomers of dinitrotoluene having a crystallization temperature of between 40° F. and 60° F. to coarsely shredded wood composed essentially of particles adapted to pass an 8-mesh sieve and be retained on a 14-mesh sieve, and then mixing sodium nitrate and potassium chlorate in finely divided form therewith without the application of high pressure, approximately 2 parts by weight of chlorate and nitrate being added to 1 part of such shredded wood.

2,083,145
OVEN INSERT HEATER
Michael F. Campbell, Brighton, Colo.
Application June 27, 1935, Serial No. 28,652
5 Claims. (Cl. 126—4)

3. An accessory insert heater for use with cookstove ovens, comprising an insert housing formed with an open end and adapted for slidable cooperation with said oven and when positioned therein having the open housing end in communication through the oven face with the room wherein the oven is located, a partition disposed in intersecting relation with the open end of said housing to form a U-shape air passage therethrough, a deflecting baffle transversely of one branch of said passage arranged to direct incoming air currents toward and against the oven bottom, a baffle plate secured adjacent the forward end of said partition for direction of air circulated through said passage and movable into closing relation with one end of said passage, and means for circulating air through said passage.

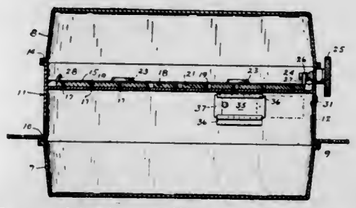


2,083,146
SHOE LAST
Malcolm S. Cate, Watertown, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application April 8, 1935, Serial No. 15,186
5 Claims. (Cl. 12—135)



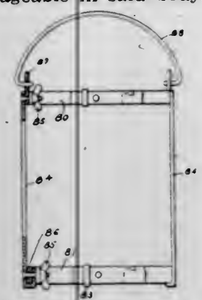
5. A shoe-building last comprising a toe portion and a heel portion slidably engaging each other, and means for releasably holding the portions in their assembled relation, said means comprising a passage formed crosswise in the structure and a plug slidable in said passage transversely of the last from a position of release in which the end of the plug projects from the last to a holding position in which the end of the plug by a contoured form hereof lies substantially flush with the surface of the last.

2,083,147
BASTING DEVICE FOR ROASTERS
Octavia E. Clarkson, Santa Clara, Calif.
Application January 27, 1936, Serial No. 60,929
7 Claims. (Cl. 53—6)



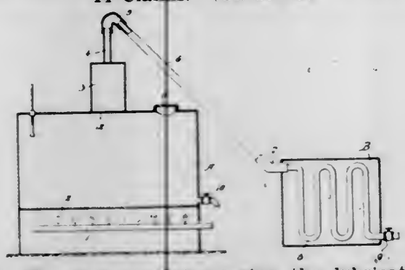
1. In combination with a roaster comprising a pan and a cover which are normally cooperative to define a closed roasting space, a basting attachment comprising a tubular element complementarily engaged with and between said pan and cover in fitted engagement therewith, a plurally perforated partition provided within and across said element and cooperative with the tubular wall of the element to define a reservoir for basting liquid thereabove, and valve means operative at the partition perforations to provide a controlled and distributed discharge of liquid from the reservoir and into the roasting space below the partition.

and lower arcuate members, said frame being removably engageable in said body, rigid unitary



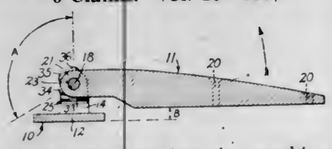
bars connecting said members, clips carried by said frame and a bail attached to said clips.

2,083,139
PROCESS FOR TREATMENT OF LUBRICANTS
Warren G. Black, Cleveland, Ohio
Application June 22, 1935, Serial No. 28,012
14 Claims. (Cl. 87—9)



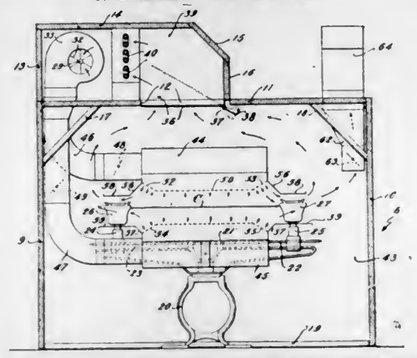
1. The process of increasing the lubricating power of lubricating oils which consists in adding to a first body of oil a less quantity of oil which has been subjected to chemical action in the presence of naphthalene, nitro-benzol, rubber and di-methylaniline.

2,083,140
HINGE CONSTRUCTION
Sigurd Brantingson, Palisades Park, N. J., assignor to Francis Keil & Son, Inc., a corporation of New York
Application May 31, 1935, Serial No. 24,342
6 Claims. (Cl. 16—140)



1. In hinge construction, in combination, a hinge part having a base plate adapted to be secured to a wall or the like and having upstanding therefrom two spaced apertured posts for the reception of a pintle, each of said posts having a slot on its inside face, a U-shaped member having apertured side arm portions joined by a yielding base portion, said side arm portions being spaced so as to be received each adjacent one of said upstanding posts with the yielding base portion extending substantially parallel to said base plate, said side arm portions having lateral projections each received in one of said slots, a companion hinge member having an apertured portion receivable between said side arm portions, and a pintle extending through the apertures in said upstanding posts, said side arm portions, and said portion of said companion hinge member, and said last-mentioned portion having projecting means which engage said base portion and stress the latter as said companion hinge members swings relative to said hinge part.

2,083,141
APPARATUS FOR CONDITIONING SHEET MATERIAL
Lucien Buck, Manchester, Conn.
Application September 21, 1934, Serial No. 744,883
6 Claims. (Cl. 34—48)



1. In combination with a cloth tentering frame, a plurality of individual conditioning units each corresponding to a predetermined section of the frame, said units being distributed longitudinally of the frame and collectively defining a housing about said frame, each unit comprising a pair of fan housings, a centrifugal fan in each housing, means for driving each fan, means for changing the temperature of air on its way to the fan housings, air distributing septums disposed above and below the cloth level respectively and substantially parallel to the plane of the cloth, each septum having a multitude of openings therethrough and guide means extending laterally to points spaced outwardly beyond the positions of the edges of the cloth, and a conduit arranged to deliver air from one fan housing to the space above the upper septum, and a conduit arranged to deliver air from the other fan housing to the space below the lower septum.

2,083,142
APPARATUS FOR CONDITIONING SHEET MATERIAL
Lucien Buck, Manchester, Conn.
Application December 5, 1934, Serial No. 756,108
8 Claims. (Cl. 34—48)



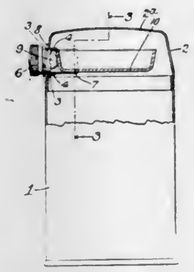
1. In combination with a cloth tenter frame comprising a pair of tenter chains relatively adjustable toward and from one another to accommodate cloth of different widths, a conduit having a discharge opening disposed between the vertical planes of nearest approach of the chains, and deflector means movable with the respective chains as the latter are adjusted toward and

2,083,134
BRUSH
Ronald Ellsworth Wood, Chicago, Ill.
Application March 30, 1935, Serial No. 13,898
3 Claims. (Cl. 15—160)



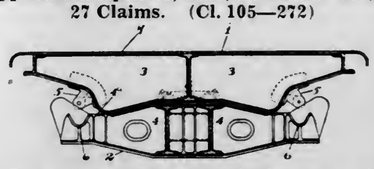
1. A brush comprising a handle having a cross bore near one end thereof and a slot in said handle and intercepting the cross bore, a transverse shaft having a tongue at right angles thereto, said shaft fitting in said bore and said tongue in said slot, securing means for positively anchoring the shaft, reduced end portions on said shaft forming shoulders thereon, a washer adjustable thereto, a pair of flexible backed brushes fitting over the end extensions of said shaft and securing means for the brushes whereby they may be under tension and have pivotal movement on said shaft.

2,083,135
DISPENSING CONTAINER
William C. Agerell and Harold Asher, Chicago, Ill.
Application September 9, 1935, Serial No. 39,758
6 Claims. (Cl. 221—104)



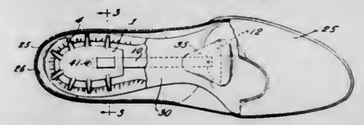
1. In combination in a dispensing container, a main container portion having a base, the container portion extending upwardly therefrom, facing upwardly and being open only at its upper end, a cover therefor, removably positioned upon said open upper end, a dispensing trough supported in said cover, projecting inwardly therefrom at right angles to the main length of the container, the cover at a point opposite the base of the container shaped to provide a primary trough-like portion, the dispensing trough facing upwardly toward said primary trough-like portion and comprising in itself a secondary trough, whereby upon reversal of the container its contents move into the primary trough and upon replacement of the container to its original position the contents of the primary trough fall freely into the secondary trough, the secondary trough movably mounted to be withdrawn from the container, and when in such position, to make its contents readily available to a tooth brush and simultaneously blocking access to the interior of the container.

2,083,136
DUMP CAR
John P. Anderson, Koppel, Pa., assignor, by mesne assignments, to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application April 23, 1929, Serial No. 357,567
27 Claims. (Cl. 105—272)



1. In a dump car, an underframe, a tiltably mounted body, a plurality of transverse stiffening members on said underframe, a plurality of transverse stiffening members beneath said body superposed on said underframe members, said members maintaining the body in stable equilibrium, transversely spaced suitably formed portions on said members about which the body rolls during the initial dumping movement, and trunnions spaced outwardly of said portions about which the body turns to complete the dumping movement.

2,083,137
MANUFACTURE OF SHOES
Edward H. Bastable, Jamaica Plain, Mass.
Application June 5, 1935, Serial No. 25,008
7 Claims. (Cl. 36—34)



1. A shoe comprising an upper, an outsole having a heel portion providing a heel seat, a heel attached to said upper, the lower edge of the rear of said upper being inturned so as to overlie the upper surface of said heel, a heel seat plate having a body portion substantially conforming to the outline of said heel seat and a plurality of integral circumferentially spaced arms overlying said inturned edges, one face of said arms being convex to provide deflecting surfaces for lasting tacks, a fastening element having a head portion engaging the body of said plate and the shank of said fastening element being embedded in said heel, said fastening element permanently securing said plate and said heel and causing said arms to clamp the inturned edges of said upper firmly against the upper surface of said heel, and a shank piece disposed along the inner surface of said outsole and extending from said plate to the ball portion of said outsole, one end of said shank piece being rigidly anchored to said heel plate and its opposite end being secured to the ball portion of said outsole.

2,083,138
REENFORCED BUCKET
Otto F. Becker, Corona, N. Y.
Application March 11, 1936, Serial No. 68,253
1 Claim. (Cl. 150—49)

A paste bucket comprising a flexible substantially cylindrical body, a reenforcing band at the upper edge of said body, a bottom having a raised band secured circumjacent the lower edge of said body, a circumferentially adjustable frame to distend said body, said frame consisting of upper

thereof comprising a series of clips each having adjacent arcuate inner portions opening in substantially the same direction and providing a double grip slidably engaging said beads, each



clip including a portion intermediate the two gripping portions extending through the opening a distance sufficient to cooperate with the end thereof to limit sliding movement of the clip along its supporting beads.

2,083,130

WRENCH SET HOLDER

Carl E. Sundberg, Jamestown, N. Y., assignor to J. P. Danielson Co., Inc., Jamestown, N. Y., a corporation of New York

Application July 30, 1935, Serial No. 33,835

4 Claims. (Cl. 206—16)



1. A wrench set comprising a plurality of superposed wrenches, a holder embracing said wrench set, said holder comprising a base adapted to underlie the bottom wrench of the set, a side wall projecting upwardly from said base, a flange on said side wall overlying said base, a set screw projecting through a threaded opening in said flange and movable to engage the topmost wrench of said set.

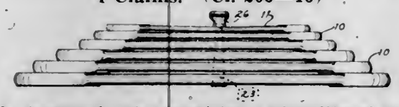
2,083,131

WRENCH SET HOLDER

Kenneth A. Tornebohm, Jamestown, N. Y., assignor to J. P. Danielson Co., Inc., Jamestown, N. Y., a corporation of New York

Application July 30, 1935, Serial No. 33,834

4 Claims. (Cl. 206—16)



1. A wrench set comprising a plurality of superposed wrenches, said wrenches having their end portions connected by shanks of lesser thickness, said wrenches having aligned openings therethrough, a securing member projecting through said openings, a head on said member engageable with the lowermost wrench of said set, and pressure means engageable with the other end of said member, said means being adjustable to bow at least one of said wrenches and cause all of said wrenches to be secured in set relationship.

2,083,132

METHOD AND PRODUCT FOR TREATING GLASS WOOL

Robert C. Williams and Hugh M. Bone, Columbus, Ohio, assignors, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio

No Drawing. Application July 30, 1934, Serial No. 737,637. Renewed October 16, 1936

5 Claims. (Cl. 91—68)

1. As a new article of manufacture, glass wool fibers coated with a film deposited from an emulsion of oil and water, the film so deposited being in an amount which adequately lubricates said fibers but is insufficient to propagate flame at the normal ignition temperature of the oil.

3. The process of treating glass wool strands which comprises the steps of applying to the strands, while the same are heated at a temperature constituting a fire hazard with hydrocarbon oil, a dilute hydrocarbon lubricant emulsion in water which will not support combustion at the temperature of treatment and then removing the water to produce a residual film upon said strands.

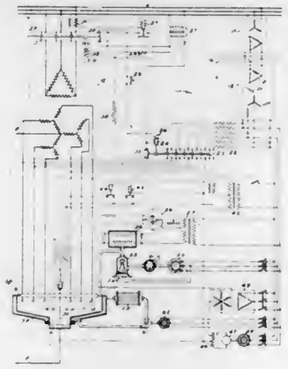
2,083,133

ELECTRIC VALVE SYSTEM

Harold Winograd, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application November 5, 1934, Serial No. 751,492

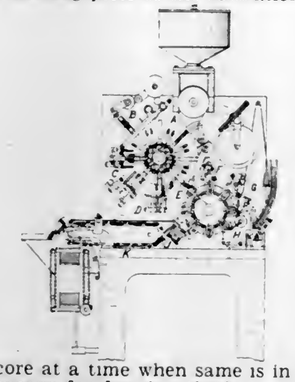
16 Claims. (Cl. 175—363)



1. The combination with an electric current supply circuit, an electric current load circuit, electric valve means comprising an anode and a cathode constituting spaced electrodes for the flow of current between said circuits, and switch means having cooperating contacts for controlling the operative connection of one of said circuits with said electrodes, of means for heating said electrodes to facilitate the initiation of the said flow of current comprising a second supply circuit, switch means having cooperating contacts for controlling the connection of the said second circuit with said electrodes, and an interlock comprising means other than said cooperating contacts for preventing the simultaneous connection of said supply circuits with said electrodes.

13. The combination with an electric current supply circuit and an electric current load circuit, of electric valve means comprising an anode and a cathode connectible with said circuits and constituting spaced electrodes for the flow of current therebetween, switch means operable to one position thereof to effect thereat the connection of said circuits by way of said electrodes, means comprising a time delay device controlling the said operation of said switch means, a second electric current supply circuit connectible with said electrodes for rendering said valve means operative, a second switch means operable to one position thereof to effect thereat the connection of the said second supply circuit with said electrodes and operable to another position thereof to effect thereat the operation of said time delay device.

with a horizontal axis having a plurality of radial hollow cores for forming the bag therearound, means for introducing the substance to be contained by the bag prior to the formation thereof



into one core at a time when same is in inclined position, means for forming the bag around the filled core, means for closing the bag and means for wrapping the bag.

2,083,125

PURIFICATION OF SYNTHETIC METHANOL

Rudolf Scheuble, Vienna, Austria, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application September 11, 1934, Serial No. 743,497. In Germany March 10, 1932

5 Claims. (Cl. 260—156)

1. In the purification of synthetically produced methanol, the steps which comprise diluting crude methanol with water to an extent of between about 10 to about 35 per cent by volume and washing the resulting aqueous solution with a solvent which is scarcely miscible with water and with the aqueous methanol, which has a higher solvent power for the impurities than for methanol and which has a boiling point lower than that of methanol.

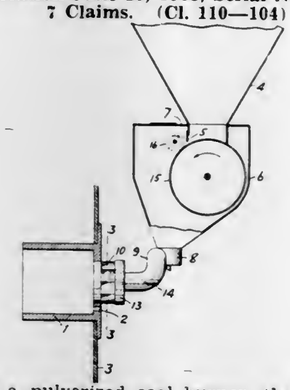
2,083,126

PULVERIZED COAL BURNER

Laurence Shuman, Philadelphia, Pa.

Application June 10, 1933, Serial No. 675,244

7 Claims. (Cl. 110—104)



7. In a pulverized coal burner, the combination of, a hopper for coal dust having an exit therefrom, a substantially enclosed mixing chamber communicating with the exit of the hopper and provided with a regulatable air inlet, and with an outlet for a mixture of coal and air, means arranged in said chamber and adjacent the exit from said hopper providing a moving wall of rubber-like material to which coal dust adheres for removing coal dust from said hopper, a means arranged in said chamber and contacting with said first means adjacent said air inlet to remove coal dust from said first means and to distribute it in the flow of air in said chamber from said air inlet, and means for moving said first means.

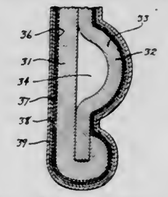
2,083,127

REFRIGERATING APPARATUS

Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware.

Application October 31, 1933, Serial No. 695,981

5 Claims. (Cl. 62—126)



1. An evaporator for a refrigerating system comprising a container for refrigerant having a metallic coating covering a layer of insulating material interposed between said container and said coating for electrically isolating the container from the metallic coating, said layer of insulating material being of such character as to offer inappreciable resistance to the transfer of heat.

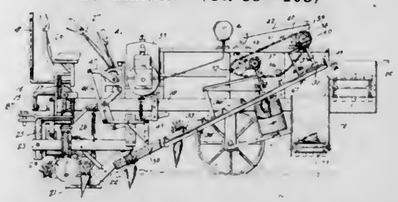
2,083,128

BEET HARVESTER

Henry O. Sparks, Denver, Colo.

Application March 3, 1936, Serial No. 66,852

10 Claims. (Cl. 55—108)



1. A beet digging and topping machine comprising: a wheeled frame; beet lifting plows suspended below the forward extremity of said frame; a pair of endless clamping belts extending from a position to the rear of and above said lifting plows and extending upwardly and rearwardly in said frame; resilient means for forcing said clamping belts against each other so that they will engage and hold a beet top after the beet has been lifted by said plows; and a knife for severing the tops from the suspended beets as the latter are carried along by said clamping belts; and means for raising or lowering the rearward extremities of said clamping belts.

2,083,129

FASTENING DEVICE

May Spear, Jackson Heights, and Gladys Skluth, Woodside, N. Y.

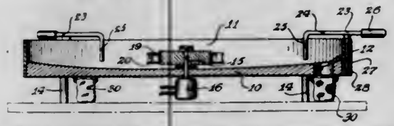
Application December 19, 1935, Serial No. 55,162

7 Claims. (Cl. 24—207)

1. A closure for an article having an opening with flexible beads extending along the edges

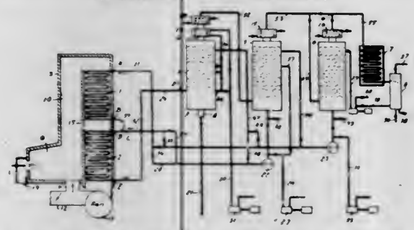
of the pin, the prong end being so arranged that the pin will be required to push at least one edge of the prong completely across the width of the slot on a complete movement of the member in either direction, and an insulating plate secured to one face of the prong end.

2,083,119
GAME APPARATUS
Theodore C. Hense, Montreal, Quebec, Canada
Application April 3, 1936, Serial No. 72,505
3 Claims. (Cl. 273—119)



2. In a game having a board provided with an aperture adapted to receive balls rolled on the board, a guard element adapted to extend substantially perpendicular to the board connected to a support adapted for pivot connection on the board so that the guard element is capable of swinging movement in an eccentric arc about the aperture to intercept balls rolling toward the aperture.

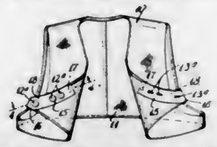
2,083,120
ART OF CRACKING HYDROCARBONS
Edward W. Isom, Scarsdale, N. Y., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application September 10, 1932, Serial No. 632,520
4 Claims. (Cl. 196—58)



1. In the manufacture of gasoline, the improvement which comprises flowing a stream of oil through two heating zones directly connected in series without vapor separation in either zone into a vapor separator, maintaining a substantial superatmospheric pressure on the oil stream in both zones and maintaining a substantially lower pressure in the vapor separator, heating the oil stream to a high cracking temperature upwards of about 875° F. in the first zone, introducing a secondary stream of oil into the primary stream of oil flowing from the first to the second heating zone at a rate and temperature effective substantially to reduce the temperature of the primary stream, heating the combined oil stream to a cracking temperature in the second zone substantially higher than the maximum temperature attained in said first zone, maintaining a temperature effective substantially to inhibit further cracking in the vapor separator, and separating in and taking off from the vapor separator a residual oil and a distillate fraction including the gasoline product.

2,083,121
WATERPROOF VEST FOR HUNTERS
Graaf Reginald Oberrender, Du Bois, Pa.
Application February 1, 1936, Serial No. 61,871
3 Claims. (Cl. 2—102)

1. In combination with a hunting jacket having an open front closable by buttons on the right side of the opening engageable with buttonholes on the left side, a vest for engaging over said hunting jacket comprising red material in the form of a vest adapted to fit over the hunting jacket and having an open front area, and means for closing said area, comprising a button on the left side of the vest engageable with a buttonhole on the right side of the vest.



2,083,122
MANUFACTURE OF ARTIFICIAL FILAMENTS, THREADS, FILMS, AND THE LIKE
Henry Charles Olpin and George Holland Ellis, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 27, 1933, Serial No. 677,850. In Great Britain July 19, 1932
14 Claims. (Cl. 18—54)

1. Process for the manufacture of filaments, threads, yarns, ribbons and the like having a basis of organic derivatives of cellulose capable of being colored with improved fastness with coloring materials normally liable to fade under acidic conditions, which comprises forming the materials from solutions containing in solution cellulose acetate, and organic derivatives of cellulose which contain amino groups in substituent radicles and are insoluble in aqueous alkali, the proportion of amino derivative being such that the nitrogen content of the solutions in the form of amino groups does not exceed 0.2% of the weight of the cellulose derivatives in the solutions.

2,083,123
COMBINATION PLANING AND GLAZING TOOL
Augustus Bertram Quick, East Norwich, N. Y.
Application May 7, 1936, Serial No. 78,299
1 Claim. (Cl. 145—24)

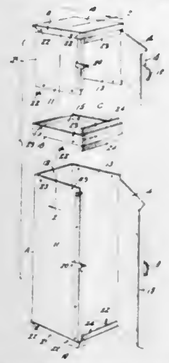


In a woodworking and glazing tool suitable for planing, chiseling and hammering, an elongated transversely flat blade, a transverse substantially straight cutting edge at one end of the tool, and a handle on the opposite end of the blade, the blade being longitudinally reversely curved from the cutting edge to adjacent the handle, a tangent to the curve at any point along its length being at an acute angle of less than 30° to a line tangent to any other part of the curve.

2,083,124
MACHINE FOR MAKING, FILLING, CLOSING, AND WRAPPING BAGS
Adolf Rambold, Dresden, Germany
Application May 2, 1936, Serial No. 77,580
In Germany May 13, 1935
43 Claims. (Cl. 93—4)

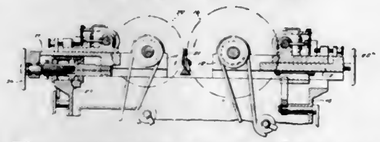
1. Machine for making, filling, closing and wrapping a bag, comprising a vertical core wheel

thereof and to provide a common wall between adjacent compartment-forming units, and means engaging with the complementary units and the



side walls of the compartment-forming units to secure the units together and retain the assemblage in set-up condition.

2,083,115
GRINDING MACHINE
Clement Booth, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, a corporation of Ohio
Original application May 20, 1927, Serial No. 192,878. Divided and this application December 24, 1934, Serial No. 759,087
8 Claims. (Cl. 125—11)



1. The combination with a grinding machine having an abrasive wheel, means for supporting work in operative relation to said wheel, a member mounted for movement transversely of the operative surface of said wheel on the side thereof opposite from said work support, and a truing tool carried by said member and adjustable in position substantially transversely of the direction of movement of said member, of means for gaging the line of contact of said tool and said wheel with respect to the line of contact between said work and said wheel comprising a member extending transversely of the axis of said wheel and passing adjacent to said truing tool and adjacent to said work support, means mounting said member for adjustment in position in a direction transversely of said two lines, and a pointer carried by said member adapted to be brought by adjustment of said member into registry with one of said lines of contact.

2,083,116
FANCY TILE FIXING MEANS
Joseph Burgel, Strasbourg, France
Application June 10, 1936, Serial No. 84,508
In France March 31, 1936
1 Claim. (Cl. 72—20)

In a device for fixing fancy tiles or other such objects on walls, floors and like surfaces, said fancy tiles having at least two notches cut obliquely in two opposite directions into the tile face adjacent to the supporting surface and removable and resilient metal strips having a length greater than the distance between the two



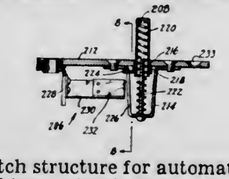
tile notches and forced in bent condition by both their ends into said notches.

2,083,117
COIN CONTAINER CLIP
Stephen Cunningham, New York, N. Y.
Application March 19, 1935, Serial No. 11,889
1 Claim. (Cl. 133—6)



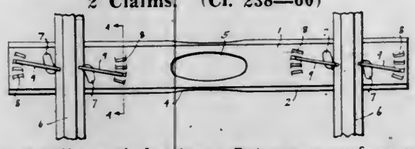
A coin container comprising a base having upturned sides with inturned flanges, coin engaging members resiliently secured at their lower portions to the base, at points below said inturned flanges, said coin engaging members extending underneath said flanges and projecting beyond the upper and lower edges of said flanges, and being limited in their spreading movement by said upturned sides.

2,083,118
BURGLAR ALARM APPARATUS
Benjamin Goldstone, Long Beach, N. Y.
Application May 14, 1929, Serial No. 362,884
4 Claims. (Cl. 200—163)



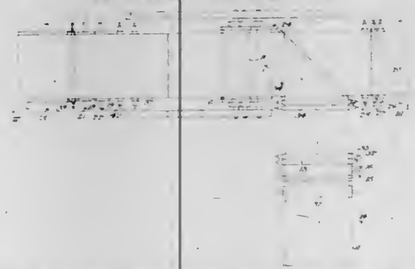
1. In a switch structure for automatically making and breaking a circuit in response to the reciprocation of a member, the structure including a base, the member being reciprocable substantially perpendicularly through the base, a support carried by the base, a flat spring prong extending towards the member from the support, a pin extending laterally from and substantially at right angles to the member, the pin being reciprocable with the member, guide means for the pin, the guide means being located between the prong and the path of movement of the member, the guide means including a slot of substantially uniform width throughout its length, the slot having the same general direction as the direction of movement of the member as it reciprocates, the slot consisting of a plurality of rectilinear sections forming obtuse angles with each other, the prong end being disposed immediately adjacent an intermediate section of the slot and extending completely across the opening of that section, the direction of the prong being substantially that of the general direction of movement

2,083,109
RAILWAY TIE
Jesse J. Bailey, Houston, Tex.
Application April 17, 1936, Serial No. 74,903
2 Claims. (Cl. 238—60)



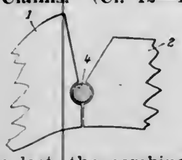
1. A railway tie having a flat upper surface and depending marginal flanges, said tie having diagonal openings spaced apart a sufficient distance to receive a rail flange between them, rail clamps having downward extensions insertable through said diagonal openings and having catches engageable underneath the tie, said diagonal openings being shaped to permit the clamps to be turned to engage the inner ends of the clamps with wedgelike effect against the upper surface of the rail flanges, the upper surface of the tie being provided with arcuate rack faces with which the outer ends of the clamps cooperate the outer ends of said clamps being flexible, thin and of greater length than the inner ends.

2,083,110
WEB PERFECTING ROTARY PRINTING PRESS
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application February 3, 1936, Serial No. 62,071
16 Claims. (Cl. 101—178)



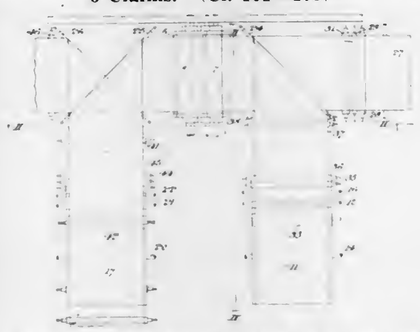
1. In a web perfecting rotary printing press, first and second printing units in line with the press, a drying unit comprising heating and cooling cylinders located out of line with the press, and means for passing the web through said printing and drying units.

2,083,111
DOWEL FOR LASTS
Karl Benscheidt, Jr., Alfeld-on-the-Leine, Germany
Application May 18, 1936, Serial No. 80,266
In Germany June 6, 1935
2 Claims. (Cl. 12—136)



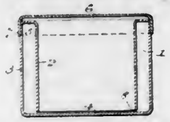
1. In a shoe last, the combination of hinged sections and a separate wood dowel about which the sections pivot, said dowel having the direction of its fibres disposed transversely to the pivotal axis of the sections.

2,083,112
WEB PERFECTING ROTARY PRINTING PRESS
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application February 3, 1936, Serial No. 62,072
6 Claims. (Cl. 101—178)



1. In a web perfecting rotary printing press, first and second printing units in line with the press, two drying units comprising heating and cooling cylinders located out of line with the press, and means for passing the web through said printing and drying units.

2,083,113
CARTON FOR SHIPPING AND STORING BOXES, BOTTLES, ETC.
Felicie Eugenie Amélie Wanpouille Bergaud, Paris, France
Application April 30, 1936, Serial No. 77,199
In France July 17, 1935
1 Claim. (Cl. 229—14)

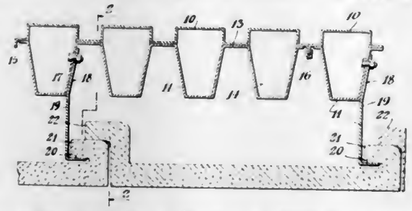


A carton for shipping and storing material-containing boxes or bottles, said carton comprising a body and a removable cover, the said body having inner and outer side walls forming an air space between them, the inner side wall terminating a slight distance above the bottom wall to bring the said air space into open communication with the interior of the carton.

2,083,114
SECTIONAL CONTAINER
Irving Blechman, Bronx, N. Y., assignor to Odora Company, Inc., New York, N. Y., a corporation of New York
Application July 14, 1936, Serial No. 90,546
1 Claim. (Cl. 312—108)

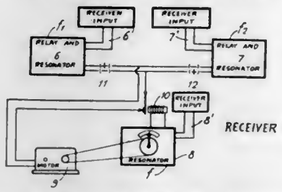
In a sectional container, a plurality of open ended compartment-forming units each including a main body constructed of sheet material and scored on parallel lines to define side walls, and a swinging closure, a plurality of complementary units each including a panel and a peripheral flange medially surrounding the panel and providing a rim projecting at right angles from each of the faces of the panel, said complementary units being telescopically interfitted over the opposite ends of the side walls of the compartment-forming units to close the opposite ends

said members and each provided with a horizontal flange, and fire-proof ceiling members constructed to provide at one end of each ceiling member a hook-shaped portion to engage said



flange and at the other end to engage above the hook-shaped portion for the next adjacent ceiling member, whereby to support the adjoining ends of two members from the same flange.

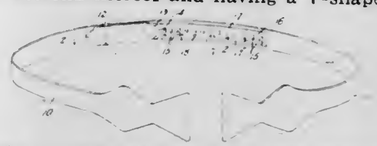
2,083,105
REMOTE CONTROL OF RADIO APPARATUS
Rudolf Weber, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 25, 1935, Serial No. 46,735
In Germany October 1, 1934
5 Claims. (Cl. 172—239)



1. Remote control apparatus for producing a definite displacement to a remotely located controlled organ, from an organ located at the place of control comprising a transmitter having control means which is coordinated to each position of the control means at the place of control with an unequivocal and definite value of a variable frequency, said control organ arranged to have two directions of movement each of which corresponds to a first and second constant frequency, a first and second oscillator for producing said frequencies, a receiver having means whereby said first and second constant frequency releases a movement of a displacement motor in the one or other direction, said motor displacing the organ to be remotely controlled in the desired direction during such length of time, and at the same time, thereby varying the tuning of an oscillatory circuit excited by the receiver of the variable frequency during such length of time until the said oscillatory circuit is in resonance with the variable frequency by which it is excited thereby causing energization of a relay for shutting off of the displacement motor and bringing the remotely controlled organ to a standstill.

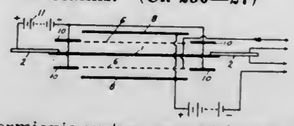
2,083,106
ADJUSTABLE NECKTIE
Isadore David Wolfson, Woodmere, N. Y.
Application April 12, 1935, Serial No. 15,928
1 Claim. (Cl. 2—155)

An adjustable necktie including opposite sections, one of which has its inner end portion folded to form a bight, a link affixed to the inner end of the other section and slidably receiving the bight of said first mentioned section, said first mentioned section having longitudinally spaced openings in one face thereof and a thin flat fastening element comprising an apertured end secured to the said bight portion adjacent the free end thereof and having a T-shaped at-



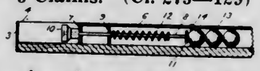
taching terminal arranged in a prolongation of the plane of the apertured end and of the free end of the bight portion for selective engagement with the said longitudinally spaced openings for coupling the sections in adjusted relation so as to vary the length of the necktie.

2,083,107
THERMIONIC TUBE
Felix L. Yerzley, Ithaca, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 3, 1934, Serial No. 738,265
2 Claims. (Cl. 250—27)



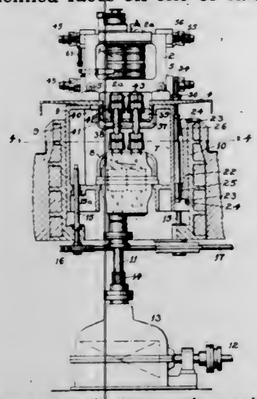
1. A thermionic system comprising in combination a tube provided with grid and anode electrodes, and an electron emitting member, means for supporting said emitting member, means for heating said emitting member, the portions of which adjacent points of support are cooler than other portions of the member, shields surrounding the cooler portions of the member adjacent its points of support, and means to maintain the shields at a negative potential with respect to the emitting member, said shields being located substantially parallel to said member and nearer thereto than the anode.

2,083,108
GAME BOARD
Charles A. Anderson, New Rochelle, and Max Tobin, New York, N. Y., assignors to The Gotham Pressed Steel Company, New York, N. Y., a corporation of New York
Application June 27, 1936, Serial No. 87,684
3 Claims. (Cl. 273—129)



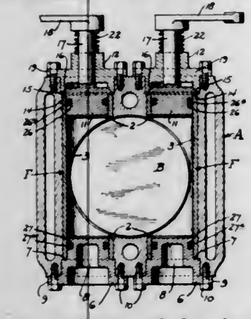
3. A game board comprising a ball projecting device consisting of a tubular member forming a magazine for playing balls in its rear portion, a plunger slidably fitted in the front end of the tubular member by its middle portion, a partition in the tubular member at the inner end of the magazine provided with a relatively large aperture for the innermost ball, the latter being adapted to partly project beyond the edges of the aperture toward the plunger, a flat head on the rear end of the plunger, and a spring supported on the plunger between the front end of the tubular member and the flat head, the front end of the plunger being adapted to be manually pulled for compressing the spring, the flat head being adapted to strike the innermost portion of the ball through its center of gravity.

upper and lower portions of said cage and oppositely inclined faces on one of said ways, and



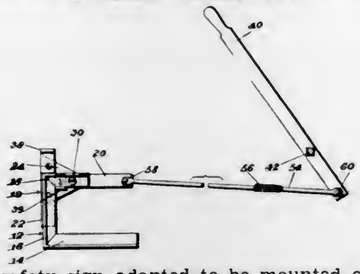
a second screw shaft for moving said wedges in opposite directions against said faces to lock said cage against vertical movement.

2,083,101
VALVE
Napoleon B. Simpson, San Francisco, Calif.
Application September 4, 1934, Serial No. 742,577
2 Claims. (Cl. 123—190)



1. In a valve structure of the class described, a housing having a cylindrical bore extending therethrough with a bearing at each end thereof and a port formed in the housing and opening through the bore at a point intermediate the bearings, the bore portion intermediate the bearings forming a valve seat, a relatively narrow valve member arcuate in cross section cooperating with the valve seat and presenting an inner concave face, a narrow resilient ring formed integral with each end of the valve member and supported by the bearings, said rings being split entirely through transversely at a point substantially diametrically opposite the valve member and expansible to maintain the valve in engagement with its seat, a closure for one end of the bore having a plug extending into the adjacent ring, a removable closure for the other end of the bore, a substantially cylindrical driving head removable through the adjacent end of the bore and detachably retained in place by the removable closure and provided with an operating stem extending through such closure, said driving head and adjacent ring having cooperating means detachably interlocking the driving head and ring, and yieldable means for maintaining the driving head in continuous tight engagement with the closure.

2,083,102
SAFETY SIGN
Ralph M. Slough, Findlay, Ohio, assignor to The Ohio Oil Company, Findlay, Ohio, a corporation of Ohio
Application April 27, 1936, Serial No. 76,662
1 Claim. (Cl. 116—30)



A safety sign adapted to be mounted on the rear of a vehicle comprising in combination a pair of spaced supporting frames secured to the vehicle, a tiltable sign composed of a pair of sections, each having display surfaces thereon, one of said sections being wider and heavier than the other section so that said section will normally tend to move to a horizontal position, the second section being secured along one edge to an intermediate portion of the first section, means for pivotally connecting the second section adjacent the first section to the frames so that said sign will possess a material degree of stable equilibrium and the first section will normally tend to remain in an obscure horizontal position, and remote control means for moving the first section to a vertical display position.

2,083,103
WEED CUTTING DEVICE
Joseph C. Steiner, St. Louis, Mo.
Application September 12, 1934, Serial No. 743,678
7 Claims. (Cl. 56—255)



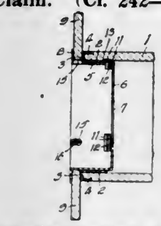
1. A weed cutting device comprising a frame, traction wheels having gear teeth supported from the frame, a shaft supported by said frame having end disposed gears in mesh with the gear teeth of respective traction wheels, horizontally rotatable cutters disposed beneath the frame, having geared connection with said shaft, and a guard member secured to the frame having forwardly and rearwardly extending ends for protecting the cutters from ground engagement.

2,083,104
FIREPROOFING OF BUILDINGS
James A. Thomas, Los Angeles, Calif., and George E. Allen, New York, N. Y.
Application June 22, 1936, Serial No. 86,616
9 Claims. (Cl. 72—68)

8. A fire-proof floor and ceiling construction comprising a plurality of parallel floor supporting members, devices secured to certain ones of

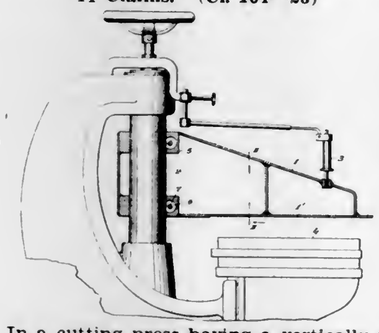
manipulating the thread to prevent engagement of said loop taker with said thread, and moving above the needle the surplus thread present as the result of the slipped stitches to prevent entanglement of the thread around the needle.

2,083,096
SPOOL
Walter L. Rutkowski, Normandy, Mo., assignor to R. C. Can Company, St. Louis, Mo., a corporation of Missouri
Application March 2, 1935, Serial No. 9,069
1 Claim. (Cl. 242—119)



A spool construction having, in combination, a paper cylindrical tubular body, metallic ferrules applied to the ends of the tubular body by frictional contact therewith, tubular sheet metal flange supporting devices applied to the metallic ferrules within the tubular body by frictional contact, outwardly directed circumferentially extending elongated protrusions in the annular walls of the tubular flange supporting devices adjacent their inner ends distorting the inner edges of the metallic ferrules with said distorted edges and protrusions embedded in the inner wall of the tubular body, centrally apertured paper spool flanges clamped between the metallic ferrules and the flange supporting devices, and outwardly directed elongated longitudinally extending protrusions formed in the sheet metal flange supporting devices and embedded in the walls of the apertures in the spool flanges.

2,083,097
CUTTING PRESS
Julius Sandt, Pirmasens, Germany
Application January 22, 1934, Serial No. 707,837
In Germany June 3, 1932
11 Claims. (Cl. 164—23)



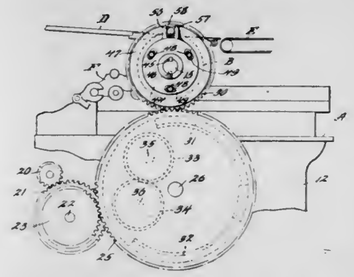
1. In a cutting press having a vertically movable post, a bed, and a beam mounted on said post that can be swung by the operator into different operative positions over the bed, rolled steel plates forming part of said beam, one of said plates forming the bottom of said beam and made of a material of greater tensile strength than the others of said plates.

2,083,098
PARASITICIDAL COMPOSITION
Alwyn C. Sessions, New Brunswick, N. J., assignor to California Spray-Chemical Corporation, Berkeley, Calif., a corporation of Delaware
No Drawing. Application April 4, 1934, Serial No. 719,042
14 Claims. (Cl. 167—16)

1. A hydrophylic complex copper-calcium silicate gel, which is highly insoluble in water, dries to a chalk-like solid which is easily ground to a free floating powder and is substantially non-injurious to verdant vegetation.

6. A parasiticidal composition comprising a substantially neutral complex copper-calcium, silicate containing, hydrophile.

2,083,099
PRINTING PRESS
Frederick W. Seybold, Westfield, N. J., assignor, by mesne assignments, to American Type Founders, Incorporated, a corporation of New Jersey
Application January 17, 1936, Serial No. 59,604
13 Claims. (Cl. 101—286)



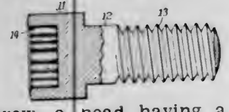
1. In a printing press or the like, in combination, a printing couple, means for driving each member of the couple at approximately the same linear velocity, a driving shaft for one of said members and a gear for transmitting the driving force to said shaft, and a compensating connection between the said gear and said shaft for permitting said member to be directly driven by the other member of said couple at the same linear velocity, regardless of inequalities in the velocities imparted by said first named driving means, said connection comprising a crank carried by said shaft, a lever fulcrumed upon said gear at a point upon one side of the axis thereof, the axis of said fulcrum being perpendicular to the plane of said gear, and having a resilient connection with a portion of said gear, the other arm of said lever being slidably connected with said crank.

2,083,100
ROLLING MILL
John W. Sheperdson, Myles Morgan, and Joseph M. O'Malley, Worcester, Mass., assignors to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application August 4, 1933, Serial No. 683,664
6 Claims. (Cl. 80—55)

1. A rolling mill comprising in combination, a pair of rolls, a housing for rotatably supporting said rolls, a cage for supporting the roll housing, vertical ways for said cage below said housing, a screw shaft for moving said cage to shift the roll assembly as a unit, wedges disposed between the

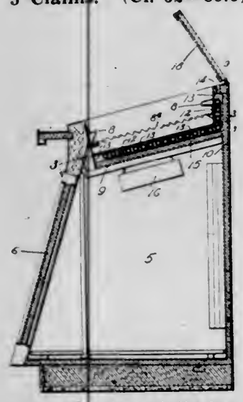
an annular recess surrounding the base portion of said externally screw-threaded extension, a deformable packing element confined in the recess of said member and free from the threads of said externally screw-threaded extension but otherwise engaging the recess walls, and an internally screw-threaded tubular member receiving the externally screw-threaded extension of said first mentioned member and having its end portion proportioned relatively to said annular recess, and the contained packing element, whereby to enter the recess and engage with its end and outer side faces the packing element and deform the latter to seal the joint, the telescoping members being free to move longitudinally while being screwed together and unscrewed from each other.

2,083,092
SCREW
Joseph R. Richer, Detroit, Mich.
Application January 20, 1936, Serial No. 59,866
7 Claims. (Cl. 85—45)



4. In a screw, a head having a socket the peripheral wall of which consists of a plurality of alternating semicylindrical projections and depressions so arranged that the adjacent projections and depressions tangentially merge one into the other at an angle not exceeding 45° as measured from the radial line drawn from the axis of the screw to the point of inflection.

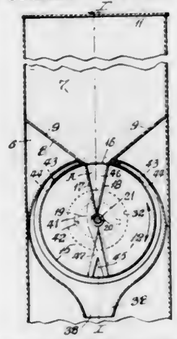
2,083,093
SHOWCASE
Charles E. Rorrer and Albert R. Mitterer, Denver, Colo., assignors to Stadium Stores, Inc., Denver, Colo.
Application December 8, 1933, Serial No. 701,494
5 Claims. (Cl. 62—89.6)



1. A show case having at its top an open bin with a double rear wall and a double bottom, providing spaces for a cooling element, tubes for a refrigerant in said spaces, a body of "Hydroline" or the like, in which the tubes are embedded, and insulating means for confining the refrigeration within the open top.

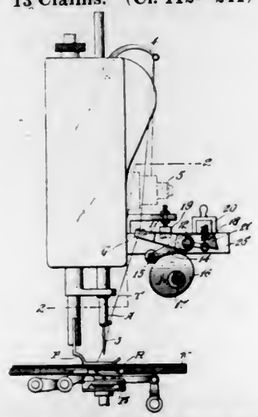
5. A show case having an open bin with a support for merchandise slanting forwardly and downwardly, for the display of the merchandise in a correspondingly slanting position, said bin having a retaining wall projecting upwardly from the lower portion of the bin; refrigerating means arranged to cooperate with said support, to cause a flow of cooled air across said merchandise, and a mirror carried at the back of the bin, said mirror being positioned to slant over the bin from a point adjacent the rearward edge thereof, whereby such merchandise may be reflected toward the front of the show case.

2,083,094
DISPENSING DEVICE WITH REGULATED MEASURING MEANS
Lawrence J. Rose, St. Louis, Mo.
Application May 9, 1935, Serial No. 20,627
12 Claims. (Cl. 221—107)



1. A dispensing device comprising a turnable drum having an opening in its periphery, a pair of walls in the drum disposed to straddle said opening, and means for simultaneously adjusting said walls radially towards or away from said opening.

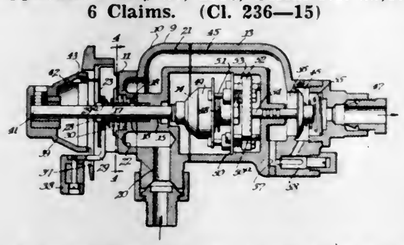
2,083,095
METHOD OF SKIPPING OR SLIPPING OF STITCHES WITH A SEWING MACHINE
Herman Rosenman, Newark, N. J.
Application February 19, 1935, Serial No. 7,223
13 Claims. (Cl. 112—241)



1. The method of slipping one or more stitches in a line of stitches formed in work with a sewing machine wherein a thread loop is formed by a reciprocating needle and engaged by a loop taker during normal operation of the machine in making a stitch, consisting in positively gripping and

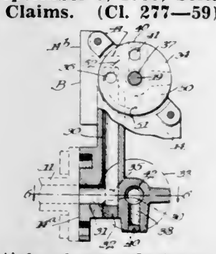
having a lock aperture and a stop aperture therein, means moving with the valve element to engage the plate apertures, and spring means positioned between the valve element and plate to hold the valve element seated and to tend said means into engagement with the plate apertures.

2,083,087
VALVE STRUCTURE
Best Pratt and George F. Weinreich, Chicago, Ill., assignors to Brake Equipment & Supply Co., Chicago, Ill., a corporation of Illinois
Application May 20, 1935, Serial No. 22,476
6 Claims. (Cl. 236—15)



1. A valve structure comprising a valve body, a valve element movable with respect to the valve body, a plate member secured to the valve body and positioned on the side of the valve element distant from the valve body, an operating shaft rotatable in the body and to which the valve element is operatively connected, an operating arm rotatable with and longitudinally movable with respect to the shaft, and means to normally hold the arm in locked position with respect to the plate.

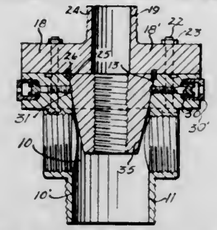
2,083,088
VALVE STRUCTURE AND VALVE ASSEMBLY
Best Pratt and George F. Weinreich, Chicago, Ill., assignors to Brake Equipment & Supply Co., Chicago, Ill., a corporation of Illinois
Application September 9, 1935, Serial No. 39,818
4 Claims. (Cl. 277—59)



1. As an article of manufacture, a gas range valve body having two exterior walls at right angles to each other, one of the walls being provided with valve seats and the other wall being adapted to abut against the end of a gas supply pipe to which the valve body is connected, there being a supply passage in the valve body adapted to communicate with the gas supply pipe and communicating with the valve seats, and outlet passages each communicating with a valve seat and adapted to be connected to a burner.

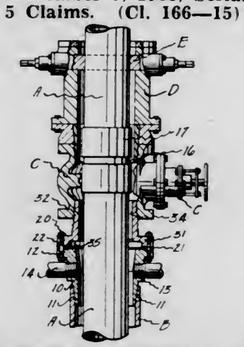
2,083,089
TUBING HEAD
Laurence L. Rector, Fort Worth, Tex
Application May 6, 1935, Serial No. 19,913
14 Claims. (Cl. 166—14)

1. A tubing head including, a body having an axial bore therethrough, said bore having its upper end flared and machined to form a ground seat, a well tubing supporting member arranged to engage in and be supported by said seat, the outer face of said member which engages the seat being machined whereby a ground joint between the member and seat is had, and means



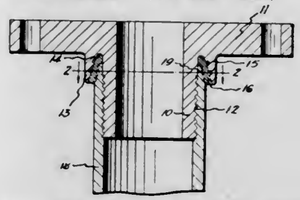
at the upper end of said joint and free from contact with the tubing supported by the member for packing off the joint to prevent leakage of well pressure thereby, said packing means providing a pressure seal between ground surfaces of the seat and the supporting member.

2,083,090
CASING HEAD
Laurence L. Rector, Fort Worth, Tex.
Application December 9, 1935, Serial No. 53,603
5 Claims. (Cl. 166—15)



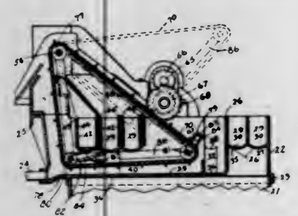
1. A well structure including, a casing head having a lower member adapted to be fastened on a casing and an upper member bolted thereto for rapid separation without rotation, packing between said head members, the upper head member having an upwardly extending annular screw threaded portion and an annular ring recess at the lower end of its bore, the lower member having a ring seat at its top immediately below the recess of the upper member.

2,083,091
JOINT SEAL
Laurence L. Rector, Fort Worth, Tex.
Application January 25, 1937, Serial No. 122,241
4 Claims. (Cl. 285—138)



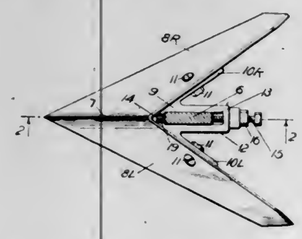
1. A joint seal for telescoping members including, a member having an externally screw-threaded tubular extension and provided with

flat spiral main portion, a connecting portion leading from one end of the main portion to the other end of the main portion, and a portion branching from the main portion and communicating at its ends with the main portion, detach-



able portions in the main spiral portion, means for circulating the cooking liquid in the channel toward the inner end of the main portion, and thence through the connecting portion to the outer end of the main portion, and also through the branching portion.

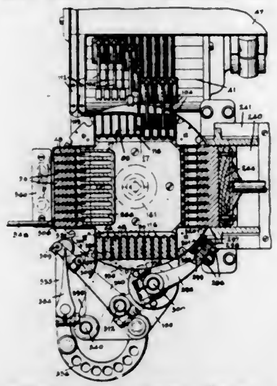
2,083,083
DITCHER
Andrew Nielsen, Brighton, Colo.
Application January 27, 1936, Serial No. 61,031
16 Claims. (Cl. 97—198)



1. A ditcher plow comprising two angularly related mold-boards, a body positioned in the angle between the mold-boards and rigidly secured to them, the body having a vertical oblong opening with its long side in the direction of the bisector of the angle between the mold-boards, the front wall of the opening having a vertical groove, and a vertical extension for the mold-boards, comprising two angularly related plates, inclined to form substantial coplanar vertical extensions of the mold-boards, a pin located in the apex of the angle between the plates and secured to them, said pin extending downwardly into the groove in the front wall of the oblong opening, a shank located in the oblong opening, and means for forcing the shank against the front wall of the opening to form the rear wall of the vertical recess.

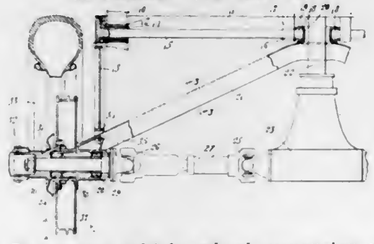
2,083,084
PACKAGING MACHINE
Edward F. Ness, Toledo, Ohio, assignor to Unitpak Corporation, Rochester, N. Y., a corporation of New York
Application May 7, 1936, Serial No. 78,399
27 Claims. (Cl. 93—2)

1. In a packaging machine, a movable member having a plurality of sets of chambers, means for disposing contiguous integral portions of a flexible strip in the chambers of one set, means for inserting material into the portions of the strip located in the chambers to sub-divide the material, and means for ejecting the material



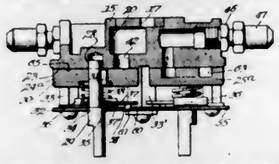
enfolded within the strip from previously charged chambers of another set.

2,083,085
VEHICLE AXLE
Gerald Marley Palmer, Northwood, England
Application July 29, 1936, Serial No. 93,269
In Great Britain July 30, 1935
14 Claims. (Cl. 180—73)



1. In a motor vehicle, wheel suspension means comprising a transverse member which is strong in resistance to bending and relatively weak in torsional resistance; and a pair of independently sprung wheel mountings, secured one upon each end of the transverse member and maintained in alignment thereby, said transverse member thus serving to preserve the alignment of the wheels, and at the same time act as a torsion stabilizer.

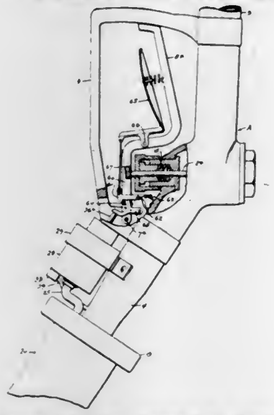
2,083,086
VALVE STRUCTURE
Best Pratt and George F. Weinreich, Chicago, Ill., assignors to Brake Equipment & Supply Co., Chicago, Ill., a corporation of Illinois
Application May 16, 1935, Serial No. 21,877
4 Claims. (Cl. 277—59)



1. A valve structure comprising a valve body, a plate secured to the valve body, a valve element movable with respect to the valve body, and positioned between the latter and the plate, the plate

spring coil mounting eye, opposed side arms each including a finger seat, said side arms being directed toward each other then crossed and extended transversely-oppositely to terminate in opposed clamp loops; and a mounting device for said clamp formed of a single length of spring wire to include means for attachment to said mounting eye, means for attachment to a support, and a free end facilitating connection and disconnection with said mounting eye.

2,083,078
AUTOMATIC SHUT-OFF FOR GASOLINE DISPENSING NOZZLES
Frank V. Mayo, Stockton, Calif.
Application April 20, 1935, Serial No. 17,447
4 Claims. (Cl. 226—120)



1. A device of the character described comprising a housing terminating in a filling nozzle, a spring closed valve in the housing controlling the flow of liquid through the housing and nozzle, a stem on the valve and projecting through the housing, a handle pivotally mounted on the housing and being engageable with the stem to open the valve, a spring actuated latch pivoted at one end to the valve housing, the opposite end of said latch engageable with a shoulder on the handle to secure the handle in a position where the valve is maintained open, manually actuated means for releasing the latch to swing the handle to a position to close the valve, a lever pivotally mounted on the housing and engageable with the latch, and a vent pipe cooperating with the nozzle whereby air displaced during filling of a tank escapes, said escape of air permitting liquid to enter the vent pipe when the liquid in the tank reaches a predetermined level, and means actuated by entrance of liquid in the vent pipe for swinging the lever against the latch to release the handle and the valve held open by the same.

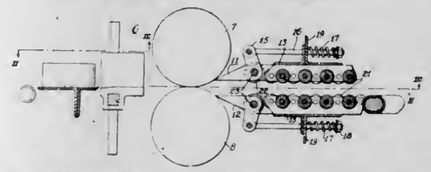
2,083,079
LUMINOUS NUMBER PLATE AND OTHER LUMINOUS SIGNS
William Coleraine McKnight, Glasgow, Scotland
Application October 26, 1936, Serial No. 107,713
In Great Britain September 30, 1935
1 Claim. (Cl. 40—133)

An illuminated sign for vehicles comprising a casing having a light reflecting back wall and a front wall having an opening adapted to receive a license number plate, indicia bearing elements on said plate having small closely spaced apertures extending along the marginal edges of the indicia, corresponding apertures in the number plate flaring inwardly from the holes in the indicia, a source of light in said casing adapted



to be reflected from the back wall to the flared openings in the plate to concentrate the rays through the indicia openings and emit therefrom well defined configurations of the indicia.

2,083,080
METHOD AND APPARATUS FOR ROLLING ZINC AND SIMILAR METALS
Edwin E. Milner, Muncie, Ind., assignor to Ball Brothers Company, a corporation of Indiana
Application June 18, 1935, Serial No. 27,226
3 Claims. (Cl. 80—51)



1. Apparatus for roll reducing zinc comprising a pair of opposed reducing rolls, a roller table located on the entrance side of said reducing rolls, means associated with said table for directing a piece into the pass between said rolls, and means for applying a corrective and rearranging force to the crystals of the piece being acted upon by said reducing rolls including opposed vertically spaced jaws at the delivery side of said rolls and extending into the crotch between said rolls into contact with the peripheral face of one such roll, each of said jaws having a directing surface formed thereon substantially parallel to the pass line between said reducing rolls for engaging the piece emerging from said roll whereby the length of the piece between said jaws and said reducing rolls is utilized to transmit the corrective force from said jaws to the portion of the piece within the active pass of said rolls.

2,083,081
FREEZING MOLD
Harry H. Moll, Denver, Colo.
Application October 24, 1935, Serial No. 46,501
8 Claims. (Cl. 62—108.5)



1. A mold for freezing matter in spherical form, comprising a support having upwardly extending walls, a rubber mold positioned in the support and provided with flanges projecting over the tops of the walls, the mold having a plurality of substantially spherical cavities open at the top for the reception of matter to be frozen, the material being elastic, for permitting the frozen matter to be removed from the cavities.

2,083,082
DOUGHNUT MACHINE
John A. Moran, Brashear, Mo.
Application February 21, 1936, Serial No. 65,160
17 Claims. (Cl. 53—7)

1. In mechanism of the character described, a circuitous cooking liquid channel comprising a

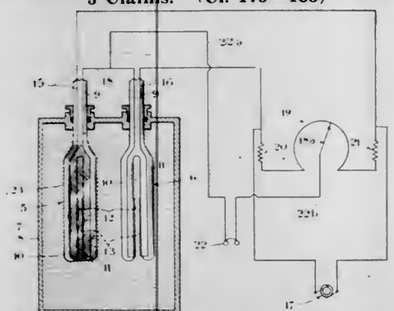
and closing the opening thereof, a reciprocating plunger within the hollow portion of said pump block, said plunger being secured at its outer extremity to said diaphragm for the actuation thereof, and a second diaphragm secured to and surrounding said plunger and secured at its edge to said pump block, said pump block being provided with a telltale hole between said two diaphragms for indicating leakage through said first named diaphragm.

2,083,074

METHOD AND APPARATUS FOR DETERMINING THE CONSISTENCY OF PULP SUSPENSIONS

Otto Maass, Montreal, Quebec, Canada

Application October 1, 1935, Serial No. 43,073
3 Claims. (Cl. 175—183)



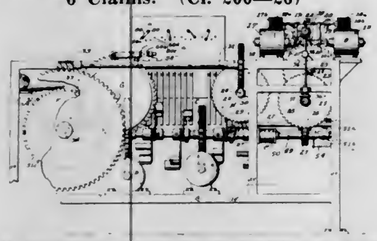
1. A method of determining the consistency of a pulp suspension which comprises immersing two pairs of electrodes in said suspension, excluding pulp constituents of the suspension from the space between the electrodes of one pair so that the resistance of the path between such electrodes is determined solely by the conductivity of the liquid component of the suspension whereas the resistance of the path between the electrodes of the remaining pair is determined by the consistency of the suspension, and noting the ratio of the resistances of said paths.

2,083,075

TRAFFIC SIGNAL CONTROL AND SWITCHING MEANS

Alexander J. Massey, Los Angeles, Calif.

Original application June 25, 1923, Serial No. 647,666, now Patent No. 1,817,754, dated August 4, 1931. Divided and this application October 9, 1930, Serial No. 487,520
6 Claims. (Cl. 200—26)



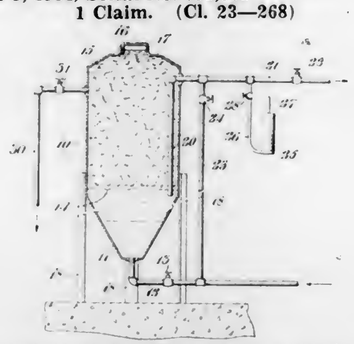
2. A timing mechanism comprising a drum, a multiple of adjustable contacts on said drum, means on said drum to adjust said contacts relative to each other, said drum adapted to rotate continuously once in each 24 hours, stationary contacts adapted to be contacted by the drum contacts, a cam operated by said drum and adapted to make one revolution to 7 revolutions of the drum, sets of electrical circuits connected to the said stationary contacts, means operable by said cam to disconnect selected sets of said circuits for one rotation of said drum, and means operable by said cam to maintain certain of said circuits closed for remaining revolutions of said drum.

2,083,076

METHOD FOR DISSOLVING DELIQUESCENT MATERIAL

George A. Mau, Lakewood, Ohio, assignor to The Coal Treating & Equipment Company, Cleveland, Ohio, a corporation of Ohio

Original application February 26, 1934, Serial No. 712,861. Divided and this application November 5, 1934, Serial No. 751,661
1 Claim. (Cl. 23—268)



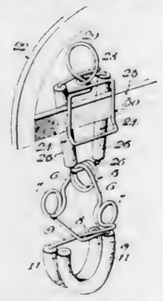
A method of dissolving calcium chloride comprising supporting a quantity of such material upon and over the foraminous portion of a screen extending across a closed container, the container being so arranged that an unrestricted chamber is formed beneath said support, maintaining a body of water under service water pressure substantially above atmospheric pressure within the container, in contact with a substantial amount of the calcium chloride to form a solution thereof, admitting water into said chamber at a point remote from and underneath said screen and withdrawing the solution of calcium chloride at a point adjacent to the screen but offset from the point of entrance of the water.

2,083,077

CLAMP

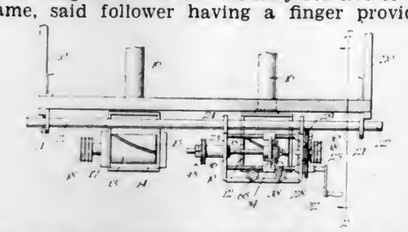
Edward J. Mayer, Portland, Oreg.

Application September 4, 1936, Serial No. 99,465
7 Claims. (Cl. 24—83)



1. A clamp of the character described formed of a single length of spring wire to comprise a

therewith, a substantially U-shaped follower member having spaced arms mounted in the housing, means connected to one of said arms for moving the follower vertically relative to the frame, said follower having a finger provided



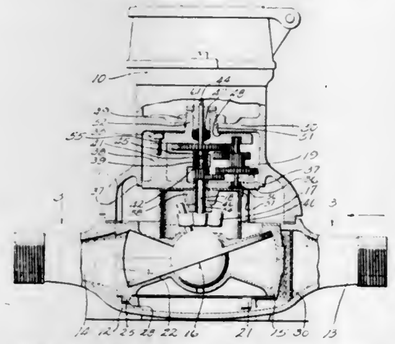
with an edge conforming with the shape of the side of a knife so as to engage the same and insure the edge of the knife being maintained at the proper point of tangency with the grinding wheel.

2,083,070

LIQUID REGISTERING DEVICE

Emil M. Krueger, Milwaukee, Wis., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application November 5, 1934, Serial No. 751,513
8 Claims. (Cl. 73—258)



1. In a liquid registering device, a meter housing bottom having an inlet port and an outlet port, a metering disc chamber therein, a discharge opening in said metering disc chamber, a bearing surface adjacent discharge opening in said metering disc chamber, a bearing surface adjacent said discharge port in said meter housing bottom, coacting means comprising a beveled ear connected beneath said disc chamber, a beveled channel in said meter housing bottom receiving said ear, whereby when pressure is applied upon said metering disc chamber said beveled portions force said bearing surfaces into positive engagement with each other.

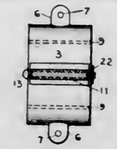
2,083,071

CHAIR HINGE CONSTRUCTION

Thomas W. Lewis, Burlington, Iowa, assignor to Jasper Chair Company, Jasper, Ind.

Application July 6, 1936, Serial No. 89,202
2 Claims. (Cl. 155—156)

1. In a hinge construction for pivotally connecting a back rest of a chair to a chair post, the combination of a hollow semi-cylindrically-shaped spring holder having inwardly directed shoulders at its diametrically opposed edges and an elongated slot intermediate the shoulders, a T-shape rocker arm adapted to be permanently attached to the back rest whose longer arm is inserted through the slot and pivotally attached to said holder, resilient plate members confined under tension within said holder and having



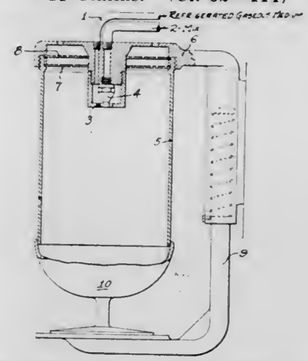
flanges on their opposite ends engaging said shoulders, and abutting said rocker arm on either side, tending to mutually urge the said rocker arm into a predetermined or neutral position.

2,083,072

APPARATUS FOR MAKING ICE CREAM AND OTHER EDIBLE ICES

Ernest Edison Lindsey, San Francisco, Calif.

Application August 16, 1932, Serial No. 628,979
11 Claims. (Cl. 62—114)



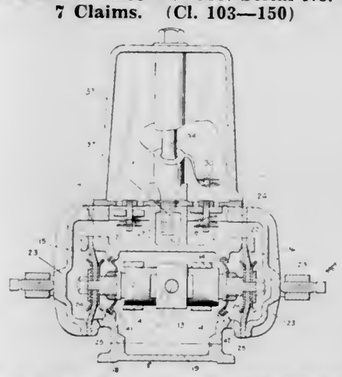
1. The process of making edible ices which consists of preparing the materials to be frozen into a mixture and thereafter atomizing the mixture by the impact of a refrigerated gaseous substance.

2,083,073

DIAPHRAGM PUMP FOR AUTOMATIC WATER SYSTEMS

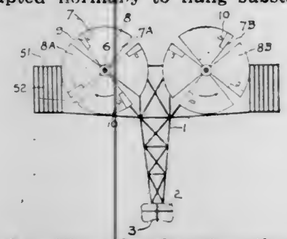
Herman M. Loeber, Beatrice, Nebr., assignor to Dempster Mill Manufacturing Company, a corporation of Nebraska

Application November 3, 1933, Serial No. 696,527
7 Claims. (Cl. 103—150)



1. In a diaphragm pump for water systems, a hollow pump block having an opening, a diaphragm secured on the end of said pump block

of frames set to a dihedral angle and having a plurality of vanes hingedly mounted in said frames on axes wholly parallel to the line of flight and adapted normally to hang substantially in



a vertical position whereby when the helicopter is in normal flight the slip stream of air from above passes freely through said vanes and whereby one end of each of said vanes is presented into the direct line of flight.

2,083,065

PROCESS FOR TREATING SEEDS, BULBS, TUBERS, AND ROOTS

George Edward Heyl, Mill Hill, England

No Drawing. Application November 30, 1935, Serial No. 52,441. In Great Britain November 19, 1935

7 Claims. (Cl. 47—58)

1. A process for treating seeds, consisting in applying thereto a coating forming a water-permeable membrane and containing a substance harmless to plant life and adapted to pass into the sap of the plant under treatment in order to alter the properties of the plant in a pre-selected manner.

5. A method of treating seeds, consisting in applying thereto a coating of latex impregnated with a substance to pass into the sap of the plant growing from the seeds to alter the properties of the plant.

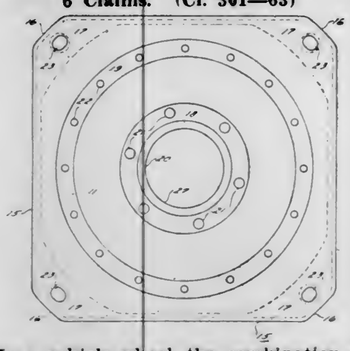
2,083,066

VEHICLE WHEEL

J Harold Hunt, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application July 27, 1933, Serial No. 682,373

6 Claims. (Cl. 301—63)



1. In a vehicle wheel, the combination with a rim of a wheel body therefor comprising a substantially square blank of metal of such size that the lengths of its sides are materially less and the diagonal distances between its corners are substantially equal to the internal diameter of the rim, and means for securing the rim upon the four corners of the blank.

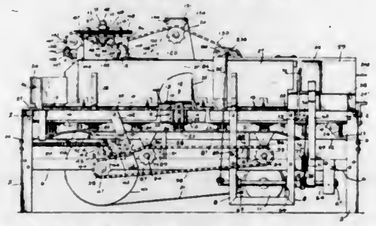
2,083,067

PACKAGING MACHINE

Thomas R. James, Minneapolis, Minn., assignor to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware

Application December 15, 1932, Serial No. 647,393

34 Claims. (Cl. 93—6)



1. In a bag closing machine, means for effecting a continuous movement of the bags along a predetermined path of travel, said means comprising spaced guides between which the bags are fed, means on said guides for supporting the bags while in motion, and means for tapping the bottoms of the bags to settle the material therein.

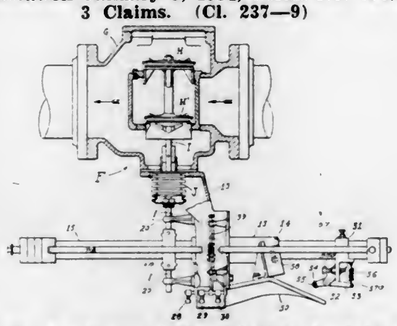
2,083,068

APPARATUS FOR HEATING BY STEAM

Irving C. Jennings, South Norwalk, Conn.

Application January 5, 1934, Serial No. 705,449

3 Claims. (Cl. 237—9)



1. In a vacuum steam heating apparatus a pressure regulator having an adjustable weight, means for automatically adjusting the position of the weight, a pump for maintaining the vacuum, and a cutout for the pump arranged to be operated by the adjustable weight to cut the pump out of operation when the weight is adjusted to its position for minimum or no supply.

2,083,069

KNIFE GRINDER

Wallace E. Jones and James D. Taylor, Spartanburg, S. C., assignors to Taylor-Colquitt Co., Spartanburg, S. C., a corporation of South Carolina

Application January 2, 1936, Serial No. 57,303

10 Claims. (Cl. 51—249)

1. A grinder for sharpening planer knives or the like comprising a relatively fixed supporting frame, a carriage movably connected to the frame, a drive shaft associated with the carriage and movable axially therewith, a grinding wheel keyed to said shaft, means for rotating said shaft, means for simultaneously moving the carriage, drive shaft and grinding wheel axially relative to the frame, spaced vertically disposed housing members connected to the carriage and movable

the plunger and having a flange located between the receptacle flange and the cover and retained against the receptacle flange by the cover, packing about the plunger, and means for compressing said packing against the guide member.

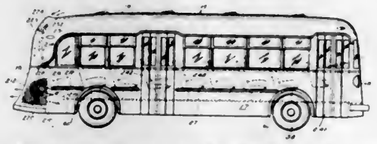
2,083,059

MOTOR VEHICLE AND VEHICLE POWER AND DRIVE MECHANISM

William B. Fageol, Kent, Ohio, assignor to Twin Coach Company, Kent, Ohio, a corporation of Delaware

Application June 5, 1934, Serial No. 729,115

6 Claims. (Cl. 180—54)



1. A passenger carrying vehicle comprising a body, a power plant including an internal combustion engine, a dust tight housing for said engine within said body, a radiator for cooling said engine, means to convey air through said radiator to said housing, a wall of said body provided with an opening in communication with said air conveying means whereby air is withdrawn from the interior of said body.

2,083,060

SADDLE AND METHOD OF MAKING SAME

Roland W. Faulhaber, Elyria, Ohio, assignor to The Troxel Mfg. Company, Elyria, Ohio, a corporation of Ohio

Application October 31, 1935, Serial No. 47,649

6 Claims. (Cl. 208—15)

3. In a cycle or like saddle, a frame having a sheet metal peripheral edge provided with a series of perforations generally parallel to the edge, a cover of flexible sheet material superposed on the frame having an edge adjacent the frame peripheral edge, a finish strip of flexible material embracing the edges of the frame and cover and stitching passing through the finish strip and the cover and through the said perforations to secure the cover and strip to the frame, and the perforations being large enough to cause the sheet material of the cover on one side of the frame and the finished strip on the other side of the frame to be drawn into the perforations by the stitching.

2,083,061

PRINTING MACHINE

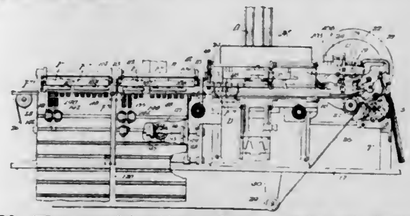
Walter T. Gollwitzer, Cleveland, Ohio, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application July 8, 1931, Serial No. 549,347

Renewed July 29, 1935

42 Claims. (Cl. 101—58)

1. In a printing machine, printing means for making an impression on a sheet, a mutable printing mechanism for making another impression on the sheet, feed tapes for moving a sheet through said printing means and said printing mechanism, and means operable with the printing means for timing the operation of the printing mechanism.



39. The combination of two series of devices, the devices in each series being supposedly arranged in the same predetermined order, corresponding indicia on the corresponding members of the two series, means to feed the members of both series one at a time, and means actuated upon a disagreement of the indicia to stop the feeding operation of both series.

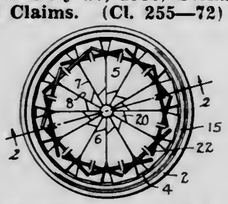
2,083,062

CORE CATCHER

Harry D. Hampton, Houston, Tex., assignor to Cameron Iron Works, Houston, Tex., a corporation

Application January 27, 1936, Serial No. 61,040

8 Claims. (Cl. 255—72)



1. A core catcher including a body, a plurality of inwardly projecting spaced lugs on the lower side thereof, a wire ring supported by said lugs, a plurality of catcher fingers pivoted on said ring to fall inwardly and cooperate with each other to form a closure for said body, each of said fingers having forwardly tapered edges so that all of said fingers substantially meet adjacent the center.

2,083,063

RESINOUS COMPOSITIONS

Norman D. Hanson, Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application April 6, 1935, Serial No. 15,136

7 Claims. (Cl. 106—22)

1. A resinous composition comprising a heat-hardenable phenol-aldehyde condensation product, a chlorinated naphthalene and a triaryl phosphate in amount sufficient to prevent separation of the chlorinated naphthalene.

2,083,064

HELICOPTER

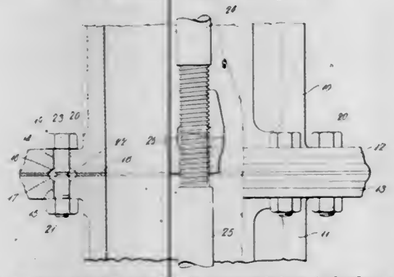
John E. Hess, Jr., New Westminster, British Columbia, Canada

Application October 15, 1935, Serial No. 45,007

3 Claims. (Cl. 244—6)

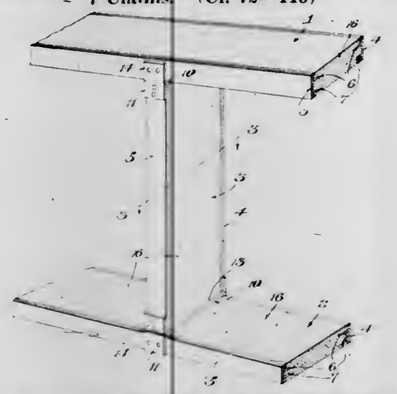
1. A helicopter having a pair of transversely arranged lifting propellers, a supporting wing mounted transversely beyond the slip stream of each propeller, said supporting wings consisting

2,083,054
FIRE HYDRANT
Earl E. Cline, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application May 20, 1936, Serial No. 80,874
2 Claims. (Cl. 285—139)



1. A fire hydrant stock comprising tubular portions disposed in end to end relation, the adjacent ends of said portions having peripheral flanges with registering apertures, and connecting means for said portions comprising bolts in said apertures, each of said bolts being externally reduced in a transaxial plane between the flanges and each having an axial bore which extends through the zone of the groove, said apertures closely surrounding the end portions of the bolts but being enlarged adjacent the reduced portions of the bolts.

2,083,055
COMPOSITE STUDDING
Edwin D. Coddington, Milwaukee, Wis., assignor to Reynolds Corporation, New York, N. Y., a corporation of Delaware
Application September 3, 1935, Serial No. 39,029
7 Claims. (Cl. 72—115)



5. In combination with a composite sheet metal and cementitious stud, an end member for a stud comprising two opposed U-shaped members, said members being attached one to another at their closed sides, and the legs of each of said U-shaped members telescoping over sections of the stud for attachment thereto.

2,083,056
CLOSURE FOR KNOCK-OUT HOLES
Leroy M. Cox, Anaheim, Calif.
Application April 20, 1936, Serial No. 75,387
2 Claims. (Cl. 247—26)

1. In a device of the class described, in combination with a wall having an opening, a closing member comprising a first portion of larger dimensions than the opening engaging one surface of the wall adjacent the opening, a raised second portion of substantially lesser dimensions than the opening, integral with the first portion



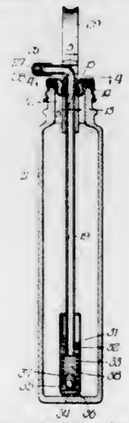
and for insertion within the opening, resilient radial means attached to the second portion and engaging the other surface of the wall adjacent the opening.

2,083,057
TOWING OF VEHICLES
Leslie Bennet Craigie Cunningham, Eastchurch, Sheppey, England, assignor to Reversible Trailers Syndicate, Limited, London, England
Application May 11, 1936, Serial No. 79,160
In Great Britain October 25, 1934
12 Claims. (Cl. 280—33.55)



1. A towed vehicle having wheels secured to an axle and comprising a member for connection between it and a towing vehicle adapted to restrict the motion of the one vehicle towards the other, means on said member adapted to permit pivotal motion in a horizontal plane between it and the towing vehicle, and a pivotal connection between the said member and the towed vehicle permitting motion of the later with respect to the towing vehicle about a vertical axis in the rear of the axle of the towed vehicle when the vehicles are moving in reverse, and locking means for precluding motion of the towed vehicle about such point when the vehicles are moving forward.

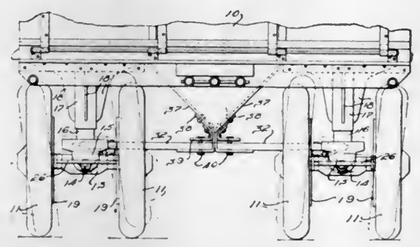
2,083,058
SPRAYING DEVICE
André de Weal, Chicago, Ill., assignor to Leakproof Sprayer Co., Chicago, Ill., a corporation of Illinois
Application October 20, 1932, Serial No. 638,661
4 Claims. (Cl. 299—97)



2. In a spraying device, in combination with a receptacle having an opening therein, a flange around said opening, a perforate cover secured to said flange, a pump located within the receptacle, a pump plunger extending through the perforation, a guide member having a sleeve fitting about

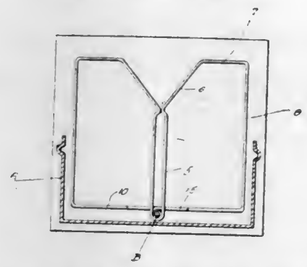
a ball tipped arm, a stationary member provided with a ball tipped arm and a motivated member comprising a link socketed to receive said ball tips, and extending therebetween, one of said sockets in the link being provided with an inset spring.

2,083,049
TRAILER
Kenneth M. Byron, Detroit, Mich.
Application October 4, 1934, Serial No. 746,818
8 Claims. (Cl. 280—81)



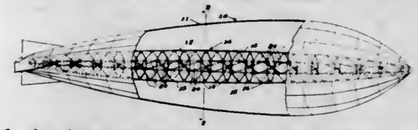
7. A vehicle comprising a frame, a pair of wheels at each side of the frame, means supporting each pair of wheels so as to permit turning thereof in a horizontal plane, and also vertical movement thereof together with respect to the frame, an arm pivotally and operatively connected at one end to each pair of wheels for pivotal movement in a vertical plane, and means for pivotally mounting the other end of the arm on the frame.

2,083,050
FILING DEVICE
Coleman R. Chamberlin and Willis S. Chamberlin, New York, N. Y.
Application November 22, 1935, Serial No. 51,146
2 Claims. (Cl. 129—16)



2. A device of the class described comprising a substantially U-shaped frame adapted to be disposed in a horizontal position and a substantially inverted U-shaped frame connected to the ends of the first-mentioned frame and rising therefrom and having its intermediate portion extending downwardly in an elongated loop terminating below the plane of the horizontal frame, a third frame extending from the cross portion of the first-mentioned frame to the downwardly extending portion of the second-mentioned frame, the center of the cross portion of the first-mentioned frame being formed with an eye so that the removable rod of a filing drawer may be extended through the eye and the lower portion of the elongated loop.

2,083,051
AIRSHIP
Steven J. Chapas, Boston, Mass.
Application September 26, 1936, Serial No. 102,720
3 Claims. (Cl. 244—125)

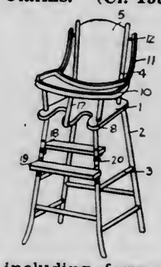


1. An interior structure for an airship comprising a plurality of longitudinal girders spaced apart, a plurality of transverse girders spaced apart and attached to said longitudinal girders, and a plurality of braces, each said brace extending from one said longitudinal girder at a point spaced from the nearest said transverse girders across said interior structure to another said longitudinal girder, being attached to said latter-mentioned longitudinal girder at a point spaced from the nearest said transverse girders.

2,083,052
DENTAL ALLOY AND METHOD OF MAKING SAME
Edward L. Chott, Riverside, Ill.
No Drawing. Application April 24, 1935, Serial No. 17,931
3 Claims. (Cl. 75—173)

1. A comminuted ternary alloy for dental amalgams composed of from 71% to 78% silver and from 21% to 28% tin and 1% zinc and which has and will maintain its natural color and appearance, which will not have an excessive amount of expansion on setting; and which is uncontaminated due to maintenance thereof out of contact with the atmosphere during its melting, chipping, crushing and annealing steps.

2,083,053
CHAIR
Charles H. Collins, Houston, Tex., assignor of one-fourth to Hyman E. Finger, Harris County, Tex.
Application February 18, 1935, Serial No. 6,921
2 Claims. (Cl. 155—126)



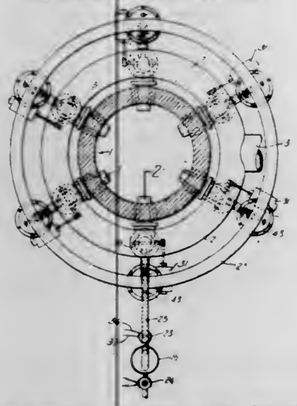
1. A chair including forward legs and rearward legs, a back, a seat, a table in front of said seat, and a plurality of vertically spaced foot rests on said forward legs below said seat, the upper of said foot rests being extended rearwardly of said legs and the lower rest being extended forwardly thereof, said seat having a pair of recesses cut deeply therein on the forward side, the rearward sides of said recesses being spaced a substantial distance behind said forward legs to permit a child seated thereon to extend its legs through said recesses to rest upon one of said foot rests depending upon the size of said child.

2,083,046

METHOD OF AND APPARATUS FOR AUTOMATICALLY DISTRIBUTING AIR BLAST TO ORE SMELTING FURNACES

John H. Q. Burke, Oklahoma City, Okla.

Application April 19, 1935, Serial No. 17,231
14 Claims. (Cl. 266—30)



1. In apparatus of the class described, the combination with the usual bustle-pipe, leg pipes and tuyères of a blast furnace, of a perforated plate member carried by each leg-pipe for reducing a portion of its bore, a valve carried by each leg-pipe at the outlet side of said member, means for actuating said valves independently, and automatic means to maintain substantially an equal air pressure within all leg-pipes at said reducing members.

7. The method of removing obstructions from air blast furnaces which consists of: normally maintaining and distributing from a common supply an equal volume distribution of air blast to all air inlets of the furnace regardless of the blast pressure; increasing the amount of air delivered to an obstructed inlet when the obstruction occurs; and, simultaneously decreasing air delivery to the other inlets, until an equal amount of air is being delivered to all inlets, including the obstructed one.

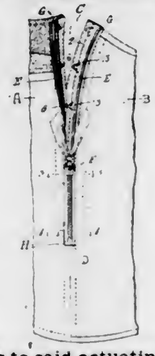
2,083,047

GARMENT CLOSURE

Abe Meyer Butow, New York, N. Y., assignor of one-half to Artistic Foundations, Inc., New York, N. Y., a corporation of New York, and one-half to Aladar Seidner, New York, N. Y.

Application July 29, 1936, Serial No. 93,146
1 Claim. (Cl. 2—38)

In a garment having an opening extending from one edge to an intermediate point in the length of the garment, the combination with a slide operated fastener including sets of fastener elements each mounted on a fabric strip which is secured on one edge of said opening to interlock with fastener elements on the other edge of said opening, and an actuating slide to interlock and disengage said sets of fastener elements, of an auxiliary fastener comprising a continuous tape of substantially non-stretchable fabric including superposed plies secured to the inner side of each edge portion of said garment opening and extending throughout the length thereof and having substantially uniform inherent flexibility and resistance to wrinkling throughout its length, reenforcing stitches at the inner end of said opening passing through both of said tapes, the garment and said fabric strips of the slide operated fastener, and complemental fastener members secured directly on and spaced longitudinally of said tapes between the plies of the tape for connecting said garment edge portions together, each of said tapes of fabric having one longitudinal edge secured to the respective edge portion of the garment and the corresponding fabric strip of the fastener elements throughout the length thereof and one of said tapes having the other edge free and underlying the other garment edge portion, the fastener members being offset from said actuating slide laterally of the closure, and the ply of said tape adjacent said fastener elements being free from projections on its surface



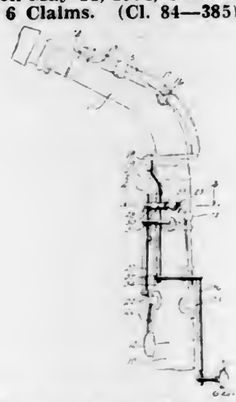
that is contiguous to said actuating slide, whereby said garment edge portions can be connected together by said fastener members prior to closing of said slide operated fastener so as to facilitate interlocking of said fastener elements and prevent catching or jamming of said actuating slide on said fastener elements or said auxiliary fastener, and said auxiliary fastener tapes reenforce said strips of the slide operated fastener and the edge portions of said garment opening against strains incident to closing of the slide operated fastener and hold the complemental auxiliary fastener members in properly opposed alined relation to each other.

2,083,048

VALVE ACTION MECHANISM FOR WIND INSTRUMENTS

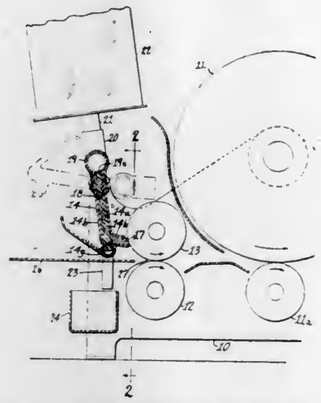
Charles E. Bryant, Elkhorn, Wis., assignor to Frank Holton and Company, Elkhorn, Wis., a corporation of Wisconsin

Application May 14, 1934, Serial No. 725,543
6 Claims. (Cl. 84—385)



1. An action mechanism for a musical instrument including a motivating lever provided with

ing device embodying an applicator adapted to engage with said sheet under pressure, a bibulous material in engagement with said applicator, a second body of bibulous material angularly disposed relative to said first bibulous



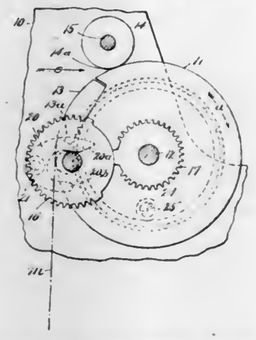
material and in engagement therewith, said second bibulous material having a portion depending below the lowest point of said first material with means to supply said second bibulous material with moisture.

2,083,043

REVERSE MOTION STOP FOR DUPLICATORS

Frederick W. Storck, Arlington, Mass., assignor to Standard Mailing Machines Company, Everett, Mass., a corporation of Massachusetts

Application May 12, 1936, Serial No. 79,296
4 Claims. (Cl. 101—132)



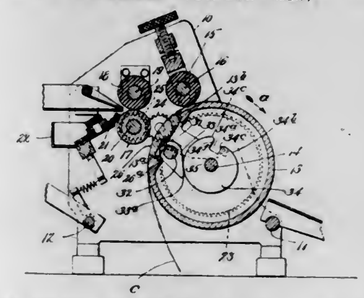
1. A rotary duplicator having a printing platen with means for securing a master copy thereto and means for rotating said platen in converse directions with a determinate positioned dwell period in its cycle of rotation, a substantially U-shaped lever pivotally secured relative to the end of said platen, the opposed arms of said lever being of unequal length, a limiting member disposed between said arms to limit the pivotal movement of said lever, a projection associated with said platen and rotated therewith in an engaging path relative to one arm of said lever that is normally disposed in the path of said projection and in a manner whereby said arm is displaced, when said platen is rotated in its normal operative direction, and said arm is operatively engaged between said limiting members and said projection when said platen is conversely rotated, and whereby rotative movement of said platen is arrested in a second determinate position.

2,083,044

COMBINED CLAMP RELEASE AND MOTION STOP FOR DUPLICATORS

Frederick W. Storck, Arlington, Mass., assignor to Standard Mailing Machines Company, Everett, Mass., a corporation of Massachusetts

Application July 2, 1936, Serial No. 88,568
5 Claims. (Cl. 101—132)



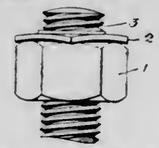
1. A rotary duplicator of the character described having a rotatable printing platen and means for rotating said platen in opposite directions, a yielding clamp member for securing a master copy sheet to said platen, an extension associated with said clamp and positioned within said platen, an element within said platen which is adapted to engage with said extension, a fixed member disposed within said platen and in the path of said element with means associated with said member whereby said element engages therewith to simultaneously open said clamp and arrest rotative movement of said platen at a determinate point only when said platen is rotated in one direction.

2,083,045

LOCKING DEVICE FOR NUTS

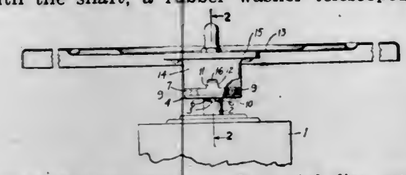
Baptiste Vaurs, Paris, France, assignor to Societe de Boulonnerie et de Matricage de Precision, Paris, France

Application October 17, 1934, Serial No. 748,723
In France April 20, 1934
2 Claims. (Cl. 151—30)



1. A device for locking nuts upon a bolt, said device comprising an elastic metal washer, the peripheral and central portions of the washer being of greater rigidity than the intermediate portion, the base of said washer being dome-shaped for engagement with the adjacent face of a nut to be locked, said central portion of the washer being provided with a hole the axis of which has a slight inclination to the base plane of the said washer, said hole being provided with a continuous unbroken thread for threaded engagement with the threads of a bolt carrying the nut to be locked.

having a hub telescoped over the shaft, a support and drive for the hub comprising a pin extending through the shaft, a metal disc telescoped on the shaft resting on the pin, a tooth on the disc engaged by the pin to rotate the disc with the shaft, a rubber washer telescoped on



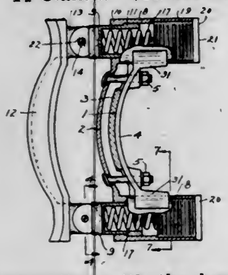
the shaft and resting on the metal disc, mutual inter-engaging means on the disc and washer whereby the washer will be rotated with the disc, the hub resting on the rubber washer, a pair of opposite toothed recesses in the hub and a pair of rubber teeth integral with the rubber washer projecting into the toothed recesses.

2,083,038

SHOCK ABSORBING BUMPER

Harry Schreiber, Detroit, Mich.

Application June 19, 1936, Serial No. 86,086
14 Claims. (Cl. 293—55)



1. In combination with the bumper bar of a motor vehicle, a shock absorbing bumper comprising a bracket secured thereto, guides formed at the ends of said bracket, a plunger slidably mounted on each guide, a shock bar crossing said bumper bar and joined to said plungers, spring means tending to move said bar away from said bracket and guides, and co-operating stops provided on said guides and plungers.

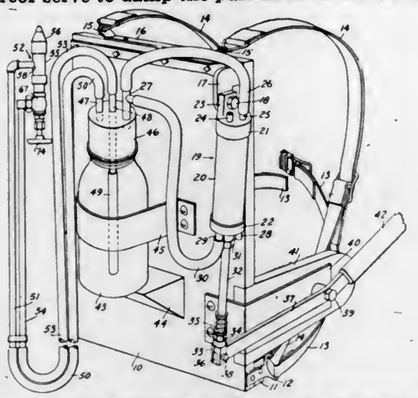
2,083,039

SPRAYING APPARATUS

Edward M. Searls, Madison, Wis.

Application January 13, 1936, Serial No. 58,837
4 Claims. (Cl. 299—96)

1. An atomizing and spraying apparatus comprising a support adapted to be mounted on the back of the operator, a pump on said support, a liquid container on said support, an atomizing and spraying nozzle, an air-conducting conduit connected to said pump and arranged to discharge air into the space above the liquid in said liquid container, a liquid-conducting conduit with one end opening beneath the level of said liquid and the other end connected to said nozzle, and a separate air-conducting conduit connecting the space above the level of the liquid in said container with said atomizing and spraying nozzle, the said air-conducting conduit from said pump to said container having a separate connection thereto from said air-conducting conduit connecting said container with said nozzle, whereby the air space above the level of the liquid in said container and the said separate connections thereof serve to damp the pulsations of the pump



and to promote the even flow and atomization of the fluid at low pressures.

2,083,040

COATED LEATHER

Ralph C. Shuey, Mountain Lakes, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 6, 1931, Serial No. 573,526. Renewed February 14, 1936
14 Claims. (Cl. 91—68)

1. Coated leather of the patent leather type comprising in combination a leather base and a coating applied to said base containing a drying oil and a modifying agent soluble in said oil and comprising a resinous reaction product of a phenol with an aldehyde, said agent imparting to the dried coating flexibility and distensibility characterizing a dried oil coating without a resinous content but superior thereto in a retention of flexibility and distensibility upon aging.

2,083,041

MANUFACTURE OF ARTIFICIAL FILAMENTS

Johann Joseph Stoeckly and Richard Bartunek, Teltow, near Berlin, Germany, assignors to North American Rayon Corporation, a corporation of Delaware

No Drawing. Application April 1, 1933, Serial No. 664,027. In Germany July 4, 1932
1 Claim. (Cl. 106—40)

In the process of producing dull-lustre filaments the step of adding to a viscose spinning solution prior to extrusion a mixture consisting of 1.5 parts of zirconium oxide, 6 parts of paraffin oil and 3 parts of pine oil in such amount that the final spinning solution contains about 1.5% of zirconium oxide calculated on the weight of cellulose in said spinning solution.

2,083,042

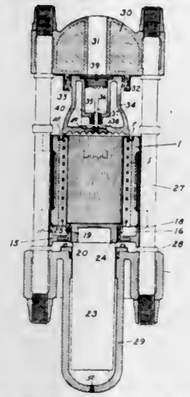
SHEET MOISTENING DEVICE FOR DUPLICATORS

Frederick W. Storck, Arlington, Mass., assignor to Standard Mailing Machines Company, Everett, Mass., a corporation of Massachusetts

Application January 13, 1936, Serial No. 58,803
7 Claims. (Cl. 101—132)

1. In a machine of the character described for duplicating from a master copy sheet; a moisten-

ram head traversable across the path of operation of said main ram, said ram head having an aperture centrally thereof and a hydraulic piston and cylinder assembly therein, a tamper connected to said piston and countersunk in said ram



head aperture whereby during one operation of the device the tamper contacts the material in the press chamber independent of the ram head and during another operation of the device coacts with the ram head for mutual engagement with the material in the chamber.

2,083,033

RED AND YELLOW GLAZE COMPOSITIONS

Andrew Malinovszky, South Gate, and Albert L. Bennett, Glendale, Calif., assignors to Malinite Corporation, Los Angeles, Calif., a corporation of California

No Drawing. Application September 7, 1935, Serial No. 39,622
8 Claims. (Cl. 106—36.2)

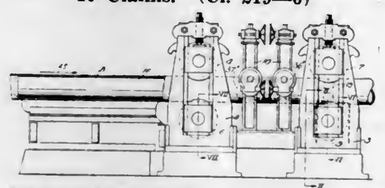
1. A ceramic frit for use with selenium and cadmium stains on ceramic bodies, capable of developing brilliant red, scarlet and orange colors at maturing temperatures below about 2000° F., said frit containing from about 7.5% to 30% of B_2O_3, about 7.5% to 25% of PbO, about 5% to 12% of Na_2O, not more than about 10% of Al_2O_3, not more than about 3% of F_2, the balance being composed principally of silica and the frit being practically free from tin.

2,083,034

APPARATUS FOR WELDING

Earnest W. Mishler, Youngstown, Ohio, assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio, a corporation of Ohio

Application December 4, 1930, Serial No. 499,991
10 Claims. (Cl. 219—6)



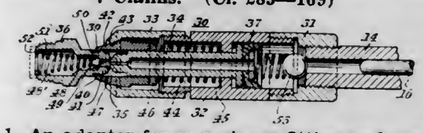
1. Apparatus for welding together the edges of a longitudinal seam cleft in a formed tube blank comprising blank feeding means, means for progressively inducing welding current flowing circumferentially of the blank and across the cleft, said feeding means including a roll having separate insulated portions engaging opposite edges of the blank and an insulated fin entering the cleft therebetween, to prevent shunting of the induced welding current.

2,083,035

LUBRICATING DEVICE

Gerald S. Rogers, Pittsburgh, Pa.

Application November 14, 1934, Serial No. 752,951
7 Claims. (Cl. 285—169)



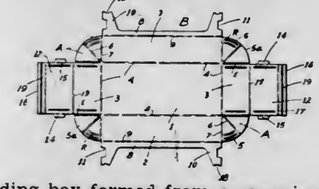
1. An adapter for engaging a fitting end, comprising a cylindrical body with a bore therethrough, gripping jaws mounted adjacent one end of the body and movable radially thereof, a tube lying in said bore with the one end between said jaws and slidable axially thereof, an abutment extending inwardly from said body into said bore, a spring compressed between said abutment and said jaws, and means exerting radial pressure on the jaws on retraction of the body.

2,083,036

FOLDING BOX

Henry G. Schmidt, Modesto, Calif.

Application September 16, 1935, Serial No. 40,801
In Canada September 15, 1934
1 Claim. (Cl. 229—34)



A folding box formed from a one-piece bendable blank cut to form bottom, side and end walls, means integral with the blank and connecting the adjacent side and end walls in a manner to enable said walls to be disposed in vertical cooperating relation with each other or to lie in flat folded relation to the bottom wall, flaps formed with the end walls as extensions along the top edges thereof and adapted to be folded over into the box after the side and end walls have been vertically disposed and enclosing the connecting means thereof to prevent folding movement of the walls, elements formed with the side walls adjacent their ends and depending into the box in contact with the sides, additional flaps extending across the free end of the first named flaps and adapted, when the latter are folded into the box, to lie on the bottom of the same, and an upstanding rib along each additional flap, the lower edges of the corresponding elements being notched to receive the ends of the rib.

2,083,037

PHONOGRAPH TURNTABLE DRIVE

William A. Schmittgen, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio

Application November 27, 1935, Serial No. 51,878
4 Claims. (Cl. 274—39)

1. In a phonograph mechanism of the type comprising a vertical drive shaft and a turntable

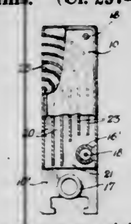
ing a main set of knitting cams, an auxiliary set of knitting cams, means to feed yarns at said two sets of knitting cams respectively, means to knit the heel by narrowing and widening, means to knit the suture seams of the foot at two different levels for each seam, and means to knit into the stocking the float thread formed when the position of such a suture seam is shifted.

2,083,028
RADIATOR

Allen P. Livar, Montclair, N. J., assignor, by direct and mesne assignments, of one-half to Richmond Radiator Company, New York, N. Y., a corporation of Delaware and one-half to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Continuation of application Serial No. 655,235, February 4, 1933. This application October 14, 1935, Serial No. 44,837

13 Claims. (Cl. 257—151)



1. A heat exchanger comprising a plurality of cast sections each having a relatively narrow and elongated chamber for heated fluid, said sections connected together for circulation of fluid through the sections in succession, and edge and internal fins projecting from each section toward an adjacent section and together forming walls of vertically extending laterally closed elongated open-ended flues of substantial length, said internal fins having portions curved to cause said air to be discharged forwardly in a horizontal direction, and said edge fins forming outer surfaces for the exchanger simulating a cabinet which surfaces are uninterrupted except for a grille formed by the open ends of the curved portions of said flues in the front of the simulated cabinet.

2,083,029
HANDBAG

Edward Lowy, Brighton Beach, Brooklyn, N. Y.

Application April 15, 1937, Serial No. 136,976

8 Claims. (Cl. 150—33)



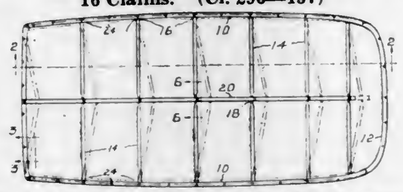
1. A handbag having a frame and bag body adapted to be assembled without change in construction, including a bag body, inverted U-shaped frame members each having a top handle bar and end arms, the frame members being pivotally interconnected at the lower ends of said arms and the arms of each frame member having opposed openings intermediate of the pivot ends and handle bar and being resilient so that the spacing between said openings can be varied for releasably engaging the ends of a rod, rods having their ends releasably engaged in said openings, the bag body having an opening and tubular portions along the edges of said opening, the tubular portions being sleeved on said rods to support the bag body and open and close the same upon relative movement of the frame members about their pivots, whereby the finished bag and frame can be assembled by inserting the rods through the tubular portions and snapping the rods into engagement with the frame members.

2,083,030
AUTOMOBILE HEADLINING

John H. Mackay, Detroit, Mich.

Application April 24, 1936, Serial No. 76,104

16 Claims. (Cl. 296—137)



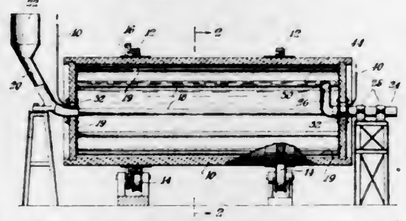
1. A vehicle body having a headlining support provided with a recess extending along each side of the body, a headlining frame provided with side rails spaced apart by hinged bows swingable to permit relative movement of the side rails toward each other or spreading apart thereof, a headlining carried by said frame, said rails adapted to seat within said recesses in the support when the rails are spread apart.

2,083,031
METHOD OF PRECIPITATING METALS

Francis W. Maclennan, Miami, Ariz., assignor to Miami Copper Company, Miami, Ariz., a corporation of Delaware

Application August 9, 1934, Serial No. 739,098

4 Claims. (Cl. 75—109)



1. The method of precipitating copper from its solution in the liquid of an ore pulp which comprises continuously passing said ore pulp together with shredded iron through a rotating drum, and maintaining the liquid level in said drum above the center of the drum, and so controlling the rate of feed of the shredded iron in relation to the rate of feed of the pulp that the amount of iron is held at substantially constant volume within the drum.

2,083,032
FLUID PRESSURE OPERATED CURB PRESS

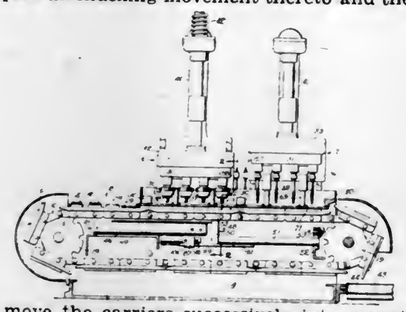
Howard F. MacMillin, Mount Gilead, and Leslie S. Hubbert, Edison, Ohio, assignors, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware

Application October 10, 1932, Serial No. 637,110

2 Claims. (Cl. 100—50)

1. A press comprising a press chamber open at both ends, a main ram operable therewithin, a

able directly with the links of said conveyer to impart an indexing movement thereto and there-



by move the carriers successively into operative relation with the tools carried by said tool head.

2,083,024
ZIRCONIUM OPACIFYING PIGMENT AND METHOD OF MAKING

Charles J. Kinzie, John A. Plunkett, and Charles H. Commons, Jr., Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 6, 1934, Serial No. 729,232

13 Claims. (Cl. 106—36.2)

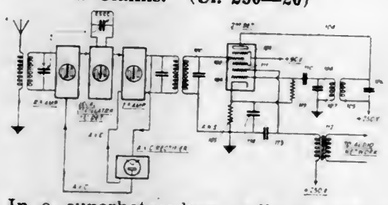
1. The method of making a composite opacifying pigment consisting of a stable, readily-powdered, crystalline complex silicate containing zirconium oxide from 30% to 40%, which comprises heating a charge composed preponderatingly of zirconium silicate, lesser amounts of a compound of one element of the R_2O_3 group, two elements of the RO_2 group, one of which is zirconium oxide ranging from 30–40%, and a compound of at least one element of the RO group to substantially mutual decomposition and chemical reaction of the constituents of the charge to form a stable and readily pulverizable non-metallic crystalline complex silicate bonded with a glass matrix, and milling the resulting product.

2,083,025
AUTOMATIC GAIN CONTROL CIRCUIT

Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Original application July 6, 1934, Serial No. 733,987. Divided and this application November 30, 1935, Serial No. 52,327

2 Claims. (Cl. 250—20)



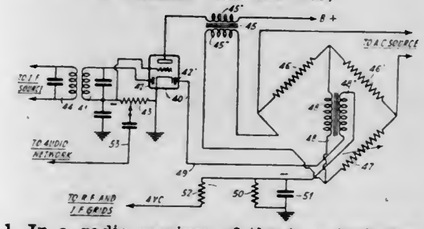
1. In a superheterodyne radio receiver provided with an automatic volume control circuit, a second detector, the detector comprising a tube provided with a plate and a cathode, a signal coupling network between the plate of the second detector and a grid electrode for impressing alternating current energy of signal frequency upon the grid, a second grid within said tube connected to the signal input circuit of the second detector, a third grid within the tube coupled to an audio network, and a resistor in the cathode circuit of the tube connected to the signal input grid, said resistor having a magnitude such that the bias of the signal input grid becomes increasingly positive when signals are impressed upon the first named grid within the tube.

2,083,026
AUTOMATIC GAIN CONTROL CIRCUIT

Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Original application July 6, 1934, Serial No. 733,987. Divided and this application November 30, 1935, Serial No. 52,328

3 Claims. (Cl. 250—20)



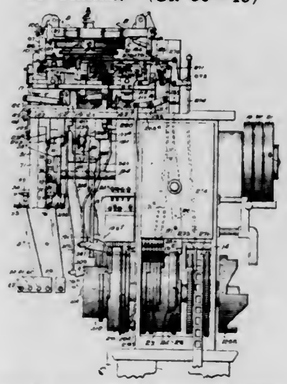
1. In a radio receiver of the type including a signal transmission network feeding a signal detector, an automatic volume control arrangement for the receiver comprising a bridge network, a source of alternating current coupled between a pair of conjugate points of said bridge, and alternating current rectifier circuit coupled to the two remaining conjugate points of the bridge, said rectifier circuit including means for developing a direct current voltage from alternating current appearing between said remaining two points when the bridge is unbalanced, means for impressing said direct current voltage upon said transmission network as a gain control bias, an electron discharge tube having its input electrodes connected to said signal detector in such a manner that the plate-impedance of the tube varies in response to variations in magnitude of the received signals, and said plate-impedance being included as one arm of said bridge.

2,083,027
KNITTING MACHINE

Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

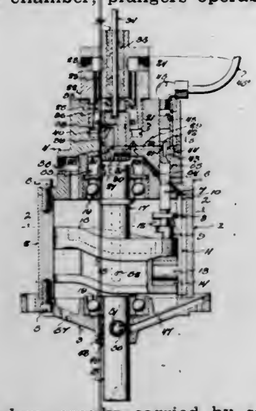
Application March 29, 1930, Serial No. 439,976

15 Claims. (Cl. 66—43)



1. A circular, split work knitting machine hav-

and provided with inlet and outlet ports, said inlet ports communicating with said distributing chamber, a valve for metering fuel to said distributing chamber, plungers operable in said



pump cylinders, cranks carried by said plungers, a concentric rotary member provided with independent cam faces for respectively reciprocating said plungers and actuating said cranks to oscillate said plungers.

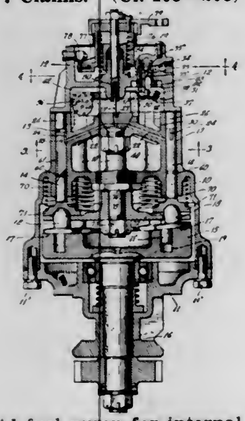
2,083,021

FUEL FEEDING SYSTEM

Carl F. High, Flint, Mich.

Application January 2, 1934, Serial No. 704,933

7 Claims. (Cl. 103—203)



1. A liquid fuel pump for internal combustion engines having, in combination, a casing having a plurality of vertically positioned circumferentially spaced cylinders, a fuel chamber therein adjacent the upper ends of said cylinders, and external ventilating openings intermediate the cylinders and under the fuel chamber, pistons in said cylinders, operating mechanism for said pistons in the lower portion of the casing beneath said ventilating openings, a fuel inlet to said chamber adjacent the upper end thereof, means for directing incoming fuel from said inlet along the surface of the fluid in the fuel chamber so as to permit any gas bubbles in the incoming fuel to pass directly into the upper portion of the chamber, means for conducting fuel from said chamber to the pump cylinders including an orifice positioned in the lower portion of the chamber, a screen in said chamber intermediate the inlet and orifice for diverting gas bubbles in the fuel away from the orifice toward the upper portion of the chamber, and means for venting the upper portion of the fuel chamber comprising a passage in said casing, a valve for controlling said passage, a lever in said chamber for operating said valve, and a float secured to said lever and positioned on the orifice side of said screen.

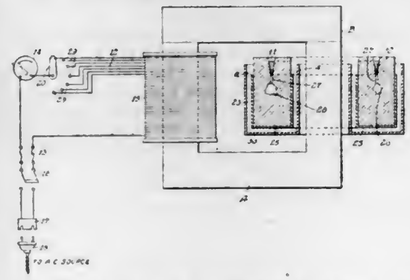
2,083,022

METHOD OF CASTING METALS BY ELECTROMAGNETIC FORCES AND APPARATUS THEREFOR

Walter W. Hoke, Forest Hills, N. Y., assignor to Westcott Electric Casting Corporation, New York, N. Y., a corporation of New York

Application September 29, 1933, Serial No. 691,479

36 Claims. (Cl. 22—57)



1. In metal casting requiring a casting pressure other than that which can practicably be produced by gravity alone, the step consisting in introducing unidirectional or substantially unidirectional electromagnetic casting forces into the metal causing it to flow into the mold under pressure produced in opposition to the resistance to its entry therein and to forcibly impinge on the surface of the mold under the influence of that pressure.

27. In an apparatus for casting electrically conducting materials, a body having a narrow V-shaped trough formed therein to hold the material to be cast, a mold adapted to communicate by an inlet passage with said trough, and means for producing downward electromagnetic casting forces within the material causing it to flow under pressure through said passage into said mold.

2,083,023

MACHINE TOOL

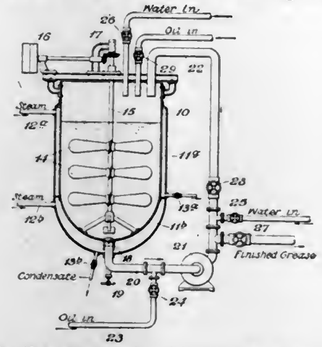
Albert M. Johnson and Walter M. Fairbairn, Rockford, Ill., assignors to Barnes Drill Co., Rockford, Ill., a corporation of Illinois

Application May 13, 1935, Serial No. 21,214

28 Claims. (Cl. 29—26)

1. A machine tool having, in combination, a horizontally disposed elongated base, a work support movable longitudinally of said base and comprising an endless conveyer having links pivotally connected together, sprockets at opposite ends of the base for supporting the chain, work carriers mounted on the links of the conveyer, means on the base providing a slideway for the upper run of the chain and thereby supporting the work carriers, a tool supporting head mounted above the work support for reciprocation toward and from said carriers, indexing means comprising a hydraulic cylinder and piston mounted on said base below the slideway, and means carried by the piston operatively engage-

prises forming the calcium soap in a portion of the lubricating oil required in the grease, heating the soap-oil mixture thus formed to a temperature within the range from about 230° F. to about 250° F., cooling the mixture from a temperature within said range to a temperature at which said mixture changes from a soapy structure to a greasy structure, slowly and gradually adding water to said mixture throughout sub-



stantially the whole of said cooling, said change from a soapy structure to a greasy structure occurring at a temperature lower than said first-mentioned temperature and within the range from about 210° F. to about 225° F., and adding the remainder of the required lubricating oil, the addition of water and oil and being accompanied by constant mixing of the various materials involved.

2,083,016

POWDER COMPACT

Emanuel Hammerling, New York, N. Y.

Application November 7, 1931, Serial No. 573,547

Renewed April 1, 1936

3 Claims. (Cl. 132—82)



1. A powder compact of the character described having a stiff cover hinged to an annular metal frame, of U-shaped cross section, split approximately in the middle of the cover hinge, the ends joined together by a tongue and groove connection and securely held together and in alignment by the hinge plate straddling said tongued and grooved ends and fastened staple-like to the same, said metal frame being adapted to securely support a flexible bag between the flanges of its U-shaped cross-section.

2,083,017

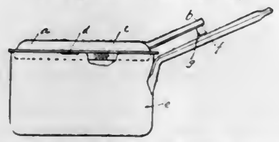
COOKING VESSEL AND LIKE ARTICLE

Alfred William Hayes, Kidderminster, England

Application December 29, 1936, Serial No. 118,103

In Great Britain January 24, 1936

1 Claim. (Cl. 53—8)



An improved cooking vessel comprising in combination, an outer vessel, a handle therefor and a lid fitting into said vessel, a handle on the lid, an opening in the rim of the lid, a pouring lip on the edge of the outer vessel and a depending hook portion on the lid handle to engage with the handle of the vessel when the aforesaid opening and pouring lip register.

2,083,018

QUINONE AZO-DYESTUFFS SOLUBLE IN WATER AND A PROCESS OF PREPARING THEM

Fritz Hess and Karl Hager, Frankfort-on-the-Main-Hochst, and Werner Asch, Frankfort-on-the-Main-Sindlingen, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 23, 1935, Serial No. 55,934. In Germany December 29, 1934

8 Claims. (Cl. 260—56.5)

1. A process of preparing dyestuffs soluble in water which comprises combining with a benzoquinone a diaminoazo dyestuff obtainable by coupling the diazo-compound of an aminobenzene containing at least one sulfonic acid group with a meta-phenylenediamine compound.

2,083,019

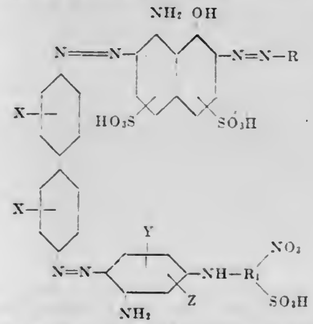
POLYAZO-DYESTUFFS SOLUBLE IN WATER AND PROCESS OF PREPARING THEM

Fritz Hess and Walter Pense, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 6, 1936, Serial No. 57,852. In Germany January 17, 1935

8 Claims. (Cl. 260—74)

5. The polyazo-dyestuffs corresponding with the following general formula:



wherein R and R_1 stand for radicals of the benzene series, the X's for members of the group consisting of hydrogen, chlorine, methyl, methoxy and sulfonic acid groups, Y stands for a member of the group consisting of hydrogen, methyl and sulfonic acid groups and Z for a member of the group consisting of hydrogen and methyl, being brown to black powders, soluble in water, dyeing leather brown to black shades of good fastness properties, especially of good fastness to acids.

2,083,020

FUEL PUMP

Carl F. High, Flint, Mich.

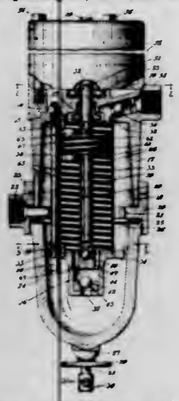
Application June 25, 1931, Serial No. 546,797

Renewed May 9, 1934

5 Claims. (Cl. 103—157)

1. A fuel pump comprising a casing provided with a central fuel distributing chamber and a plurality of pump cylinders concentrically arranged around said fuel distributing chamber,

actuating the plunger at a relatively low speed on its reverse stroke, a clutch bar slidable transversely in said plunger, a cam to shift said bar



into engagement with either of said actuating means, and means at the end of each full stroke to actuate said cam whereby to cause reverse movement of said plunger.

2,083,010
UREA SYNTHESIS

Harald W. de Ropp, Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 22, 1935, Serial No. 51,080

11 Claims. (Cl. 260—125)

1. In a process of synthesizing urea from ammonia and carbon dioxide under urea-forming conditions of pressure and temperature, the step which comprises maintaining the presence of formamide in the urea synthesis melt.

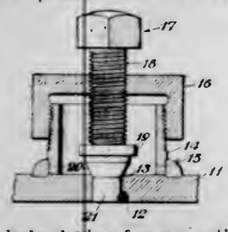
9. In a continuous process of synthesizing urea from ammonia and carbon dioxide under urea-forming conditions of pressure and temperature, the step which comprises continuously adding formamide together with the ammonia to the reaction zone, the amount of formamide added being such that there will be about 7.8 to about 31.2 parts by weight of formamide per 104.5 parts of urea synthesis melt.

2,083,011
TEST HOLE DEVICE

Jesse C. Ducommun, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 31, 1935, Serial No. 56,996

10 Claims. (Cl. 138—36)



1. A test hole device for an article having a wall with a hole therein which comprises an annular member surrounding said hole but spaced therefrom, a removable plug to fit said hole, a stem for said plug and removable means cooperating with said annular member and with said stem for holding said plug in position in said hole.

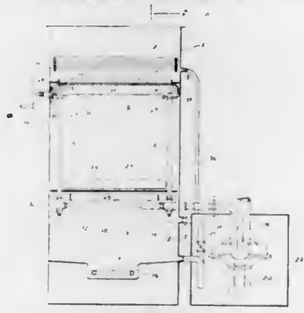
2,083,012
DEGREASING APPARATUS

Robert Anderson Eastwood, Weston, near Runcorn, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

Application February 15, 1935, Serial No. 6,743

In Great Britain February 15, 1934

4 Claims. (Cl. 87—6)



1. Apparatus for degreasing metals and other non-absorbent articles by means of volatile grease solvents which comprises an open top vessel adapted to receive the materials to be degreased, means for supplying solvent vapor to said vessel to establish a vapor degreasing zone therein, condensing surfaces disposed near the top of said zone adapted to condense solvent vapors and to limit thereby the upward extent of said zone, and spraying means for projecting a spray of liquid solvent on the articles to be degreased, said spraying means comprising a plurality of substantially vertical jet pipes rotatable on their longitudinal axis and peripherally disposed within said vessel.

2,083,013
METAL CLEANER

Michael W. Freeman, Detroit, Mich.

No Drawing. Application February 15, 1932, Serial No. 593,208. Renewed February 17, 1934

5 Claims. (Cl. 148—8)

1. A cleaning compound for metal surfaces such as iron or steel, comprising an organic sulphonic acid, water, and a solvent for grease, said compound being substantially devoid of mineral acid and the salts thereof.

2,083,014
METAL TREATMENT

Michael W. Freeman, Detroit, Mich.

No Drawing. Application February 15, 1932 Serial No. 593,209

5 Claims. (Cl. 148—8)

1. The process of pickling metallic surfaces such as iron or steel, consisting in treating the surfaces in a bath of organic sulphonic acid substantially free from mineral acid.

2,083,015
GREASE MANUFACTURE

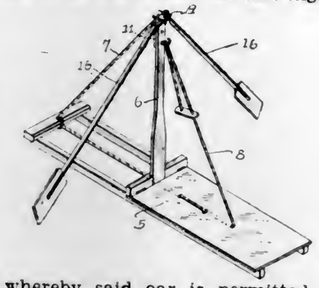
Charles O. Greenlee, Casper, Wyo., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application June 5, 1935, Serial No. 25,011

13 Claims. (Cl. 87—9)

1. A method for the manufacture of a calcium soap grease in an open grease kettle which com-

fastened to said support, and an eye rotatably mounted in an end of said oar and engaging said



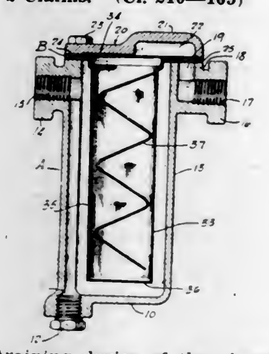
hook whereby said oar is permitted universal movement.

2,083,005
STRAINER

Walter Czarnecki, Eddington, Pa., assignor, by mesne assignments, to Eddington Metal Specialty Co., Eddington, Pa., a firm

Application May 23, 1935, Serial No. 22,973

2 Claims. (Cl. 210—165)



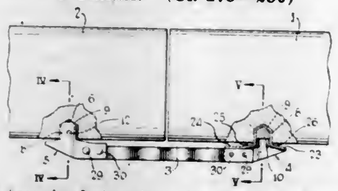
1. In a straining device of the character described, a filter basket having parallel side walls spaced apart a relatively slight distance and joined by end walls to provide a narrow filter basket, and means for preventing collapse of the said basket consisting of a narrow strip of metal of a zigzag formation and having side edges in engagement with the said parallel walls throughout the entire length of said side edges, said zigzag member having bends defining the zigzag formation spaced from the said end walls of the basket.

2,083,006
RAIL BOND

Edward M. Deems, Forest Hills, N. Y., assignor to Railroad Accessories Corporation, New York, N. Y., a corporation of New York

Application July 11, 1934, Serial No. 734,580

3 Claims. (Cl. 173—280)



3. A terminal structure for a rail bond comprising a thimble of relatively plastic metal and integrally formed sheets formed on one side of the thimble for the reception of a conductor and on the other side for fending off a passing body, both upwardly and outwardly, said sheets being substantially tangent to the thimble at substantially their juncture therewith and being depressed and tapered outwardly from the thimble.

2,083,007
POTTING COMPOSITION

Myron E. Delaney, Summit, N. J., assignor to Halowax Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 6, 1929, Serial No. 344,921. Renewed August 23, 1932

5 Claims. (Cl. 106—8)

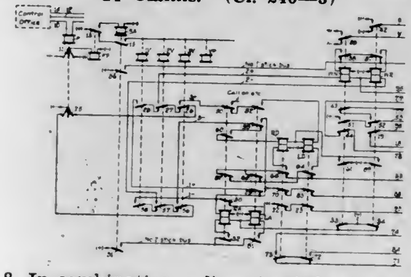
3. A wax-like potting composition comprising a wax-like halogenated polycyclic hydrocarbon, a bitumen and an organic wax having a melting point between 60 and 93° C., the polycyclic hydrocarbon being present in an amount from about 25 to 40 parts, the bitumen being present in an amount from about 20 to 30 parts and the other ingredients being proportioned to provide substantially no shrinkage.

2,083,008
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Darrol F. De Long, Charlotte, N. C., assignor to General Railway Signal Company, Rochester, N. Y.

Application August 29, 1936, Serial No. 98,611

14 Claims. (Cl. 246—3)



8. In combination, a line circuit having a plurality of coded impulses applied thereto, a track switch, a signal for governing traffic over said track switch, a signal circuit for said signal, a switch control relay actuated by one of said coded impulses for governing said track switch, a correspondence relay, means controlled by said coded impulses for selecting said signal circuit, a correspondence relay, means controlled by said track switch and said switch control relay in corresponding positions for completing a pick-up circuit for said correspondence relay, means controlled by said track switch and said correspondence relay for completing a stick circuit for said correspondence relay, and means controlled by said correspondence relay for completing the selected circuit for said signal.

2,083,009
PUMP

Hart E. Delvin, Stanley, N. Y.

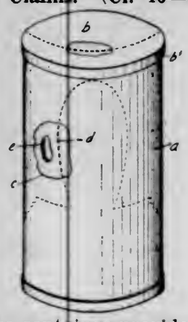
Application March 12, 1934, Serial No. 715,196

8 Claims. (Cl. 103—205)

1. In a pump having a cylinder and a plunger movable reciprocatively therewithin, means for actuating said plunger at a high rate of longitudinal movement in one direction, means for

movement of the operating shank will be limited in their extent by the upper part of the faucet and will be absorbed by the said universal joint, whereby said re-finishing disk will be effectively maintained in proper position upon the valve seat at all times during such oscillative movement.

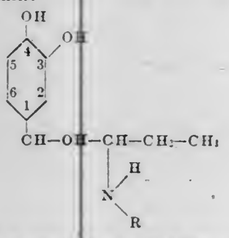
2,083,000
BOXLIKE CONTAINER
Joseph Bennard, Portland, Oreg.
Application May 31, 1935, Serial No. 24,390
5 Claims. (Cl. 46—11)



1. A box-like container provided with a cylindrical side wall and removable ends, the side wall of said container provided with delineating markings to define the body portions of an article of head gear and one of said end members provided with a down turned flange and similar delineating markings to define the brim portion of said article of head gear.

2,083,001
AMINO ALCOHOLS
Max Bockmühl, Gustav Ehrhart and Leonhard Stein, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 17, 1935, Serial No. 22,112. In Germany June 7, 1934
3 Claims. (Cl. 260—128.5)

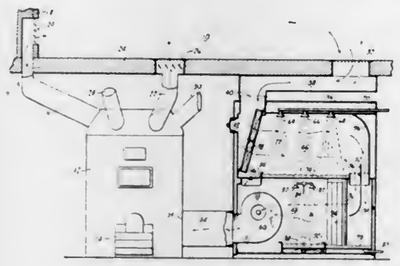
1. As new products amino alcohols of the following formula:



wherein R is a member of the group consisting of a lower alkyl radical and a cyclopentyl radical.

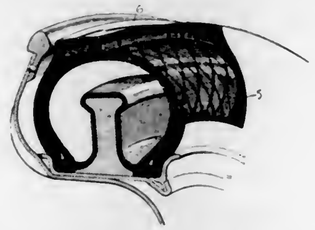
2,083,002
AIR CONDITIONING SYSTEM
Nelson T. Branche, Toledo, and Francis R. Bichowsky, Ottawa Hills, Ohio, assignors to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application November 21, 1935, Serial No. 50,827
3 Claims. (Cl. 183—15)

1. An air conditioning system for conditioning spaces of occupancy adapted to be heated by a pre-existing warm air furnace system comprising in combination therewith, a housing having inlet and outlet openings, upper and lower chambers in said housing in communication with said openings, a filter in the upper chamber arranged to filter all the air passing through the system, means in said upper chamber for contacting air with a hygroscopic liquid spray, a fan in said lower



chamber arranged to effect the movement of air through said system, means for humidifying the air in said lower chamber, and means controllably interconnecting said chambers whereby air drawn through the filter by said fan may pass either directly into the warm air furnace system or may first pass through said drying and humidifying means and then into said furnace system.

2,083,003
PNEUMATIC TIRE AND REENFORCING MATERIAL THEREFOR
Edward G. Budd, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 25, 1934, Serial No. 708,175
4 Claims. (Cl. 152—13)

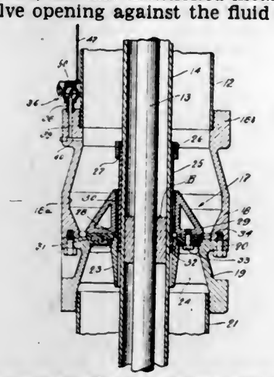


1. A reenforcing webbing for pneumatic rubber tires comprising individual longitudinal flat strands of high tensile metal lying flat in the plane of the webbing, and bound together as individual strands by a weft of organic fiber of low friction characteristic in non-adhering relation to the metal strands.

2,083,004
MEANS FOR PROPELLING A BOAT BY MAN-POWER
Charles Haskell Clark, San Francisco, Calif.
Application December 3, 1934, Serial No. 755,759
2 Claims. (Cl. 9—25)

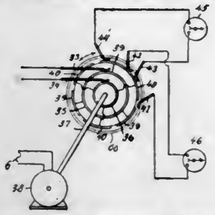
1. Means for propelling a boat comprising, in combination, an oar, an upright support, a hook

liquid standing in the eduction pipe above said valve means, the last mentioned means comprising a valve opening against the fluid pressure in



said pipe, and a valve operating cable extending to the ground surface and connected to the valve to open same.

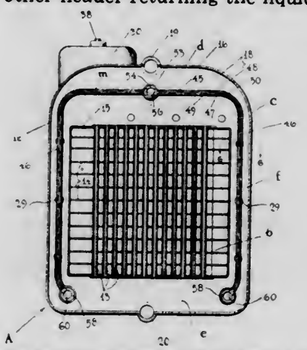
2,082,997
ELECTRICAL ANALYSIS APPARATUS
Theodor Zuschlag, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application March 23, 1934, Serial No. 716,941
13 Claims. (Cl. 175—183)



1. Apparatus for analyzing alternating current which comprises a synchronous motor receiving power from the same source as the alternating current to be analyzed and adapted to rotate in synchronism with the basic harmonic of said current, a synchronous commutator mounted on the shaft of said motor and rotatable at the same speed as the motor, said commutator having two contact rings to which the current to be analyzed is supplied through a circuit including a filter adapted to suppress all but the third harmonic of the current and having three pairs of commutator segments spaced equi-angularly around its periphery with alternate segments connected to the same contact ring, two pairs of brushes movable in unison about the periphery of the commutator, each brush pair being spaced substantially 60° from each other, means for introducing a second alternating current into the commutator through the contact rings and two integrating current indicators connected with respective pairs of brushes and adapted to receive and integrate rectified components of the third harmonic of the current to be analyzed.

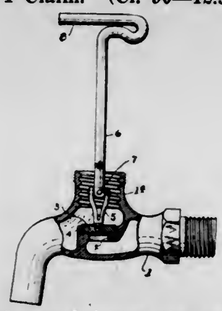
2,082,998
HEATING-COOLING DEVICE FOR AUTOMOBILES
Cecil Porter Abrams, Anoka, Minn., assignor to C. L. Horn, Minneapolis, Minn.
Application June 24, 1935, Serial No. 28,139
12 Claims. (Cl. 257—7)

1. A device for heating and cooling the tonneau compartment of a motor vehicle powered with an internal combustion engine having a liquid circulating system for cooling the same, said device including a heat exchange unit tapped into said system and comprising a heat transferring core, headers therefor and a conduit interconnecting said headers, one header receiving liquid from and the other header returning the liquid to said



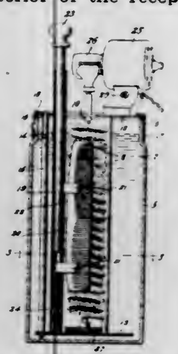
system, means for shutting off the unit from the system and trapping in said unit that part of the liquid of said system contained therein, refrigerating means contained within the header connecting conduit, said means serving to cool the liquid in said conduit, and means for circulating the air of the tonneau compartment through said heat transferring core.

2,082,999
REFINISHING DEVICE FOR FAUCET VALVE SEATS
Jay C. Angel, East Cleveland, Ohio
Application April 28, 1934, Serial No. 723,005
1 Claim. (Cl. 90—12.5)



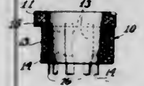
A device for re-finishing the valve seat of a faucet, comprising a lower shaft portion, a refinishing disk attached to the lower end of said lower shaft portion and having an annular refinishing portion upon its under surface, an upper operating shaft portion, a universal joint connection between the lower end of the upper operating shaft portion and the upper end of the lower shaft portion, the point of attachment of the lower shaft portion to the disk being within the inner circumference of said annular refinishing portion, and said universal joint connection being located at a point below the upper end of the faucet when the device occupies operating position, said parts being so constructed and arranged that the device may be given an oscillating movement with the re-finishing portion in engagement with the valve seat while pressure is applied thereto through the operating shaft and any inaccuracies of oscillative

guiding said carriage from a position above the cover and exterior of the receptacle to a posi-



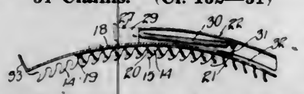
tion within the receptacle with the comb disposed in contact with the brushes.

2,082,992
MOLDED BASE WITH CONTACTS
Wilford B. Wallace, Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 25, 1933, Serial No. 672,749
6 Claims. (Cl. 250—27.5)



1. A base for a vacuum device comprising a tubular body having a flange, a metallic contact member disposed on the outer surface of the side wall of said body, one end of said member extending into said flange the portion intermediate the ends of said member being embedded in the wall with the outer surface of the contact member substantially flush with the outer surface of said wall and the other end of said member extending through said wall.

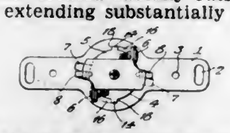
2,082,993
HAIR WAVER
Nathan L. Solomon, Brooklyn, N. Y.
Application November 13, 1936, Serial No. 110,556
31 Claims. (Cl. 132—31)



1. In a hair waver, a frame having fixed toothed means, a comb, means carried by said frame for movably guiding said comb to permit shifting thereof lengthwise of said frame, and means for automatically shifting said comb to permit the latter to be moved longitudinally of said frame but in a direction opposite to said lengthwise movement.

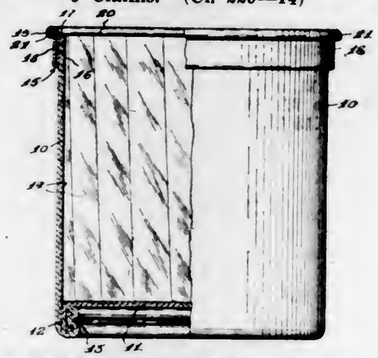
2,082,994
RECEPTACLE
Anthony F. Wallbillich, Hollis, N. Y., assignor to Leviton Manufacturing Company, Brooklyn, N. Y., a corporation of New York
Application December 2, 1930, Serial No. 499,443
7 Claims. (Cl. 173—330)

7. A receptacle comprising a plate having a circular aperture therethrough, a body having a portion thereof received in said aperture, lugs on said portion extending radially outside of said portion, means comprising a substantially straight member located radially outside of said aperture and extending substantially parallel to



the plane of said plate for holding said body immovably in place in said aperture by contacting with one of said lugs, a portion of said holding means extending circumferentially of said aperture and being made operative only after the body has been turned in the aperture.

2,082,995
CONTAINER
Isaac L. Wilcox, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application June 27, 1936, Serial No. 87,753
9 Claims. (Cl. 229—14)

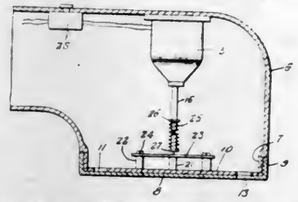


1. A container comprising a cylindrical casing provided with a bottom closure, a ring member encircling the upper portion of the casing and being folded upon itself to form an upwardly facing channel, a bag of thin, flexible material arranged in the casing, with the open end of the bag extending into said channel and being secured thereto, and a top closure for the container having its periphery secured to said ring.

2,082,996
VALVE DEVICE FOR SUBMERSIBLE WELL PUMPS
John A. Wintroath, Los Angeles, Calif., assignor to Wintroath Pumps, Ltd., Alhambra, Calif., a corporation of California
Application June 22, 1935, Serial No. 27,945
2 Claims. (Cl. 103—221)

2. In combination with a submersible well pump, an eduction pipe for conducting the pump discharge well liquid to the ground surface, a pump actuating shaft within said pipe, and valve means in said pipe above and in close proximity to the pump, for obstructing downward flow of liquid in the pipe above the valve but permitting free upward flow past the valve, said valve means comprising a tubular body forming a portion of said eduction pipe, the interior of the body forming an annular valve seat, and a vertically movable annular valve surrounding said shaft and resting on said seat, and means for discharging into the well through a passage in said body,

said open end, said guard member being provided with an arcuate series of relatively spaced slots one side of which are bevelled to present cutting edges, a disk blade arranged in the casing and resting on said guard and provided with



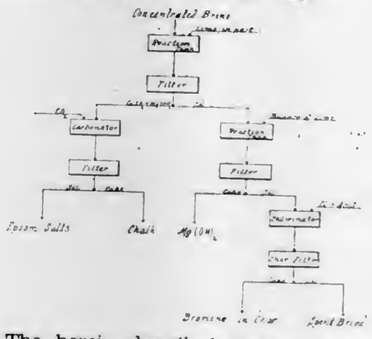
a circular series of slots, one side of which are bevelled to present cutting edges cooperable with the cutting edges of the guard, a motor mounted in said casing and a driving connection between the motor and said disk-blade for driving the latter.

2,082,988
MULTIPLE FASTENER
Aulis E. Taskila, Negaunee, Mich.
Application September 10, 1936, Serial No. 100,180
1 Claim. (Cl. 24—205)



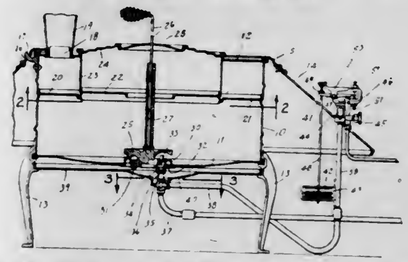
A slider for multiple fasteners comprising a pair of plate sections each provided with a pair of converging side walls, each of said sections being provided with a body portion at its wide end, interlocking means between the said sections, said interlocking means consisting in the provision of a longitudinally extending slot in one of the bodies and a rib on the other body for engagement into the slot, said body portions having a transverse screw threaded bore therein, and a removable screw in said bore for securing said bodies together.

2,082,989
PROCESS FOR THE EXTRACTION OF MAGNESIUM AND BROMINE FROM SEA WATER
Alfred M. Thomsen, San Francisco, Calif.
Application August 29, 1934, Serial No. 742,011
2 Claims. (Cl. 23—216)



1. The herein described method comprising adding sufficient lime to sea water to combine with all the sulphates resident therein in order to produce a precipitate of said sulphates except calcium sulphate as calcium sulphate intermingled with the corresponding amount of magnesium hydrate the quantity of lime added being insufficient to remove the entire magnesium content; next removing said precipitate; next causing a further precipitation of magnesium hydrate by a subsequent addition of calcium hydroxide to precipitate the remaining magnesium in the residual brine; next removing said precipitate; next acidifying and chlorinating the remaining solution to liberate the contained bromine; and then absorbing said bromine in activated carbon.

2,082,990
BROODER FOR CHICKS
Donald B. Tolley and Dewey H. Hill, Kokomo, Ind., assignors to Globe American Corporation, Kokomo, Ind.
Application March 11, 1936, Serial No. 68,176
2 Claims. (Cl. 126—93)

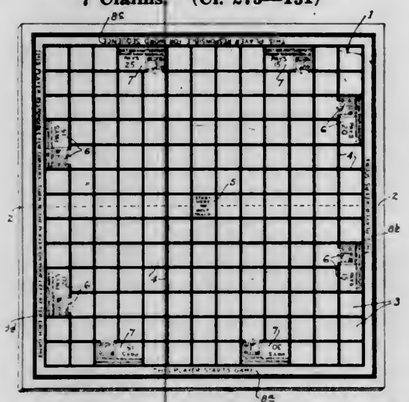


2. An oil burning heating drum for brooders, including an oil burner mounted in the bottom of the drum, a flue opening from the top adjacent the periphery thereof, a baffle plate mounted within said drum spaced from the top and bottom thereof and secured to the cylindrical wall, said baffle plate having a central opening and a plurality of passages surrounding said central opening through which hot gases may pass to said flue, an inner cylindrical drum co-extensive with the opening in said baffle plate and positioned thereabove provided with top and bottom plates having central openings therein, said openings being concentric with the burner and of a diameter to permit removal of a portion of the burner therethrough, and a removable lid for closing the opening in the top plate of said drum, the bottom plate of said drum being adapted to close the opening in said baffle plate whereby the products of combustion may pass directly upwardly through the passages in said baffle and about the wall of said drum to the flue, said drum providing a dead air space for insulating the top of the heating drum.

2,082,991
DEVICE FOR CLEANSING AND STERILIZING COMBS
Generoso Turco, Brooklyn, N. Y.
Application May 31, 1935, Serial No. 24,168
Renewed January 5, 1937
4 Claims. (Cl. 15—39)

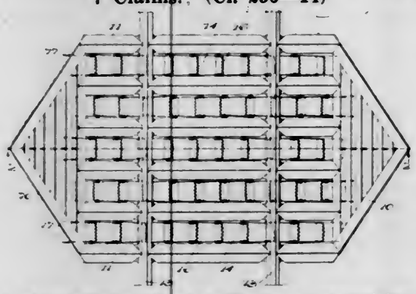
2. A cleansing and sterilizing device for combs, including a receptacle adapted to contain a cleansing and sterilizing liquid, a pair of spiral brushes mounted for rotation on upright axes, means for rotating the brushes in unison, a cover for said receptacle having a comb receiving slot, a comb carriage and means for supporting and

2,082,983
GAME
Cleve F. Shaffer, San Francisco, Calif.
Application March 28, 1934, Serial No. 717,743
7 Claims. (Cl. 273—131)



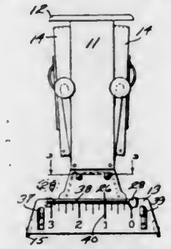
1. A game apparatus comprising a four-sided playing board having its playing face divided throughout its area into sections for receiving playing tokens, a plurality of series of playing tokens, each series containing a plurality of types of tokens and an indicator having a definite series of continually visible characters thereon, said definite series of characters on the indicator having a portion of the characters thereof corresponding to one type of playing tokens, and another portion of its characters corresponding to another type of the playing tokens, said playing board including a central indicated section of starting the play of tokens and having sections indicated as ports in the outer marginal series of sections on each side of the board, each of said marginal ports being divided into two sections, one of said sections of each port corresponding with the symbol tokens and the other section of each port corresponding to the ordinary tokens, the latter section of each port having indicated thereon a scoring value.

2,082,984
CATTLE GUARD
S. Irma Smith, Springfield, Mo.
Application October 20, 1936, Serial No. 106,679
7 Claims. (Cl. 256—14)



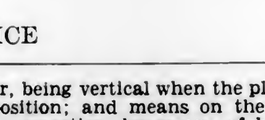
1. An article of manufacture comprising a unitary member which may be assembled with other like members to form the body of a cattle guard, said member comprising a plate which is adapted to stand at an angle to the vertical and which has a thin upper edge; a pair of flanges integral with the plate and extending parallel to each other, being vertical when the plate is in its normal position; and means on the flanges to facilitate connection, by means of bolts or the like, of two or more members to each other.

2,082,985
HEATING APPLIANCE WITH TIMER
Raymond D. Smith, Pleasantville, N. Y.
Application February 17, 1928, Serial No. 255,000
4 Claims. (Cl. 161—16)



1. In combination with a timing mechanism, a handle for operating same pivoted for limited swinging travel, a rest positioned near one end of said travel and sufficiently close to the other end of said travel to permit the simultaneous grasping of said rest and said handle by the thumb and a finger of one hand in all positions of said handle, said rest being outside the plane of movement of said handle to expose the latter for easy grasping when displacing said handle from proximity to said rest.

2,082,986
PROTECTED TERMINAL
Joseph H. Staley, Columbus, Ind.
Application December 2, 1935, Serial No. 52,539
3 Claims. (Cl. 173—332)

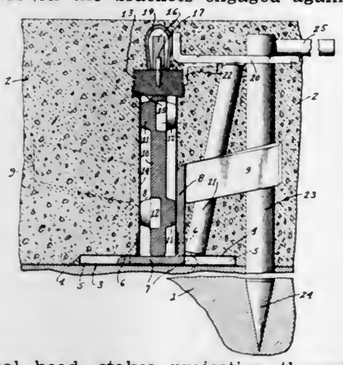


1. In a connecting terminal, an insulating body having a bore open at one end and partially closed at the other, the partially closed end having a threaded hole, an insulating sleeve slidably carried in the bore, said sleeve having an inside shoulder at its inner end, a metallic stud threaded at one end to screw into the threaded hole in the insulating body and having a shoulder between its ends, said stud assembled axially of the sleeve and body with the shoulder in the sleeve and a spring normally projecting the sleeve from the body into arresting contact with the shoulder on the stud.

2,082,987
ELECTRIC RAZOR
Andrew P. Steinhilper, Williamsport, Pa.
Application July 15, 1936, Serial No. 90,761
4 Claims. (Cl. 30—43)

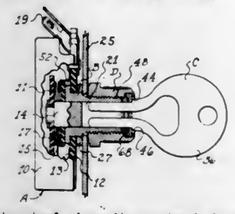
1. An electric razor comprising a tubular handle provided at one end with an integral substantially circular casing projecting laterally from the handle, said casing having an open end and provided at said open end with threads on the peripheral wall of the casing, a guard member having an internally threaded marginal flange threadedly engaged with the casing at

joint holder for bracing the joint forming mechanism in place and including a cap for enclosing the edging bar, apertured brackets secured to the cap, legs secured to the apertured brackets and braced against the base, stop members on the brackets engaged against the



top seal head, stakes projecting through the apertured brackets and driven into the road subgrade to hold the joint forming mechanism braced in position during the pouring of concrete, and handles on the stakes for removing the same and the joint holder after the pouring of concrete.

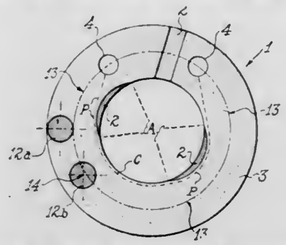
2,082,979
VARIABLE RESISTANCE DEVICE
Newton C. Schellenger, Elkhart, Ind., assignor to Chicago Telephone Supply Co., Elkhart, Ind., a corporation of Indiana
Application May 28, 1934, Serial No. 727,917
4 Claims. (Cl. 201—48)



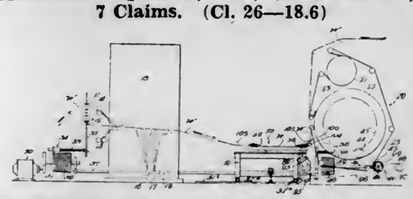
1. A key actuated circuit control device having in combination, a housing, an externally threaded bushing projecting from said housing, a shaft having a keyway therein rotatably journalled in said bushing, a securing nut cooperative with said externally threaded bushing for securing said circuit control device to a supporting member, one end of said nut overlying said keyway and having a spring pressed key locating member therein, and a key for cooperation with said keyway to actuate said shaft.

2,082,980
VARIABLE RESISTANCE
Newton C. Schellenger, Elkhart, Ind., assignor to Chicago Telephone Supply Co., Elkhart, Ind., a corporation of Indiana
Application December 10, 1934, Serial No. 756,718
2 Claims. (Cl. 201—55)

1. In a variable resistance device, an arcuate resistance element, comprising a wide conductive member formed in a flat circular arc with spaced ends, an arcuately movable contact engaging the conductive member at points spaced from its inner edge, a terminal adjacent each end, the major portion of the inner edge of the resistance element being formed upon a substantially circular arc, and a curved recess in an intermediate portion of said inner edge whereby the cross section of the resistance is gradually decreased and then gradually restored to normal width.

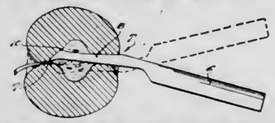


2,082,981
CLOTH FINISHING
George A. Schreiner, Troy, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York
Application August 23, 1934, Serial No. 741,094
7 Claims. (Cl. 26—18.6)



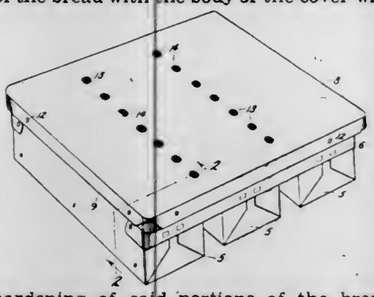
1. Cloth treating mechanism comprising a cloth finishing machine adapted to operate on a long moist cloth web, an input controlling device adapted to control the rate of travel of cloth toward the finishing machine at a substantial distance in advance thereof, the input controlling device and finishing machine being adapted to apply a tension to the intervening web of cloth such as to stretch it longitudinally, and lateral spreading mechanism comprising opposed diverging series of traveling edge-holding devices having contact with the said intervening tensioned web only at its edges and through a relatively short part of the length of said intervening tensioned web adjacent to the finishing machine.

2,082,982
KITCHEN TOOL
Madeleine Schumacher, Seattle, Wash.
Application May 23, 1934, Serial No. 727,067
6 Claims. (Cl. 146—31)



1. A kitchen tool for the purpose described comprising a member formed with a spoon-shaped head portion having a relative ovate plan configuration and a handle for said head portion, the leading end of said head portion being bifurcated with the furcate points projecting upwardly beyond the plane of the edges of the body proper of the head portion, said tool about the rim of the head portion providing a knife-edge and being apertured in the bottom of said head portion to provide a longitudinally extending opening, said handle extending rearwardly at an angle to said plane of the edges of the head portion.

face of the body, and precluding contact of the top of the bread with the body of the cover where-



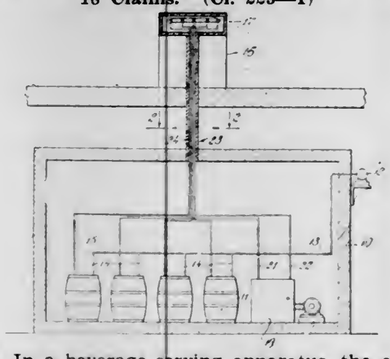
by hardening of said portions of the bread is avoided.

2,082,974
HEEL SUPPORT
Frederick D. Reynolds, St. Louis, Mo.
Application April 27, 1935, Serial No. 18,611
4 Claims. (Cl. 36—76)



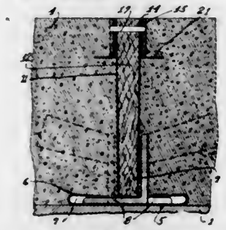
1. A shoe heel support of the character described comprising a member formed of a metal stamping and having a longitudinally curved heel portion adapted to fit against and be secured to the curved breast of a heel of a shoe and having a shank portion adapted to fit against and be secured to the shank of said shoe, and a flange formed integral with the edges of said portions and extending downwardly therefrom, whereby said edges are reinforced against cracking at points of greatest stress, each of said flanges being deepest at the junction of said shank and heel portions and tapering off along the edges of said portions.

2,082,975
BEVERAGE SERVING APPARATUS
Ralph A. Riesgo, New York, N. Y.
Application November 14, 1936, Serial No. 110,782
18 Claims. (Cl. 225—1)



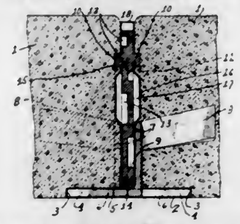
1. In a beverage serving apparatus, the combination of a plurality of beverage supply pipes, cooling medium supply and return pipes in heat-transferring contact with said beverage supply pipes, and a heat insulating jacket jointly enclosing said beverage and cooling medium supply and return pipes.

2,082,976
ROAD JOINT FORMER
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago, Ill., a corporation of Illinois
Application September 22, 1933, Serial No. 690,506
36 Claims. (Cl. 94—18)



1. A concrete construction joint former comprising a base section, a plurality of anchor members slidably mounted therein, a core unit removably supported by the anchor members and removable from the concrete construction to provide an expansion space therein, supporting means temporarily carried by the core unit and remaining partially embedded in the concrete when the core unit is removed, a cap engaged on said supporting means and a filler engaged in the space above the cap and between the sections of the concrete.

2,082,977
EXPANSION JOINT CORE
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago, Ill., a corporation of Illinois
Application September 30, 1935, Serial No. 42,772
10 Claims. (Cl. 94—18)

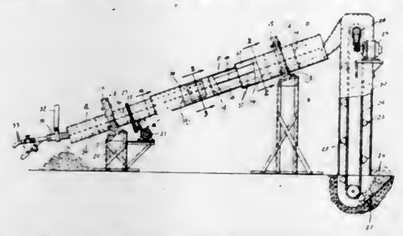


1. An expansion joint filler comprising a precast plastic board having staggered rows of recesses formed in opposite sides thereof, and stop ribs integrally formed longitudinally and transversely on both sides of the board.

2,082,978
JOINT HOLDER AND EDGING UNIT
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago, Ill., a corporation of Illinois
Application November 14, 1935, Serial No. 49,695
21 Claims. (Cl. 94—51)

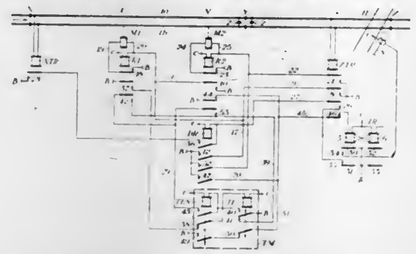
1. In a joint forming mechanism for embedding between concrete sections of a road the combination with an expansion joint base, of a preformed core supported thereon and including a top seal head, plates secured on opposite sides of the plastic filler and supported by said base with the tops of said plates formed to seat around the bottom corners of the top seal head, an edging bar including pins to be driven into the top seal head to hold the edging bar removably secured in place upon the top seal head, and a

for feeding aggregate into the upper end of said tube, the lower end thereof being of reduced diameter to provide a discharge nozzle for the aggregate, means for rapidly rotating said tube, and a burner having its mouth projected into said nozzle for injecting a flame therein, the axis of



the burner being inclined downwardly with respect to the axis of said nozzle and the diameter of said discharge nozzle in relation to the flame injected therein being such as to cause the aggregate to pass directly through said flame before being discharged from said nozzle.

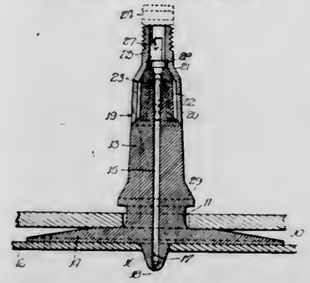
2,082,971
APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS
John M. Pelikan, Greentree Borough, and Henry S. Young, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 4, 1936, Serial No. 99,424
9 Claims. (Cl. 246—130)



1. In combination, a stretch of railway track intersected by a highway and formed into a track section to one side of the intersection, a track circuit for said section including a track relay, a highway crossing signal located at the intersection, two track instruments capable of operation by a train and located one at each of two selected locations which a train passes prior to entering said track section in approaching the intersection, a normally energized first relay governed by the track instrument nearer the section and effective to start operation of the signal when deenergized in response to the head end of a train reaching the location of that instrument, a normally deenergized time measuring means effective when energized a predetermined time interval to render said first relay ineffective to start operation of the signal, a normally energized second relay governed by the track instrument more remote from the section and effective to energize the time measuring means when deenergized in response to the head end of a train reaching the location of that instrument, other means including a front contact of the track relay to operate the signal, and means controlled by a train to restore said first and second relays as well as the time measuring means to their normal positions in response to the head end of a train entering said track section.

6. In combination, a stretch of railway track intersected by a highway and formed into a track section on one side of the intersection, a highway crossing signal located at the intersection, a track circuit for the section including a track relay, a track instrument attached to a rail at a location which a train passes prior to entering the section in approaching the intersection, a time measuring means effective at times to govern the operation of said signal, a first relay governed by the track instrument to control said time measuring means in response to a train passing the location of the instrument, a signal controlling interlocking relay including a winding energized over a front contact of the track relay, a directional relay, a pick-up circuit for the directional relay including a front contact operated by said winding and a back contact of the track relay, a stick circuit for the directional relay including a back contact of another track relay which a train shunts subsequent to passing through said track section in receding from the intersection, and means including a front contact of the directional relay to render said first relay ineffective to operate the time measuring means when the receding train passes the location of said instrument.

2,082,972
VALVE AND THE LIKE
Ira D. Perry, Muskegon, Mich.
Application July 6, 1936, Serial No. 89,136
6 Claims. (Cl. 152—12)

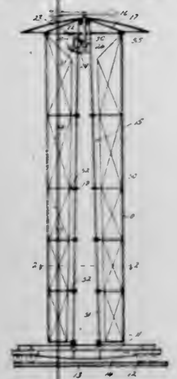


1. As a new article of manufacture, a tire valve for pneumatic tires, comprising a rubber valve stem having a longitudinally extending air passage therethrough, said air passage terminating short of the inner end of the device, an inwardly extending boss at the inner end of the stem, and in line with the passage, there being a relatively small port in the boss in line with the passage through which contained air from the tire may flow at a predetermined rate, there being a cross cut in the boss at the position of said port providing normally contacting port enlarging portions of the boss adapted to separate from each other during inflation, means for normally sealing the outer end of the passageway in said valve stem against flow of air through said port.

2,082,973
BAKEPAN UNIT
Albert Prabell, Bellevue, Ky., assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio., a corporation of Ohio
Application April 9, 1936, Serial No. 73,495
9 Claims. (Cl. 53—6)

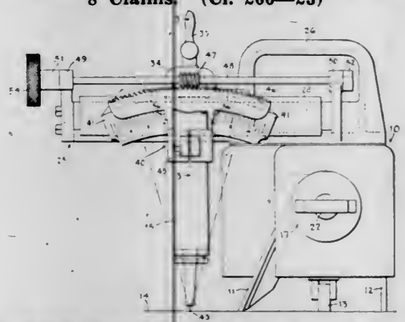
1. A cover for a baking pan and comprising a body and a perforate liner covering the inner sur-

rotors, and means for reversing the direction of rotation of each rotor while the car on which it



is mounted is traveling substantially parallel to the direction of the wind.

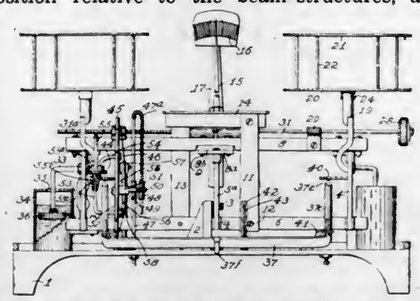
2,082,967
APPARATUS FOR CUTTING SWINGING BEVELS
James D. McKiernan, Brooklyn, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application August 16, 1935, Serial No. 36,506
8 Claims. (Cl. 266—23)



1. Metal cutting apparatus including a carriage with a plurality of wheels for stably supporting it on the surface of the work, a torch-holder supported by the carriage, an oxygen cutting torch in said holder, a handle, and mechanism operated by said handle for producing movement of the torch-holder with respect to the carriage, said mechanism including means to prevent its operation by the weight of the torch or holder and being constructed and arranged to change the inclination of the torch while it remains directed at substantially the same point on the work.

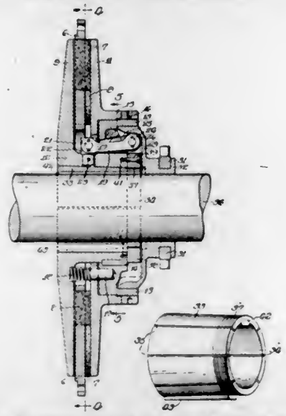
2,082,968
TORSION BALANCE SCALE
Le Roy C. Morris, Cedar Falls, Iowa
Application June 3, 1936, Serial No. 83,225
5 Claims. (Cl. 265—54)

1. In a scale apparatus having medially pivoted beam-structures, like brackets fixed on opposite end parts of the beam-structures, and a single rockable device supported adjacent and alongside the beam structures, having arms with offset standards beneath and releasably engageable simultaneously terminally with said brackets respectively to hold the beam-structures releasably in locked horizontal position, resilient means engaging arms of said locking devices for releasably holding the standards in an unlocked position relative to the beam-structures, and



other resilient means also engageable with said locking device between said arms for releasably holding them in locking engagement with the beam-structures.

2,082,969
CLUTCH
Bernard L. Myers, Mishawaka, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana
Application June 22, 1935, Serial No. 27,955
3 Claims. (Cl. 192—68)

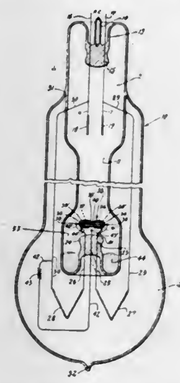


2. In a friction clutch, coaxial driving and driven members, mechanism operable for establishing driving relation between said members, a clutch hub carrying one of said members and said mechanism, annular means in said hub operable by wedging action to grip said hub and a shaft, adjusting means to cause said wedging action, and a plurality of keying means for establishing a positive driving connection between the shaft and hub through said annular means in addition to the connection established by the frictional engagement of said annular means with the shaft and hub.

2,082,970
ROTARY AGGREGATE DRIER
Ivan J. Overman, Marion, Ind., assignor of one-half to Ross S. McClain, Marion, Ind.
Application May 29, 1936, Serial No. 82,504
1 Claim. (Cl. 34—6)

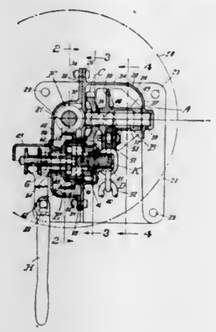
An apparatus for drying and heating aggregate including an elongated tube, means for supporting said tube at an angle to permit the aggregate to slide therethrough by gravity, means

2,082,963
ULTRAVIOLET LAMP
Charles F. Lorenz, East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 12, 1930, Serial No. 460,587
20 Claims. (Cl. 176—1)



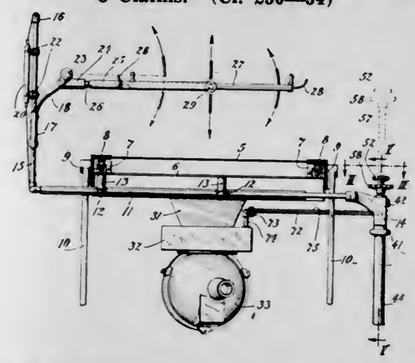
1. A combined ultra-violet and illuminating unit comprising a sealed envelope having two chambers, an electron emissive cathode and an anode in one chamber, mercury vapor surrounding said anode and cathode, means for heating said cathode to cause an electron flow ionizing said vapor to produce a glow discharge, an electrical circuit including said last mentioned means and a filament in series in said circuit.

2,082,964
HAND BRAKE
Harvey J. Lounsbury, Glen Ellyn, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 20, 1935, Serial No. 22,315
5 Claims. (Cl. 74—505)



1. In a hand brake mechanism, the combination with a rotary chain winding drum; of a spur gear fixed to said drum; a rotatable worm wheel; a second spur gear journaled in said worm wheel and meshing with said first named gear; a sliding clutch member within the worm wheel and rotatable therewith, said sliding clutch member having a clutch head extending into the second named spur gear, said clutch head and second named spur gear having interengaging cooperating clutch projections thereon; manually actuated means for sliding said clutch; a rotary worm member meshing with the worm wheel for rotating the latter; and a housing for said mechanism comprising two separate sections, each section forming a chamber, one of said sections enclosing the first named spur gear and chain winding drum, and the other section housing said worm, worm wheel, and clutch mechanism, said housing including a vertical dividing wall separating said chambers, said dividing wall being integral with one of said sections, and the other section being detachably secured to said wall.

2,082,965
FLUOROSCOPIC SHUTTER CONTROL MECHANISM
Stanley E. Lundquist, Jackson Heights, N. Y., assignor to Westinghouse X-Ray Company Inc., a corporation of Delaware
Application March 31, 1933, Serial No. 663,720
3 Claims. (Cl. 250—34)



1. A controlling mechanism for a fluoroscopic unit provided with a support, adjustable fluoroscopic shutters, and a fluorescent screen movable vertically to various positions with respect to said support comprising means connected to said adjustable fluoroscopic shutters and to a portion of said support for operating said adjustable fluoroscopic shutters, and means telescopically engaging said support and connected to said first mentioned means and movable to various extended positions independent of the vertical movement of said fluorescent screen to enable said last mentioned means to be moved to various extended positions with respect to said support and the various vertical positions of said screen for causing movement of said first mentioned means with attendant operation of said shutters from any extended position of said last mentioned means.

2,082,966
WIND MOTOR
Julius D. Madaras, Detroit, Mich., assignor to Madaras Rotor Power Corporation, Detroit, Mich., a corporation of Michigan
Application February 9, 1931, Serial No. 514,557
Renewed October 10, 1934
6 Claims. (Cl. 170—11)

1. In a rotor power plant, a plurality of cylindrical rotors, a plurality of cars supporting said rotors and a rigid track for supporting said cars depressed below the gound level concealing substantially all of said cars and exposing only said

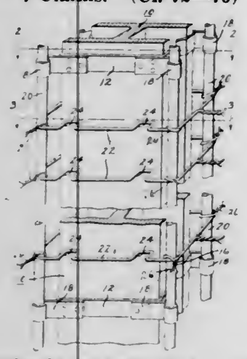
means adapted to engage said builder cam for normal building operation, the bunch building member comprising an eccentric worm mounted for rotation with the main builder cam and a disk carried by the builder arm, adapted to mesh with said worm, and when in mesh therewith to hold the main cam out of engagement with the builder arm.

2,082,959
MOTOR
Paul T. Keebler, Jeannette, Pa., and William S. Elliott, deceased, late of Pittsburgh, Pa., by Anna L. Elliott, Pittsburgh, George F. Elliott, Ridgway, and Harry R. Leyden, Buck Hill Falls, Pa., executors, assignors to Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 17, 1935, Serial No. 16,780
5 Claims. (Cl. 121—34)



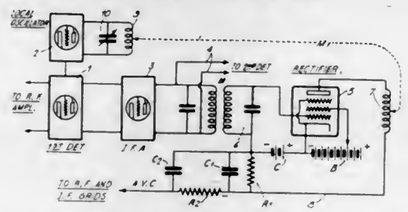
4. A cylinder for a rotary fluid motor having a cylindrical bore for a rotor, an eccentric flange at one end of said cylinder adapted to position the cylinder eccentrically within a motor casing, a partition, a pressure chamber between the cylinder wall and said partition, a fluid pressure inlet extending from said chamber through said flange, inlet ports communicating with said chamber and the bore of said cylinder, and exhaust ports extending from the bore of said cylinder through the wall of said cylinder.

2,082,960
COLUMN REENFORCEMENT GIRDLE
Arthur M. Kinninger and Carl A. Kinninger, Dayton, Ohio
Application June 1, 1936, Serial No. 82,902
7 Claims. (Cl. 72—76)



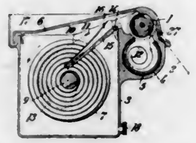
7. A completely preassembled reenforcing girdle for use with a metallic column having masonry surrounding the same, said girdle including spacing means fixedly attached to the metallic column, reenforcing mesh work supported by said spacing means for reenforcing the masonry surrounding the column, said reenforcing mesh work being open along one side to permit the assembly to be inserted into position, said mesh work being united along the open side after assembly.

2,082,961
AUTOMATIC GAIN CONTROL CIRCUIT
Winfield R. Koch, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 6, 1934, Serial No. 733,987
12 Claims. (Cl. 250—20)



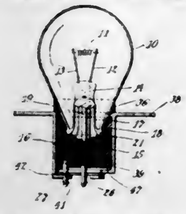
1. In an automatic gain control system for a superheterodyne receiver, an amplifier whose gain is to be controlled, a rectifier, the rectifier including a tube provided with a plurality of electrodes, certain of said electrodes comprising input electrodes, means for impressing signals upon the input electrodes, and means for impressing local oscillations generated in the receiver upon an output electrode of said rectifier tube, a resistor in the space current path of said rectifier tube across which is developed a direct current voltage derived from the rectifier space current in response to a predetermined change in signal amplitude, and a gain control connection connected between a negative point on the resistor and a gain control electrode of the amplifier.

2,082,962
DEVELOPING TANK FOR ROLL FILMS
Michael Lesjak and Wilhelm Kehr, Augsburg, Germany
Application November 21, 1935, Serial No. 50,913
In Germany November 23, 1934
7 Claims. (Cl. 95—90.5)



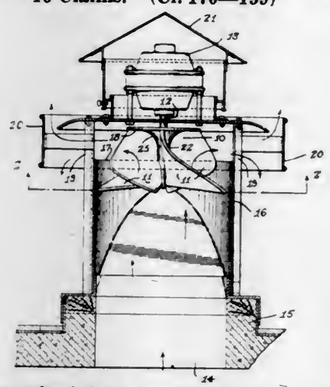
1. A daylight developing tank for roll films which comprises in combination a container, an axle mounted in said container and protruding over one side of said container so as to be capable of movement from outside the container, two spirally grooved discs mounted on said axle inside said container and at a distance from each other corresponding with the breadth of the roll film to be treated in said developing tank, a guide hinged to said container for guiding the film to be treated and having a breadth less than the distance of said spirally grooved discs, the free end of said guide being bent outwardly so as to engage said grooves of said spirally grooved discs, a chamber mounted on said container for receiving a roll film, and a lid for light tight closure of said container and said chamber.

molded around the neck of the bulb, said base being shaped to fit a socket and to provide an external surface of said molded material a predetermined distance from said filament, and con-



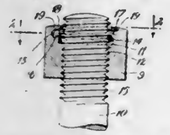
tact members embedded in said molded material and adapted to cooperate with said socket to hold said surface in engagement with a positioning surface on said socket.

2,082,955
FAN
Harold F. Hagen, Dedham, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application July 21, 1936, Serial No. 91,686
16 Claims. (Cl. 170—159)



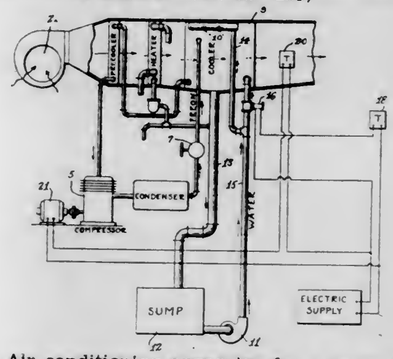
1. A fan wheel for a centrifugal fan, comprising a back plate, and a plurality of blades having curved delivery portions extending to said back plate and having curved inlet portions, said blades having substantially conoidal surfaces.

2,082,956
SAFETY NUT
Albert Hall, Narberth, Pa., assignor to James H. Gravell, Elkins Park, Pa.
Application April 18, 1936, Serial No. 75,062
3 Claims. (Cl. 151—14)



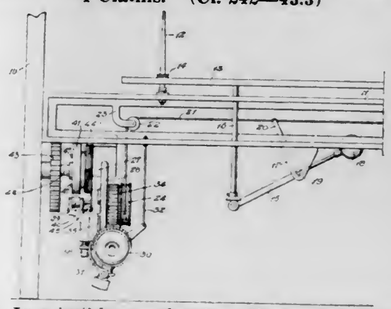
1. As a new article of manufacture, a threaded lock nut having a recess in a face thereof surrounding the bolt opening, a brake band in said recess of less dimension than the recess and of spiral formation corresponding to the pitch of the bolt threads and adapted to screw thereon, cooperating interengaging means on the band and on the wall of the recess for preventing rotation of the band, said band being free to float slightly in the recess both longitudinally and transversely of the bolt opening, and means projecting from the wall of the recess to overhang the band and spirally disposed to correspond to the pitch of the threads, said means for preventing rotation of the band cooperating with said spirally projecting means so as to properly position the band and insure its entry into the threads of the bolt as it advances into the nut.

2,082,957
AIR CONDITIONING SYSTEM UTILIZING REFRIGERATION
Frank J. Hamilton, Chicago, Ill., and Samuel M. Anderson, Sharon, Mass., assignors to B. F. Sturtevant Company, Inc., Boston, Mass.
Application February 24, 1936, Serial No. 65,334
4 Claims. (Cl. 62—129)



2. Air conditioning apparatus for a passenger vehicle comprising a conditioning chamber, means for passing air through said chamber for conditioning and for then supplying it into the passenger space, evaporator coils in said chamber extending crosswise the air flow therethrough and having a substantial surface exposed to the air flow, flooding spray nozzles above said coils arranged to project water upon their surface, atomizing spray nozzles to the rear with respect to air flow, of said coils, means for supplying water to said nozzles, and means for supplying a volatile refrigerant to be evaporated in said coils.

2,082,958
BUNCH WINDING ATTACHMENT FOR BUILDER MECHANISM
Odus Cromer Hinson, Cramerton, N. C., assignor to Cramerton Mills, Cramerton, N. C.
Application August 15, 1936, Serial No. 96,289
4 Claims. (Cl. 242—43.3)



1. In a builder mechanism, the combination of a main rotating builder cam, a builder arm having

the bar and adapted to engage with and position the blade of a lawn mower, said positioning member and said blade guide member both having openings through which the supporting bar and a file extend in substantially parallel spaced apart relation, screw means threaded through said bar and clamping said bar and said file to said positioning member, a nut positioned in said blade guide member between said bar and said file, and a screw extending through said blade guide member and threaded into said nut.

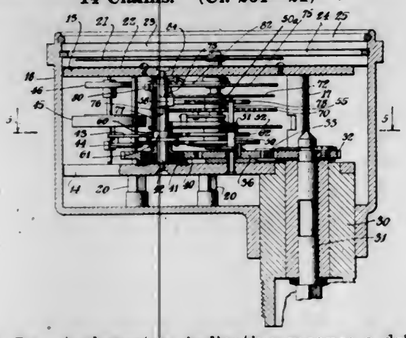
2,082,949

TACHOMETER

Pierre Marie Girard, Courbevoie, France, assignor to Jaeger Watch Company, Inc., New York, N. Y., a corporation of New York

Application December 15, 1934, Serial No. 757,691

14 Claims. (Cl. 264—21)



1. In a tachometer; indicating means; a drive shaft adapted to be coupled to an engine for measuring the speed thereof; an indexing wheel controlling said indicating means; a setting wheel connected to said indicating means; a stabilizing wheel for said setting wheel; a coupling wheel located between said stabilizing wheel and said setting wheel; a radially extending arm frictionally connected with said indexing wheel for movement therewith; a second radially extending arm frictionally operable with said indexing wheel; a stud on said indexing wheel for engaging said two radially extending arms; a stud on said setting wheel for engaging said second mentioned arm whereby a driving connection is established between said indexing wheel and said setting wheel; a radially extending stop arm frictionally connected with said stabilizing wheel; a stud on said stabilizing wheel for engaging said stop arm so as to cause said arm to partake of the return movement of said stabilizing wheel; and a stationary stud so positioned as to engage said stop arm for stopping said arm, said stabilizing wheel, said coupling wheel, and said setting wheel.

2,082,950

COATING ZINC AND THE COATED ARTICLE

Matthew Green, Detroit, Mich., assignor to Parker Rust-Proof Company, Detroit, Mich., a corporation of Michigan

No Drawing. Original application January 21, 1932, Serial No. 587,967. Divided and this application October 2, 1935, Serial No. 43,198

6 Claims. (Cl. 148—6)

1. An article having a zinc surface covered by a coating comprising substantially insoluble salts of zinc and iron with phosphoric acid, said coat being of a kind and quantity adapted to hold paint on said surface.

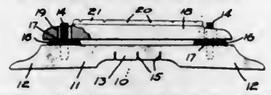
2,082,951

ADJUSTABLE BRIDGE FOR STRINGED MUSICAL INSTRUMENTS

Albert W. Grover, Merrick, N. Y.

Application June 25, 1935, Serial No. 28,286

6 Claims. (Cl. 84—298)



1. In a bridge for stringed musical instruments, the combination of a base provided with a slotted section to weaken the same and cause it to yield under tension, and a top bar supported upon said base.

2,082,952

ANTIDIABETIC SUBSTANCE

Charles E. Gruwell and Frank H. E. Preene, New York, N. Y., assignors to Research Agency Corporation, Oradel, N. J., a corporation of New Jersey

No Drawing. Application May 16, 1933 Serial No. 671,364

4 Claims. (Cl. 167—55)

4. A non-toxic anti-diabetic substance comprising an extract of prickly pear containing the active principles which reduce blood sugar in the system of a patient suffering from a deficiency in carbohydrate metabolism.

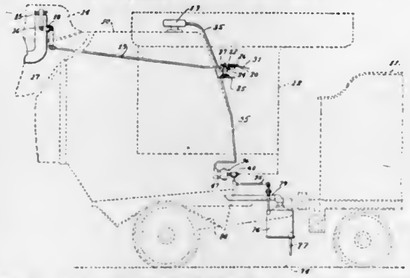
2,082,953

BLOW-OFF APPARATUS FOR LOCOMOTIVE BOILERS

Lewis O. Gunderson, Chicago, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois

Application December 30, 1935, Serial No. 56,835

2 Claims. (Cl. 122—382)



1. In a locomotive having a steam boiler, a throttle for controlling the flow of steam from the boiler and a lever for operating the throttle, a blow-off device communicating with the boiler, pressure operating means for opening the blow-off device, a pipe communicating with the boiler and said pressure operating means, a valve in said pipe, and means so associated with the valve as to be operated by the throttle lever when the latter is beyond a drift speed position for opening the valve to admit boiler pressure through said pipe to the pressure operated means and thereby open the blow-off device.

2,082,954

PREFOCUSED LAMP BASE

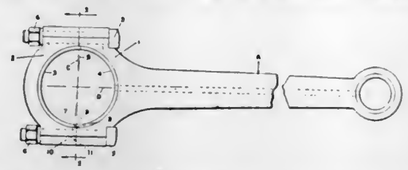
Daniel S. Gustin, East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 16, 1933, Serial No. 702,691

9 Claims. (Cl. 176—7)

1. An incandescent lamp comprising a bulb, a filament in said bulb, a base entirely of material

beside the joint between the adjacent abutting ends of said housing sections with opposed substantially U-shaped slots forming a substantially rectangular opening, one elongated wall of said opening being in registration with the joint aforesaid between the adjacent abutting ends of said housing sections, one housing section overlapping the joint formed by the abutting ends of said half bearings and having a radially extending substantially rectangular slot extending through one end thereof toward the other section of said housing, the adjacent end of the other housing



section being imperforate and cooperating with the walls of said slot to form a substantially rectangular opening substantially in registration with the rectangular opening aforesaid, and means for holding said half bearings against movement in said housing including a single solid key fitting snugly in said registering openings and having an extension in the radially extending slot aforesaid in said housing section beside the adjacent end of the other housing section, and connecting means for said housing sections including a bolt extending through said key extension.

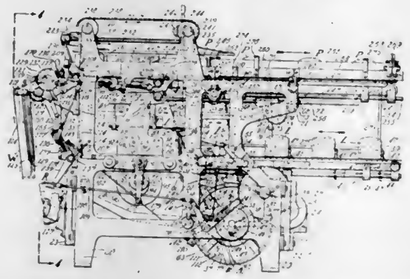
2,082,945

BREAD SLICING AND WRAPPING MACHINE

Lester Ferenci, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application February 19, 1932, Serial No. 594,101

43 Claims. (Cl. 93—2)



1. The combination with an article lifter having a guide for wrapping material, of a wrapper feed for feeding a length of wrapping material through said guide, means for raising and lowering said lifter, means for holding a portion of the wrapping material stationary while said lifter is being lowered to partially withdraw the wrapping material from said guide, mechanism for pushing an article into the portion of the material withdrawn from said guide and onto said lifter while the latter is in its lowered position to partially enwrap the wrapping material about the circumference of the article, means acting to complete the circumferential enwrapping of the article, and folder structure for folding the end flaps of the wrapping material to complete the wrapping of the article.

2,082,946

PROCESS OF PREPARING BETA-BROMETHYL BENZENE

Maurice Fluchaire, Tarare, and Serge Javorski, Lyon, France, assignors, to Societe des Usines Chimiques Rhone, Poulenc, Paris, France, a corporation of France

No Drawing. Application September 21, 1935, Serial No. 41,516. In Great Britain September 25, 1934

8 Claims. (Cl. 260—160)

1. A process for the preparation of beta bromethylbenzene which comprises combining hydrogen bromide with styrene at a temperature between 40° C. and the boiling point of styrene in a solution in an organic solvent which does not react with hydrogen bromide.

4. A process for the preparation of beta bromethylbenzene which comprises combining hydrogen bromide with styrene in a solution in an aromatic solvent which does not react with hydrogen bromide, said reaction being carried out at a temperature between 90° and 100° C. and in the presence of a catalyst of the peroxidic type.

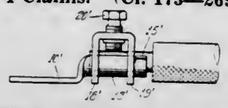
2,082,947

TERMINAL CONNECTER

William G. Fotsch, Chicago, Ill., assignor to Reliable Electric Co., Chicago, Ill., a corporation of Illinois

Application December 3, 1934, Serial No. 755,791

4 Claims. (Cl. 173—269)



1. A terminal connecter comprising in combination a plate having a substantially flat apertured terminal mounting portion and a clamping jaw portion provided with a curved side to engage a conductor, a U-shaped yoke member mounted on said jaw portion and having spaced substantially parallel leg portions running crosswise of said jaw portion, said legs having conductor receiving apertures through which said jaw portion extends, said yoke member having a screw in its base cooperating with said leg portions to clamp a conductor to said jaw portion, said jaw portion and the legs having cooperating surfaces thereon preventing rotation of the jaw portion within the apertures in said legs, and said jaw portion having its free end projecting beyond the yoke and spread to retain the yoke thereon.

2,082,948

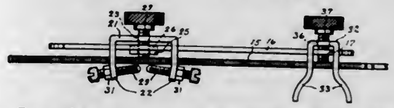
LAWN MOWER SHARPENER

Olof B. Gerdin, Seattle, Wash., assignor of one-third to W. E. Stafford and one-third to G. W. Gustafson, both of Seattle, Wash.

Application December 9, 1933, Serial No. 701,656

Renewed November 7, 1936

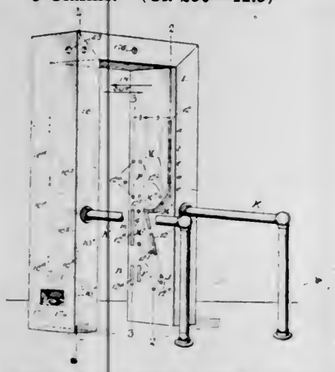
8 Claims. (Cl. 76—82.1)



1. In a lawn mower sharpener for use with a file, a supporting bar, a positioning member secured to one end portion of said supporting bar and adapted to slidably engage a truss rod of a lawn mower, a blade guide member mounted on said bar and adjustable longitudinally along

under reduced pressure is supplied to balance the diaphragm, said control valve being operated by said diaphragm upon a predetermined change in the pressure of the high pressure fluid acting on one side of said diaphragm to effect operation of said main valve.

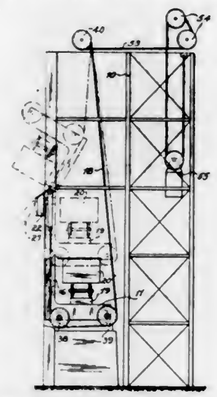
2,082,941
COUNTING APPARATUS OPERATED BY RADIANT ENERGY
James H. Burnside, 2nd, New York, N. Y.
Application June 30, 1933, Serial No. 678,367
5 Claims. (Cl. 250—41.5)



1. In a system for counting bodies moving along a predetermined path, means for projecting radiant energy across said path at two definite lines, one in advance of the other, said lines of projected radiant energy approaching each other at one portion, separate means responsive to radiant energy, located in the paths of the respective lines of projected radiant energy, a counting device operated by changes in the condition of the means responsive to radiant energy located in the path of one of said lines of projected radiant energy, when a body moving along said path in a predetermined direction intercepts radiant energy projected at said line, and means for preventing the operation of said counting device when a body moves along said path in the opposite direction, said last-mentioned means being operated by changes in the condition of the means responsive to radiant energy located in the path of the other of said lines of projected radiant energy, and additional means for projecting radiant energy across the path of the bodies, between the said two lines, both above and below their portion of closest approach, additional means responsive to radiant energy, located in the path of the radiant energy thus projected between said two lines, and an operative connection between said last mentioned means and the counting device to cause the latter to be operated in the event that a body moving in said predetermined direction should fail to cause an operation of such device at the passage of such body across said first-mentioned line.

2,082,942
CAR DUMPER
Arthur F. Case, Cleveland, Ohio, assignor to The Wellman Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application June 29, 1935, Serial No. 29,127
16 Claims. (Cl. 214—123)

1. In a car dumper of the lifting type, a cradle, a pan girder, pivoted means associated with the pan girder and normally depending vertically of the dumper tower, and means on said cradle co-



operating with said pivoted means during the turning movement of the cradle to operatively connect it with the said girder.

2,082,943
PUZZLE
Coles O. Dutcher, Utica, N. Y.
Application September 12, 1935, Serial No. 40,323
4 Claims. (Cl. 273—156)



1. A puzzle, comprising two separate flat members each designed to be disposed in edge to edge relation, each of said members having a complete figure represented thereon and in the same posture as the figure on the other member, and a third member having two figure representations thereon and adapted to be disposed relative to the flat members in such a manner as to make the figures of the third member each coact with a portion of each of the figure representations on the first members to form two complete pictures in each of which one of the two first figures is shown in an altered posture.

2,082,944
BEARING LOCK
Robert G. N. Evans, Toledo, Ohio, assignor to The Bunting Brass & Bronze Company, Toledo, Ohio, a corporation of Ohio
Application July 8, 1935, Serial No. 30,367
3 Claims. (Cl. 308—237)

1. In combination, a bearing housing having complementary substantially semi-circular sections arranged in opposed relation with their ends abutting each other, cooperating substantially semi-circular half bearings in said housing in opposed relation to each other with their ends abutting in circumferentially spaced relation to the abutting ends of the housing sections, said half bearings being provided at one end thereof

2,082,936
DETERGENTS AND METHOD OF MAKING THE SAME
Chester L. Baker, Berkeley, Calif., assignor to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application June 21, 1934, Serial No. 731,642
7 Claims. (Cl. 87—5)

7. The method of preparing a dry, stable mixture of a desired hydrated sodium metasilicate and a compatible hydrated sodium metaborate as herein disclosed which comprises the following steps:

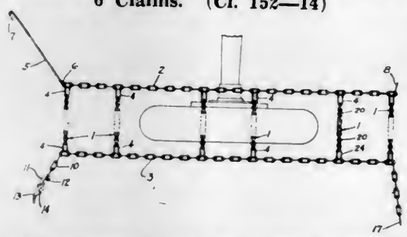
(*a*) Preparation of a solution calculated to satisfy the chemical requirements of the desired sodium metasilicate hydrate;

(*b*) Initiating crystallization of the said sodium metasilicate hydrate and permitting it to continue until the mass becomes fairly thick;

(*c*) Adding the ingredients required to produce the composition of the desired compatible sodium metaborate hydrate while cooling, if necessary, to maintain the temperature below the melting point of the desired sodium metasilicate hydrate; and

(*d*) Initiating crystallization of the compatible sodium metaborate hydrate with further cooling, if necessary, to maintain the temperature below the melting temperature of the said crystalline metasilicate and also below the transition point between the said compatible crystalline metaborate and the crystalline metaborate of next higher melting temperature.

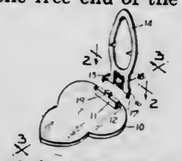
2,082,937
EMERGENCY CHAIN UNIT
Joseph B. Bambenek, Winona, Minn., assignor to Peerless Chain Company, Winona, Minn., a corporation of Minnesota
Application April 18, 1936, Serial No. 75,143
6 Claims. (Cl. 152—14)



1. An emergency unit for vehicle wheels having traction cross members and means disposed respectively at inner and outer sides of the wheel to hold the cross members in place, comprising a single rod attached at one end terminally of the inner of said means, said rod being of sufficient length so that it may be passed from one periphery of the wheel across the inner side of the wheel to have its outer end visibly positioned at the opposite periphery to be detachably connected with said inner means and when so connected to be related to the wheel as a chord to its arc.

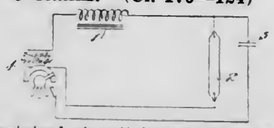
2,082,938
CLASP OR THE LIKE
Morris Belloch, Brooklyn, N. Y.
Application November 2, 1935, Serial No. 47,937
1 Claim. (Cl. 24—252)

In a clasp, or the like, a body portion provided with an integral rearwardly extending lug having oppositely extending pivot pins spaced from the rear face of the body portion, and a movable member hinged on said pins, said member having a spring tongue bearing on the lug for pressing the free end of the member against



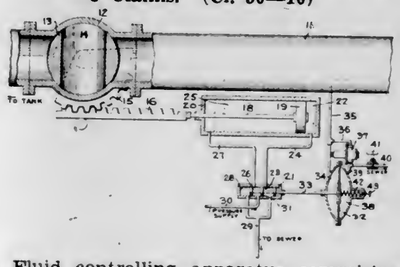
the rear face of the body portion, the body portion being in the form of a casting of low melting point metal and the pivot pins being at the ends of an embedded hard metal rod.

2,082,939
STARTING CIRCUIT FOR VAPOR ELECTRIC DEVICES
Lester F. Bird, Newark, N. J., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J., a corporation of New Jersey
Application May 23, 1936, Serial No. 81,412
6 Claims. (Cl. 176—124)



1. An electrical circuit including a vapor filled electric discharge tube, a stabilizing impedance in series with said tube, a capacitor capable of withstanding the applied potential across the discharge tube, and an intermittent contact device which makes several contacts after the application of power through the circuit of the discharge tube for connecting and disconnecting the capacitor across the discharge device.

2,082,940
FLUID CONTROL MEANS
Eugene C. Brisbane, Denver, Colo., and Robert Bischoff, York, Pa., assignors to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application October 24, 1936, Serial No. 107,394
3 Claims. (Cl. 50—10)



1. Fluid controlling apparatus comprising a main line valve, fluid pressure operated means for actuating said valve for opening and closing the same, a control valve for controlling the operation of said main valve operating means, a diaphragm for operating said control valve, means for supplying high pressure fluid to one side of said diaphragm, means for supplying fluid under reduced pressure from the source of high pressure fluid to the opposite side of said diaphragm, and a spring acting on the same side of the diaphragm as the side to which the fluid

lever, said second front contact of said relay, and said fourth contact, a resistor, a third indication circuit including said resistor, a back contact of said relay, said fifth contact, and said third contact; and a fourth indication circuit including said resistor, said back contact of said relay, said sixth contact and said fourth contact.

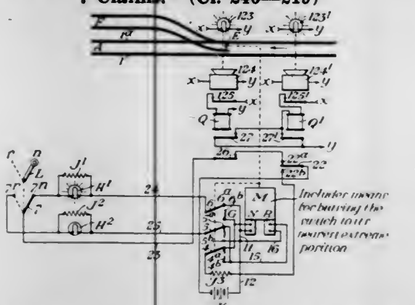
2,082,933

APPARATUS FOR CONTROLLING RAILWAY SWITCHES

Henry S. Young, Wilkinsburg, and Herbert L. Bone, Forest Hills, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Original application December 10, 1935, Serial No. 53,774. Divided and this application November 25, 1936, Serial No. 112,718

7 Claims. (Cl. 246—219)



1. In combination, a railway switch having normal and reverse positions, a switch operating mechanism operatively connected with said switch, said mechanism being provided with means for biasing the switch to its nearest extreme position and with a normal and a reverse magnet and being effective for moving the switch to its normal position or to its reverse position according as said normal or said reverse magnet is energized, a relay controlled by traffic conditions adjacent said switch, a manually operable lever having normal and reverse positions and provided with normal and reverse contacts, a circuit controller operatively connected with said switch, said circuit controller being provided with a first contact which is closed when the switch occupies any position but its normal position, with a second contact which is closed when the switch occupies any position but its reverse position, with a third contact which is closed when and only when the switch occupies its normal position, and with a fourth contact which is closed when and only when said switch occupies its reverse position; two indication lamps, two resistors, a circuit for said normal magnet including a front contact of said relay, a normal contact of said lever, one of said indication lamps connected in multiple with one of said resistors, and said first contact, a circuit for said reverse magnet including said front contact of said relay, a reverse contact of said lever, the other indication lamp connected in multiple with the other resistor and said second contact; a normal indication circuit including said front contact of said relay, said normal contact of said lever, and said third contact; and a reverse indication circuit including said front contact of said relay, said reverse contact of said lever, and said fourth contact, the parts being so proportioned that said indication lamps will become lighted when and only when the associated indication circuit is closed.

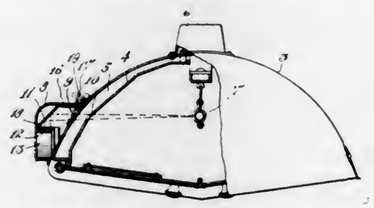
2,082,934

ULTRAVIOLET RAY APPARATUS

William T. Anderson, Jr., Newark, and Carl J. Larsen, East Orange, N. J., assignors to Hanovia Chemical and Manufacturing Company, Newark, N. J., a corporation of New Jersey

Application February 18, 1937, Serial No. 126,424

9 Claims. (Cl. 128—396)



1. In an ultraviolet ray apparatus for therapeutic purposes, a hood having an ultraviolet ray generator mounted therein, a casing mounted on the hood, said hood having an opening communicating with said casing, a reflecting mirror mounted in said casing, said mirror and opening and generator being substantially on the same level, a photocell mounted in said casing adjacent the mirror to receive reflected radiations therefrom, and an indicating meter connected to said photocell.

2,082,935

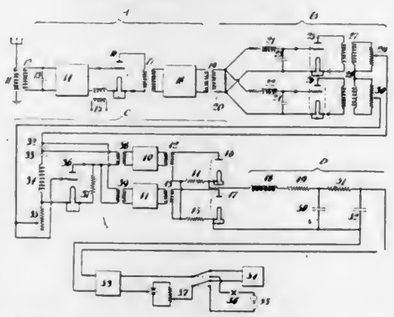
RADIO SIGNALING SYSTEM

Edwin H. Armstrong, New York, N. Y.

Application August 6, 1927, Serial No. 211,046

Renewed November 9, 1933

14 Claims. (Cl. 250—8)



1. The method of reducing the effects in radio signaling of atmospheric disturbances consisting of simultaneously occurring frequencies, which method comprises alternately changing the signaling frequency at the transmitting station, impressing the signal oscillations of different frequencies successively upon the receiving system, causing the successively applied different signal frequencies to act cumulatively in producing indications, causing the received atmospheric frequencies to act differentially with respect to each other to reduce their interference with the production of the signal-representing indications, and adjusting the differential action under varying conditions to cause the effect produced by a portion of the received disturbances to be substantially equal to the opposite effect produced by the remainder of the received disturbances.

said lamps connected in multiple with one of said resistors, a control circuit for said reverse magnet including the other lamp connected in multiple with the other resistor, an indication circuit controlled in accordance with the position of said switch and including said one lamp connected in multiple with said one resistor, and another indication circuit controlled in accordance with the position of said switch and including said other lamp connected in multiple with said other resistor, the parts being so proportioned that said indication lamps will only become lighted when the associated indication circuit is closed.

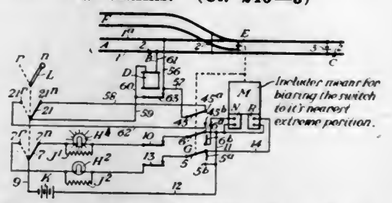
2,082,931

APPARATUS FOR CONTROLLING RAILWAY SWITCHES

Henry S. Young, Wilkinsburg, and Herbert L. Bone, Forest Hills, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Original application December 10, 1935, Serial No. 53,774. Divided and this application October 31, 1936, Serial No. 108,646

4 Claims. (Cl. 246—3)



1. In combination, a stretch of railway track provided with a railway switch having normal and reverse positions, a switch operating mechanism operatively connected with said switch, said switch operating mechanism being provided with means for biasing the switch to its nearest extreme position and with a normal and a reverse magnet and being effective for moving the switch to its normal position or its reverse position according as said normal or said reverse magnet is energized, a manually operable lever having normal and reverse positions and provided with normal and reverse contacts, a circuit controller operatively connected with said switch, said circuit controller being provided with a first contact which is closed when the switch occupies any position but its normal position, with a second contact which is closed when the switch occupies any position but its reverse position, with a third contact which is closed when and only when the switch occupies its normal position, with a fourth contact which is closed when and only when the switch occupies its reverse position, with a fifth contact which is closed when and only when the switch occupies its normal position, and with a sixth contact which is closed when and only when the switch occupies its reverse position, a track section formed in said stretch and extending in opposite directions from said switch, a track relay, a first pickup circuit for said track relay including the rails of said track section, a normal contact of said lever and said fifth contact of said circuit controller, a second pickup circuit for said track relay including the rails of said track section, a reverse contact of said lever, and said sixth contact of said circuit controller; a stick circuit for said track relay including its own front contact and the rails of said section; two indication lamps, a circuit for the normal magnet including a normal contact of said lever, one of said indication lamps, a first front contact of said track relay, and said first contact of said circuit controller, a circuit for the reverse magnet including a reverse contact of said lever, the other indication lamp, a second front contact of said relay, and said second contact of said circuit controller; a normal indication circuit including a normal contact of said lever, said one indication lamp, said first front contact of said track relay, and said third contact of said circuit controller, and a reverse indication circuit including a reverse contact of said lever, said other indication lamp, said second front contact of said relay, and said fourth contact of said circuit controller.

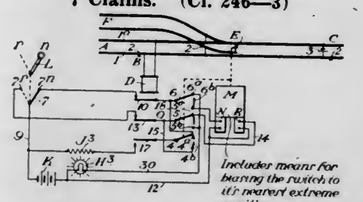
2,082,932

APPARATUS FOR CONTROLLING RAILWAY SWITCHES

Henry S. Young, Wilkinsburg, and Herbert L. Bone, Forest Hills, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Original application December 10, 1935, Serial No. 53,774. Divided and this application November 14, 1936, Serial No. 110,884

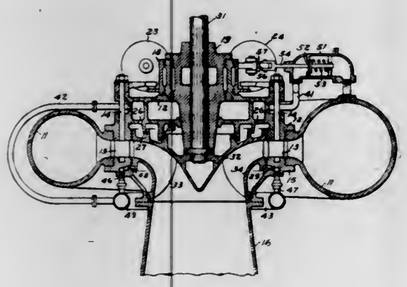
7 Claims. (Cl. 246—3)



1. In combination, a railway switch having normal and reverse positions, a switch operating mechanism operatively connected with said switch, said mechanism being provided with means for biasing the switch to its nearest extreme position and with a normal and a reverse magnet and being effective for moving the switch to its normal position or to its reverse position according as said normal or said reverse magnet is energized, a relay controlled by traffic conditions adjacent said switch, a manually operable lever having normal and reverse positions and provided with normal and reverse contacts, a circuit controller operatively connected with said switch, said circuit controller being provided with a first contact which is closed when the switch occupies any position but its normal position, with a second contact which is closed when the switch occupies any position but its reverse position, with a third contact which is closed when and only when the switch occupies its normal position, with a fourth contact which is closed when and only when said switch occupies its reverse position, with a fifth contact which is closed when the switch occupies any position between its mid stroke position and its normal position, and with a sixth contact which is closed when the switch occupies any position between its mid stroke position and its reverse position; a circuit for said normal magnet including a normal contact of said lever, a first front contact of said relay, and said first contact; a circuit for said reverse magnet including a reverse contact of said lever, a second front contact of said relay, and said second contact; a first indication circuit including a normal contact of said lever, said first front contact of said relay, and said third contact; a second indication circuit including a reverse contact of said

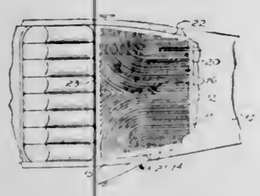
box relatively to the lay during the time that the shuttle box moves toward the magazine first to move the cover to box opening position to permit reception of a reserve shuttle from the magazine by the box and thereafter as the shuttle box continues to approach the magazine to move the cover to box closing position.

2,082,927
HYDRAULIC TURBINE
William M. White, Milwaukee, Wis.
Application September 23, 1935, Serial No. 41,732
11 Claims. (Cl. 253—117)



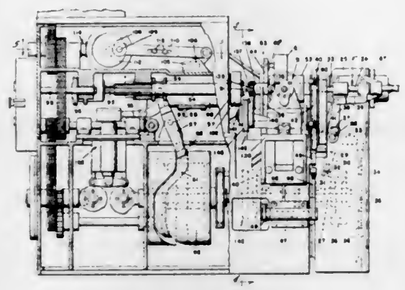
1. In a hydraulic turbine installation having adjacent rotating and stationary portions, a source of hydraulic pressure supplying the turbine, means for controlling the connection of the turbine with said source, and means for connecting said source with the spaces between the adjacent rotating and stationary portions of the turbine to supply hydraulic pressure to such spaces for cooling the several portions thereof and operable responsive to movement of the first said means to control connection of the second said means.

2,082,928
VEHICLE FLOOR MAT
Helen M. Wilhelmy, Shaker Heights, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio
Application May 11, 1935, Serial No. 21,014
5 Claims. (Cl. 296—1)



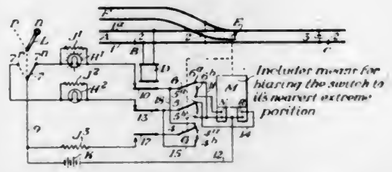
1. A vehicle floor mat comprising a wear sheet of rubber or the like having ribs and grooves molded thereon in an arrangement to facilitate cleaning, said ribs and grooves starting adjacent one end of the sheet and extending longitudinally for a substantial portion of the length of the sheet and then curving outwardly and terminating adjacent a side of the sheet.

2,082,929
METALWORKING MACHINE
George F. Yager, Oliver J. Heath, and Harold E. Wagner, Toledo, Ohio, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio, a corporation of Ohio
Application April 24, 1935, Serial No. 18,046
23 Claims. (Cl. 29—38)



1. In a metal working machine, a station comprising a plurality of work performing devices spaced from each other, means for holding a plurality of articles to be fashioned at said station with an edge of one article in juxtaposition to an edge of an adjacent article and with each article in registration with one of said devices simultaneously, means for actuating the devices to perform their respective operations on the articles in registration therewith, and means operable in timed relation to the operation of said devices for advancing articles through the work holding means to successively position the articles in registration with each of said devices.

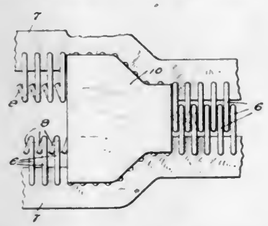
2,082,930
APPARATUS FOR CONTROLLING RAILWAY SWITCHES
Henry S. Young, Wilkinsburg, and Herbert L. Bone, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 10, 1935, Serial No. 53,774
18 Claims. (Cl. 246—219)



14. In combination, a railway switch having normal and reverse positions, a switch operating mechanism operatively connected with said switch and provided with a normal and a reverse magnet and effective for moving the switch to its normal or its reverse position according as said normal or said reverse magnet is energized, two indication lamps, two resistors, a control circuit for said normal magnet including one of

tapes may be brought into abutting relation with said extending portions in interleaving relation, said extending portions being formed with interlocking means for holding the fastener members against lateral separation.

2,083,279
SLIDING FASTENER
Sverre Quisling, Madison, Wis., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application February 9, 1934, Serial No. 710,501
4 Claims. (Cl. 24—205)



1. A fastening device of the class described comprising a pair of flexible tapes having meeting edges to be fastened, rows of fastener elements secured to said meeting edges in uniformly spaced relation, each element comprising a length of wire, with one end piercing the tape adjacent its edge and bent down on the opposite side of said tape to secure the same in position, and the other end projecting outwardly from the edge of the tape and bent to form a loop, the extreme end of the wire bent to extend out of the plane of the loop to interlock in a loop of a similar member on the opposite row.

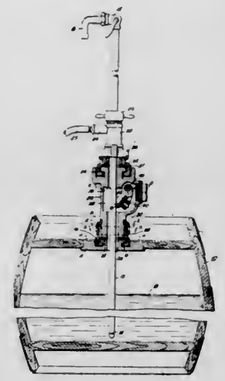
2,083,280
HIGH QUALITY PRODUCTS FROM CELLULOSE
Erik Bror Fredrik Sunesson, Skoghall, Sweden
No Drawing. Application June 29, 1934, Serial No. 733,127. In Sweden July 5, 1933
2 Claims. (Cl. 8—2)

1. A process for the production of purely white, strongly absorbing, highly viscous cellulose from alkali-liberated cellulose pulp, consisting in first subjecting the cellulose to the action of a quantity of hypochlorite up to 60% of the quantity necessary for complete bleaching consumption, then washing the substance and subjecting the washed substance to the action of a quantity of chlorine in an amount just sufficient to effect complete saturation of the treated cellulose, removing the reaction products, then treating the substance with an alkaline solution up to the point of mercerization to effect an increase of the alpha content, then bleaching the substance with hypochlorite until the desired whiteness is obtained and in subjecting the substance to the action of diluted acid.

2,083,281
BEER TAP FITTING
Fred M. Spayd, Van Wert, Ohio
Application December 19, 1934, Serial No. 758,307
7 Claims. (Cl. 225—3)

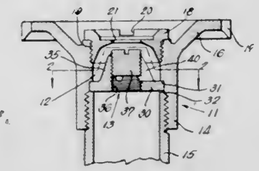
2. In combination, a liquid dispensing pressure tank, a quickly detachable connection on said tank having a passage therethrough, said connection having a bayonet attachment at its low-

er end providing for quick fastening to the tank and having an opposed complementary bayonet attachment at its other end, a liquid withdrawal tube removably inserted in said passage and communicating with a low point in the tank, a self-closing valve in said connection adapted to close said passage and to be opened by the end



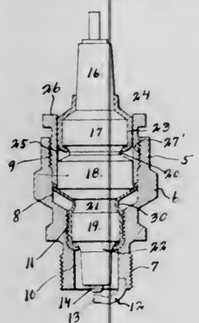
of said tube and to be held open by said tube, means provided beyond said valve for sealing the joint between said tube and connection, and means for supplying gas under pressure to said connection on the outer side of said tube, whereby the liquid withdrawal tube can be removed and the pressure in the tank maintained.

2,083,282
SPRINKLER HAVING ADJUSTABLE PORT OPENINGS
Walter Van E. Thompson, Los Angeles, Calif., assignor to Thompson Manufacturing Company, Los Angeles, Calif., a corporation of California
Application May 8, 1935, Serial No. 20,378
9 Claims. (Cl. 299—60)



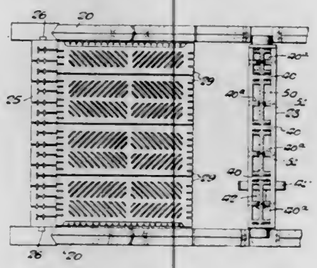
8. In a sprinkler, the combination of: a shell having side and end walls defining a single unobstructed chamber, there being an outlet orifice in one of said end walls; and flow control means for controling the flow of fluid through said sprinkler comprising a projection extending into said chamber from the end wall opposite said outlet orifice in alignment with said outlet orifice, said projection having an inlet orifice formed therein, and a closure member threadedly secured to said projection so as to be longitudinally adjustable thereon, and walls forming ports in said flow control means for directing fluid from said inlet orifice to said chamber, the effective size of said ports being determined by the longitudinal position of said closure member, the fluid introduced into said chamber flowing unobstructedly into said outlet orifice.

2,083,283
SPARK PLUG
Eugene C. Wamelink, Cleveland, Ohio; T. Edward McNamara administrator for Eugene C. Wamelink, deceased
Application October 2, 1935, Serial No. 43,242
5 Claims. (Cl. 123—169)



1. An ignition device of the character described comprising a shell, a stationary electrode secured to the lower end of the shell, an adjustable electrode mounted in the shell, an insulator having an enlarged shoulder, a threaded collar surrounding the shoulder threaded into the shell and means upon the upper end of the shell and insulator for indicating the distance between the stationary and adjustable electrodes.

2,083,284
GRATE BAR
Charles A. Warg, Scranton, Pa., assignor to McClave-Brooks Company, Scranton, Pa., a corporation of Pennsylvania
Original application March 13, 1928, Serial No. 261,361. Divided and this application November 5, 1934, Serial No. 751,618
3 Claims. (Cl. 126—180)



2. A grate bar consisting of a pair of elongated vertical side walls held in spaced parallel relation by a plurality of integral transverse walls, said walls forming a series of open opposed vertical cells or sockets, a pair of vertical ribs in each cell projecting inwardly from the central portion of opposite side walls, a grate top for each cell having a depending portion which has the form of an I-beam in horizontal cross section and having its web located between the ends of said ribs, the flanges of said depending portion being spaced from said ribs for providing air cells, and a split pin passing thru said web and engaging the bottom edges of the side walls and of said ribs, thereby leaving the air cells open at the bottom.

2,083,285
CARRIER COMPRISING A DIAZONIUM COMPOUND AND METHOD OF OBTAINING CONTRASTS
Roelof Jan Hendrik Alink, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
No Drawing. Application September 24, 1934, Serial No. 745,347. In Germany October 9, 1933
7 Claims. (Cl. 95—6)

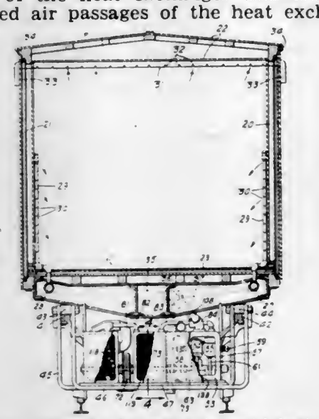
1. As a new photographic material, a carrier provided with a light-sensitive layer comprising as a light-sensitive material a benzene diazonium compound containing a hydroxyl group in ortho-position relative to the diazonium group, a sulphonic acid group in para-position relative to the hydroxyl group and in a meta-position relative to the diazonium group, there being no substituents between the sulphonic acid group and the diazonium group, and one of the radicals selected from the group consisting of methyl and phenyl being present in one of the remaining free places of the nucleus, said diazonium compound having furthermore the following three properties, first, that upon actinic illumination of the layer it forms as a light-decomposition product a phenol which is substituted in the benzene nucleus and is oxidizable by non-decomposed diazonium compound to form colored oxidation products; secondly, that in the milieu of the light-sensitive layer the speed of oxidation of the phenol is greater than the speed at which the diazonium compound could couple with the phenol to form an azo dye; and thirdly, that with a strong actinic illumination the photo-chemical decomposition of the diazonium compound is much faster than is the formation of the colored oxidation products.

4. The process of making light prints, comprising the steps, forming a light-sensitive layer by applying to a carrier a light-sensitive substance comprising a benzene diazonium compound containing a hydroxyl group in ortho-position relative to the diazonium group, a sulphonic acid group in para-position relative to the hydroxyl group and in meta-position relative to the diazonium group, there being no substituents between the sulphonic acid group and the diazonium group, and one of the radicals selected from the group consisting of methyl and phenyl being present in one of the remaining free places of the nucleus, selectively illuminating said layer with actinic light to partly decompose the diazonium compound on selected weakly-illuminated portions and to form a phenol substituted in the benzene nucleus, oxidizing said phenol by the non-decomposed part of the diazonium compound present at said weakly-illuminated portions at a rate which is greater than the rate at which the diazonium compound could couple with the phenol to form an azo dye and to thereby form on said weakly illuminated portions a colored oxidation product, and substantially completely photochemically decomposing during the exposure to the actinic light the diazonium compound on the strongly-exposed portions at a rate greater than the rate of oxidation of the phenol.

2,083,286
VEHICLE AIR CONDITIONING SYSTEM
Thomas A. Banning, Jr., Wilmette, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Original application September 29, 1930, Serial No. 485,170. Divided and this application February 14, 1935, Serial No. 6,478
6 Claims. (Cl. 257—7)

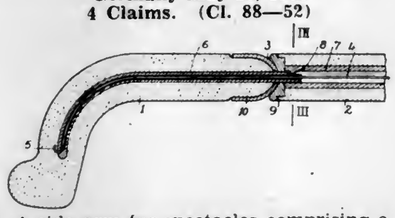
1. Means for delivering a supply of cooled air

comprising a compressor, a heat exchanger having compressed air passages and also having cooling air passages, an air motor, connections from the air compressor to the compressed air passages of the heat exchanger and from the compressed air passages of the heat exchanger



to the air motor, and means in said last named connections for interrupting flow of compressed air from the heat exchanger passages to the air motor when the pressure within the compressed air passages of the heat exchanger is less than a certain amount, substantially as described.

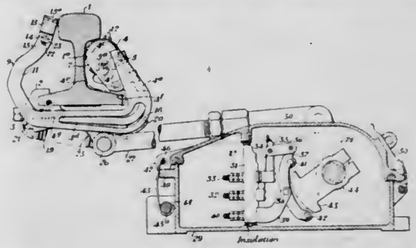
2,083,287
FRAMES OF SPECTACLES AND THE LIKE
Ferdinand Birkenstein, Frankfort-on-the-Main, Germany
Application April 25, 1936, Serial No. 76,424. In Germany May 16, 1935
4 Claims. (Cl. 88—52)



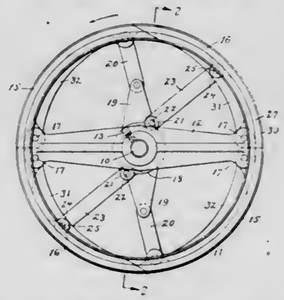
1. A side arm for spectacles comprising a stationary part having a longitudinal bore therein, a movable curved part also having a longitudinal bore therein, said curved part being adapted to fit behind the ear, and a resilient wire connecting said parts, freely mounted in said bores, one end of said wire being fastened to the stationary part and the other to the movable part, said parts and the wire being co-axially mounted, the connections of the wire and the side arms being remote from the junction between said parts, the outer part of the side arm being rotatable only about the common axis of the parts to torsion the wire.

2,083,288
TRACK RAIL CONTACTOR
Herbert L. Bone, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 22, 1935, Serial No. 2,849
4 Claims. (Cl. 246—246)

1. In combination with a track rail, a treadle support comprising two spaced end members connected together by a web, each said end member being formed with a base portion which projects under the base flange of the rail and with an integral upwardly extending angle bar portion which snugly fits the fishing space of the rail on the outer side of the rail and which forms with the base portion a pocket which receives the base flange of the rail on one side of the rail, means for securely clamping said support to the rail, two outwardly facing axially aligned journals one disposed in the upper portion of each end member of said support, each said journal being provided at its outer end with a flattened portion which cooperates with a lug on the adjacent end member to provent the journal from turning, a treadle provided with trunnions which extend into said journals and with wheel engaging means located on the opposite side of the rail from said trunnions, and means for biasing said treadle to a position in which each car wheel which passes said treadle will engage said treadle at said wheel engaging means and cause rotation of said treadle in opposition to the bias of said biasing means.

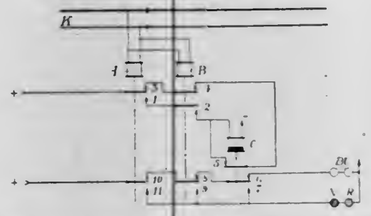


2,083,289
TIRE BUILDING FORM
Henry C. Bostwick, Coventry Township, Summit County, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application August 14, 1936, Serial No. 96,059
3 Claims. (Cl. 154—9)



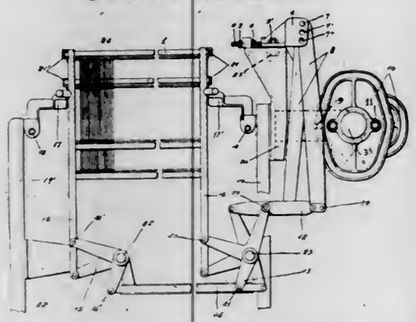
1. Tire-building apparatus comprising a rotary segment support, a drum body composed of pivoted segments carried by said support and having their ends in overlapping and underlapping relation, and toggle mechanism for collapsing the drum, comprising a control member rotatable concentrically with or relative to said support, relatively long links connecting said member with the overlapping segments and arranged in pairs with members on opposite sides of a median radial plane of the drum, and relatively short links located in a plane between the long links and connecting said member with the underlapping segments.

2,083,290
AUTOMATIC SIGNALING SYSTEM FOR RAILWAYS
Georges Caille, Vaujours, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 3, 1935, Serial No. 19,734
In France November 14, 1934
22 Claims. (Cl. 246—41)



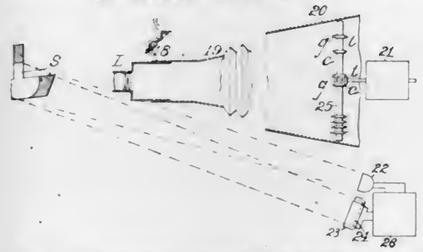
1. In combination with a section of railway track, a pair of track relays both receiving energy from the rails of said section, an auxiliary relay, a pickup circuit for said auxiliary relay effective when both of said track relays are released, a holding circuit for said auxiliary relay effective when both of said track relays are energized, and traffic governing apparatus controlled by both said track relays and said auxiliary relay.

2,083,291
MECHANISM FOR THE WORKING AND REGULATION OF THE HEALDS COURSE
Juan Picañol Camps, Barcelona, Spain
Application March 20, 1935, Serial No. 12,055
In Spain January 30, 1935
4 Claims. (Cl. 139—58)



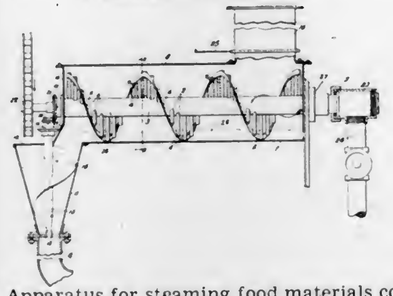
1. Mechanism for working and regulating the heald frames, comprising in combination for each frame a grooved cam, a straight lever stationary at one end, a pivot pin supporting the upper end of said lever, a roller mounted at a point intermediate the length of said lever and cooperating with said cam to oscillate said lever about said pin, a three-armed lever oscillatably mounted at a point below one side of said frame, a link connecting the lower end of said straight lever to one arm of said three-armed lever to transmit the oscillating movement of said straight lever to said three-armed lever, a bell-crank lever oscillatably mounted at a point below the other side of said frame, a connecting rod connecting a second arm of said bell crank lever to transmit the movement of said three-armed lever to said bell crank lever, and two parallel vertically slidable bars connected at their lower ends one to the third arm of said three-armed lever and the other to the second arm of said bell crank lever and at their upper ends one to each side of said frame to vertically displace said frame during the oscillation of said bell crank lever and said three-armed lever.

2,083,292
DIAVISION
Aloysius J. Cawley, Pittston, Pa.
Application January 30, 1930, Serial No. 424,748
16 Claims. (Cl. 250—1)



2. In combination: means for forming an invisible image of electromagnetic waves reflected from objects and means placed substantially in the focal plane of said invisible image to convert said invisible image into a visible image by the action of said electromagnetic waves constituting said invisible image upon the said means.

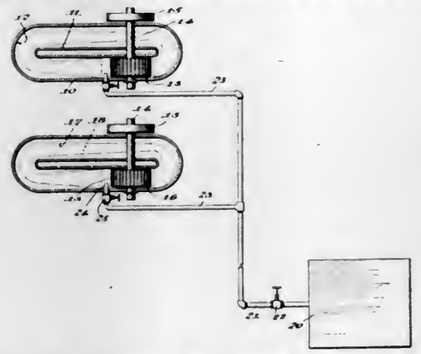
2,083,293
VEGETABLE STEAMER
Silas H. Champlin, San Leandro, Calif., assignor to The Nielsen Corporation, Ltd., Oakland, Calif., a corporation of California
Application February 20, 1934, Serial No. 712,134
2 Claims. (Cl. 53—18)



1. Apparatus for steaming food materials comprising a spiral conveyor operating in a closed casing arranged to receive material at one end and discharge at the other, said conveyor provided with a hollow drive shaft, a ribbon spiral conveyor flight secured to the shaft by means of a plurality of radially extending small pipes opening to the bore of the shaft, said ribbon flight being carried at the outer ends of the small pipes spaced from the hollow shaft and said small pipes closed on their outer ends and perforated with small holes arranged at an angle adapted to emit steam to impinge the material being conveyed, and urge the same forward in direction of travel of the material, and means for admitting steam to said hollow drive shaft.

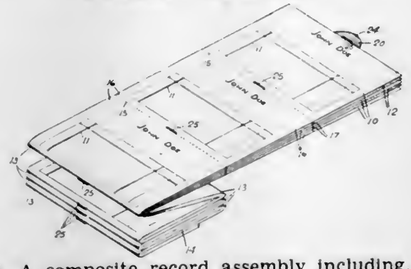
2,083,294
PROCESS FOR BLEACHING PULP
Francis J. Cirves, Manistee, Mich.
Application May 16, 1932, Serial No. 611,692
2 Claims. (Cl. 8—2)

1. A process of bleaching pulp for the manufacture of paper which comprises thoroughly mixing fibrous pulp with hydrated lime and then injecting free liquid chlorine into the mixture of the pulp and lime while the mixture is being agitated, the quantity of chlorine injected being



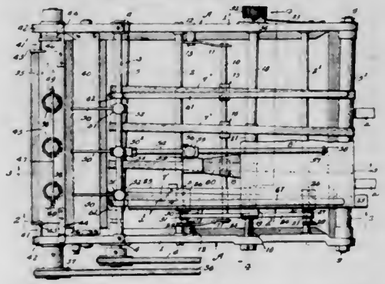
from two to twenty-five percent of the weight of the pulp, the approximate proportions of chlorine and lime being 1 to 1.5 so that an alkaline condition will be maintained during the bleaching action.

2,083,295
COMPOSITE RECORD ASSEMBLY
De Witt I. Conklin, Syracuse, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc., a corporation of Delaware
Application March 2, 1932, Serial No. 596,177
6 Claims. (Cl. 282—12)



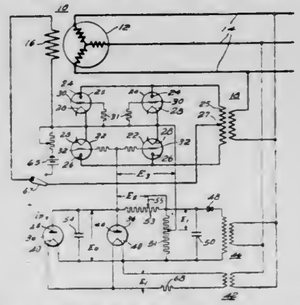
1. A composite record assembly including, in combination, a plurality of record strips and at least one transfer strip relatively superposed in manifolding relation and each having similarly longitudinally spaced transverse weakened severance lines arranged in groups for simultaneous severance of the strips therealong, said severance lines of each group being in alignment with each other depthwise of the assembly, said transfer strip severance line of each group having parts longitudinally deviating from the other parts thereof and from other lines of the same group so as to provide, upon severance along the respective severance lines, a longitudinally protruding selective grip extension narrower than the strips and inwardly spaced from each of the longitudinal assembly edges, said deviating parts of the transfer strip severance lines being weakened to a greater extent than said other parts thereof and being spaced at opposite ends from said other parts of the lines to form short, supporting integral strip sections positioned substantially in alignment with said other parts of the lines and between the latter and said deviating part so as to provide supports for the parts of the strip lying between the adjacent angularly disposed parts of the weakened severance lines, and a binder at each group of severance lines binding the strips together but spaced from said longitudinally deviating line part and being positioned directly at said grip extensions and substantially in transverse alignment with said integral sections and lying directly in the line of said other line parts.

2,083,296
BLANK CONVEYER BOARD
William Ward Davidson, Evanston, Ill.
Application September 27, 1935, Serial No. 42,448
3 Claims. (Cl. 271—48)



1. In a conveyer board for the purpose specified, the combination of a frame, blank feeding means mounted thereon comprising feed rollers, including a driven roller, tapes adjusted to said rollers, a register guide for effecting alignment of fed blanks with associated devices, comprising a register guide proper, means for adjusting said register guide proper transversely of the conveyer board, and spaced projections which depend therefrom, between which the feed tape proximate said register guide passes.

2,083,297
REGULATING SYSTEM
Finn H. Gulliksen and John W. Dawson, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 3, 1934, Serial No. 751,361
5 Claims. (Cl. 171—119)



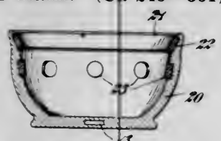
1. Regulating apparatus for an alternating-current dynamo-electric machine comprising a circuit for supplying an exciting current to the machine, a grid-controlled rectifier tube for adjusting the magnitude of said current, a detector tube having an anode and a filamentary cathode, a circuit energized by the voltage of said machine and including a rectifier and an impedor for impressing a unidirectional potential between the elements of said detector tube, means for energizing said cathode by a current determined by a characteristic of the machine to be maintained constant, and means for impressing the voltage drop across said impedor upon the grid of said grid-controlled tube.

2,083,298
RAIL JOINT BAR
William C. Hedgcock, Wilmette, and Robert B. Cottrell, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 16, 1933, Serial No. 693,694
9 Claims. (Cl. 238—258)



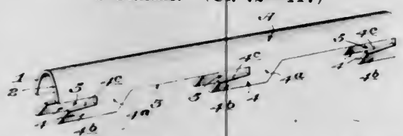
1. In a rail joint, the combination of opposing rail ends having heads and flanges provided with inclined surfaces, a bar provided with a medial section of relatively large cross-sectional area and integral end sections extending therefrom and having the cross-sectional area thereof decreasing toward the ends thereof, said medial section having frictional and interlocking engagement between said rail heads and flanges at the adjacent ends of said rails, the section moduli of said bar substantially uniformly decreasing from a point within said medial section to the ends of said end sections to prevent undue stress concentration at any point in said bar, said end sections having flange contacting surfaces adapted to move upwardly and inwardly thereover, and means for drawing in said end sections about the rail cooperating points of the medial section thereof.

2,083,299
DEVICE FOR HOLDING UTENSILS ON TABLES OR SIMILAR SURFACES
Alfred Henry Hunter, London, England
Application September 20, 1934, Serial No. 744,849
In Great Britain September 21, 1933
1 Claim. (Cl. 248—361)



A holding device for basin-like utensils comprising a bowl-shaped container open at its upper end and formed with an outwardly flared upper edge to provide a surface receiving and supporting the utensil at varying angles, the upper portion at least of said container being formed of rubber to provide a friction grip on the inserted utensil and a base forming part of said container and designed to provide for securing the container to a support.

2,083,300
RIB ATTACHMENT FOR METAL LATH
William G. Hurlbert, Jr., Niles, Ohio, assignor to The Bostwick Steel Lath Company, Niles, Ohio, a corporation of Ohio
Application August 17, 1936, Serial No. 96,489
2 Claims. (Cl. 72—117)



1. An attachable and detachable stiffening rib for expanded metal lath, said rib including a wall of sheet metal to be seated at one edge against one face of the metal lath and to have a substantially perpendicular relationship to the lath when applied thereto, hook members formed as integral portions of said wall, said hook members extending from said edge of said wall at spaced intervals therealong and being disposed in the plane of said wall, each hook member including a portion spaced from said edge of said wall and a portion joining one end of said spaced portion to said wall, said portions being of a depth and length, respectively, effectively to prevent bending of the hook members in their planes, the first mentioned portion of each hook member cooperating with said edge of said wall to define a wedge-shaped slot diminishing in depth from its open end, said rib thus being adapted to be seated at its said edge against a face of a sheet of expanded metal lath with its hook formations extending through voids in the lath and with the open ends of its slots alined with web portions of the lath and to be then driven longitudinally relative to the lath to effect its firm attachment thereto by the wedging cooperation with said webs of the edges defining said slots.

2,083,301
KNITTED FABRIC
Thomas Henry Jones, Woodthorpe, England
Application September 16, 1935, Serial No. 40,851
In Great Britain September 18, 1934
2 Claims. (Cl. 66—50)



1. A method of knitting which consists in forming stitch loops on needles, spreading at least one stitch loop from the needle on which it was formed onto an adjacent needle also, drawing the spread loop through the existing stitch loop on said adjacent needle and casting off said existing loop, and forming new stitch loops on the needles.

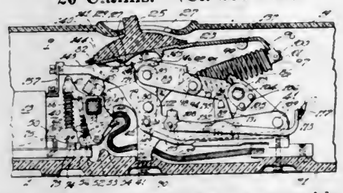
2,083,302
MANUFACTURE OF CANNED REFRESHING FOOD
Kintaro Kimura, Tokyo-Shi, Japan
No Drawing. Application June 15, 1936, Serial No. 85,433. In Japan July 10, 1935
1 Claim. (Cl. 99—182)

A method for the manufacture of canned refreshing foods which consists in first subjecting steeped peas to a heat sterilization at a temperature exceeding 100° C., next, adding treacle, jelly pieces in desired shape with or without other material, such as pieces of fruits and cakes thereto in a tin can, and expelling air from the tin can, finally, tightly sealing the tin can and subjecting to a heat sterilization at a relatively low temperature such as 70°–80° C. and rapidly cooling the same.

2,083,303
PRODUCTION OF ACTIVATED CARBON
Franz Krczil, Aussig on the Elbe, Czechoslovakia
No Drawing. Application January 24, 1936, Serial No. 60,704. In Great Britain January 21, 1935
3 Claims. (Cl. 252—3)

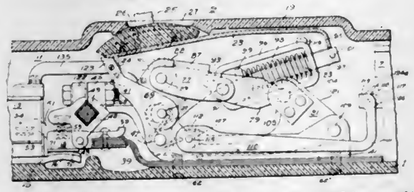
2. The preliminary treatment of organic raw material which is to be manufactured into shaped pieces of active carbon which consists in mixing the raw material with an activating agent of the group consisting of zinc chloride and phosphoric acid in solution, stirring said mixture and simultaneously heating it to a temperature greater than 100° C. and less than 200° C., said stirring and heating being continued for one to one and a half hours, then immediately molding the resulting hot plastic and partially carbonized mass into the desired shapes under pressure.

2,083,304
CIRCUIT BREAKER
Ture Lindstrom, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 24, 1933, Serial No. 667,624
Renewed November 4, 1936
20 Claims. (Cl. 200—89)



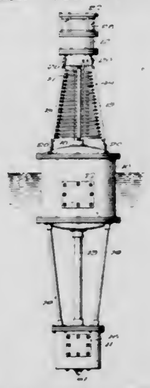
1. In a circuit interrupter, a movable switch member for opening and closing the circuit, and an operating mechanism for said switch member including a pair of toggle links, an operating member, and a spring means for operatively connecting the knee of said toggle links with said operating members, said operating mechanism having releasable latch means associated therewith for holding said switch member in one position, said operating member having means for engaging and releasing said releasable latch means when said operating member is moved to a predetermined position.

2,083,305
CIRCUIT INTERRUPTER
Harry J. Lingal, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 14, 1932, Serial No. 637,749
17 Claims. (Cl. 200—89)



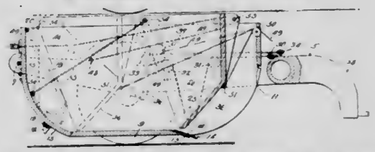
1. In a circuit interrupter, a movable switch member for opening and closing the circuit, and an operating mechanism for said switch member including a pair of toggle links, an operating member, an overcenter spring for operatively connecting the knee of said toggle with said operating member, and a releasable trigger means for said toggle links movable to open the circuit, in response to a predetermined electrical condition, independent of the position of said operating member, said releasable trigger means including a pair of pivoted levers each of large mechanical advantage.

2,083,306
SUNKEN SHIP MARKER AND RELIEF BUOY
James Bernard Rooke, Richmond, Va.
Application October 11, 1934, Serial No. 747,974
17 Claims. (Cl. 114—16.5)



1. A relief buoy for sunken vessels comprising a float, ballasting means secured beneath said float, a buoy head spaced above said float, an electric beacon disposed within said buoy head, a central tube extending upwardly from said float, supporting said buoy head and beacon, and serving as a waterproof conduit for the supply lines for said beacon, stay members extending upwardly from the top of said float adjacent its periphery and connected, at their upper ends, to said head, and a helically wound radio antenna having its several turns rigidly supported by said head-staying members, said antenna having an electrically-insulated lead-in connection extending into said head tube in hermetically sealed association therewith, and extending downwardly through said central tube.

2,083,307
GRADING MACHINE
Jesse E. Schultz, Albany, Wis.
Application April 9, 1936, Serial No. 73,564
4 Claims. (Cl. 37—129)



2. A road machine comprising a frame, a body portion having a discharge end, pivotally mounted on the frame, said body portion having an opening in the bottom thereof, a blade mounted adjacent to the opening and adapted to direct material into the body portion, a pusher slidably mounted in the body portion and pivoted with respect to the body portion, means for moving the pusher longitudinally of the body portion to force material from the body portion, and means for swinging the pusher vertically to clear material in the body portion when the pusher moves towards the front end of the body portion.

2,083,308

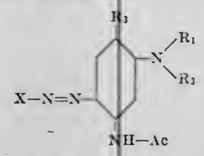
MONOAZO-DYESTUFFS AND THEIR MANUFACTURE

Emil Senn, Reihen, near Basel, Switzerland, assignor to the firm of J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application July 23, 1936, Serial No. 92,209. In Great Britain August 27, 1935

18 Claims. (Cl. 260—97)

11. Water-insoluble monoazo-dyestuffs of the following general formula:



wherein Ac means an acyl radical selected from the group consisting of HCO—, CH_3CO—, C_2H_5CO—, C_3H_7CO—, $C_{11}H_{23}CO$—, C_2H_4OHCO—, NH_2CH_2CO—, $(alkyl)_2NCH_2CO$; R_1 represents a radical selected from the group consisting of methyl, ethyl, propyl, butyl, β-hydroxyethyl, β,γ-dihydroxypropyl and β-hydroxy-γ-alkoxypropyl, R_2 represents a member of the group consisting of R_1 and hydrogen and R_3 represents a member selected from the group consisting of H, CH_3, OCH_3 OC_2H_5 and OC_4H_9, X being the radical of a diazo compound free from groups lending solubility in water, said dyestuffs being in general of good solubility in alcohols, ketones, hydrocarbons, oils, waxes and so on, as well as some of them in cellulose esters and ethers and yielding tints from yellow, red, violet, blue to green blue of good fastness.

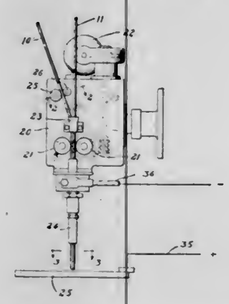
2,083,309

METHOD AND APPARATUS FOR WELDING

Robert R. Applegate, Shaker Heights, Ohio

Application January 9, 1935, Serial No. 1,020

8 Claims. (Cl. 219—8)



1. A method of feeding electrode sections to an arc comprising passing two electrode sections that are coated except for a longitudinally extending strip, through the head of a welding machine, applying current to one of the sections and joining the two sections together along the uncoated strips.

7. An electric welding apparatus comprising in combination, a welding head, two electrode sections, means for moving them in a converging relationship so as to form a single section just prior to entering the arc area and a contactor engaging at least one of the sections on the inner side thereof, and at a point where the sections are separated.

2,083,310

LINEMAN'S BOOT

Edward Barber, Palatka, Fla.

Application December 30, 1935, Serial No. 56,809

1 Claim. (Cl. 36—73)



In a lineman's boot having a sole, a fitting to reinforce one side of the sole, said fitting being a metallic piece of single right angular cross section, thick and wide next to said one side of the sole and relatively thin and narrow on top of the sole, and securing means driven through said fitting into said side of the sole.

2,083,311

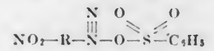
DIAZONIUM SALTS

Gérald Bonhôte and Adolf Wirz, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application March 26, 1936, Serial No. 71,045. In Switzerland April 2, 1935

3 Claims. (Cl. 260—69)

1. The diazonium salts of the general formula



wherein R is a member of the group consisting of the phenylene, alkylphenylene and alkoxyphenylene radicals, which products are light colored powders, dissolving in water and suitable for the manufacture of diazo preparations.

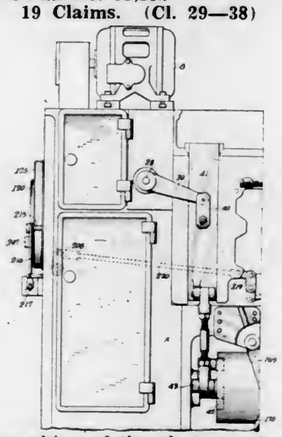
2,083,312

METALWORKING MACHINE

Robert S. Brown, New Britain, and William B. Retz, Plainville, Conn., assignors, by mesne assignments, to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut

Original application July 1, 1931, Serial No. 548,098. Divided and this application January 8, 1936, Serial No. 58,132

19 Claims. (Cl. 29—38)



1. In a machine of the character indicated, a magazine device, a chuck device, a stripper device, transfer means, means for imparting a movement to said transfer device in a direction axially of said chuck device for withdrawing a rough work-piece from said magazine device and simultaneously withdrawing a finished work-piece from said chuck device, and thereafter imparting a different movement to said transfer means for transferring said rough work-piece to said chuck device and simultaneously transferring said finished work-piece to said stripper device.

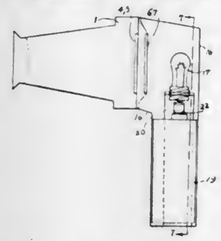
2,083,313

STEREOSCOPE

John B. N. Cardoza, New York, N. Y., assignor of one-half to Wilton Bentley, New York, N. Y.

Application June 25, 1934, Serial No. 732,350

5 Claims. (Cl. 88—29)



1. In combination, a pair of stereoscopic pictures in which the separate pictures record different colors of an object, a stereoscope for viewing the pictures, means to illuminate the pictures, means to vary the intensity of illumination of the respective beams from the two pictures and means to impart differences of color to the separate beams from the pictures.

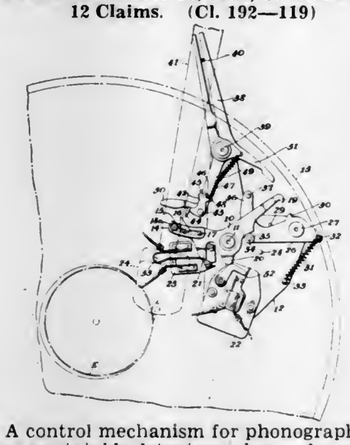
2,083,314

AUTOMATIC STOPPING DEVICE

Benjamin Richardson Carson, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 12, 1931, Serial No. 580,650

12 Claims. (Cl. 192—119)



1. A control mechanism for phonographs comprising a rotatable detent member and a rotatable latch member adapted to engage said detent member to hold it in the "off" position and to be moved to allow said detent member to move into the "on" position, a sound reproducing instrumentality, an actuating lever controlled by said instrumentality and movable in one direction for releasing said detent member for movement into "off" position, and restoring means movable with said actuating lever and adapted to cooperate with said latch member whereby said detent member is freed to move to "on" position by a further operation of said instrumentality in the same direction as the movement causing release of said detent member.

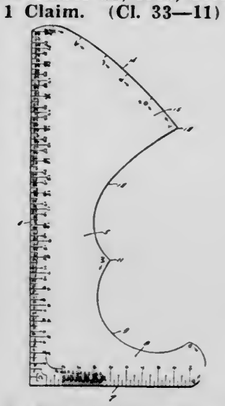
2,083,315

PATTERN DRAFTING INSTRUMENT

Fructuosa Casso, San Antonio, Tex.

Application November 21, 1935, Serial No. 50,937

1 Claim. (Cl. 33—11)



A pattern drafting instrument comprising an elongated plate provided with a laterally extending foot portion at one end thereof, said elongated plate being provided with a longitudinally extending straight edge, said foot portion being provided with a straight edge at right angles to the first mentioned straight edge, said plate being provided with a relatively broad shoulder portion having a gradually reduced curved edge at the opposite end of the plate from the foot portion, and a plurality of semi-circular cut-out portions defining a series of individual curved edges extending inwardly from the top portion of the foot, said semi-circular cut-out portions being curved to correspond to the different body formations of a dress pattern, the end of said foot portion being rounded and said shoulder and foot portions having a sharply defined point of termination with the respective adjacent semi-circular cut out portions.

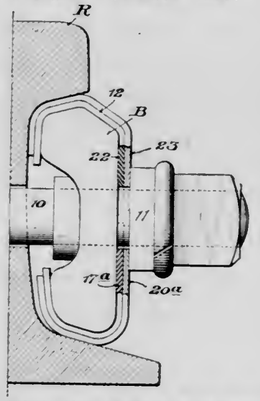
2,083,316

INSULATED RAIL JOINT

Edward A. Condit, Montclair, N. J., assignor, by mesne assignments, to Poor & Company, a corporation of Delaware

Application February 11, 1936, Serial No. 63,420

1 Claim. (Cl. 238—159)



In a rail joint, the rails, a splice bar and cooperating joint fastener elements connecting the rails together, a head piece of insulation and an

overlying metallic shield both extending across the top of the splice bar and downwardly over the upper portion of the outer face thereof, a base piece of insulation and a covering metallic shield both extending across the bottom of the splice bar and upwardly over the lower portion of the outer face thereof, the top edges of said base piece of insulation and its overlying metallic shield being disposed below the bottom edges of the head piece of insulation and its overlying metallic shield, and a bar secured by the joint fastener elements against the lower and the upper marginal portions of the outer side portions of said shields, respectively, and covering the space between said marginal portions.

2,083,317
DEVICE CONTROLLED BY RADIATED ENERGY

Walter Dällenbach, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands

Application December 6, 1934, Serial No. 756,326
In Germany December 22, 1933
10 Claims. (Cl. 297—11)



1. A device for operating switches and the like, comprising, a member adapted to expand or contract under the influence of incident radiative energy, a double walled receptacle encompassing said member, the space between the walls of said receptacle being evacuated, the outer wall of said double walled receptacle being radiation permeable.

2,083,318
CHEESE HOOP

Edward C. Damrow, Fond du Lac, Wis., assignor to Damrow Brothers Company, Fond du Lac, Wis., a corporation of Wisconsin

Application November 28, 1934, Serial No. 755,160
1 Claim. (Cl. 100—55.5)

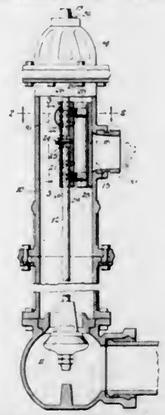


In a cheese hoop of the type described, the combination of a main hoop body having a plain interior uniformly tapering throughout its length and provided with a closure head at its smaller end, and a bandager sleeve fitting into the upper portion of said main body, said bandager sleeve having a plane taper of less than that of said body where it fits into said body and adapted to hold a bandage in contact with the inner wall of said body and having a stop portion engageable with the top of said body to limit the clamping pressure between the sleeve and body when a bandage is interposed therebetween, the tapers of said sleeve and body providing an extensive clamping contact throughout substantially the length of the portion of the sleeve fitting within the body and of gradually increasing pressure from the upper to the lower end of the sleeve.

2,083,319
FIRE HYDRANT

August H. Daviet, Hillside, N. J.

Application October 17, 1936, Serial No. 106,173
5 Claims. (Cl. 137—13)

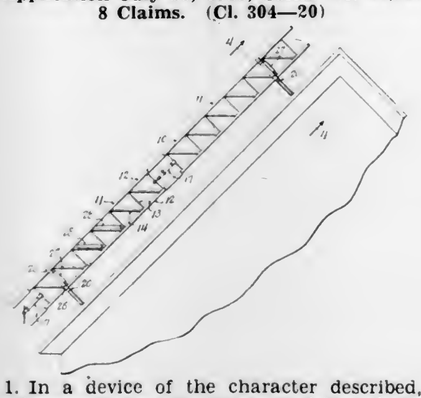


5. A valve attachment for fire hydrants, comprising a cut-off valve curved transversely, a pair of clamping plates adapted to clamp opposite sides of the valve stem of the hydrant, screws connecting said plates, other screws projected through both of said plates, threaded studs on the back of the cut-off valve receiving said screws, and springs interposed between the clamping plates and said studs.

2,083,320
ROOF LAYING SCAFFOLD

Hans H. Doe, Milwaukee, Wis., assignor to Copper Roofs Corporation, Milwaukee, Wis., a corporation of Michigan

Application July 20, 1936, Serial No. 91,557
8 Claims. (Cl. 304—20)



1. In a device of the character described, a platform carrying structure comprising a ladder-like unit having spaced stays and platform receiving rungs, and means for mounting said unit on edge above the roof.

2,083,321
CALCIUM SULPHATE PLASTER

John Stanley Dunn and Francis Robert Himsworth, Norton-on-Tees, and Victor Lefebure, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

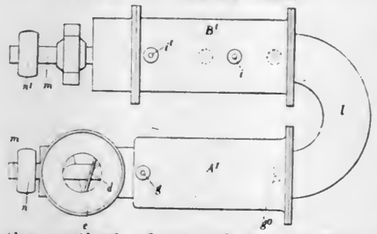
No Drawing. Application June 18, 1936, Serial No. 86,005. In Great Britain June 24, 1935
4 Claims. (Cl. 106—34)

1. A plaster or plaster mix consisting essentially of calcium sulphate hemihydrate and anhydrite, together with a small proportion of at least one accelerator for the hydration of the anhydrite and a small proportion of a retarder selected from the class consisting of soluble citrates, calcium succinate, calcium malate and calcium propionate.

2,083,322
MANUFACTURE OF PROCESSED CHEESE

Bruno Duttweiler, Vevey, Switzerland, assignor to Raw Products Limited, London, England, a company of England

Application June 14, 1935, Serial No. 26,607
In Great Britain June 21, 1934
1 Claim. (Cl. 99—115)

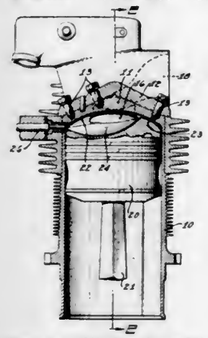


In the method of manufacturing processed cheese, the steps comprising reducing raw cheese to a pasty consistency, drawing the pasty mass of cheese into a thin, continuous, ribbon-like layer of uniform thickness, and successively moving the cheese so drawn along an externally heated surface, an intermediate, non-heated section and again moving the cheese drawn into a thin uniform layer along another heated surface.

2,083,323
INTERNAL COMBUSTION ENGINE

Herbert C. Edwards, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application February 25, 1931, Serial No. 518,104
6 Claims. (Cl. 123—32)

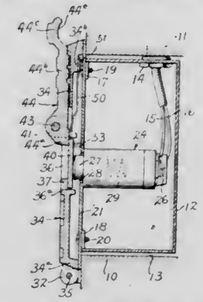


1. In an engine, a cylinder in which air charges are introduced in a manner causing their rotation, a cylinder head having the entire inner surface in the form of a spherical segment, a piston in the cylinder having an end formed in part complementary with the inner surface of the head and adapted to extend into the head recess and closely approach the inner surface of the head in top center position, said piston having a pocket intersecting an edge portion of the piston end, said pocket and the inner surface of said head forming a spheroidal combustion chamber, and a fuel injection device associated with the cylinder to project fuel into the combustion chamber.

2,083,324
ALARM SIGNAL STATION

Robert S. Edwards, New Rochelle, N. Y., assignor to Edwards and Company, Inc., a corporation of New York

Application March 30, 1935, Serial No. 13,834
15 Claims. (Cl. 177—372)



7. In signaling apparatus, in combination, an enclosure having an opening therein, a lever having a long lever arm and a short lever arm, means pivotally mounting said lever to said enclosure so that said long lever arm is exposed exteriorly of said enclosure and said short lever arm is normally exposed to said opening and to swing about an axis such that manual actuation of said long lever arm effects movement of said short lever arm transversely of the plane of said opening, an easily breakable part positioned in said opening with its outer face against said short lever arm, a member movably mounted within said enclosure and having a path of movement transversely of and through the plane of said opening, spring means tending to move said member along said path and against the inner face of said breakable part and thereby holding the latter against said short lever arm, and abutment means holding said breakable part against movement in response to actuation of said lever in a direction to move said short lever arm from its normal position and inwardly of said opening, whereby actuation of said lever in the said direction effects breaking of said breakable part and said member is thereby freed to partake of movement along said path.

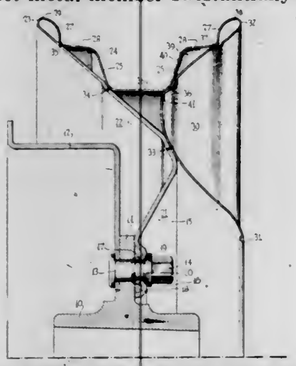
2,083,325
VEHICLE WHEEL

Warren H. Farr, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 23, 1934, Serial No. 707,875
2 Claims. (Cl. 301—63)

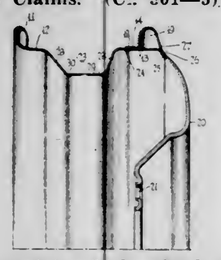
1. A vehicle wheel comprising a tapered disc member, having a substantially radially extending bolting-on flange, a tapered disc portion extending radially outwardly thereof including a sharply angularly outwardly extending portion,

and therebeyond a sharply angularly inwardly extending portion, said last named portion terminating radially in a zone adjacent to a light gauge sheet metal rim member and secured thereto, said rim member being of substantially uniform thickness and having drop center contour, and a substantially uniform thickness light gauge sheet metal member substantially channel



shaped in section providing at one periphery a nub cap securing portion axially spaced from and radially outwardly of the bolting-on flange, said member bridging the angle between the axially outer drop center side wall and the adjacent bead seat and secured to each the side wall and the bead seat, and secured inwardly of the drop center portion to the axially outwardly extending portion of the tapered disc member.

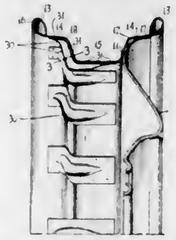
2,083,326
VEHICLE WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 8, 1934, Serial No. 747,370
Renewed November 5, 1936
2 Claims. (Cl. 301—5)



1. A sheet metal vehicle wheel comprising a light gauge sheet metal rim annulus of the drop center type having a hollow tubular inboard peripheral flange and a substantially radially inwardly extending outboard peripheral flange and a disc type wheel body secured to the inwardly extending flange of the rim and extending outwardly therefrom and secured to a tire bead seat portion of the rim and spaced from the rim member intermediate the zones of securement.

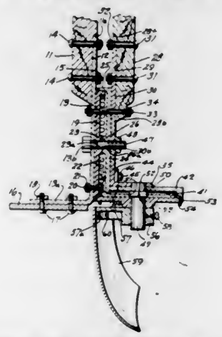
2,083,327
TUBULAR VEHICLE WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 8, 1934, Serial No. 747,372
Renewed November 5, 1936
3 Claims. (Cl. 301—5)

3. A vehicle wheel comprising a sheet metal rim annulus of the drop center type having side walls extending from the base portion of the drop center and at an angle thereto, a tire bead seat extending laterally from the side walls, and a hollow rim bead extending circumferentially outwardly from said bead seat, and a single disc type wheel body having a portion contacting and secured to a side wall and another portion contacting and secured to the adjacent tire bead seat at a point intermediate the juncture of the seat and said wall and the hollow rim bead, the



intermediate portion of said wheel body between said side wall and tire bead seat extending across the angle common to the side walls, and tire bead seat and constituting a brace, and means tying together the opposite bead seat and side wall comprising a plurality of annularly spaced channel shaped members extending across the interior angle common to said bead seat and side wall and secured thereto at the points of contact with the bead seat, side wall and drop center base portion.

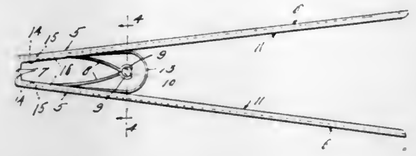
2,083,328
EARTH DIGGING TOOL
Vaclav F. Flandera, Cleveland, Ohio
Application September 21, 1936, Serial No. 101,697
6 Claims. (Cl. 294—53)



1. A digging tool comprising a relatively fixed handle, a movable handle pivoted thereto, a blade pivotally connected to and swinging with the movable handle, and gearing between the fixed handle and the pivot of the blade, constructed to rotate the blade by swinging the movable handle.

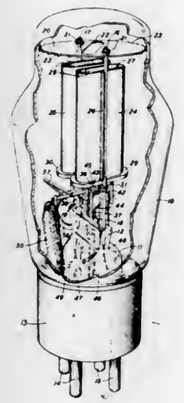
2,083,329
FISH HOLDER
Carlton D. Grassle, Rochester, Minn.
Application June 29, 1936, Serial No. 87,924
3 Claims. (Cl. 17—8)

1. A device of the kind described having identical sheet metal levers, a pivot pin, and a U-shaped clasping spring, said sheet metal levers having inwardly pressed rearwardly extending wings adapted to frictionally engage said pivot pin, and said U-shaped spring being adapted to frictionally engage the outside surface of said



wings to clasp said levers together for pivotal movement on the pivot pin.

2,083,330
ELECTRONIC DISCHARGE DEVICE
Vivian L. Holdaway, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 2, 1935, Serial No. 19,380
8 Claims. (Cl. 250—27.5)



1. A full wave rectifier comprising a vessel having a stem, a pair of parallel uprights extending from said stem, a spacer member attached to said uprights, a pair of hollow metallic anodes attached to and extending between said uprights in parallel relation, each of said anodes having closure members at opposite ends thereof, the closure member adjacent said stem having apertures, a plurality of supports extending into said anodes through said apertures, a pair of cathodes extending between pairs of said supports within said anodes, and flared members surrounding said supports adjacent said apertures.

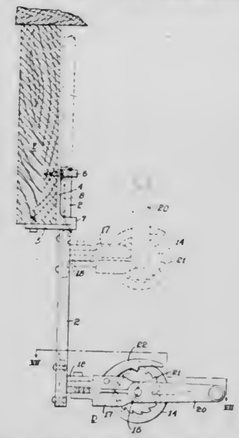
2,083,331
MEN'S SUSPENDERS
Arthur Illsche, Rye, N. Y.
Application July 29, 1936, Serial No. 93,181
6 Claims. (Cl. 24—206)

1. A device of the class described, comprising a body member suitably secured in position and provided with lateral projections from opposite sides thereof, and a skeleton member of greater length than width provided with a hook-like terminal, the said skeleton member encircling the body member and engaging a pair of its lateral projections as supports, said skeleton member being adjustable lengthwise of the body member



when rotatably shifted about the latter as an axis into edge-engaging relation therewith.

2,083,332
ADJUSTABLE CLOTHESLINE SUPPORT
Alexander O. Johnston, Pittsburgh, Pa.
Application June 21, 1935, Serial No. 27,699
2 Claims. (Cl. 248—327)

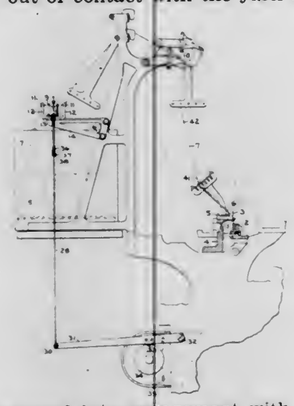


2. Apparatus for supporting a clothes-line at different elevations comprising a substantially L-shaped bracket adapted to be secured to the bottom and side of a floor joist or the like and having unitarily formed and vertically spaced apertured lugs projecting outwardly from the front face thereof with the apertures therein aligned, a line supporting member of channel shape slidably extending through the aligned apertures in said lugs and having a right angle extension on its lower end adapted to receive a line tensioning device, and a vertically extending bowed spring having its ends attached in the apertures of said lugs with the intermediate bowed portion projecting toward the front of said bracket into engagement with said line supporting member for yieldably pressing the same into frictional contact with said bracket whereby the member is yieldably held at the desired elevation within said bracket.

2,083,333
KNITTING MACHINE
Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application February 3, 1934, Serial No. 709,545
4 Claims. (Cl. 66—125)

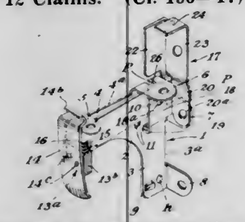
3. A means for marking yarn in a machine for the purpose of indicating whether or not the yarn is being fed uniformly, said marking means

including an automatically actuated member normally out of contact with the yarn but when



actuated moved into engagement with the yarn for the purpose of marking the same.

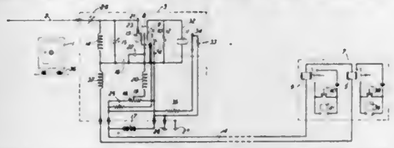
2,083,334
MOUNTING FOR VENETIAN BLINDS
Hans K. Lorentzen, Montclair, N. J.
Application March 14, 1936, Serial No. 68,809
12 Claims. (Cl. 156—17)



1. In a bracket for mounting the head-bar of a Venetian blind, a one-piece sheet metal stamping which is turnable for right-hand or left-hand mounting, said stamping comprising: a planar body having two outside edges which are of equal length and perpendicular to each other, and four wings positioned respectively adjacent to the four ends of said two perpendicular edges, all of the wings extending perpendicular to the body on the same side thereof, and the entire stamping being operatively symmetrical about a line bisecting the angle formed by said two outside edges whereby the stamping may be mounted either right-hand or left-hand.

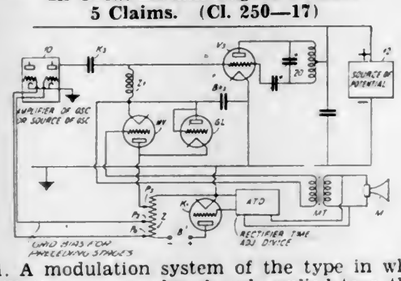
2,083,335
ELECTRIC PROTECTIVE SYSTEM
Clifford L. Loudon, New York, N. Y., assignor to Holmes Electric Protective Company, New York, N. Y., a corporation of New York
Application October 12, 1933, Serial No. 693,252
12 Claims. (Cl. 250—36)

1. In combination, a source of high frequency oscillations, said source comprising an electron discharge device having a cathode, an anode and an impedance control element, a piezoelectric element and means connecting said piezoelectric element to said cathode and impedance control element, a resonant circuit connected between said cathode and anode and normally tuned to a frequency slightly lower than the natural frequency of said piezoelectric element whereby the oscillator normally oscillates at a point in the frequency zone in which the space current changes most rapidly with change of frequency of the resonant circuit, a capacity member connected to said resonant circuit and adapted to cause the resonance frequency of the resonant circuit to vary upon approach of an object, a translating device, and means con-



trolled by variations in the magnitude of the space current of said electron discharge device for operating said translating device when the capacitance which said capacity member occasions is either abruptly increased or abruptly diminished from its normal magnitude.

2,083,336
MODULATOR
Frederick Charles Lunnon and Harold Joseph Hughes Wassell, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application July 21, 1932, Serial No. 623,750
In Great Britain August 18, 1931
5 Claims. (Cl. 250—17)

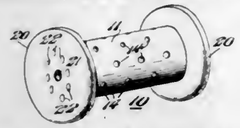


1. A modulation system of the type in which oscillations are produced and applied to a thermionic repeater valve in which they are modulated and in which the repeater is rendered inoperative when no modulating potentials are impressed thereon, and in which preceding stages of the transmitter system are biased to draw current when said repeater is inoperative to thereby regulate the load applied to a common source of potential including, a thermionic valve having its anode to cathode impedance connected in series with the cathode to control grid impedance of said repeater by way of a potentiometer, a device which is conductive in one direction only connected in parallel with the anode to cathode impedance of said thermionic valve, a rectifying device having its output electrodes connected by way of a source of potential in parallel to said potentiometer, and a source of modulating potentials connected to the input electrodes of said rectifying device and to the control grid and cathode of said thermionic valve.

2,083,337
BOBBIN
Harry C. Mack, Allentown, Pa., assignor to The Allentown Bobbin Works, Inc., Allentown, Pa., a corporation of Pennsylvania
Application February 14, 1936, Serial No. 63,845
2 Claims. (Cl. 242—124)

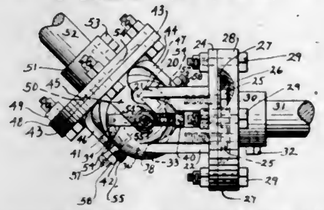
1. A bobbin consisting of a barrel having a bore therethrough and a recess at one end, means forming a spindle bearing at one end of said

bore, a bushing located in the other end of said bore to form a second spindle bearing, said bushing having its outer end flush with the adjacent end of said barrel, a flange on said bushing seating in said recess, a head, means to attach said



head to one end of said barrel, a second head seating against said barrel and said bushing to conceal the bushing and barrel assembly, and means passing through said second head and said flange into said barrel for locking said parts together.

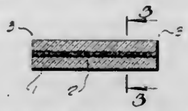
2,083,338
UNIVERSAL JOINT
Peter C. Mancino, Philadelphia, Herbert Cross, Cynwyd, Pa., and John Edward Thebaud, North Merchantville, N. J.; said Thebaud assignor to said Cross and said Mancino
Application July 3, 1931, Serial No. 548,620
5 Claims. (Cl. 64—16)



1. A universal joint for connecting two shafts said joint including a ball member, a pivot holding member partly enveloping said ball member, attaching means for connecting said ball member to one of said shafts, other attaching means for connecting the other of said shafts with said pivot holding means, a ball part to said ball member, two meridian grooves in said ball part, whose planes intersect at right angles, in a line co-incident with the axis of said ball member and its shaft attaching means, a slot thru said ball part, in the plane of each of said grooves, curved shoes slidingly fitting said grooves, pivots integral with said shoes, a pivot holding extension portion to said pivot holding member having its outer end part enveloping said ball part in the plane of its center, four pivot holding rings fitting said pivots and releasably mounted at right angles to one another in the outer end part of said pivot holding, extension portion, releasable holding means for releasably holding each of said rings in said extension portion, said rings engaging said pivots, and a cross bolt passing thru opposite pivots of a pair of said pivots, and passing thru said slot, and means for retaining said bolt in fixed relation to the pair of pivots on said shoes that it passes thru.

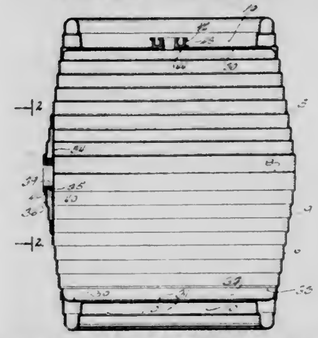
2,083,339
ELECTRICAL RESISTANCE UNIT
George E. Megow, South Milwaukee, Wis., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Original application September 16, 1931, Serial No. 563,135. Divided and this application February 10, 1934, Serial No. 710,664
7 Claims. (Cl. 201—76)

1. An electrical resistor element comprising a rod of ceramic insulating material, and a core of the same material but containing a predetermined percentage of conducting material, em-



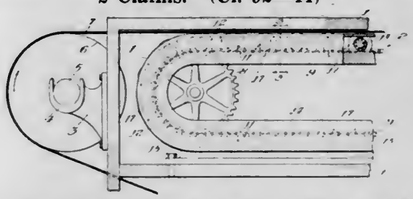
bedded in the rod and maintained in a state of compression by the outer insulating material.

2,083,340
METAL BARREL
Herman Merker, Milwaukee, Wis., assignor to Pressed Steel Tank Company, West Allis, Wis., a corporation of Wisconsin
Application April 26, 1933, Serial No. 667,962
2 Claims. (Cl. 220—71)



1. A metal barrel comprising a barrel body, generally of circular cross section but having a flat at its central portion, said flat being provided with a bung hole, a bridge plate having an outline corresponding to that of the flat and having a transverse curvature corresponding to the general cross section curvature of the barrel body, a weld between the edges of the bridge plate and the juncture of the flat with the main portion of the barrel, said plate having an opening alined with the opening of the bung hole, and a bung bushing extending between the said hole and opening and welded to the margins thereof.

2,083,341
TUBE ROLL MECHANISM FOR PAPER MAKING MACHINES
William C. Nash, Neenah, Wis., assignor of one-fifth to Mary Jones, Neenah Wis.; one-fifth to William M. Nash, Chicago, Ill.; one-fifth to Roy A. Nash, New Rochelle, N. Y.; and one-fifth to Marie Duvall Nash, Neenah, Wis.
Application November 13, 1935, Serial No. 49,469
2 Claims. (Cl. 92—44)



1. In combination, a paper making machine comprising a frame, an endlessly moving paper forming screen carried by said frame, a plurality of rotatable tube rolls over which said screen moves and upon which said screen is supported,

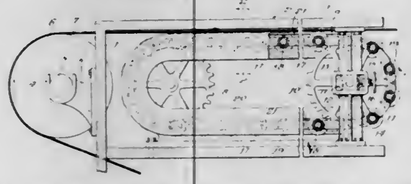
a conveyor for moving said tube rolls laterally in a plane parallel to the plane of motion of said screen, said frame being provided with a channel opening towards, and on each side of said conveyor, said channels paralleling the path of travel of said screen, a bearing carried at each end of each of said tube rolls adapted to travel in said channels whereby movement of said tube rolls at right-angles to said channel is limited.

2,083,342

TRANSLATING PAPER MACHINE TUBE ROLL

William C. Nash, Neenah, Wis., assignor of one-fifth to Mary Jones, Neenah, Wis., one-fifth to William M. Nash, Chicago, Ill., one-fifth to Roy A. Nash, New Rochelle, N. Y., and one-fifth to Marie Duvall Nash, Neenah, Wis.

Application July 11, 1936, Serial No. 90,115
4 Claims. (Cl. 92—44)



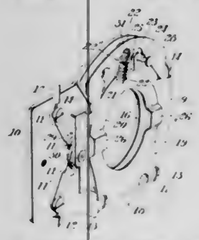
1. In combination, a paper making machine comprising a frame, an endlessly moving paper-forming screen carried by said frame, a plurality of rotatable tube rolls over which said screen moves and upon which said screen is supported, a sprocket chain conveyor for moving said tube rolls laterally in a plane parallel to the plane of motion of said screen, said tube rolls being journalled in the links of said chain, the axes of said tube rolls being in a plane substantially coincident with the plane of the axes of the pintle pins of said chains, said frame being provided with a channel opening towards, and on each side of said conveyor, said channels paralleling a portion of the path of travel of said screen, a bearing carried at each end of each of said tube rolls adapted to travel in said channels whereby movement of said tube rolls at right angles to said channels is limited.

2,083,343

CUT-OUT SWITCH FOR ELECTRIC MOTORS

James M. Naul, Fanwood, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application May 14, 1935, Serial No. 21,355
2 Claims. (Cl. 200—67)



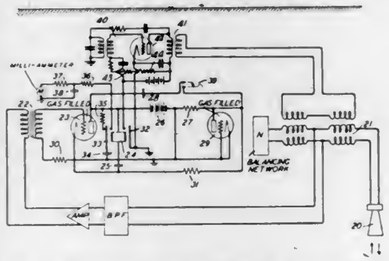
1. In a toggle switch, a base-plate adapted for mounting at the inner side of a motor end-bonnet, a toggle-lever fulcrumed at one end on said base and having a clearance aperture for the motor-shaft, a U-shaped toggle-operated lever fulcrumed at the ends of its legs on said base, an endwise spring expansible toggle-thrust-member rockably reacting at its opposite ends against said toggle-lever and the central portion of said U-shaped toggle-operated lever, a movable contact carried by said toggle-operated lever, and a stationary contact carried by said base.

2,083,344

SYSTEM AND METHOD OF DETERMINING DISTANCES

Russell C. Newhouse, New York, N. Y., and William C. Tinus, Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 6, 1934, Serial No. 719,260
12 Claims. (Cl. 177—352)



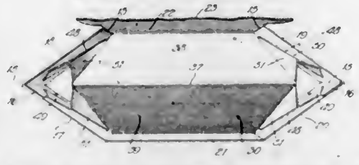
8. An altimeter comprising a microphone, a transmitter unresponsive to the direct emission of a sound wave, means associated with said microphone and said transmitter and responsive to a sound wave after reflection on a surface impressed on said microphone for producing an emission of a sound wave by said transmitter, means for indicating the rate that said transmitter is actuated, means for periodically initiating the production of a sound wave in the absence of the impression of a reflected sound wave on said microphone, said periodic waves being initiated at predetermined intervals, and means for varying said intervals.

2,083,345

DISPLAY CONTAINER

Richard Eaton Paige, Flushing, N. Y.

Application October 28, 1936, Serial No. 107,944
3 Claims. (Cl. 229—23)



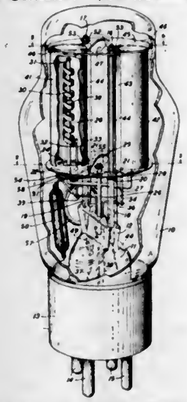
1. A collapsible container comprising a body portion having side walls including a plurality of hingedly connected panels, a bottom comprising a single blank of material, a crease or score line extending longitudinally of the bottom and dividing said bottom into two hingedly connected panels of substantially like dimensions, means depending from opposite sides of said bottom for attachment to the side walls of the body portion for supporting the body portion from beneath, a tab extending from each end of each panel of the bottom, and crease or score lines dividing each of said tabs into an attaching panel and two hingedly connected panels interposed between the attaching panel and its corresponding end of its corresponding bottom panel.

2,083,346

ELECTRONIC DISCHARGE DEVICE

Victor L. Ronci, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 2, 1935, Serial No. 19,372
16 Claims. (Cl. 250—27.5)



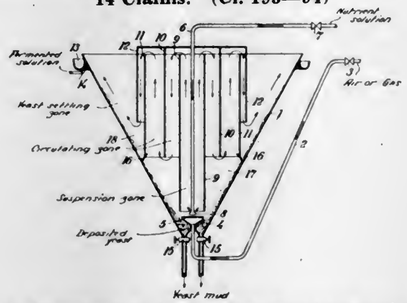
1. A dual electrode unit device comprising a vessel having a stem, a pair of supports extending from said stem, a pair of transverse insulating plates spaced apart on said supports, one of said plates adjacent said stem having large diameter openings, a spaced shield substantially closing said openings, electrodes projecting from said stem and extending through said openings, and a pair of sheet metal enclosing elements coaxially surrounding said electrodes, said elements being secured to said supports and having their ends abutting against said plates.

2,083,347

METHOD OF FERMENTING SOLUTIONS AND PRODUCING YEAST

Heinrich Scholler, Solln, near Munich, and Rudolf Eickemeyer, Tornesch/Holstein, Germany

Application September 24, 1934, Serial No. 745,340
In Germany January 10, 1933
14 Claims. (Cl. 195—94)



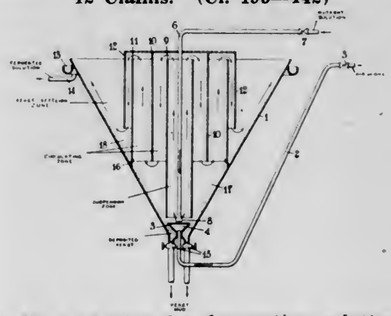
1. A method of fermenting solutions and producing yeast which comprises causing a circulation along a path containing an upwardly and a downwardly directed portion within a bulk of fermentation liquid containing yeast in suspension, continuously supplying fresh nutrient solution to the fermentation liquid at the beginning of the ascending portion of said circulation path, conducting the descending fermentation liquid from the circulation path into an upwardly widening path, depositing yeast from the liquid by gravity action in said upwardly widening path, guiding the depositing yeast under the action of gravity to the proximity of the beginning of the ascending portion of the circulation path whereby yeast is resuspended in the liquid traversing the circulation path, and continuously withdrawing used liquid from the bulk of fermentation liquid at the top of the upwardly widening path.

2,083,348

APPARATUS FOR THE PRODUCTION OF MICRO-ORGANISMS AND FOR THE FERMENTATION OF SOLUTIONS

Heinrich Scholler, Solln, near Munich, and Rudolf Eickemeyer, Munich, Germany

Original application September 24, 1934, Serial No. 745,340. Divided and this application April 23, 1936, Serial No. 76,082. In Germany January 10, 1933
12 Claims. (Cl. 195—142)



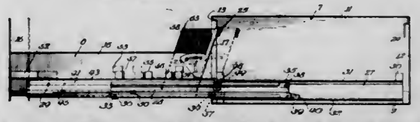
1. An apparatus for fermenting solutions to produce products of fermentation and to produce micro-organisms such as yeast, comprising a vessel having side walls diverging upwardly, collecting means adjacent the bottom of said vessel cooperating with said side walls to receive micro-organisms deposited on said side walls, means to supply a fermentation liquid to said vessel, means to guide the flow of the fermentation liquid in a substantially upward and downward direction in said vessel, means to remove the fermented liquid after it has completed its travel in said vessel, and means to remove the collected micro-organisms.

2,083,349

FILING CABINET

Joseph C. Seyl, Evanston, Ill.

Application May 20, 1935, Serial No. 22,373
3 Claims. (Cl. 45—7)



1. In a filing cabinet of the character described, the combination of a cabinet structure having an open front, and a drawer for holding in an upstanding position the material to be filed, mounted to slide from a closed position within the cabinet structure into an open position outside of said structure and vice versa and comprising a bottom, front and sides all rigidly secured together and a back with a hinge between the bottom margin thereof and the rear margin of the bottom whereby upon sliding of the drawer into its open position it is free to swing rearwardly and downwardly and form a V gap within the drawer facilitating access to the filed material.

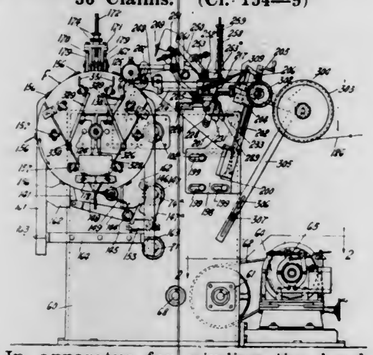
2,083,350

APPARATUS FOR WINDING TIRE BEADS

Florain J. Shook, Akron, Ohio, assignor to National-Standard Company, Niles, Mich., a corporation of Michigan

Original application June 1, 1934, Serial No. 728,557. Divided and this application January 30, 1936, Serial No. 61,540

36 Claims. (Cl. 154—9)



4. In apparatus for winding tire beads, the combination of a rotatable form upon which a bead is built, said form having an operative cycle comprising a rotative phase and a stationary phase, a constantly rotating shaft, and a mechanical driving connection between said shaft and said form such as to cause the latter to execute one cycle of operation to each revolution of the shaft.

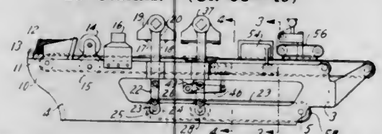
2,083,351

MANUFACTURE OF CORRUGATED PAPER CARTONS

Melvin H. Sidebotham, West Newton, Mass., assignor to Specialty Automatic Machine Company, Medford, Mass., a corporation

Application July 29, 1935, Serial No. 33,624

16 Claims. (Cl. 93—49)



1. The method of making paper cartons by a sequence of operations consisting of feeding a paper blank to a carrier, printing the blank, rapidly drying the printing, transversally scoring the blank, longitudinally slotting and scoring the blank in one operation, partly folding the side portions of the blank while the longitudinally scoring means is in contact with the blank, folding the said side portions of the blank towards each other until the edges of said side portions are in abutting position, applying a section of adhesively treated tape to the abutted edges of the blank.

2,083,352

EMBOSSING MEANS FOR ENVELOPE MAKING MACHINES

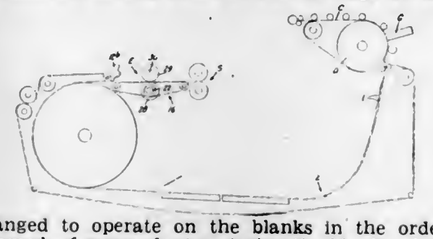
Ferdinand L. Smithe, New York, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York

Application December 18, 1930, Serial No. 503,136

Renewed March 6, 1935

10 Claims. (Cl. 93—73)

1. In an envelope machine, the combination with means for gumming the sealing flaps of envelope blanks, means for drying the same, means for scoring the blanks along the edges of their body portions, means for folding in the side flaps, and means for folding in the bottom flaps and adhesively uniting them to the side flaps all arranged to operate on the blanks in the order named, of means for imprinting the blanks while the same are traveling from the drying means to the side flap folding means.



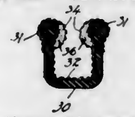
2,083,353

GLASS RUN FOR SLIDABLE WINDOWS

Edward F. Tannewitz, Detroit, Mich., assignor to Detroit Gasket and Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application June 17, 1936, Serial No. 85,749

4 Claims. (Cl. 296—44.5)



1. In combination with a window frame having a rabbet adapted to receive a glass pane for slidable movement, a glass run mounted within the rabbet and comprising a side wall having a body portion formed of cushioning material and provided with a bead extending along its outer margin and a covering of finish material over the inner surface of said side wall, said covering of finish material embodying a cushion like bead portion formed therein extending longitudinally of the side wall and projecting interiorly therefrom overlying and slightly below the outer marginal bead portion thereof.

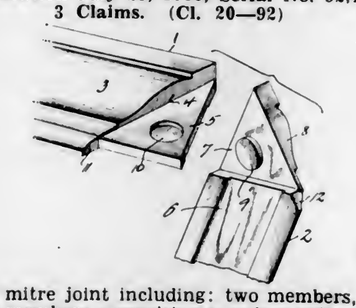
2,083,354

JOINT

John G. Whittier, Maplewood, N. J.

Application July 25, 1936, Serial No. 92,494

3 Claims. (Cl. 20—92)



1. A mitre joint including: two members, one of said members comprising a main portion having at its end an oblique abutment wall from which extends a rear wing of less thickness than that of the main portion, and the other member comprising a main portion from the end of which extends a front wing of less thickness than that of the main portion, said front wing having an oblique abutment wall complementary to that of the abutment wall of the main portion of the first member, the wings of the two members being in overlapped relation, and means between the opposed faces of the wings admitting of facewise engagement of the wings but preventing slidable disengagement thereof.

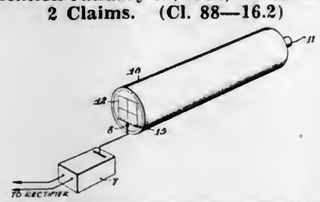
2,083,355

COMBINED PICTURE AND SOUND RECORDING APPARATUS

Leslie J. Anderson, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 31, 1934, Serial No. 709,095

2 Claims. (Cl. 88—16.2)



1. In combined picture and sound recording apparatus, an action recording station, a sound recording station, a view finder for delineating the field of action recorded at said action recording station, a scale located within the view finder and within the field of view of said view finder and representative of a predetermined characteristic of the sound recorded at said sound recording station to accompany the action, a traveling element movable across said scale, and means for moving said element across said scale in accordance with the characteristic represented by said scale.

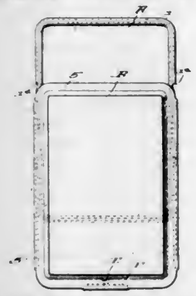
2,083,356

BOX

Seymour Batdorf, Lancaster, Pa., assignor to Liberty Can and Sign Company, a corporation of Pennsylvania

Application September 13, 1935, Serial No. 40,504

6 Claims. (Cl. 220—41)



6. A slide cover type box comprising a body formed with an interrupted top edge curl having end faces spaced from, and presented in opposition to, each other in the direction of movement of the cover and constituting body stop shoulders, the upper portion of said body being laterally outwardly offset intermediate said end faces, in combination with a sliding cover, flanges on said cover slidingly receiving and engaging corresponding portions of said bead, and an abrupt shoulder extending from said cover and so located with respect thereto as to be interposed between said body stop shoulders and to engage one of said shoulders when said cover is moved in a given direction when the body and cover are in associated relation.

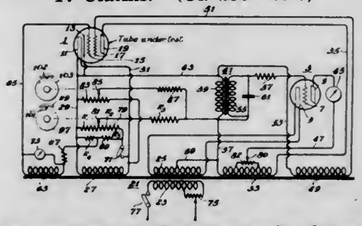
2,083,357

MUTUAL CONDUCTANCE METER

Loy E. Barton, Collingswood, N. J., and Carl C. Chambers, Lansdowne, Pa., assignors to Radio Corporation of America, a corporation of Delaware

Application May 27, 1933, Serial No. 673,198

17 Claims. (Cl. 250—27.2)



1. In a mutual conductance meter for vacuum tubes, means for applying alternating-current potentials to the grids and plates of said tubes approximately 180 degrees out of phase, means for changing the alternating-current potential on the grid whereby a change in plate current is produced, and means for utilizing said change in plate current to give a direct reading of mutual conductance corresponding to direct-current potentials applied to the tube electrodes.

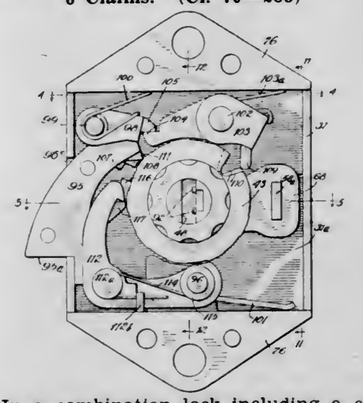
2,083,358

KEY AND PERMUTATION OPERATED DOOR LOCK

Dillwyn M. Bell, River Forest, Ill., assignor to Dudley Lock Corporation, Chicago, Ill., a corporation of Illinois

Application November 28, 1933, Serial No. 700,104

6 Claims. (Cl. 70—285)



1. In a combination lock including a case, a combination tumbler driving member rotatably mounted in the case and projecting therethrough, a rotatably mounted dial engaged by the projecting end of said member, and key-operated means for releasing said driving member to permit moving it axially for disengagement from the dial, said dial and member being formed for re-engagement in a different angular relation.

2,083,359

HAIR CLIPPER

Samuel G. Branch, Middletown, Conn., assignor of one-third to Carl F. Peterson, Middletown, Conn.

Application May 23, 1936, Serial No. 81,423

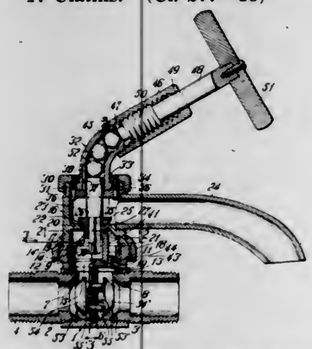
3 Claims. (Cl. 30—1)

1. A hair clipper shaped to resemble a pair of

shears when the blades thereof are closed together, said clipper comprising a handle, a stationary blade secured to the handle, a movable blade associated with the stationary blade for reciprocating action, the stationary blade being U-shaped in cross section with side walls and a bottom wall inclosing and retaining the movable blade, the said bottom wall adapted to accommodate the sliding action of the movable blade, cutting teeth on adjacent edges of the movable blade and of the stationary blade, a rotatable grooved cam mounted in the handle, and a tang carried by the inner end of the movable blade, having a finger operatively extending into the groove in the cam for effecting reciprocation of the movable blade upon rotation of the cam.



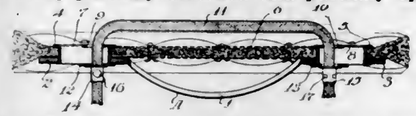
2,083,360
MIXING VALVE
William C. Brinkman, Chicago, Ill.
Application July 31, 1936, Serial No. 93,647
17 Claims. (Cl. 277—18)



1. In combination, a valve casing including a hot water chamber, a cold water chamber and a mixing chamber, inlet pipe connections to the hot and cold water chambers respectively, a discharge nozzle extending from the casing, a rotary mixing valve between the hot and cold water chambers and the mixing chamber, a reciprocable cut-off valve between the mixing chamber and discharge nozzle, a head rotatably mounted on the casing, an operating arm rotatable with the head and extending laterally therefrom at a fixed angle to the axis of rotation of the head, operating connections for causing swinging movement of the arm about the axis of rotation of the head to rotate the mixing valve, and means comprising a handle mounted for rotation about the longitudinal axis of the arm for reciprocating the cut-off valve.

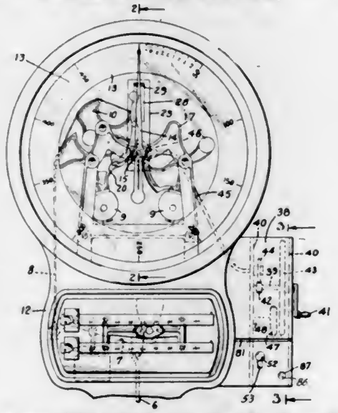
2,083,361
MATTRESS HANDLE
Edward L. Bronstien, St. Paul, Minn., assignor to Michael Bechik, St. Paul, Minn.
Application May 5, 1933, Serial No. 669,541
5 Claims. (Cl. 5—345)

1. In combination with a mattress wall having a pair of comparatively large openings therein, a rigid bracing member positioned interiorly of said wall and having an aperture in each end thereof to register with said wall openings, a ventilating eyelet mounted in each of said openings, said eyelet being partially screened and partially open,



a handle eyelet mounted in the open portion of said screened eyelet, and a flexible handle passing through each of said handle eyelets and having the portion thereof between said eyelets normally in contact with the mattress wall.

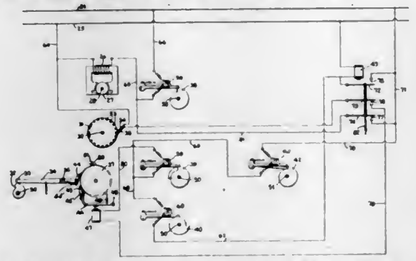
2,083,362
RECORDING MECHANISM
James W. Bryce, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 10, 1931, Serial No. 507,860
13 Claims. (Cl. 234—1.5)



1. In a weighing scale, means displaceable according to a variable, apparatus separate from the first-named means and including positionable mechanism positionable according to displacement of the first-named means and instrumentalities coacting with said positionable mechanism to effect a recording operation, a device for preventing the coaction of said instrumentalities with said positionable mechanism until the positionable mechanism has been positioned in accordance with displacement of the first-named means, and means jointly controlled by the first-named means and a part of the aforesaid apparatus for automatically disabling said preventing device immediately upon the positionable mechanism having been set in position corresponding to displacement of the first-named means.

2,083,363
ELECTRIC TIME SYSTEM
James W. Bryce, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 24, 1932, Serial No. 639,180
10 Claims. (Cl. 58—24)

3. A clock system comprising an A. C. line circuit, a plurality of self-starting synchronous motor driven secondary clocks connected to said line circuit, a distant master clock providing a control upon said line circuit and synchronizing means in each individual secondary clock controlled by the conjoint chronological condition of each individual secondary clock with respect to the distant master clock for individually, periodically synchronizing each individual secondary clock with respect to the distant master clock, wherein the synchronizing means in each secondary clock comprises means for periodically, temporarily suspending the synchronous motor drive of each clock where it is fast or on time, with means for suspending the synchronous motor drive for an on time secondary clock by a fixed time amount, and means for suspending the synchronous motor drive for a fast clock by a time amount determined by the time amount that the fast clock is fast with respect to the master clock, means for providing a supplemental advance of each clock and for automatically re-initiating the synchronous motor drive thereof, said last mentioned means including provisions for imparting supplemental drive of a fixed amount to an on time and to a fast secondary clock and for imparting supplemental drive to a slow clock by an amount related to the amount that the clock is slow with respect to the master clock.

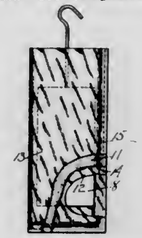


8. A clock system, including alternating current supply lines for a plurality of secondary clocks, a master clock, a plurality of synchronously-driven secondary clocks driven by and receiving alternating current from said line, means in the master clock for periodically suspending and then resuming supply of alternating current to the said clock over said line, and means in each secondary clock controlled by the suspension and resumption of alternating current flow thereto over said line, and in conjoint accordance with the chronological condition of each individual secondary clock for individually synchronizing each secondary clock with the master clock.

9. A secondary clock for use in alternating current-operated clock systems comprising time indicating means, a synchronous motor for driving the same, means for advancing the time indicating means step-by-step under control of the synchronous motor and supplemental means controlled by the operation of said synchronous motor for advancing said time indicating means step-by-step at a rate faster than normal.

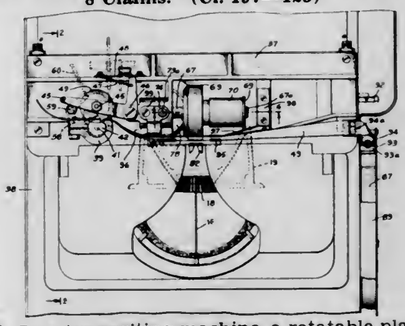
2,083,364
SHIELD FOR ANODES
Charles B. Cook, Jr., West Hartford, Conn.
Application August 8, 1934, Serial No. 738,951
3 Claims. (Cl. 204—4)

1. A composite shield for electrodes used in electroplating, said shield comprising an envelope of a filtering material, a lining of tougher and more durable material separately stitched along its edge within said envelope, and an outer covering composed of tough durable material, both said lining and said outer covering being permeable to the electroplating solution, and



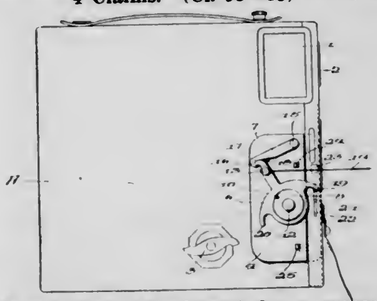
said envelope, lining and outer covering all being stitched together along the edge to form a bag-like unit.

2,083,365
TYPEWRITING MACHINE
Ronald D. Dodge, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 5, 1935, Serial No. 52,967
8 Claims. (Cl. 197—125)



3. In a typewriting machine, a rotatable platen reciprocatable on its axis of rotation, a cam adapted to both rotate and reciprocate the platen, printing means cooperating with the platen to print upon a record medium in front of the platen, and means connected with the printing means for operating said cam.

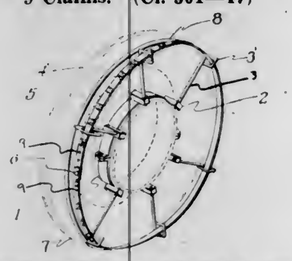
2,083,366
SELF-PHOTO ATTACHMENT FOR CAMERAS
Samuel Foulks, Brooklyn, N. Y.
Application June 6, 1936, Serial No. 83,981
4 Claims. (Cl. 95—53)



1. A self-photo attachment for a camera of the type having a shutter lever movable in opposite directions to open and close the shutter thereof, including a plate, a spring-actuated cam lever pivoted thereto, and having fingers on opposite

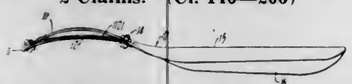
sides of the pivot in position to alternately actuate the shutter-lever in opposite directions, a locking lever pivoted to the plate and having a hook at its free end in position to engage and hold the free end of the cam lever in one position, the locking lever having a cam surface extending from the hook and in position to be traversed by the end of the cam lever when pulled in one direction, whereby the hook is forced aside by the end of the cam lever and out of the path of the latter to enable the cam lever to reverse its position due to the tension of the spring and when permitted to do so, and means for actuating said cam lever in opposite directions from a remote point.

2,083,367
SPRING TRACTION WHEEL
Harry H. Fuller, Madison, Wis.
Application June 30, 1936, Serial No. 88,198
9 Claims. (Cl. 301—47)



9. A traction wheel comprising a plurality of eyelets, means for attaching said eyelets to the driving shaft of a vehicle, a continuous member passing through said eyelets, and lugs on the periphery of said band to prevent said band from normally slipping through said eyelets, and for providing additional traction to said wheel.

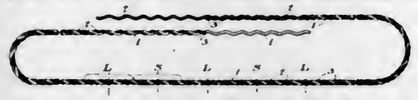
2,083,368
FRUIT PEELER
Amedeo Gambino, New York, N. Y.
Application March 9, 1936, Serial No. 67,993
2 Claims. (Cl. 146—206)



1. In a fruit peeling device, a member having a longitudinally curved arcuate extension, having a longitudinal slot therein dividing the extension into front and rear arcuate strips, the curvature of the front strip being greater than the curvature of the back strip and intersecting each other adjacent the ends of the slot, the front strip also having an upwardly bevelled outer edge adapted to engage the outer surface of the fruit, and a springable cutting blade mounted flush with the rear arcuate strip and conforming to the curvature thereof, said blade being secured at its ends to the extension adjacent the ends of the slot and mounted with its cutting edge parallel to the rear edge of the slot and adjustable relative thereto.

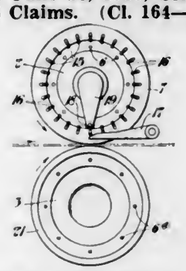
2,083,369
STONE SAWING STRAND
Guy Gilbert Greene, San Francisco, Calif., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 3, 1935, Serial No. 19,722
2 Claims. (Cl. 117—55)

1. A plurality of wires intertwisted to provide strand ends, alternate ones of said wires of one of said ends being substituted for alternate ones of the other to form a splicing, the ends of said wires being arranged in abutting relationship and so that the abutting ends of at least some of said wires are offset from the abutting ends



of others, said wires being intertwisted in the same direction with a lay that changes in pitch at least at said splicing, whereby said wires must travel through helical paths of different pitches before said splicing can be pulled apart.

2,083,370
AUTOMATIC ROTARY PUNCH
Gerald G. Greulich, Mount Lebanon, Pa.
Application June 26, 1936, Serial No. 87,553
5 Claims. (Cl. 164—99)



1. An automatic rotary punch comprising male and female die members, means adapted to rotate said die members in unison, said die members secured to said rotating means, spring actuated plungers disposed about the periphery of one of said die members, openings in the other die member, a stationary shaft having a laterally extending arm thereon adapted to successively depress said plungers into said openings as the die members are rotated to punch a portion of material from the stock, the axis of said stationary shaft coinciding with said driving means.

2,083,371
METALLIC LATH CONSTRUCTION
Gerald G. Greulich, Mount Lebanon, Pa.
Application October 17, 1936, Serial No. 106,249
1 Claim. (Cl. 72—116)

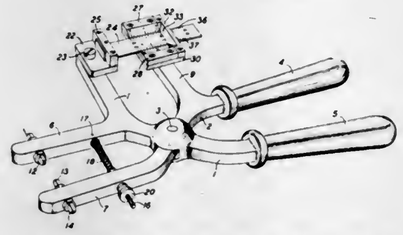


An expanded metal lath comprising ribbed portions extending from one side thereof and expanded integral portions, said ribbed portions being uniformly spaced and including an enlarged bell-shaped body portion integral with said expanded portions and an integral small beaded top portion and a fibrous load bearing backing sheet therefore secured to the lath on the side opposite to said ribs by means of the walls of the ribbed portions without piercing the sheet at that portion which is adapted to contact with the material to be reenforced.

2,083,372
SYMPATHETIC INK
Walter S. Guthmann, Chicago, Ill.
No Drawing. Application August 29, 1934, Serial No. 741,930
15 Claims. (Cl. 134—29)

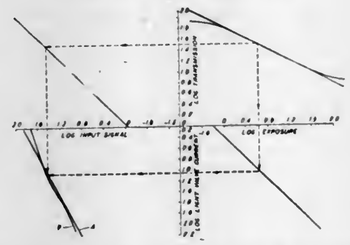
1. A sympathetic ink, normally invisible when applied to dry paper of sized or unsized type but adapted to be made visible when the paper is wetted, said ink comprising a material affecting the water permeability of the paper, and a solvent therefor having a vapor pressure between approximately 0.1 and 7.5 millimeters of mercury at 20° C., said material constituting on the order of 0.25% to 5% of the composition.

2,083,373
MEASURING TOOL
James M. Hardesty, East Orange, and Clement C. Lawson, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 27, 1935, Serial No. 51,804
5 Claims. (Cl. 33—148)



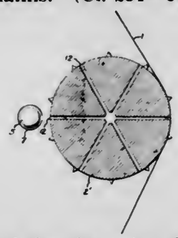
1. A tool for making inside and outside measurements comprising a pair of members pivoted together intermediate their ends, said members extending laterally on each side of said pivot to provide jaw portions and handle portions, a pair of nibs mounted on the inner and outer faces of said jaws, said nibs movable toward or away from each other by the operation of said handles, a pair of parallel arms extending from each of said pivoted members, a scale pivotally secured to one of said arms and a graduated guide for said scale secured to the other.

2,083,374
RECORDING AND REPRODUCING SYSTEM
John B. Harley, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 14, 1935, Serial No. 21,379
In Great Britain August 24, 1934
13 Claims. (Cl. 179—100.3)



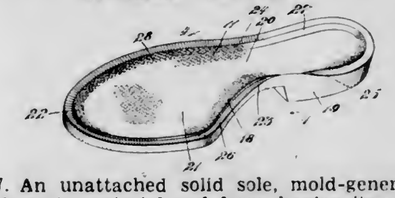
1. The method of recording signal currents on a photographic film which comprises transmitting the signal currents through an electronic device having an exponential characteristic, recording the transmitted currents as a variable density record in the region of correct exposure of a photographic emulsion and developing the exposed record to a gamma other than unity which is the reciprocal of the exponent of the characteristic of the device.

2,083,375
APPARATUS FOR PRINTING TIME MARKS ON A MOVING STRIP
Friedrich Hehlgans, Berlin-Hermsdorf, Germany, assignor to General Electric Company, a corporation of New York
Application October 19, 1935, Serial No. 45,768
In Germany December 18, 1934
2 Claims. (Cl. 234—60)



1. Apparatus of the character described comprising a roller arranged to have its periphery engage a light sensitive strip, said roller having an opening extending therethrough and terminating at its periphery and a lamp arranged adjacent to and outside of said roller whereby light from the lamp may pass through said opening to the strip.

2,083,376
SHOE SOLE
Eugene C. Heilhecker, Bristol, R. I., assignor to Maurice C. Smith, Jr., Bristol, R. I.
Application March 14, 1933, Serial No. 660,632
13 Claims. (Cl. 36—32)



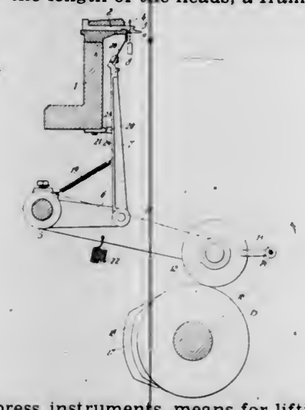
7. An unattached solid sole, mold-generated both as to material and form, having its upper edge substantially higher on the inner side of the shank than on the outer side thereof and provided with a feather edge extending beyond the attaching area.

10. A shoe having a sole whose upper edge is substantially higher on the inside of the shank than on the outer side thereof and which has a material curvature along its generally central line beginning at the ball region of the sole and extending forwardly thereof, said sole being substantially of uniform thickness along said line from a point adjacent the shank forward to the toe region thereof, a fabric piece having a strong bond with said sole, an inner sole cemented to said fabric except around the edges thereof, and a shoe upper having its lower edge conforming to the curvature of said sole and cemented between the edges of said fabric and said inner sole.

2,083,377
AUXILIARY PRESSER FOR FLAT KNITTING MACHINES
Woldemar Heinitz, Chemnitz, Germany, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany
Application December 17, 1935, Serial No. 54,905
In Germany December 17, 1934
2 Claims. (Cl. 66—98)

2. An auxiliary presser for flat knitting machines comprising a jack sinker bearing, a presser

edge provided at said jack sinker bearing, press instruments with heads of different lengths arranged in an alternate order of succession with regard to the length of the heads, a frame carry-

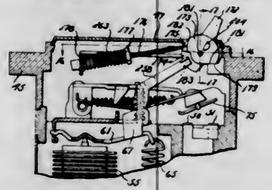


ing said press instruments, means for lifting said frame in different positions of height with regard to said presser edge, and means for swinging said frame simultaneously with its lifting.

2,083,378
REFRIGERATING APPARATUS

Edward Heitman, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan

Application August 17, 1933, Serial No. 685,531
5 Claims. (Cl. 200—83)



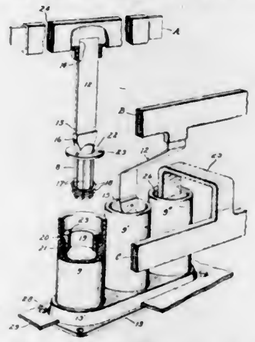
1. In a refrigerating system comprising a cooling unit, means for circulating refrigerating medium through said unit, control means for controlling the system for maintaining the cooling unit between predetermined limits of temperature, control means for the system for temporarily obtaining a higher temperature in the cooling unit including mechanism for temporarily modifying the operation of the circulating means and for thereafter automatically restoring the system to the normal control of the first mentioned control means, manipulating means for rendering the second named control means effective, control means for the system for temporarily obtaining a lower temperature in the cooling unit including mechanism for temporarily modifying the operation of the circulating means and for thereafter automatically restoring the system to the normal control of the first mentioned control means, and manipulating means for rendering the last named control means effective.

2,083,379
ELECTRICAL SWITCHGEAR

Charles H. Hill, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application September 14, 1933, Serial No. 689,423
8 Claims. (Cl. 175—298)

1. An article of manufacture constituting polyphase switchgear apparatus arranged to be positioned as an individual unit in a polyphase bus and switch station, said switchgear apparatus comprising a plurality of phase disconnect contacts, a plurality of corresponding phase conductors, each connected at one end to a disconnect contact, said conductors adapted electrically to connect said disconnect contacts and corresponding phase bus-bar structure, a plu-

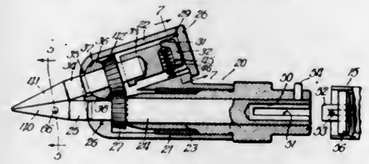


rality of insulating cylinders open at one end within which said disconnect contacts are individually mounted, means insulating each of said disconnect contacts and conductors at one end of said cylinders, and a supporting plate common to said insulating cylinders within which the same are positioned and mounted for unit assembly within said bus and switch station.

2,083,380
DEVICE FOR SHAPING EYEBROWS AND THE LIKE

Dwight C. Hudson, Chicago, Ill., assignor to The Wm. Meyer Company, Chicago, Ill., a corporation of Illinois

Application January 7, 1935, Serial No. 593
15 Claims. (Cl. 128—355)



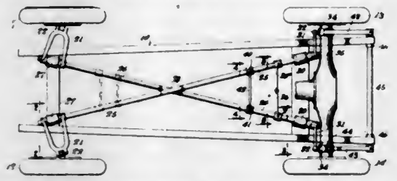
8. A hair plucking device comprising a pair of rolls having pointed ends held in engagement and adapted to grasp hair individually and generally endwise, means mounting one of said rolls for tilting movement in a plane disposed longitudinally of the axes of said rolls, means for turning said rolls, and means for tilting the roll mounted for tilting movement in its plane of tilting movement as set forth and during the turning movement of said rolls to facilitate the introduction of the hair therebetween.

2,083,381
MOTOR VEHICLE

Miller R. Hutchison, Jr., Madison, N. J., assignor to Packard Motor Car Company, Detroit, Mich.

Application May 8, 1934, Serial No. 724,495
17 Claims. (Cl. 280—104)

1. In a motor vehicle, a chassis, wheels arranged to support the chassis, a pair of torsion rods carried by the chassis each operatively connected to a front wheel at one side of the vehicle and to a rear wheel on the other side of the vehicle, and means connecting said rods

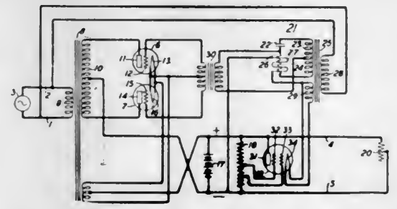


for restricting rotational movements of said rods in the same direction.

2,083,382
REGULATED RECTIFIER CIRCUITS

Robert P. Jutson, North Tarrytown, and David E. Trucksess, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 21, 1935, Serial No. 55,560
7 Claims. (Cl. 175—363)

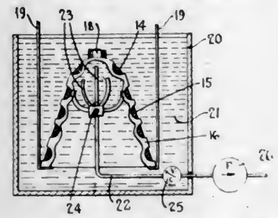


3. In combination, an alternating current supply circuit, a load circuit, a storage battery connected across said load circuit, means comprising two three-element rectifier devices connected to said supply circuit for supplying rectified current to said load circuit, a phase shifting bridge connected to said supply circuit and having one arm composed of silver sulphide, said silver sulphide arm having an extended resistance range, two vertices of said bridge being connected to the grid circuits of said devices, and means for heating said arm of silver sulphide inversely according to the potential across said load circuit to control the rectified voltage from no load to full load.

2,083,383
PROCESS FOR THE PRODUCTION OF FELT AND FELT FABRICS

Edmond T. Kennedy, Norwalk, Conn.

Application August 14, 1936, Serial No. 96,021
7 Claims. (Cl. 28—5)

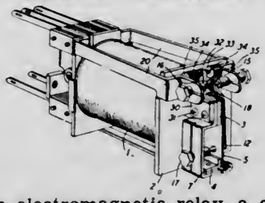


1. A process for producing felt from animal hairs by matting animal hair fibres on a cone under pressure, wetting the mat so produced, superimposing another cone upon the wetted fibres, immersing the assembly of cones containing the fibres into water and removing the occluded air from the inside cone under pressure.

2,083,384
RELAY STRUCTURE

Frederick Carl Kuch, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 2, 1936, Serial No. 99,049
5 Claims. (Cl. 200—87)

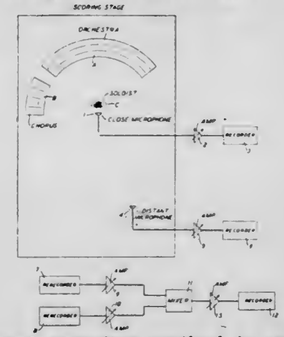


1. In an electromagnetic relay, a core having forward and rearward extensions, an armature cooperating with said forward extension, a contact member carried by said armature, contacts for cooperation with said contact member, supporting members for said contacts mounted on said rearward extension, and a spacer mounted on said forward extension to fix the positions of said supporting members.

2,083,385
SOUND RECORDING SYSTEM

Joseph P. Maxfield, Maplewood, N. J., assignor to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware

Application January 31, 1936, Serial No. 61,677
In Great Britain March 26, 1935
6 Claims. (Cl. 179—100.1)



1. A sound recording method in which two separate preliminary records of the same sound are made, which consists in recording one of said records with a maximum of liveness, recording the other of said records with a minimum of liveness, reproducing said records, electrically and controllably mixing the output from said reproduced records, and rerecording said mixed output whereby a final record is produced of such liveness that proper sound illusions are created in accordance with the apparent distance of the sound source from an auditor.

2,083,386
HOOD LATCH

Norton A. Mears, Chicago, Ill., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill., a corporation of Illinois

Original application January 5, 1935, Serial No. 479. Divided and this application May 9, 1936, Serial No. 78,796
2 Claims. (Cl. 308—21)

1. In a bearing assembly, a base member, a rotatable shaft, a support for said rotatable shaft,

mounted on and spaced outwardly from said base member, said shaft being adapted to bear against the outer face of said support, and bearing clips for said shaft, each such clip including a shaft embracing portion, a relatively extended portion adapted to be opposed to the outer face of said support and a portion adapted to penetrate said



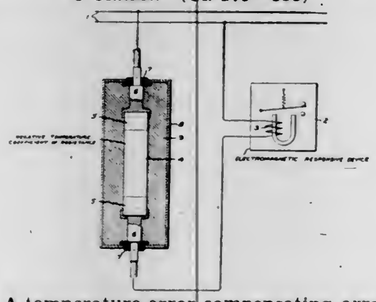
support, said support being apertured to receive said penetrating portion, said penetrating portion including an offset element adapted to be opposed to the inner face of said support, and securing means for securing the extended portion of the clip in relation to the support, with said offset element in locking opposition to the inner face of said support.

2,083,387

TEMPERATURE COMPENSATION

Frank W. Merrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application May 11, 1935, Serial No. 21,061
5 Claims. (Cl. 175—335)



1. A temperature error compensating arrangement of the type in which a resistor having a temperature coefficient of resistance other than zero is connected to compensate a winding having a temperature coefficient other than zero of an electro-responsive device for errors produced by variations in ambient temperature characterized by means for minimizing errors in said compensation produced by self heating in said resistor comprising heat conducting material for increasing the heat radiating area of said resistor to a point where the temperature of said resistor follows substantially the ambient temperature.

2,083,388

TOOL FOR TURNING CABLE REELS

Charles R. Moore, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 23, 1936, Serial No. 60,393
3 Claims. (Cl. 74—543)



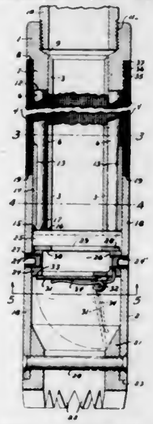
1. A tool for facilitating the rotation of cable reels comprising a handle, a pair of members of like configuration, having shank portions and extending jaw portions, mounted in superimposed relation on one side of said handle with the jaws extending beyond the end thereof, one of said members being rigidly secured to said handle and the other adjustable with respect thereto, a member secured to the opposite side of said handle and extending beyond the end thereof a distance substantially one half that of the extending jaw portions and means passing through said member, said pair of hooked members and said handle for securing said adjustable hook member in definite spaced relation with respect to the rigidly secured hook member.

2,083,389

WELL POINT

Thomas F. Moore, Morris Plains, N. J.

Application May 7, 1936, Serial No. 78,460
4 Claims. (Cl. 166—5)



1. In a well point adapted to be sunk into fluid containing soil, an inner tubular conduit, a tubular filter surrounding said conduit in spaced relation thereto to form an intervening filtrate chamber, a lower head comprising a tubular shell coaxial with the inner conduit and into which the lower end of the latter extends, a pipe section having a portion thereof received within the upper end of the shell and extending above the upper end of the latter, said shell being secured to the pipe section and said pipe section being secured to the inner conduit in spaced relation to the latter, the lower end of said conduit and the lower end of said pipe section being disposed in the same transverse plane and constituting an annular valve seat, an inflexible ring valve means within the shell adapted to coact with said seat, and supporting means for said valve means normally supporting said valve means in spaced relation to said seat to establish communication between the filtrate chamber and the inner conduit so as to permit withdrawal of the drainage fluid from the filtrate chamber when suction is applied to the conduit, and said valve means being adapted to automatically close against said seat when a jetting fluid is passed through the conduit.

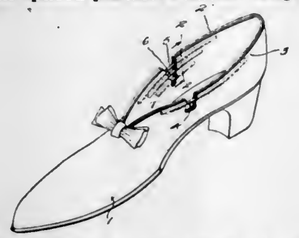
2,083,390

SHOE

Joseph A. Murena, Jersey City, N. J.

Application February 27, 1934, Serial No. 713,199
2 Claims. (Cl. 36—45)

1. A shoe of the low quarter type having an elongated rubber body embedded in one wall thereof in close proximity to and paralleling the top edge of the shoe, and a plurality of elongated rubber bodies embedded in the other wall and extending in spaced parallel relation longitudinally



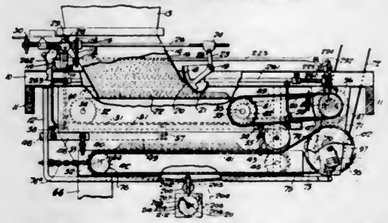
of the same, said bodies being of decreasing length from the top to the bottom one, said rubber bodies all extending lengthwise of that portion of the shoe sides which lies between the heel and the sole.

2,083,391

AUTOMATIC FEEDING AND WEIGHING MACHINE

Stanley G. Murray, Passaic, N. J.

Application January 14, 1936, Serial No. 59,131
22 Claims. (Cl. 249—2)



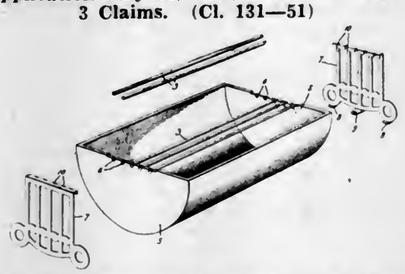
1. In a weighing machine having a travelling weigh conveyor and means for feeding material thereto, means governed by the weight of material on the weigh conveyor and operative at periods in definite relation with the travel of the weigh conveyor through successive distances, each of the same certain length, to control the rate of feed of material to the weigh conveyor.

2,083,392

RECEPTACLE

Roy O. Nereim, Highland Park, Ill., assignor to General Electric Company, a corporation of New York

Application July 24, 1935, Serial No. 32,871
3 Claims. (Cl. 131—51)



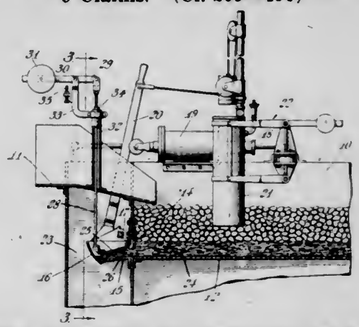
3. A receptacle comprising a trough-shaped member having vertical end sections and provided with a plurality of parallel, spaced rods disposed longitudinally across the center thereof, said receptacle being adapted to hold cigarettes and the like placed thereon while permitting ashes to be deposited therein, removable side members, flush with said end sections, comprising locking means for holding the ends of said rods on the end sections of said receptacle, said side members constituting the sole means for maintaining said receptacle in upright position.

2,083,393

WASHER BOX FOR COAL AND THE LIKE

Bertram Norton, Claverley, England, assignor to The McNally-Pittsburg Mfg. Corp., Pittsburg, Kans., a corporation of Kansas

Application March 14, 1934, Serial No. 715,553
In Great Britain October 18, 1933
9 Claims. (Cl. 209—496)



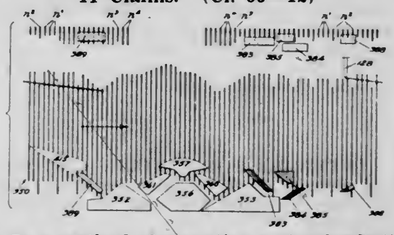
7. In a jig washer, the combination of a washing chamber provided with a refuse discharge opening, a shelf to receive refuse from the opening for passage thereover, means for arresting or releasing the flow of refuse through the opening and from the shelf, and means to yieldably press upon the refuse as it passes over the shelf for controlling the flow thereof through the opening so as to maintain a refuse bed of uniform depth within the chamber.

2,083,394

CIRCULAR KNITTING MACHINE AND METHOD OF OPERATING SAME

Albert E. Page, Brooklyn, and Harry Swinglehurst, Jr., Floral Park, N. Y., assignors to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts

Application April 1, 1936, Serial No. 72,188
11 Claims. (Cl. 66—12)



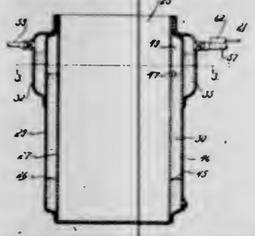
3. In a method of operating a circular knitting machine, the steps of withdrawing a yarn finger from feeding position without cutting the yarn and then on a subsequent course reintroducing the yarn at substantially the needle where withdrawn by lowering the needles till they pass just below the level of the yarn finger, moving the finger to operative position outside the needle circle and raising the needles till their hook ends are above the feeding end of the yarn finger just after they pass the finger so as to cause the yarn to begin feeding after the needle where the yarn was withdrawn has been raised.

2,083,395
METHOD OF MAKING CORES FOR ELECTRICAL APPARATUS
Ross M. Pfalzgraff, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application August 14, 1935, Serial No. 36,103
1 Claim. (Cl. 22—203)



The method of making a core for electrical apparatus which consists of assembling a group of annular laminations having a series of slots in one edge thereof, clamping together said slotted edge by clamping rings secured by means out of contact with the bottom of said slots in said laminations to permit radial shrinkage of said laminations and under such pressure as to cause the other edge of said laminations to spread axially, forming a mold with a molding space about said spread edge of said assembled laminations and a yieldable portion of the mold between said clamping rings and said molding space, and casting a metal frame in contact with said assembled laminations in said molding space.

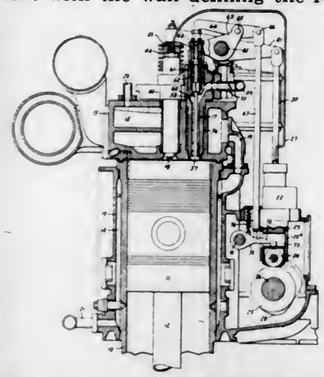
2,083,396
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application May 14, 1934, Serial No. 725,526
14 Claims. (Cl. 62—170)



12. The method of refrigeration which consists in simultaneously congealing and mixing at least a portion of a heat retaining mixture by passing vaporized refrigerant through said heat retaining mixture and subsequently condensing said vaporized refrigerant.

2,083,397
INTERNAL-COMBUSTION ENGINE
Alfred Renner, Berlin-Tegel, Germany, assignor to General Electric Company, a corporation of New York
Original application January 9, 1933, Serial No. 650,898. Divided and this application September 29, 1934, Serial No. 746,239. In Germany January 11, 1932
1 Claim. (Cl. 60—16)

An internal combustion engine including a cylinder surrounded by a casing, a cam shaft, a fuel pump having a piston operated by the cam shaft, and means for starting the engine comprising a starting valve cooperating with an opening in the cylinder, means including a channel and a butterfly valve therein for conducting compressed air to the starting valve, means for operating the starting valve directly from the pump piston comprising a lever having one end fulcrumed and another end projecting into a recess in the pump piston and being normally out of engagement with the wall defining the recess and

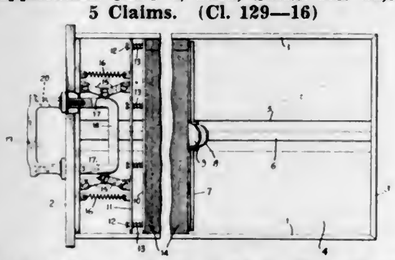


means responsive to the compressed air flowing past said butterfly valve in said channel for automatically effecting movement of said lever so as to engage the wall of the recess and to be reciprocated by the pump piston.

2,083,398
PACKAGE
Curt J. Rohland, Seekonk, Mass.
Application February 6, 1934, Serial No. 709,972
7 Claims. (Cl. 206—64)

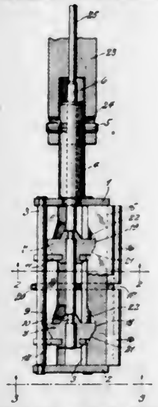
4. A package of dental floss comprising a strand of dental floss material having a body part and an extended part, said body part being in the form of a coil consisting of a lateral disposition of said strand of floss material in close adjacency, said coil having a covering for maintaining the coil in its assembled formation, said covering being sufficiently frail so that upon pulling the extended part of the strand while holding the coiled part the latter portion will be unraveled into an elongated form.

2,083,399
FILING DRAWER
Ernest Rose, Washington, D. C., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 4, 1935, Serial No. 24,813
5 Claims. (Cl. 129—16)



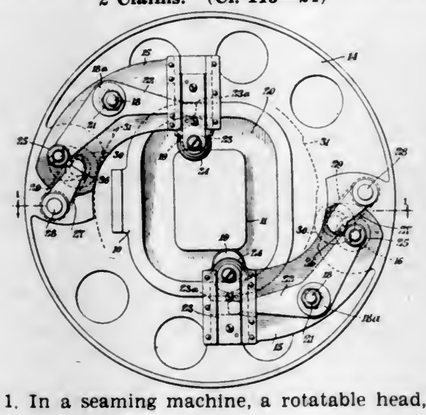
2. In a filing cabinet drawer, backing means for papers to be filed, a pressure plate movable toward the backing means to apply pressure to papers between the backing means and pressure plate, a second plate spaced from the pressure plate and parallel with the latter, means to limit relative movement of the pressure plate with respect to the second plate in the direction of the backing means, resilient means for causing said relative movement, a drawer pull movably mounted on the front of the draw, and toggle means engaged with said drawer pull for operating the second plate.

2,083,400
HONING TOOL
John R. Rose, University City, John C. Cox and Frank H. Maas, St. Louis, Mo., assignors to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application February 15, 1935, Serial No. 6,656
10 Claims. (Cl. 51—184.3)



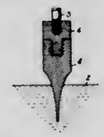
1. In a honing tool, a rotating cage, an axially slidable stem centrally carried by said cage and provided with wedging means, a stone carrier provided with means for cooperating with the wedging means whereby the stone carrier may be radially moved by the axial movement of the stem, and means carried by and movable with the axially slidable stem and slidably cooperating with the stone carrier and with the rotating cage for guiding the stone carrier and preventing relative rotative movement of said stone carrier and the cage.

2,083,401
SEAMING MACHINE
Hugh M. Ross, Woodhaven, N. Y.
Application December 7, 1935, Serial No. 53,282
2 Claims. (Cl. 113—24)



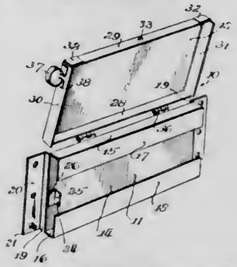
1. In a seaming machine, a rotatable head, a lever pivotally mounted on said head, a guideway on said lever, a carrier mounted in said guideway for rectilinear movement, a seaming tool supported by said carrier, means for swinging said lever to guide said seaming tool in approximate coincidence with the contour of said article, a second lever pivoted to said first lever for pivotal movement about an axis intermediate its ends and having one end engaging a portion of said carrier for causing rectilinear movement thereof upon pivotal movement of said second lever, and means for actuating said second lever.

2,083,402
ELECTRODE MOUNTING FOR POOL-TYPE DISCHARGE DEVICES
Hobart E. Rowe, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 25, 1935, Serial No. 46,701
5 Claims. (Cl. 250—27.5)



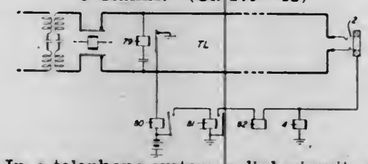
1. An electrode mounting for pool-type discharge devices comprising a carbonaceous electrode member, a graphite coupling member in engaging relation with said electrode piece, and a bonding substance interposed between said members, said substance comprising a mixture of iron and carbon in proportions near the eutectic point of iron.

2,083,403
RECORD CARD BOX FOR RAILWAY EQUIPMENT
Lawrence A. Rowe, Oak Park, Ill., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill., a corporation of Illinois
Application August 10, 1936, Serial No. 95,195
12 Claims. (Cl. 40—17)



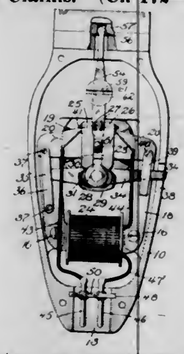
1. In a record card holder for railway equipment or the like, a card holding member comprising a sheet metal frame having a body flange carried by spacing flanges, securing flanges carried by the spacing flanges adapted to be secured to the railway equipment, with the body flange spaced therefrom, guide flanges carried by the body flange spaced sufficiently to receive a card record, and a cover member adapted to enclose said card record when used in conjunction with said body flange, said cover member being hingedly mounted on said body flange and comprising a sheet metal body provided with integral flanges extending at right angles thereto and secured to each other at the corners thereof.

2,083,404
TELEPHONE SYSTEM
George N. Saul, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 28, 1935, Serial No. 8,591
6 Claims. (Cl. 179—43)



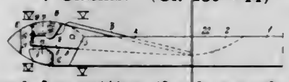
1. In a telephone system, a link circuit, an operator's telephone circuit including a transformer having two windings, means for serially connecting each winding in a different conductor of said link, an impedance network normally connected across both corresponding ends of the two windings, an operator's receiver connected between intermediate points of the two windings, a second receiver, means for connecting the second receiver in multiple with the operator's receiver, and means responsive to the connection of said receivers in multiples to disconnect one of said networks from the transformer.

2,083,405
ELECTRIC MOTOR
Jacob Schick, Stamford, Conn.
Application February 7, 1935, Serial No. 5,361
5 Claims. (Cl. 172—36)



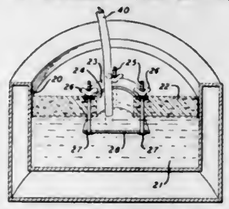
3. In a motor, an armature shaft having a non-circular portion, a pair of contact arms held resiliently against the said portion, a fulcrum for one end of the arms and means for moving the fulcrum toward or from the shaft whereby the throw of the free end of the arms may be varied.

2,083,406
TOOL FOR CUTTING THE LOOPS OF VELVET AND LIKE PILE FABRICS
Paul Schlemper, Ohligs, Germany
Application August 12, 1936, Serial No. 95,606
In Germany April 8, 1935
7 Claims. (Cl. 139—44)



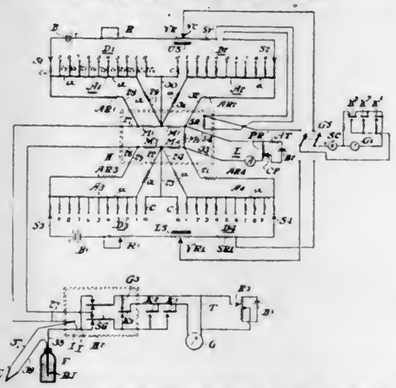
1. A tool for cutting the loops of velvet and like pile fabrics, comprising a recessed holder, a blade disposed in said recess and pivoted at the head of the holder, a spring adapted to urge said blade in a direction opposite to that of the cutting pressure, and a stop against which said blade is adapted to rest in the normal position, said blade being adapted to be moved from said stop and depressed towards the bottom of said recess when the cutting pressure increases.

2,083,407
APPARATUS FOR REMOVING COATINGS
De Hart G. Scranton, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 4, 1935, Serial No. 14,634
8 Claims. (Cl. 62—1)



1. An apparatus for chilling articles and comprising means to hold a supply of a chilling agent, and means responsive to the amount of chilling agent present to control the extent to which an article inserted therein to be partially exposed to the agent may be brought into contact therewith.

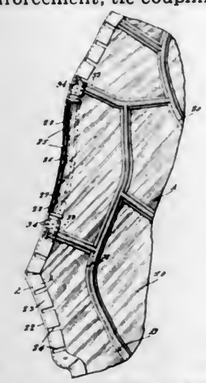
2,083,408
POTENTIOMETER
Irving M. Stein, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 8, 1936, Serial No. 78,620
14 Claims. (Cl. 175—183)



1. A potentiometer comprising an indicating instrument, a source of voltage to be measured, two fixed resistances connected in series with each other, said instrument and said source of voltage, two shunt paths each individual to one of said fixed resistances and each including an auxiliary resistance, a source of standard current, and means for connecting said source of standard current between selected points of said shunt paths.

2,083,409
REENFORCED CONSTRUCTION FOR ART GLASS WINDOWS
William H. N. Stevens, Columbus, Ohio
Application July 27, 1936, Serial No. 92,877
4 Claims. (Cl. 189—77)

1. In reenforced construction for art glass windows, cames for receiving the glass, caps formed on said cames, one of said caps being channeled longitudinally, a reenforcement within said channel, solder filling the said channel and embedding the reenforcement, tie couplings joined with



the ends of reenforcements in respective channels within the cames and concealed by said solder, and outwardly tapered projections formed at intervals on the cames for contact with edges adjacent thereto of the glass.

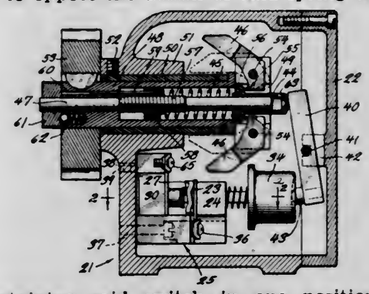
2,083,410
BOAT CONSTRUCTION
Charles W. Stiver, Saginaw, Mich.
Application May 4, 1935, Serial No. 19,759
6 Claims. (Cl. 9—6)



1. A boat having hollow tubular water-impervious buoyant rib members, each provided with sealed ends and each constituting an isolated chamber, said rib members being made of corrosion-resistant metal of specific gravity less than 2.0 and of flat cross-sectional shape at their outboard faces, rub strakes fastened to said ribs and presenting therewith a unitary hull framework, and a hull sheathing of sheet metal secured to the said flat faces of said ribs at points along the bottom portions thereof and at the end portions of said ribs adjacent said rub strakes.

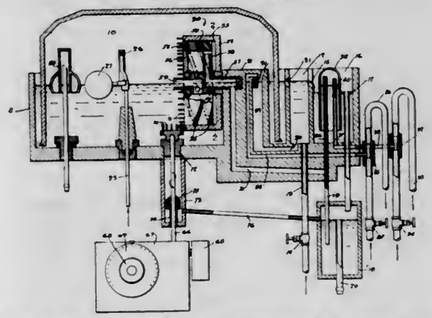
2,083,411
CONTROLLER
Fred R. Swanson, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application November 5, 1934, Serial No. 751,522
7 Claims. (Cl. 200—80)

1. A circuit controller for an electric motor comprising in combination, a casing, switch mechanism mounted within the casing including a plunger normally urged to one switch position, a lever pivoted intermediate its ends on the casing and having one end in operative engagement with said plunger, a sleeve cap in operative engagement with the other end of said lever, a compression spring urging said sleeve cap in a direction to shift the switch, said spring being of sufficient strength to effect such shifting of the switch, a tubular shaft housing said spring and extending outwardly of the casing for driving engagement with the motor to be controlled and centrifugal weight members pivoted on the inner end of said shaft and in engagement with said sleeve cap, said weight members being operable upon rotation to oppose the action of said spring thereby



maintaining said switch in one position and yielding upon cessation of rotation to permit shifting of the switch by the spring to another position.

2,083,412
METHOD AND APPARATUS FOR SUPPLYING GAS
Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Company, Inc., Belleville, N. J., a corporation of New York
Application September 1, 1934, Serial No. 742,509
22 Claims. (Cl. 210—28)

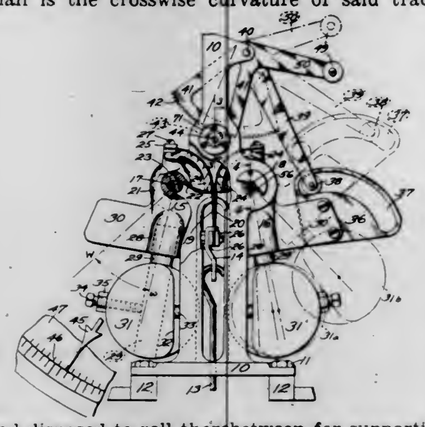


20. A gas feeding and metering device, comprising a hollow cylindrical rotor, and a fixed horizontal axle on which the rotor is mounted, the rotor having a plurality of helical passages in overlapping relation and each having an outwardly opening inlet and an inwardly opening outlet spaced circumferentially of the rotor, and the fixed axle having a gas outlet port communicating with the upper part of the space within the rotor and a liquid outlet port communicating with a lower part of the space within the rotor.

2,083,413
WEIGHING SCALE
Glenn E. Weist, Bridgeport, Conn., assignor to The Kron Co., Bridgeport, Conn., a corporation of Connecticut
Application July 1, 1933, Serial No. 678,576
1 Claim. (Cl. 265—61)

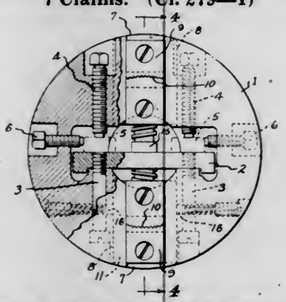
In dial head mechanism for weighing scales, in combination, a weighing pendulum, rigid frame walls flanking respectively opposite sides of said pendulum and containing mutually aligned apertures enlarged in compass in their portions opening through the outwardly disposed sides of each of the frame walls thereby to form a frame shoulder within each aperture, a shaft carrying said pendulum and penetrating said apertures

and having end portions occupying the enlarged portions of said apertures, an outer race ring internally grooved to form a ball track and seated within each of the enlarged portions of said apertures, an inner race ring externally grooved to form a ball track and removably mounted on each end portion of said shaft, bearing balls of materially smaller spherical surface curvature than is the crosswise curvature of said tracks



and disposed to roll therebetween for supporting and constraining said shaft in radial directions without opposing axial movements thereof, and axially adjustable thrust abutments supported by said frame walls in a manner to be removable therefrom without disturbing said race rings and positioned to contact respectively with the ends of said shaft thereby to relieve said bearing balls from taking the end thrust of said shaft.

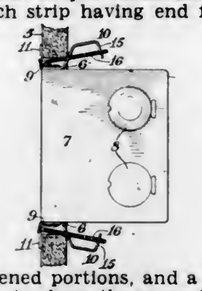
2,083,414
RAIL CHUCK FOR MACHINE TOOLS
Theodore A. Wettig, Cincinnati, Ohio
Application June 6, 1936, Serial No. 83,972
7 Claims. (Cl. 279—1)



7. A rail chuck having a rail and a plurality of clamping jaws which are cooperatively adjustable with respect one to another, and means independent of the clamping jaws for clamping one, of several pieces of work, being prepared as a unit for a tooling operation, to said rail.

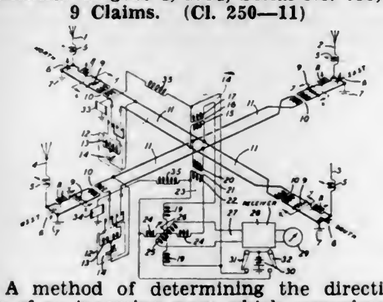
2,083,415
MOUNTING MEANS FOR ELECTRICAL SWITCH BOXES AND THE LIKE
Merrill A. Wood, Rochester, N. Y.
Application December 10, 1934, Serial No. 756,785
3 Claims. (Cl. 247—21)

1. In combination with a junction box or the like, a screw threaded into each end of said box, an integral metallic attaching strip having a notch therein to receive the head of one of said screws so that said strip is detachably connected to said box, each strip having end flanges con-



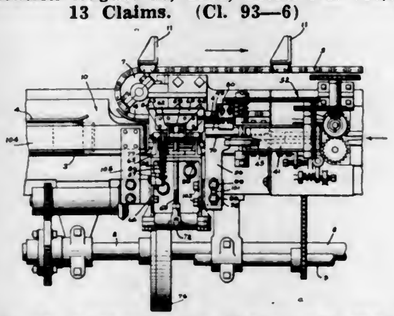
nected by weakened portions, and a bolt engaging said flanges to draw the same toward each other by bending said portions.

2,083,416
RADIO DIRECTION FINDING SYSTEM
Charles B. Aiken, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 4, 1934, Serial No. 738,425
9 Claims. (Cl. 250—11)



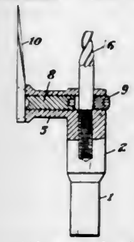
1. A method of determining the directional sense of an incoming wave which comprises obtaining two currents each representing differently phased non-directionally received components of said wave, determining their vector sum, changing in a predetermined sense the phase of only a particular one of the said two currents, and then comparing their vector sum with said first mentioned vector sum whereby the sense of change in the vector sum indicates the directional sense of said wave.

2,083,417
BAG CLOSING AND SEALING MACHINE
Helmer Anderson, Minneapolis, Minn., assignor to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware
Application August 16, 1934, Serial No. 740,063
13 Claims. (Cl. 93—6)



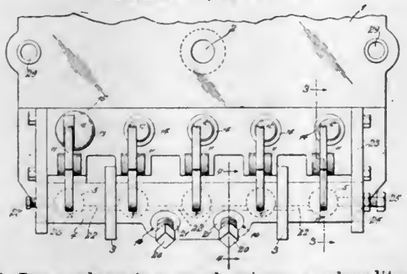
1. In an apparatus for closing and sealing filled containers whose open tops have previously been partially closed, means for advancing the containers, and a mechanism positioned to receive the partially folded container tops comprising a member mounted for swinging movement crosswise to the line of travel of the containers and from a pivot disposed at an elevation above said line of travel, whereby said member will engage each partially folded container top with a wiping action, and fold and press it into contact with a portion of the container body.

2,083,418
SAMPLING TOOL FOR PULP OR THE LIKE
Arthur B. Andrews, Auburn, Maine
Application December 11, 1933, Serial No. 701,859
2 Claims. (Cl. 83—15)



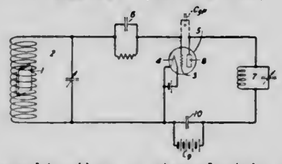
1. A tool for cutting and withdrawing as a plug or core a sample from a bale of material under compression, comprising a rotatable shank having a head provided with an axial bore, a worm fixed in said bore and constituting both a guide and a feed element as the tool is penetrated into the material and a retainer for the cut plug or core when the tool is withdrawn from the material, said head being offset laterally to provide a cutter-carrying arm and said arm and head having a transverse bore intersecting and extending beyond said first-named bore to the opposite side of said head, the outer face of said arm being formed as an extended cutter seat disposed parallel to the axis of rotation of said shank, a cutter mounted in said seat and consisting of a straight blade having its rear end clamped in said seat and said blade traveling through a path of revolution having the worm as a center when the shank is rotated, and a rotatable clamping element insertible through said transverse bore and reactive against said cutter for clamping said cutter in said seat.

2,083,419
CLAMPING MECHANISM
Cyril M. Andrews, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application April 4, 1935, Serial No. 14,609
7 Claims. (Cl. 90—59)



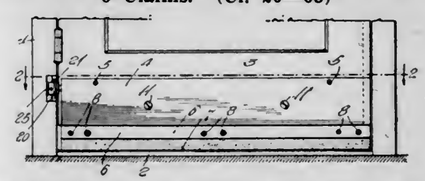
7. In a clamping mechanism, a plurality of separate clamps each embodying a movable element, the movable element of each clamp being capable of movement independently of movement of the movable elements of other clamps, a movable member, fluid motors for operating the movable elements of the clamps, there being a motor for each clamp and said motors being mounted on the movable member, said motors being operatively disconnected from the movable elements by movement of the movable member, and a fluid compressor in communication with the motors for operating said motors simultaneously.

2,083,420
COUPLING MEANS FOR PIEZOELECTRIC CRYSTAL ELEMENTS
Charles H. Atchisson, St. Louis, Mo., assignor to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware
Application March 27, 1936, Serial No. 71,122
7 Claims. (Cl. 250—36)



1. In combination, a piezoelectric crystal element and means for exciting said crystal element comprised wholly by an electromagnetic coil.

2,083,421
THRESHOLD WEATHER STRIP
William B. Bailey, Olympia, Wash.
Application November 11, 1935, Serial No. 49,283
6 Claims. (Cl. 20—68)

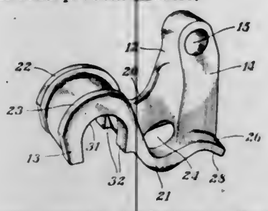


4. A threshold strip for doors comprising a casing adapted to be mounted on the door, a strip member movable vertically in the casing, a plunger adapted to be actuated by contact with a portion of the door frame for projecting the strip member into engagement with the threshold of the door, and pivotal connections between the strip member and plunger for actuating the former from the latter, said pivotal connections being pivotally coupled at one end to the casing and to the plunger and at their opposite ends to the strip member, the latter-named ends of the pivotal connections being pivoted to the strip on one side of the transverse center of said strip.

2,083,422
CAR COUPLER
Arthur J. Bazeley, Shaker Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application March 7, 1936, Serial No. 67,586
16 Claims. (Cl. 213—167)

5. In a car coupler including a knuckle and a lock, a rotor lift lever for said lock having a hook-shaped portion at one end thereof, means on said coupler adapted to receive said portion for pivotally mounting said lever on said coupler to the

rear of said lock, and means comprising a projection on said lever underlying a portion of said pivotal means for limiting movement of said lever away from said pivotal means.



8. In a car coupler including a knuckle and a lock, means for operating the lock comprising a rotor lift member and a toggle connecting said member and lock, said coupler having a trunnion and said member having a hook-shaped portion for engaging said trunnion to pivotally support said member thereon, an uncoupling rod supported on said member, said rod and member being constructed and arranged so that on actuation of said uncoupling rod the latter will engage said member at such points as to exert forces thereon tending to maintain the hook-shaped portion of said member in engagement with said trunnion throughout the lateral extent of said portion.

14. A rotor lift lever comprising a plurality of arms one of which is adapted for pivotal connection with the under side of a car coupler, and the other of which is adapted for connection with the leg of a lock, said arms converging downwardly and being joined by a plurality of walls with an opening between said walls, and a flange extending away from said opening and laterally of the second-named arm toward the knuckle side of the coupler when said lever is assembled in a coupler.

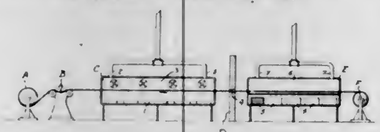
2,083,423

HEAT HARDENING SYNTHETIC RESINS

Frank I. Bennett, Jr., Highland Park, N. J., assignor to The Revolite Corporation, New Brunswick, N. J., a corporation of New Jersey

Application November 15, 1934, Serial No. 753,231

2 Claims. (Cl. 34—48)



1. Apparatus for heat hardening a heat hardenable filmiform surface coating which comprises in combination, supply and wind-up rolls, a pre-heater, and an oven intermediate said rolls and constructed and arranged for the passing of the coated web from the supply roll to the wind-up roll, and a baffle intermediate the pre-heater and the oven and constituting a fire barrier, said baffle having a slit forming a passway for the web.

2,083,424

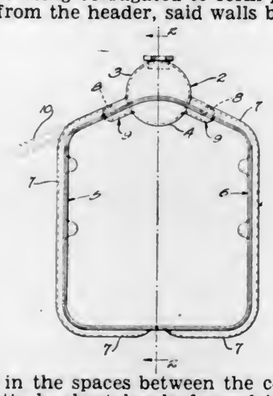
EVAPORATOR UNIT

John H. Benson, Salem, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York

Application February 2, 1933, Serial No. 654,899

10 Claims. (Cl. 62—126)

10. A sheet metal evaporator of the flooded type comprising a header, walls extending laterally from said header and shaped to form a portion of a sharp freezing chamber, said walls being directly connected to the header walls and one of said walls being corrugated to form passageways leading from the header, said walls being welded



together in the spaces between the corrugations, and relatively short beads formed in the other wall at the region where it enters the header and cooperating with some of said passageways.

2,083,425

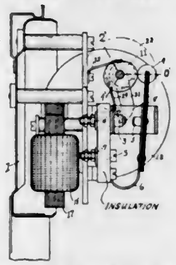
MOTOR OPERATED SWITCH

Willi Beusch, Zug, Switzerland, assignor to Landis & Gyr, A.-G., a joint-stock company of Switzerland

Application September 8, 1934, Serial No. 743,223

In Switzerland September 15, 1933

6 Claims. (Cl. 200—91)



1. A motor actuated electric switch including in combination a pair of contacts, rotary Ferraris motor means to move one contact relatively to the other to open or close a circuit, yielding means always connected to the motor for opposing movement of the motor and contact, means for holding the contact in the position to which it is moved while permitting the return of the motor to its initial position after de-energization.

2,083,426

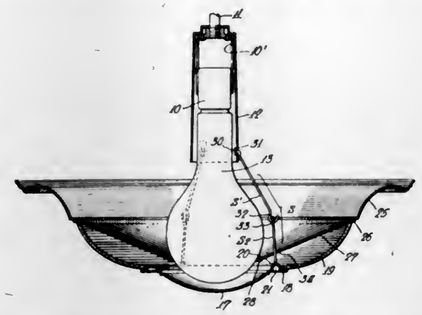
LIGHTING UNIT

Jacob H. Blitzer, New York, N. Y., assignor to Lightolier Company, New York, N. Y., a corporation of New York

Application November 10, 1934, Serial No. 752,422

9 Claims. (Cl. 240—78)

1. A lighting fixture including a pendant lamp bulb having a socket, a shield about said socket, a plurality of hangers supported by said shield, a composite shade element including a metal polar cap segment directly sustained near its periphery by said hangers, a translucent zone segment resting at its inner periphery on the rim of said polar cap and wholly supported thereby and a metal rim zone piece having a shoulder at its inner periphery resting on the outer periphery of said translucent segment and wholly supported thereby, said rim zone piece having integral therewith a baffle skirt intervening between the main area of said translucent segment and said lamp bulb.



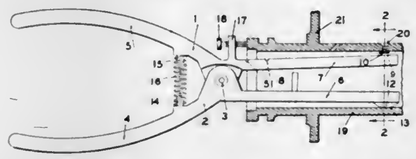
2,083,427

BURRING TOOL

Albert Brunner, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application June 22, 1936, Serial No. 86,500

13 Claims. (Cl. 29—90)



1. In a tool for smoothing the rough inner edge of an opening in the wall of a cylinder or like article, a pair of relatively movable members, an element non-rotatably carried by one member and having an annular surface adapted to engage the rough edge of the opening, and hand-operated means for moving the members relatively to each other whereby one of the members will abut a wall of the cylinder and the annular surface of the element on the other member will be forced into engagement with the rough edge of the opening to thereby smooth said edge by direct pressing action.

2,083,428

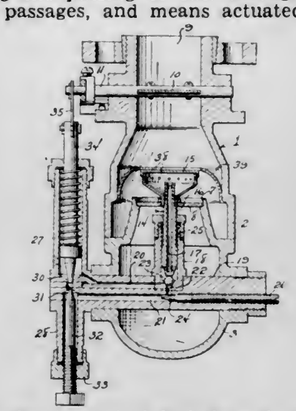
CARBURETOR

Andy Carson, Tampa, Fla.

Application August 10, 1936, Serial No. 95,273

4 Claims. (Cl. 261—51)

1. A carburetor comprising a body including an air chamber and a mixing chamber adapted to be connected to an engine, a throttle valve carried by said body, a seat between the air chamber and the mixing chamber, a valve cooperating with said seat to control air from the air chamber to the mixing chamber, a jet secured to said valve and movable therewith under the influence of suction from the engine, said body having a pair of fuel passages, a housing slidably supporting the jet and in communication with the fuel passages, a ball valve controlling fuel from said fuel passages to the housing and moved into a seating position by the jet, said jet having communication with the housing, means for regulating the passing of fuel through one of the fuel passages, and means actuated by the



throttle valve to control fuel through the other fuel passage.

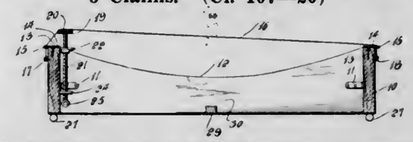
2,083,429

MACARONI GUITAR

Thomas A. Castriana, Ossining, N. Y.

Application May 12, 1936, Serial No. 79,353

5 Claims. (Cl. 107—20)



5. A device of the class described comprising a frame, parallel strands on the frame to cut macaroni or the like, and a bar on the frame below the strands, said bar being at an angle to the strands so that the material will straddle the bar upon leaving the strands, and means mounting said bar on the frame for disengagement from the latter through movement in a plane substantially perpendicular with respect to the frame.

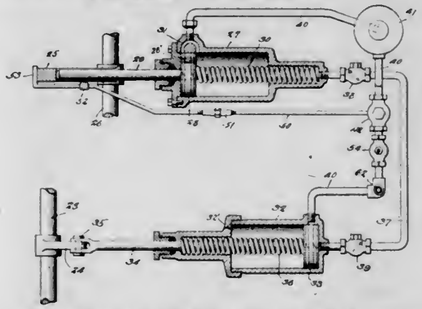
2,083,430

BRAKE FOR AUTOS AND TRUCKS

Carl J. Clutter, Normal, and George A. Lohnes, Bloomington, Ill.

Application January 22, 1934, Serial No. 707,804

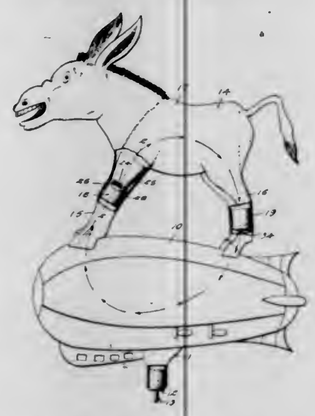
3 Claims. (Cl. 188—152)



1. In a device of the class described a pressure-producing cylinder, a pressure-receiving cylinder, pistons slidable in the cylinders, means under the control of an operator for actuating the piston of the pressure-producing cylinder, a first conduit connecting the cylinders, check means in the first

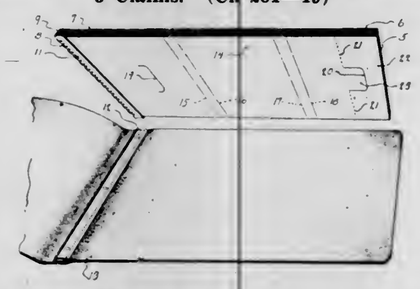
conduit for preventing a retrograde flow from the pressure-receiving cylinder to the pressure-producing cylinder, a second conduit connecting the cylinders, a valve in the second conduit and responsive to the movement of the first-specified means to open and close the second conduit, a second valve in the second conduit, between the first-specified valve and the pressure-receiving cylinder, and under the control of an operator to close the second conduit at a time when the first-specified valve is open, and a brake mechanism connected to the piston of the pressure-receiving cylinder.

2,083,431
DONKEY'S BRAY
Homer L. Cole, Eldorado, Ill.
Application July 14, 1936, Serial No. 90,606
5 Claims. (Cl. 46—117)



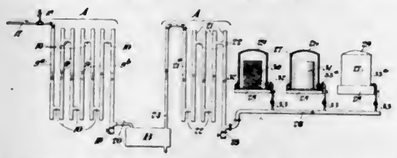
1. A sounding toy comprising a pair of spaced apart hollow yieldable bodies, a pair of spaced apart hollow connecting means connecting the bodies together, a sounding device in each of said connecting means, and a check valve carried by one of said sounding devices.

2,083,432
REFILL BOOK
Henry H. Coleman, Milwaukee, Wis., assignor to Columbian Art Works, Milwaukee, Wis., a corporation of Wisconsin
Application November 18, 1935, Serial No. 50,328
3 Claims. (Cl. 281—19)



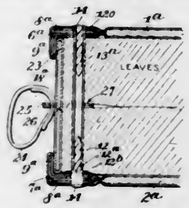
1. In a refill book including a cover, a pad of leaves comprising stubs and detachable portions, binder rings securing the pad of leaves together at their stubs, fastening means attached to the rings to removably secure the pad of leaves to the cover, and an inner cover held assembled with the pad of leaves by the rings, said inner cover being co-extensive in size and shape with the complete leaves to serve as a flat uninterrupted backing therefor and to completely encircle the pad of stubs and the rings together with the fastening means after the detachable portions have been detached and the pad of stubs removed from the cover, and cooperating means on the opposite end portions of the inner cover for detachably securing the same together.

2,083,433
METHOD OF TREATING METALS
George M. Croft, Dormont, and John A. Hunter, Ben Avon, Pa., assignors to American Sheet and Tin Plate Company, a corporation of New Jersey
Application October 11, 1934, Serial No. 747,946
1 Claim. (Cl. 148—16)



A method of treating metals which includes heating the same and subjecting the heating metal to a broken down and reformed gas consisting of approximately 61 per cent of hydrogen, 35 per cent of carbon monoxide and the remainder methane, said gas being devoid of any influential oxidizing medium.

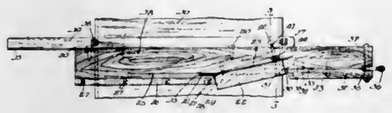
2,083,434
BOOKBINDING
Frank H. Crump, Los Angeles, Calif.
Application June 13, 1934, Serial No. 730,369
7 Claims. (Cl. 281—25)



1. In a binder, spaced leaf-confining members having registering openings, at least one tubular post spanning the space between said members in registration with the openings, means secured to one of the members in one of the openings and partially driven into one end of the post to initially adjustably attach the post to one of the members and to carry it in a temporary loose position during the emplacing of leaves on the post and building up a book, and similar means adapted to be driven through the other opening into the other end of the post after severing said post above the top leaf-confining member thereby to completely drive in the first means and fixedly attach to it the respective member.

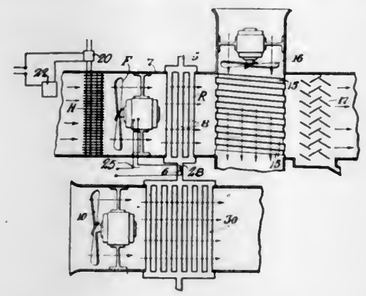
5. In a binder, spaced leaf-confining members, leaf-retaining means and means by which it is secured to said confining members, a back, a carrying strap, and means securing the carrying strap both to the back and to one of the leaf-retaining means.

2,083,435
SAFETY WEDGE CUTTER
John Dahlin, Virginia, Minn.
Application June 22, 1935, Serial No. 28,011
3 Claims. (Cl. 143—5)



1. In a device of the character described, the combination of a cutting element in the form of a saw, with a carriage supported for movement and adapted to be reciprocated with respect to the cutting element, said carriage having a recess in the path of the cutting element for receiving a work piece to be cut by said element, means associated with the recess for adjusting the position of the work piece, and means provided by the carriage for firmly holding the work piece during the cutting operation, said means including members fixed to the carriage and a clamp supported for movement by the carriage in directions toward and away from the work piece.

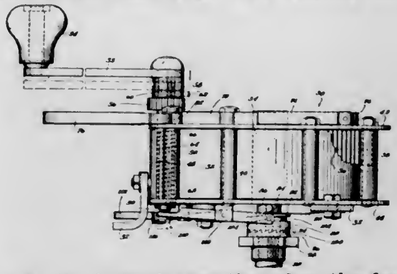
2,083,436
COOLING SYSTEM
George de Bothezat, New York, N. Y.
Application August 8, 1931, Serial No. 555,924
7 Claims. (Cl. 261—95)



1. A cooling system consisting of a refrigerating radiator with tubes having walls of porous hygroscopic clay or porcelain through which water is circulated and adapted to permit the water to seep to the exposed surface of the tubes, means for producing a current of air through said radiator, and means for preheating the air in advance of the radiator automatically controlled by the degree of humidity of the air, the cooling of the water inside the radiator being obtained by evaporation on the surface of the radiator tubes.

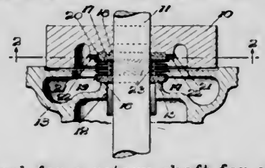
2,083,437
OUTBOARD MOTOR
Arthur De Madaler, Hampton Bays, N. Y.
Application July 1, 1931, Serial No. 548,076
5 Claims. (Cl. 185—9)

2. In combination with a member to be driven, an energy receiving element, means including a cranking shaft for storing energy in the element, means for coupling the element to the member to be driven, and means responsive to operation of the energy receiving means for preventing operation of the coupling, said last named means including a pivoted link interposed between said shaft and coupling means



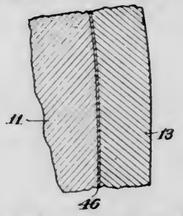
to make the latter inoperative when the former is operative, and means for forcing said link and shaft apart.

2,083,438
SHAFT SEALING DEVICE
John E. Dube, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application January 23, 1935, Serial No. 3,111
10 Claims. (Cl. 308—36.2)



1. In a seal for a rotary shaft for application between a member rotating with said shaft and a stationary member, a self-contained sealing unit adapted to be mounted between said rotatable and stationary members in telescopic relation with the shaft and including an expansible and collapsible tubular metal wall provided at each end thereof with a sealing ring fixed to and carried by said wall, said unit being provided as a part thereof with one or more projections for engagement with means on said rotatable member when said unit is moved telescopically of said shaft into engagement with said member to interlock said wall with said rotatable member by mere axial movement into engagement therewith.

2,083,439
AIRSCREW
Alfred Hubert Roy Fedden and Frank Morgan Owner, Bristol, England, assignors to The Bristol Aeroplane Company, Limited, Bristol, England, a British company
Application July 31, 1935, Serial No. 34,084
In Great Britain September 21, 1934
4 Claims. (Cl. 170—173)



1. A reinforced airscrew blade comprising a cylindrical root-portion of comparatively soft metal, an external screw-thread formed on said root-portion, a sleeve of harder metal to surround and reinforce said root-portion, a screw-thread formed on the internal surface of said

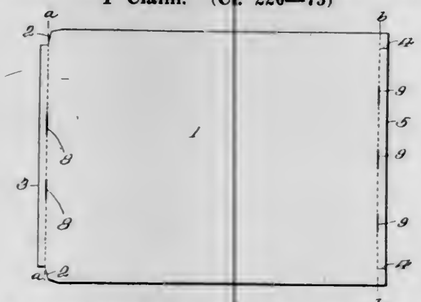
sleeve and engaging, by a shrink-fit over its entire length, with the screw-thread on the said root-portion.

2,083,440

SIDE SEAM FOR SHEET METAL CAN BODIES

Henry A. Fink, Pelham Manor, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application August 5, 1935, Serial No. 34,812
1 Claim. (Cl. 220—75)



A metal can body having its edge portions joined by a side seam extending from one end of the body to the other, said side seam having inner and outer interlocking hooks, the curved portion of the metal supporting the outer hook and opposed to the end of the inner hook having slits formed therein at spaced intervals, which slits extend longitudinally of the side seam, and the curved portion of the metal supporting the inner hook and opposed to the end of the outer hook having slits formed therein at spaced intervals extending longitudinally of the side seam.

2,083,441

LACQUER COATED SHEET MATERIAL AND METHOD OF MAKING THE SAME

Frederick H. Frost, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts

No Drawing. Application February 6, 1936, Serial No. 62,713
11 Claims. (Cl. 91—68)

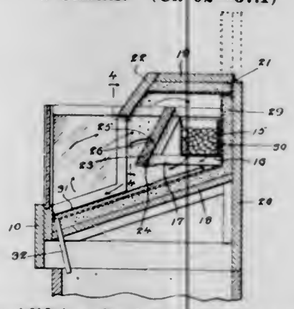
4. A process comprising applying to paper a slack-sized mineral coating, drying said coating, calendering, and applying a top coating of lacquer.

2,083,442

HUMIDIFYING DISPLAY CABINET

Levi C. Gardner, Miami, Fla.

Application November 30, 1936, Serial No. 113,505
3 Claims. (Cl. 62—37.1)



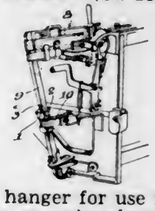
1. Humidifying display apparatus comprising a bin open at the top, a refrigerating unit for the bin outside of the open top thereof, a cover for the unit having a downwardly sloping wall or baffle, and a damper between the unit and the baffle coacting with the baffle in forming a flue to continuously circulate cold air from the unit upwardly through the bin and to the top of the unit.

2,083,443

LUG HANGER

Walter Gray, Columbus, Ga.

Application October 19, 1936, Serial No. 106,456
3 Claims. (Cl. 139—154)



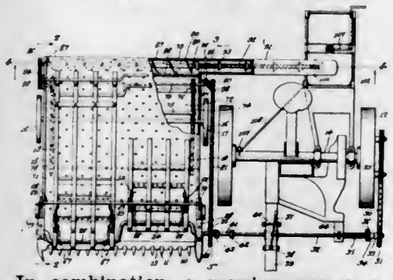
1. In a lug hanger for use in connection with a picker staff, a one-piece hanger member adapted to be secured to the front edge of said staff, said member including a head, a base, a shank interposed between and merging at one end into and centrally of the lower end of the head and at its other end into and centrally of the upper end of the base, a pair of spaced parallel lug confining arms extending inwardly from the inner face of said head for opposing the sides of said staff and a pair of spaced parallel lug confining arms extending inwardly from the inner face of said base for opposing the sides of said staff, the arms on the head being integral with the lower portion of the inner face of the head, the arms on the base being integral with the upper portion of the inner face of the base, an abutment member for positioning against the inner edge of said staff and having its outer face formed with a transverse groove, said head being formed with spaced openings above the arms carried thereby, and means seated in said groove, extending through said openings and binding against the outer face of the head for clamping the hanger and abutment members to the picker staff.

2,083,444

SEED SAVING DEVICE

William A. Harden, Friendship, and Alberta D. Burks, Dyersburg, Tenn.

Application February 8, 1936, Serial No. 63,025
6 Claims. (Cl. 56—207)



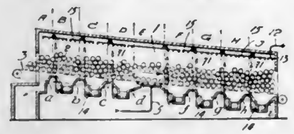
1. In combination, a mowing means, a seed receiving chamber rearwardly of the mowing means, an oscillatable seed removing frame disposed above the chamber, a brush carried by the forward portion of the frame and moving with said oscillatable frame whereby said brush is adapted in one cycle of the movement of the frame to wipe the upper surface of said mowing means, and operating means for oscillating said frame.

2,083,445

DEVICE FOR TREATING WOOD AND THE LIKE

Otto Runo Hellborg and Gunnar Arvid Nyberg, Stockholm, Sweden

Application September 21, 1934, Serial No. 744,990
In Sweden September 27, 1933
3 Claims. (Cl. 144—208)



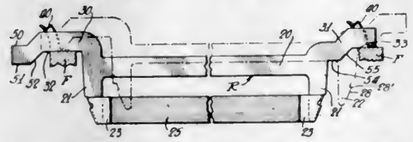
1. An apparatus for loosening the bark of timber prior to barking by means of a liquid, consisting of a long treatment chamber, a timber transporter in the lower part of the chamber, means for supplying heat to the middle portion of the treatment chamber, spraying devices in the upper part of the chamber, devices for collecting the liquid underneath the spraying devices, means for carrying the liquid from one collecting device to the next spraying device in direction towards the entry side of the chamber, and means for supplying liquid to the first spraying device in the exit part of the chamber.

2,083,446

TYPEWRITER RIBBON ATTACHMENT

Julius C. Hochman, New York, N. Y.

Application January 7, 1932, Serial No. 585,210
46 Claims. (Cl. 197—153)



31. In a typewriting machine of the type including a carriage having side frames, a structure fixed with respect to and extending inward from said side frames, and a platen between said side frames, the combination therewith of a ribbon frame to extend longitudinally of the platen, and spring means near the ends of said ribbon frame to yieldingly retain said ribbon frame with respect to said carriage, the ribbon frame and said carriage having coacting parts to limit the relative movement of ribbon frame and carriage.

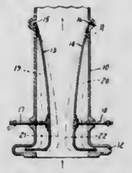
2,083,447

CENTRIFUGAL COMPRESSOR

Bruno Hoffmann, Berlin, Germany, assignor to General Electric Company, a corporation of New York

Application April 25, 1935, Serial No. 18,203
In Germany May 12, 1934
3 Claims. (Cl. 230—114)

1. A centrifugal compressor including a suction conduit and a diffuser in the suction conduit for controlling the flow of a medium therethrough and for preventing a reduction in inlet pressure with decreasing load, said diffuser including a member having a portion pivotally secured to the wall of the suction conduit and positioning means connected to another portion of the member, movement of said member to



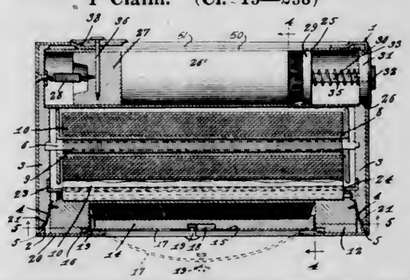
reduce the flow causing simultaneously increased diffuser action.

2,083,448

SHOE POLISHER AND CONTAINER

John G. Hummel, Warren Point, N. J.

Application November 12, 1934, Serial No. 752,741
1 Claim. (Cl. 15—258)



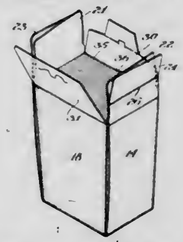
In a device of the character described, and in combination, a container having an open end for a polish stick having means spring influenced in one direction in the container and movable by finger pressure in a second direction to move said polish stick, a cap closing the open end of the container and holding means operable by the turning of the cap for retaining the same on the container, a spring influenced, cross-sectionally square shank movable through a square opening in the cap, having a handle at its outer end and a brush carrying head on the shank, positioned for contact with the polish stick when arranged in the container.

2,083,449

PAIL

William H. Inman, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York

Application April 5, 1934, Serial No. 719,167
16 Claims. (Cl. 229—16)



1. A container comprising a wall member, a wall structure including a plurality of walls fastened to said member along at least one edge, a second wall structure including a plurality of walls fastened to said member along only one edge and complementing said first wall structure to form walls capable of encircling contents, a

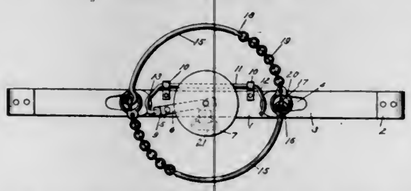
closure flap on one wall of the first wall structure, an overlapping closure flap on a corresponding overlapping wall of the second wall structure, and means connecting said two flaps to each other for holding the second wall structure in cooperative closed relationship to the first wall structure.

2,083,450
AUTOMATIC WINDOW CLOSER
Chauncey B. Kauffman and Charles H. Kauffman, Hellam, Pa.
Application July 7, 1936, Serial No. 89,398
12 Claims. (Cl. 268—123)



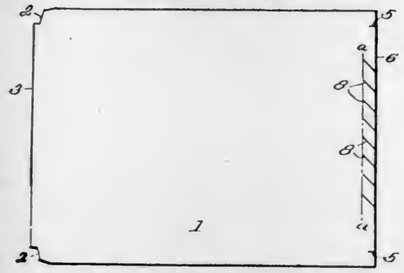
1. A closing device for a window, comprising means for retaining the window in open position and including a rotatably mounted rod, ratchet means for said rod to hold the retaining means active, means for rotating said rod to release the latter from the ratchet means, and means for holding the rotating means against movement and including means responsive to moisture for releasing the same.

2,083,451
ANIMAL TRAP
Dewey R. Knapp, Plattsburg, N. Y.
Application May 18, 1936, Serial No. 80,429
6 Claims. (Cl. 43—87)



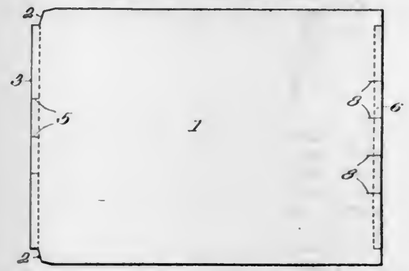
1. An animal trap comprising a base, jaw means including arcuate portions connected to the base and flexible portions connected to the arcuate portions and cooperatively associated to provide a noose, spring means secured to the base and being slotted to receive the arcuate portions for actuating the jaw means from set to noose forming position, means for holding the spring means under tension with the jaw means in set position, and animal actuated releasable means including bait supporting means and engageable with the holding means to hold the latter against the spring means.

2,083,452
SHEET METAL CAN BODY
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 3, 1935, Serial No. 19,717
2 Claims. (Cl. 220—75)



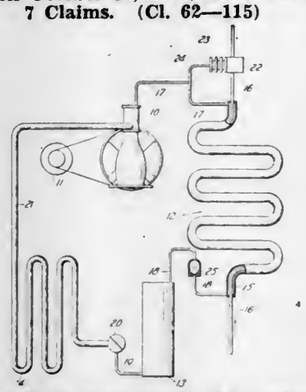
2. A metal can body having its edge portions joined in a side seam extending from one end of the body to the other end thereof, said side seam including inner and outer interlocking hooks and a solder bond for uniting said interlocking hooks, said inner hook having slits at spaced intervals extending at an angle to the edge of the hook and into the body portion to the limits of the side seam, the edges of each slit being closely spaced so that the edges will be joined and solder bonded together during the solder bonding of the hooks of the side seam.

2,083,453
SHEET METAL CAN BODY AND METHOD OF MAKING THE SAME
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 5, 1935, Serial No. 34,810
1 Claim. (Cl. 220—75)



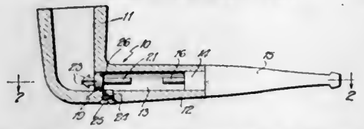
A metal can body having its edge portions joined in a side seam extending from one end of the body to the other, said side seam including inner and outer interlocking hooks, the metal forming the inner hook having slits formed therein extending at an angle to the edge of the hook and all the way from the end of the hook into the metal supporting the hook and terminating substantially at the limits of the side seam to permit the gases to escape during solder bonding, said outer hook having slits formed therein extending at an angle to the edge of the hook and terminating substantially at the base of the hook for allowing the solder to flow quickly through the outer hook to the inner and outer faces of the inner hook, said slits in the inner hook being arranged in staggered relation to the slits in the outer hook, and each slit being formed by cutting the metal along a single line whereby the edges of the slits are solder bonded together during the solder bonding of the side seam.

2,083,454
COMPRESSION TYPE REFRIGERATING SYSTEM
Walter A. Kuenzli and Charles B. Leeson, Evansville, Ind., assignors to Servel, Inc., New York, N. Y., a corporation of Delaware
Application October 31, 1932, Serial No. 640,379
7 Claims. (Cl. 62—115)



1. In a refrigerating system of the compressor-condenser-expander type, a condenser comprising a pair of concentric tubes, means for circulating cooling liquid through one of said tubes, means for controlling circulation of liquid through said tube responsive to the pressure in the condenser, a closed receptacle connected to receive condensate from said condenser, and automatic means for allowing fluid flow only from said condenser toward said receptacle.

2,083,455
SMOKING PIPE
Salvatore La Franca, New York, N. Y.
Application June 21, 1935, Serial No. 27,674
1 Claim. (Cl. 131—12)

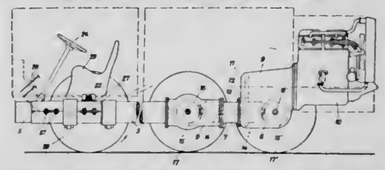


A filter attachment for smoker's articles comprising a disk having a central opening therein adapted to be fitted into the bore of a pipe stem, cigar holder, or cigarette holder, and slots provided in the outer face of said disk and extending radially from said opening, a pair of spaced alined reversely arranged barbs extending from the slotted face of said disk but disposed out of the plane of said slots.

2,083,456
MANUFACTURE OF COILED-COIL FILAMENTS FOR ELECTRIC INCANDESCENT LAMPS AND SIMILAR DEVICES
Reginald Edward Leeds, Middlesex, England, assignor to General Electric Company, a corporation of New York
No Drawing. Application January 7, 1937, Serial No. 119,527. In Great Britain December 11, 1935
6 Claims. (Cl. 176—40)

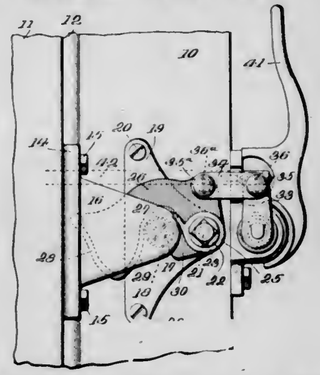
1. The process of manufacturing coiled-coil filaments for electric incandescent lamps which comprises winding on a mandrel a tungsten wire which grows long crystals almost instantaneously when first heated to the operating temperature in the lamp, so as to produce a primary helix, releasing at least part of the strain in the wire produced by the winding, winding the primary helix on a secondary mandrel so as to form a secondary helix, heating the secondary helix to a temperature maintained below 1000° C., and then removing the secondary mandrel.

2,083,457
ROAD VEHICLE
Hans Ledwinka, Koprivnice, Czechoslovakia
Application June 21, 1932, Serial No. 618,525
Renewed May 6, 1936. In Czechoslovakia December 18, 1930
2 Claims. (Cl. 280—106.5)



1. In a vehicle having a single central longitudinal tubular member per se constituting the frame proper of the vehicle, a unitary detachable steering assembly comprising a pair of non-driven steerable road wheels, a bracket detachably secured to said tubular frame constituting member, resilient transverse suspension means anchored to said bracket and carried by said wheels supporting said tubular member solely through said bracket, and a steering mechanism, said mechanism being supported on said tubular member through said bracket, said assembly of the bracket, wheels, suspension means, and steering mechanism being capable of being removed from said tubular frame constituting member as an assembled unit by the single operation of detaching said bracket from said tubular frame constituting member.

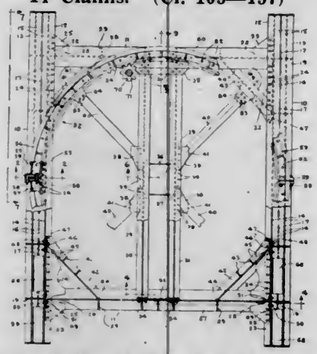
2,083,458
REFRIGERATOR DOOR FASTENER
David Charles Elwyn Leonard, Hagerstown, Md., assignor to Jamison Cold Storage Door Company, Hagerstown, Md.
Application January 20, 1936, Serial No. 59,945
12 Claims. (Cl. 292—126)



1. A fastener for a refrigerator door of the type which overlies the door frame on which a keeper is mounted, comprising a fixed pivot on the edge

of the door, a latch bolt mounted on said pivot for cooperation with the keeper, an operating device mounted on the front face of the door independently of said latch bolt, and means for connecting said latch bolt with said operating device.

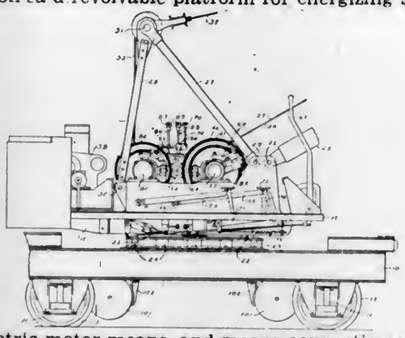
2,083,459
CAR BODY FOR EXCAVATING MACHINES
Rolf E. Ljungkull, St. Paul, Minn., assignor to American Hoist and Derrick Company, St. Paul, Minn., a corporation of Delaware
Original application April 23, 1934, Serial No. 721,983. Patent No. 2,049,653, August 4, 1936. Divided and this application December 3, 1934, Serial No. 755,734
14 Claims. (Cl. 105—157)



5. In a car body, a knock-down framing structure comprising side frame members each consisting of longitudinally extending I-beams having their webs disposed vertically and their upper and lower flanges arranged in horizontal alinement and permanently connected to each other, end frame members extending transversely of the car body, means for detachably connecting meeting portions of the side frame members and end frame members to each other, reinforcing members each having one of its end portions permanently attached to one of said frame members, means for detachably connecting the opposite end portion of each reinforcing member to another of said frame members, there being one of said reinforcing members extending obliquely to adjacent side and end frame members at each corner of the framing structure, additional reinforcing members extending between an oppositely disposed pair of said frame members, and means for detachably connecting the opposite end portions of said additional reinforcing members to said oppositely disposed frame members.

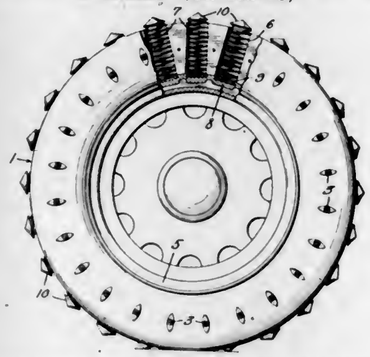
2,083,460
EXCAVATING MACHINE
Rolf E. Ljungkull, St. Paul, Minn., assignor to American Hoist and Derrick Company, St. Paul, Minn., a corporation of Delaware
Application June 12, 1936, Serial No. 84,906
28 Claims. (Cl. 212—38)

1. An excavating machine comprising a car body having supporting wheels, a revolvable platform upon said car body, electric motor means upon the car body and connected up to propel said supporting wheels, devices upon said revolvable platform adapted to be actuated to accomplish hoisting and swinging operations, a prime mover upon said revolvable platform, means mechanically driven by said prime mover for actuating said devices for accomplishing said hoisting and swinging operations, a generator upon said revolvable platform for energizing said



electric motor means, and means connecting said generator with said prime mover to be driven thereby.

2,083,461
TIRE
John Loeser, Philadelphia, Pa.
Application March 21, 1936, Serial No. 70,123
1 Claim. (Cl. 152—8)

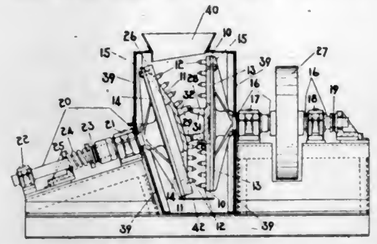


A tire comprising a body of sectional formation each section being of annular form, tie means connecting the sections, said sections being recessed to form chambers opening outwardly through the tread of the body, pointed calks protruding beyond the tread of the body, coil springs mounted in the chambers and secured to the calks, an annular band traversing the chambers and confined in the body, and flanges formed on said band and cooperating therewith in providing anchorage for said springs.

2,083,462
DISINTEGRATING MACHINERY
Thomas Adam Long and William Wallace Potts, Sheffield, England
Application May 28, 1935, Serial No. 23,906
In Great Britain June 6, 1934
4 Claims. (Cl. 83—8)

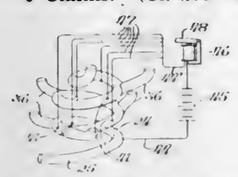
1. Disintegrating machinery for reducing lump material by fracture comprising two opposed rotary discs mounted to revolve about axes which are oblique to one another, projecting pins upon the opposed faces of the discs, means permitting axial movement of one of said discs, means for driving one of said discs, and engaging sets of driving dogs respectively located upon each disc in a circle concentric with the axis thereof and projecting parallel to the axis for transmitting

rotation from the driven disc to the other disc, with the projecting pins of the respective discs



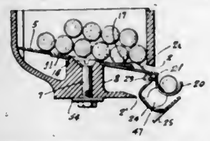
out of contact with one another in all operative positions.

2,083,463
CONTROL APPARATUS FOR CHECK DISPENSERS
Sam May, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application June 12, 1935, Serial No. 26,215
6 Claims. (Cl. 273—1)



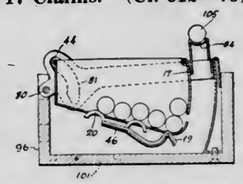
4. In a control apparatus for check dispensers having an electric motor and means operated thereby to dispense checks from a magazine, said apparatus comprising a spiral track wound around a substantially vertical axis and constructed to receive a ball at its upper end and to permit the ball to roll along the track and to be discharged therefrom at its lower end, a plurality of radiating branch tracks having open ends also to receive balls with the other ends of said branch tracks connected respectively to communicate with the spiral track and at different levels to guide balls from the branches into the spiral track, and normally open circuit closers included in circuits for the operation of the motor and arranged in spaced relationship along the length of the spiral track and respectively at points below the confluence of the branch tracks with the spiral track, said circuit closers being closable by balls rolling thereover.

2,083,464
CIGARETTE DISPENSER AND LIGHTER
Richard Mayer, New Rochelle, N. Y., assignor to Francis C. Copeland, San Francisco, Calif.
Application June 21, 1935, Serial No. 27,666
20 Claims. (Cl. 312—80)



17. A cigarette dispenser and lighter comprising a container for cigarettes, a reciprocable receiver for segregating for delivery a single cigarette from the container, normally inactive ignition means at one end of the receiver, a pusher carried by the receiver and operable at the other end thereof to longitudinally move a cigarette in the receiver into cooperative relation with the ignition means.

2,083,465
CIGARETTE DISPENSER
Richard Mayer, New Rochelle, N. Y., assignor to Francis C. Copeland, Beverly Hills, Calif.
Application September 25, 1936, Serial No. 102,469
17 Claims. (Cl. 312—75)



3. A cigarette dispenser comprising a casing having a box body and a pivoted cover, a cigarette container provided with a cigarette outlet within the box body, a receiver movable about an axis of pivotal movement from a position adjacent said outlet to accessible position at the top of the box body and adapted to transport cigarettes individually from the container into accessible dispensing position, and operating connections between the receiver and the cover to operate the receiver when the cover is opened and closed, an ignition device positioned in proximity to one end of a cigarette supported by the receiver when in such dispensing position, to ignite the cigarette, and operating connections between the cover and the ignition device to control the latter.

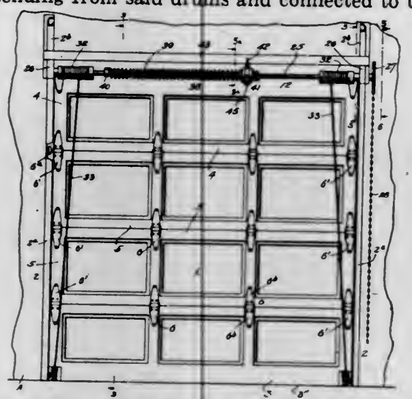
2,083,466
MANUFACTURE OF TUBES
Gavin Smellie McLay, London, England, assignor to Wellman Seaver Rolling Mill Company Limited, London, England, a company of Great Britain
No Drawing. Application January 8, 1936, Serial No. 58,225. In Great Britain April 5, 1935
5 Claims. (Cl. 205—8)

1. A method of producing steel tubes consisting in casting steel into lengths of a required section for the subsequent treatment, dividing the casting lengths into separate parts, piercing each part to form a closed ended bottle, and then passing the part on a mandrel through push bench drawing apparatus to convert it into a tube on said mandrel.

2,083,467
DOOR CONSTRUCTION
Howard I. Morris, Lakewood, Ohio, assignor, by mesne assignments, to Overhead Door Corporation, Hartford City, Ind., a corporation of Indiana
Application April 29, 1930, Serial No. 448,377
8 Claims. (Cl. 20—20)

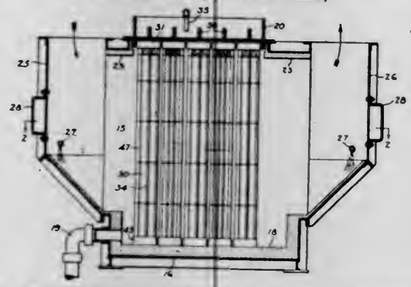
1. In a door construction, the combination of a pair of spaced guides comprising vertical portions related to a door opening and portions disposed at an angle to the vertical portions, a door comprising connected sections articulatable to traverse said guides, rollers carried by the door sections and engaging said guides, an elevated shaft disposed between the ends of said guides and between and inwardly of said portions thereof, drums on said shaft disposed inwardly of the side edges of said door sections, flexible members

extending from said drums and connected to the



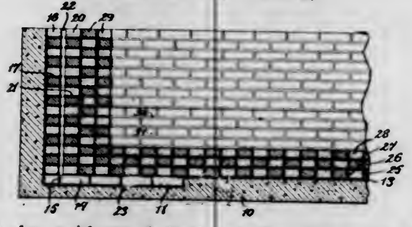
inner face of one of the door sections, and means for rotating said shaft.

2,083,468
GAS SCRUBBER
Kevork K. Nahigyan, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application February 7, 1936, Serial No. 62,794
6 Claims. (Cl. 261—112)



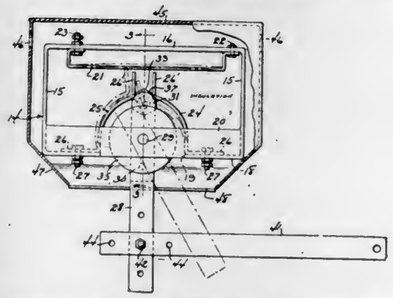
1. A deflecting member for gas scrubbers comprising an upright plate having an opening extending throughout substantially the entire length thereof, a receptacle at the upper end of the plate, the receptacle having an opening aligned with the opening in the plate, and a rod extending through the openings to maintain the parts in assembled relationship.

2,083,469
ACIDPROOF TANK
Richard Neuhaus, Buffalo, N. Y., assignor to Nukem Products Corporation, Buffalo, N. Y., a corporation of New York
Application July 15, 1935, Serial No. 31,393
11 Claims. (Cl. 72—14)



1. An acid-proof tank of the character described, comprising an outer shell, an inner shell composed of brick and sulfur cement and a lining of asphalt between said inner and outer shells, said shells being constructed to provide an air space therebetween to permit expansion of the inner shell relative to the outer shell.

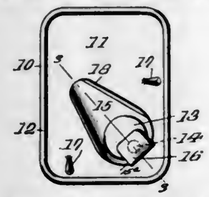
2,083,470
DIRECTIONAL SIGNAL SWITCH
Frank Lewis Perrott, Beaver Falls, Pa., assignor of one-half to L. C. Pettler, Beaver Falls, Pa.
Application July 15, 1935, Serial No. 31,468
1 Claim. (Cl. 200—59)



A directional signal controlling switch for motor vehicles, comprising a box-like support formed of insulating material, a fixed switch contact secured to the inner face of the top of the support and formed of spring metal spaced from the top of the support, a pair of rounded switch contacts formed of spring metal and arranged below the stationary contact and coacting in forming an interrupted circumference of a circle, a binding post for securing the lower end of each rounded switch contact to the support and adapted to be connected to the conductor wire of a corresponding directional signal, the free end of each rounded switch contact being directed upwardly at an angle with respect to the rounded portion of the contact and normally extending upward to within a short distance of said fixed switch contact so that there exists a gap between said vertically directed end and the bottom face of the fixed switch contact, a lever adapted to be secured to the steering knuckle crank of the motor vehicle, a pivot pin for the lever secured to the support, the pivot pin being disposed at substantially the center of said interrupted circumference formed by the curved rounded portions of the movable switch contacts, a bar of insulating material fixed to the upper end of the lever and forming a continuation of the lever, the bar having a recess therein, the tip end of said bar normally projecting in between the parallel free ends of the rounded switch contacts whereby when the lever is swung on the pivot pin the end of the insulated bar rides upon one of the rounded switch contacts and deforms the contact to circuit closing position to engage and slightly bow the fixed switch contact so that a tight electrical engagement is maintained to resist shocks and jars, and a washer on the pivot pin seated in said recess and forming a stop to limit yielding movement of either of the rounded switch contacts toward the pivot pin when the mating rounded switch contact is displaced to circuit closing position.

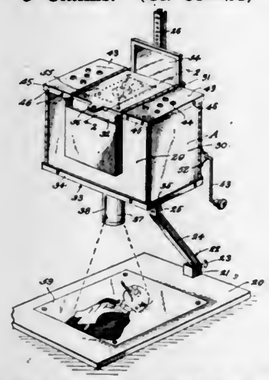
2,083,471
CONTAINER WITH ROTATABLE SPOUT
William F. Punte, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 10, 1935, Serial No. 35,644
6 Claims. (Cl. 221—19)

1. A dispensing container comprising a body portion, an end double seamed thereto, said end having a raised portion provided with a dispensing opening in its outer end, a dispensing spout permanently attached to said raised portion for rotation thereon in a fixed position relative thereto, said spout being formed of spring metal and shaped so as to lie housed within the outer



limits of the double seam when over and in contact with the container end and so as to spring over the double seam when turned to dispensing position, said container end having raised inclined lugs for forcibly contacting with said spout for springing the same over the double seam when the spout is turned to dispensing position.

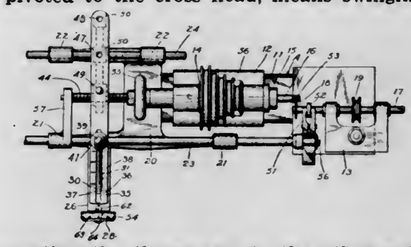
2,083,472
PROJECTION DEVICE
Lawrence E. Reed, Washington, D. C.
Application June 13, 1935, Serial No. 26,474
5 Claims. (Cl. 88—24)



1. A projection device comprising a projecting cabinet, means for projecting an image from said cabinet and located in the bottom portion of the projection position, an image-reversing mirror within said cabinet at one side thereof hingedly mounted at its lower end for movement from a vertical position to an inclined position over the projecting means, an object carrier removable from said cabinet, means to support the carrier in a vertical position facing the mirror, means for supporting said reflecting mirror at an incline to the optical axis of the projecting means and at an incline to the center of the object carrier, and means to support the carrier in a horizontal position over the projector and at right angles to the mirror when the mirror is in a vertical position and in optical alignment with the projecting means.

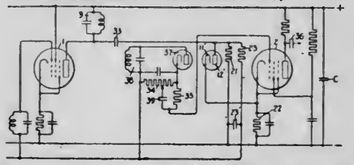
2,083,473
SCREW THREAD CUTTER ATTACHMENT
Hubert Riester, Collingswood, N. J.
Application July 13, 1936, Serial No. 90,436
4 Claims. (Cl. 82—5)

1. In a lathe, a slide rest, a head stock, a rotary spindle in the head stock and having a chuck, a stationary saddle rearwardly of the stock, slide rods in said saddle on opposite sides of the spindle, a cross head fitted to one rod, a master screw connected with said spindle and threaded in the cross head, a throw arm selectively pivoted to the cross head, means swingingly



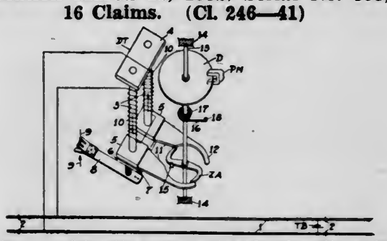
connecting the throw arm to the other rod, a changeable fulcrum for the throw arm and fitted with the saddle, a cutter carried by the slide rest, a connection between the cutter and the said other rod for regulating the cutting action of said cutter on work held with the chuck, and means for changing the fulcrum.

2,083,474
HIGH FREQUENCY RECEIVING APPARATUS
Ernest Yeoman Robinson, Enfield, England, assignor to General Electric Company, a corporation of New York
Application July 25, 1934, Serial No. 736,837
In Great Britain November 8, 1933
5 Claims. (Cl. 250—20)



5. The combination, in a radio receiver, of an amplifier including an electron discharge device, means to control the amplification of said electron discharge device in opposite senses in response to the intensity of high frequency oscillations at different respective points in said receiver, said means being operative to effect said control during desired reproduction of signals by said receiver, and means to transmit said oscillations from one of said points to the other through a frequency selective circuit.

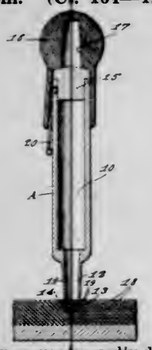
2,083,475
AUTOMATIC BALLAST COMPENSATING MEANS FOR RAILWAY TRACK CIRCUITS
Oscar A. Ross, New York, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application March 12, 1932, Serial No. 598,454
16 Claims. (Cl. 246—41)



1. In combination, in a track circuit, a track relay having an armature and a field, an auto-

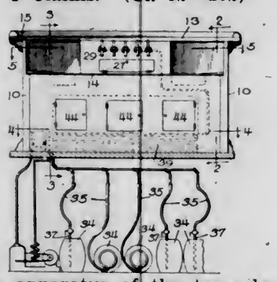
matically variable magnetic shunt for affecting the magnetic force of the field operating on the armature, and means for retarding the rapidity of action of said variable magnetic shunt.

2,083,476
POCKET PAPER PUNCH
Donald F. Rossin, Goodwin, S. Dak.
Application August 6, 1935, Serial No. 35,014
1 Claim. (Cl. 164—124)



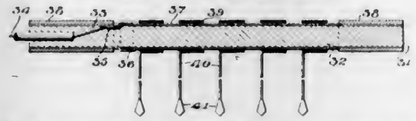
A punch having a main cylindrical body and a bit of lesser diameter at one end of the body, the bit and body having axially extending communicating bores therethrough; a combination striking closure-plug for the body detachably mountable on the end of the body remote from the bit; and a cap having an interior, axially stepped recess open at one end of the cap, the outermost portion of said recess of larger area being such as to fit over the cylindrical body of the punch when applied to either end thereof and the inner portion of the recess of lesser diameter being such as to accommodate the bit therein when said cap is applied to the body over the bit end of the punch.

2,083,477
COOLING SYSTEM AND APPARATUS FOR BEVERAGE DISPENSERS
Rodolphe J. Simard, Lynn, Mass.
Application July 29, 1936, Serial No. 93,284
5 Claims. (Cl. 62—102)



1. In an apparatus of the type described, a cabinet for serving beverages or the like embodying a serving counter, an air duct extending continuously around said cabinet and embodying a lower passageway, a series of cooling coils arranged in a plurality of horizontal loops in said lower passageway, a refrigerating unit located remote from said cooling coils, an evaporator coil located at one end of said lower passageway and connected to said remote refrigerating unit, and a fan located in front of said evaporator in a position to blow cooled air in a circulating stream through said continuous air duct and over said horizontal coiled loops.

2,083,478
STATIC ELIMINATOR
Julius Simons, Philadelphia, Pa.
Application June 23, 1934, Serial No. 732,076
5 Claims. (Cl. 175—264)



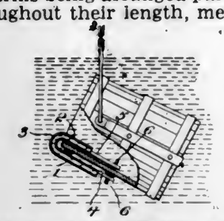
5. A condenser unit operative to produce static discharges, comprising a supporting core, a metallic sleeve carried by said core, a plurality of spaced bare-wire helices forming independent cylindrical members surrounding said sleeve, a layer of insulating material separating said members from said sleeve, and independent discharge leads extending freely from said members and adapted to be led towards relatively remote spaced regions.

2,083,479
PACK FOR DISPENSING LUBRICATING OILS
Albert R. Speare, Weston, Mass.
Application November 3, 1933, Serial No. 696,507
4 Claims. (Cl. 206—46)

2. In combination with a fluid dispensing unit comprising a self-cushioning, conformable fluid encasement of thin, tough, pliant, transparent, readily disruptible cellulosic material containing fluid and a protective cushioning medium, and an elongated relatively rigid top seal, a reenforcing pack comprising a rigid rectangular cell, said seal being of a length greater than any dimension of said cell and being adapted to be bent upon itself and inserted in said cell diagonally thereof to provide a spring interlock of encasement and cell and being adapted upon further bending to release said encasement from said cell and providing a handle whereby said unit may be inserted into and removed from said cell and transported to the point of use.

2,083,480
SINKER AND LIQUID LEVEL DETERMINING DEVICE FOR VESSELS
William D. Spence, Temple, Ga.
Application May 21, 1934, Serial No. 726,814
2 Claims. (Cl. 73—62)

1. A sinker and liquid level determining device for a handled vessel, comprising a tubular member looped upon itself and including a short arm for disposal within the vessel and a long arm for disposal exteriorly of the vessel and communicating with the short arm, gage means on the long arm, said arms being arranged parallel with each other throughout their length, means depending



from the lower end of each arm, and screw means carried by the depending means for engagement with the inner and outer sides of the vessel for securing the device thereto.

2,083,481
BOBBIN CLAMPING DEVICE
Philip L. Spencer, Millbury, Mass., assignor to Watson-Williams Manufacturing Company, Millbury, Mass., a corporation of Massachusetts
Application May 24, 1934, Serial No. 727,301
1 Claim. (Cl. 139—208)



In a loom shuttle, a bobbin-supporting spindle, a separate metal holder fixed in said shuttle and in which said spindle is pivoted, said holder being substantially U-shaped in plan and having its forward end portions outwardly offset and substantially parallel, and a resilient bobbin-clamping member having the rear end portion thereof rigidly secured to the shank of said spindle and the forward portion thereof formed into a pair of spaced resilient clamping jaws extending from said rigidly secured end portion in a direction longitudinally of said spindle and at each side thereof, and having outwardly inclined intermediate portions engaging said holder and being forced thereby radially inward toward said spindle with a cam action to bobbin-clamping position when said spindle and jaws are moved downward between said offset end portions of said holder, and the forward portions of said holder and said clamping jaws lying in adjacent pairs closely alongside each other when said jaws are in clamping position.

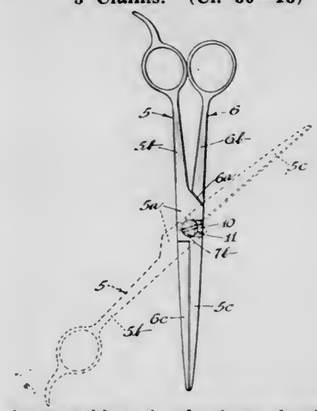
2,083,482
CARBOCYCLIC COMPOUNDS CONTAINING ACID SALT-FORMING GROUPS
Adolf Steindorff, Gerhard Balle, and Paul Heimke, Frankfort-on-the-Main, and Karl Horst, Hofheim-on-the-Taunus, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 20, 1935, Serial No. 50,788. In Germany November 22, 1934
6 Claims. (Cl. 260—108)

1. The compounds of the general formula:

$$ROR_1X$$

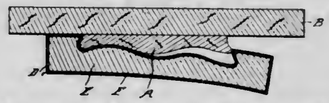
wherein R represents a member of the group consisting of aromatic and hydroaromatic radicals being substituted at least once by a member of the group consisting of aliphatic and aliphatic-aromatic radicals with more than 3 carbon atoms, R_1 represents an aliphatic radical the carbon chain of which is interrupted at least once by a member of the group consisting of oxygen, nitrogen and sulfur and X means an acid salt-forming group, which in the form of their water-soluble salts possess capillary activity.

2,083,483
SEPARABLE SCISSOR CONSTRUCTION
Bogoia Strezoff, Minneapolis, Minn.
Application February 17, 1936, Serial No. 64,247
3 Claims. (Cl. 30—13)



2. A separable pair of scissors having in combination a pair of crossed, pivotally connected scissor elements having blade portions adapted to frictionally engage at their edges for shearing effect and a separable pivot joint connecting the medial portions of said elements and including a headed pivot stud projecting from the inner side of one of said elements and threaded through said element for adjustable clamping action against said other scissor element, said stud having a non-circular portion adjacent its outer end having arcuate bearing surfaces concentric of its axis and having portions of less radius between said bearing surfaces, said second scissor element being apertured to receive the cross sectional shape of said non-circular stud portion only when said scissor elements are disposed at an angle to each other outside the normal operating range thereof and having a substantially circular bearing surface concentric with the axis of said stud for engaging the arcuate bearing areas of said stud after said scissor elements are joined and secured together, and a jam nut threadedly engaging the projecting end of said pivot stud and engaging against said first mentioned scissors element to retain said stud against screw displacement.

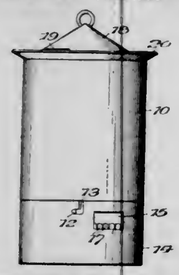
2,083,484
FLEXIBLE MOLD
Peter Zampol, Detroit, Mich., assignor to Permaflex Mold and Model Corporation, Detroit, Mich., a corporation of Michigan
Application April 24, 1933, Serial No. 667,709
8 Claims. (Cl. 18—47)



1. A flexible mold comprising a skin conforming to the surface of the pattern having an undercut portion, said skin formed of a flexible elastic waterproof material, a reinforcing body for

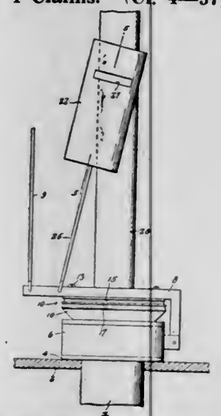
said skin formed of a solid and continuous flexible elastic gelatinous compound and a complementary skin of the flexible elastic waterproof material to completely enclose the gelatinous material and to prevent the same from hardening.

2,083,485
PRECIOUS METAL TRAP
Cayetano J. Apablasa, Los Angeles, Calif.
Application September 19, 1934, Serial No. 744,744
8 Claims. (Cl. 209—201)



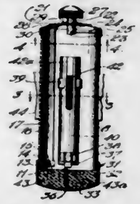
1. A precious metal trap for dental cuspidors comprising a casing having a bottom portion constructed and arranged to provide an amalgamating chamber, said chamber having one or more outlet openings, a partition extending diametrically across said chamber between said openings, a closure for the upper end of said casing having one or more inlet openings, a partition extended axially through said casing and diametrically across the same, said partition being normally positioned at right angles to the partition in said amalgamating chamber, and a plurality of staggered inclined baffles supported by said axially disposed partition.

2,083,486
FLUSH VALVE
Holden Phillip Ballou, Hartford, Conn., assignor of fifty per cent to Nan Griffith Hynes, Hartford, Conn.
Application December 8, 1936, Serial No. 114,853
4 Claims. (Cl. 4—57)



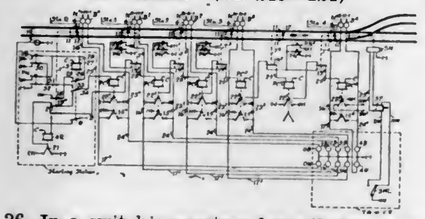
1. A valve for flush tanks comprising an outlet pipe extending into a flush tank through the bottom thereof, a seat in the upper end portion of said outlet pipe, an external flange on said upper end portion of said outlet pipe, said flange having a circumferential channel therein, a substantially U-shaped clamp engaged in the channel, a set screw threadedly mounted in one portion of the clamp and engaged in the channel for securing said clamp therein, an angular lever pivotally mounted on the clamp, a valve member mounted on said lever and engageable on the seat, and means for actuating the lever.

2,083,487
SANITARY TOOTH BRUSH CONTAINER WITH ANTISEPTIC VIAL
John F. Bell, Cape May Court House, N. J.
Application April 11, 1936, Serial No. 73,956
6 Claims. (Cl. 206—15.1)



1. In a sanitary holder for suspending a tooth brush and sterilizing the head of the latter and of that type including an open front sterilizing medium container, said holder including a hollow element for enclosing such receptacle and the head of the tooth brush, and a suspension including means for supporting the receptacle and means for positioning the head forwardly of and in proximity to the open front of the receptacle, said means for supporting the receptacle being secured to the inner face of said element, said means for positioning the brush head forwardly of the receptacle extended forwardly from the lower portion of the means for supporting the receptacle.

2,083,488
TRAIN DESCRIBER SYSTEM
Frank Benedict, Rutherford, N. J., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 17, 1932, Serial No. 593,565
28 Claims. (Cl. 246—124)

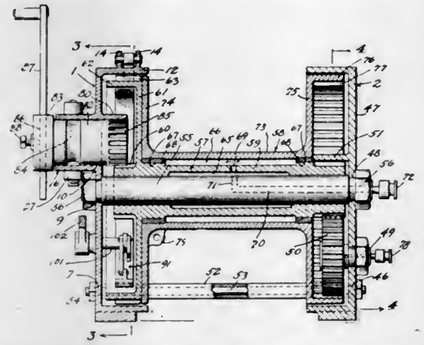


26. In a switching system for railways, a track section comprising a main track and a diverging route connected to said main track by a track switch, a power operated switch machine for operating said track switch, storing means automatically controlled by the successive entrances of a plurality of trains into said main track for storing said entrances, and means including said storing means for successively controlling said switch machine as each train reaches said section.

2,083,489
WINCH
Jesse M. Benson, Concord, Tenn., assignor of one-half to Joseph A. Gheen, Concord, Tenn.
Application April 27, 1936, Serial No. 76,670
14 Claims. (Cl. 254—186)

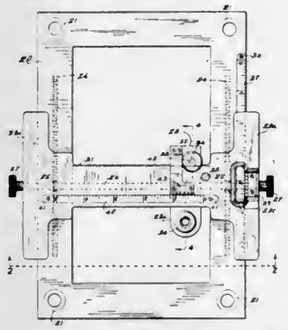
1. In a winch, an operating shaft provided at one end with a pair of spaced selectively actuated

driving elements being so formed for selectively operating said shaft at different speeds in a clockwise or in a counterclockwise direction, said shaft being provided at its other end with a power transmitting element, a drum revolubly mounted on said shaft, means operated from said



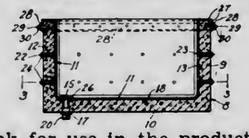
power transmitting element and engaging one end of the drum for revolving the latter, and a portable rotatable actuating element common to and for selective, detachable engagement with the driving elements to provide for the operating of said shaft.

2,083,490
LAYING-OUT DEVICE
Vitus A. Boker, Minneapolis, Minn.
Application July 31, 1935, Serial No. 33,989
5 Claims. (Cl. 77—62)



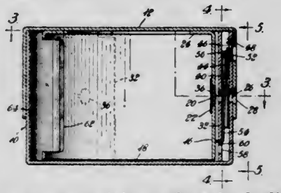
1. A device of the class described having in combination, a base with flat sides at right angles to each other and having a top supporting flat surface for receiving a die plate, means on said member for positioning said die plate and clamping the same in position, a plurality of frame-receiving and holding means rigid with said base member, a removable rigid integral openwork frame mountable on said means and above said member in accurate fixed relation thereto, a drill guide carried on said frame, means at each side of said frame operated by a common means for moving said drill guide on said frame and over said die plate in one direction, means for moving said drill guide in another direction at right angles thereto so that said guide is movable over substantially the whole area of said surface within said frame, scales on said frame for determining the position of said guide and means for clamping said guide in fixed position relative to said frame whereby holes to be drilled can be quickly and accurately located and drilled at once in said die plate and said frame subsequently removed so that said base member can be placed on a flat surface on one or both of said flat sides and said holes checked.

2,083,491
TANK
Edmund Lyman Chaffee, Pasadena, Calif.
Application March 7, 1936, Serial No. 67,580
9 Claims. (Cl. 72—14)



1. A tank for use in the production of beer, comprising wall and floor members of concrete, a flexible, vulcanized rubber lining for the concrete tank, whereby to protect beer in the tank from the concrete and to conform to inequalities in the inner surface of the concrete, and fastening devices having members embedded in the concrete and having complementary members vulcanized in the rubber, said fastening devices maintaining the lining in position in the tank.

2,083,492
CAMERA AND FILM PACK
John L. Cheshire, Jhansi City, India
Application January 24, 1936, Serial No. 60,735
13 Claims. (Cl. 95—19)

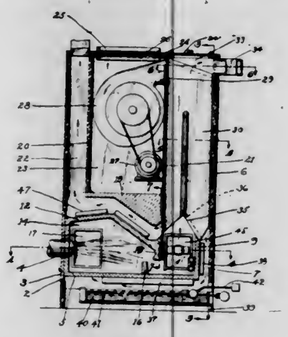


1. A camera comprising a box including a bottom and a wall, a shutter associated with said wall, a cover movably connected with the box for closing the open end thereof, a lens, means carried by said cover for supporting the lens in operative relation with said shutter, means carried by the cover for covering and uncovering the shutter, and means carried by said wall for supporting film.

2,083,493
AIR HEATER
Joseph Frank Herbert, Audubon, N. J.
Application March 3, 1936, Serial No. 66,909
7 Claims. (Cl. 126—110)

1. In an air heater, a housing body, a fuel combustion chamber disposed in said body and having top, bottom and side walls, said side walls being in spaced relation with the side walls of the housing body whereby air may flow from beneath the combustion chamber to the space above the same, an upwardly directed outlet to the rear of said combustion chamber, an inner rear wall in said housing body extending upwardly through the housing body from the combustion chamber at one side of said outlet and forming with the housing body rear wall a vertically extending chamber into which said outlet is directed, a heat transfer unit comprising a plurality of vertically disposed flat tubes arranged in spaced relation in said chamber between the housing body rear wall and the

inner rear wall and over said outlet, said inner rear wall having openings leading therethrough from the spaces between the tubes to the space over the top wall of the combustion chamber, said tubes being open at their upper and lower ends for the passage of products of combustion therethrough, means closing the spaces between the



tubes at the upper and lower ends thereof, means for forcing air downwardly between the tubes for discharge onto the top wall of the combustion chamber, means for leading off the products of combustion from the upper ends of the tubes, and means for leading off the heated air from the housing.

2,083,494

BINAURAL SYSTEM OF BLIND LANDING

Preston R. Bassett, Rockville Centre, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application July 12, 1933, Serial No. 680,019
6 Claims. (Cl. 177—352)



1. The method of blind landing for radio-guided aircraft which consists in flying the aircraft toward an airport along a vertical directional radio beam, listening to the approach thereof by a sound locator set at a definite angle of elevation at the port, and signalling the aircraft by radio to glide down when the craft crosses the predetermined angle of elevation of the sound locator.

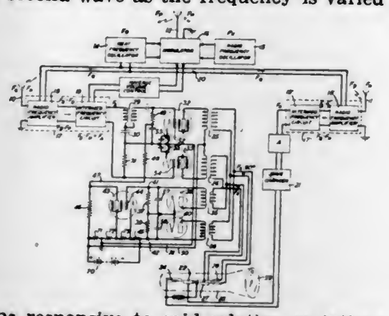
2,083,495

ELECTRICAL INDICATING OR MEASURING SYSTEM

Harold S. Black, Elmhurst, and James O. Edson, Great Kills, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 30, 1935, Serial No. 47,400
6 Claims. (Cl. 178—44)

1. In combination, means for producing a wave of a certain frequency but subject to frequency variation with time, means for producing a wave of the same frequency but having a fixed phase difference from said first wave, said first wave being subject to amplitude variations relative to said second wave as the frequency is varied and



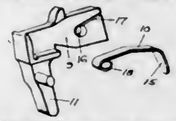
means responsive to said relative variations for controlling the amplitude of said first wave.

2,083,496

THREAD CUTTING TEMPLE

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application November 9, 1936, Serial No. 109,816
10 Claims. (Cl. 139—303)



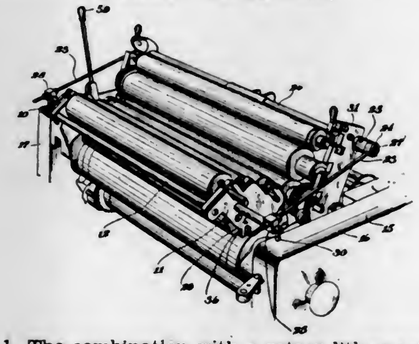
1. As an article of manufacture, a cutter blade for thread cutting temples; said blade comprising a rigid metal body portion having a depending heel at its forward end and substantially parallel vertical side faces rearwardly of said heel, and a separate cutting tip comprised of a strip of steel fixed to said body portion and extending rearwardly therefrom, said strip being of materially greater width than thickness and being positioned with its width normal to the planes of said faces, the rearward end of said strip being bent downwardly and one side edge thereof being sharpened to form a cutting edge thereon.

2,083,497

ROLLER ATTACHMENT FOR LITHOGRAPHIC MACHINES

Ralph C. Dix, New York, N. Y.

Application October 18, 1935, Serial No. 45,629
3 Claims. (Cl. 101—351)



1. The combination with a rotary lithographic printing press, comprising an inking head, a cylindrical lithographic plate and a frame tie

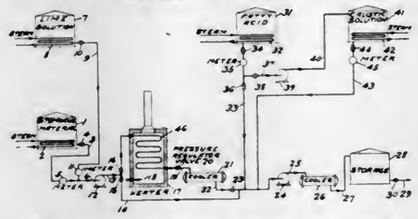
bar; of a detachable auxiliary inking device for diverting a part of the ink from the inking head, serving the lithographic plate, to a separate circumferential portion of said plate, said device comprising a pair of split collars, provided with offset lugs and spacedly clamped around said tie bars, two chassis plates with lugs interlockingly engaging the aforesaid lugs, a set of ink-transferring rollers journalled between the chassis plates and a pair of adjustable braces, adapted to tie the free-swinging ends of the chassis plates to the frame structure of the inking head at a proper angle for operative contact of the auxiliary inking device with the inking head and the lithographic plate.

2,083,498

AQUEOUS BITUMINOUS EMULSION AND PROCESS OF PRODUCING THE SAME

Charles K. Hewes, Los Angeles, and Marvin L. Chappell, Watson, Calif., assignors, by mesne assignments, to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware

Application October 22, 1935, Serial No. 46,108
3 Claims. (Cl. 134—1)



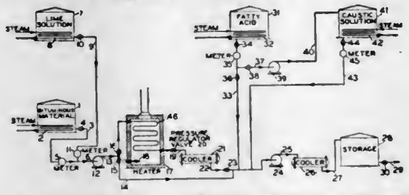
1. A bitumen-in-water emulsion sensitized to coagulate by adsorption and absorption when contacted with solids substantially void of natural salt precipitating agents, comprising, bitumen containing oil soluble heat decomposition products of calcium soaps of the natural petroleum acids contained in the bitumen, emulsified with alkaline water containing an alkali soap of a fatty acid.

2,083,499

PROCESS OF PRODUCING AQUEOUS BITUMINOUS EMULSIONS

Charles K. Hewes, Los Angeles, and Marvin L. Chappell, Watson, Calif., assignors, by mesne assignments, to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware

Original application October 22, 1935, Serial No. 46,108. Divided and this application March 2, 1936, Serial No. 66,614
6 Claims. (Cl. 134—1)



1. A process of producing bitumen-in-water emulsions, sensitized to coagulate by adsorption and absorption when contacted with stone aggregate substantially void of natural salt precipitating agents, comprising, neutralizing bitumen with a metal hydroxide of the alkali earth metals, capable of forming oil soluble and water insoluble metal soaps with the naturally occurring petroleum acids contained therein, heating the neutralized bitumen at a reaction temperature of 400 to 600° F. to produce oil soluble ketones by decomposition of the said metal soaps, and then emulsifying the bitumen containing the ketones with alkaline water containing an alkali soap of a fatty acid.

2,083,500

TOY BUILDING

Mark H. Ince, Cambridge, Mass.

Application July 25, 1936, Serial No. 92,647
1 Claim. (Cl. 46—12)



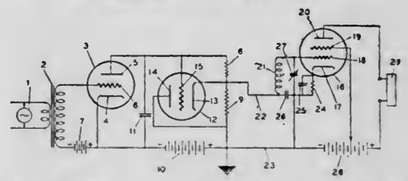
A toy building of the class described comprising, in combination, a substantially flat, hollow base, a tower rising from the rear marginal portion of said base, said tower including vertically spaced horizontal partitions representing floors, an elevator shaft rising from the base at one end of the tower and communicating with the floors, said elevator shaft and the tower being open at their front, a car operable in the elevator shaft, a motor mounted in the base, a drive shaft connected to the motor for actuation thereby, a drum rotatably and slidably mounted on said drive shaft, coacting clutch elements on said drum and said drive shaft for releasably connecting the former to the latter for actuation thereby, a cable windable on the drum and connected to the car for raising and lowering said car, a hand lever pivotally mounted in the base and having an opening therein, the drive shaft extending through said opening, a coil spring encircling the drive shaft and engaged with the hand lever for actuating the same toward the drum for engaging the clutch elements, and means for braking the drive shaft.

2,083,501

AUTOMATIC GAIN-CONTROL SYSTEM

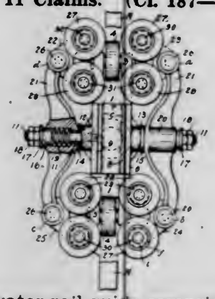
William Cobb Lane, Jr., Clifton, N. J., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application May 28, 1935, Serial No. 23,823
2 Claims. (Cl. 250—20)



1. In a wave signalling system, a first thermionic tube upon which incoming waves are impressed, a pair of resistors in the anode circuit of said tube, a second thermionic tube having its control-grid biased by the potential drop through one of said resistors the other of said resistors being in the anode-cathode circuit of said second tube, a third thermionic tube, a condenser for applying a predetermined static bias to the grid of said third tube, a charging circuit for said condenser including the second resistor, and a discharge circuit for said condenser including the anode-cathode space of said second tube.

2,083,502
ELEVATOR RAIL GUIDE
Arthur A. Matthews, Brooklyn, N. Y., assignor to Elevator Guide Corporation
Application December 7, 1934, Serial No. 756,379
11 Claims. (Cl. 187—95)



1. An elevator rail guide comprising a base, two yokes pivotally mounted on said base and adapted to oscillate, and a plurality of rollers located at each end of said yokes, said rollers being pivotally mounted in such a manner that they may rotate and oscillate.

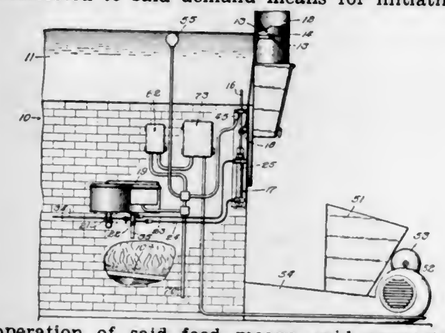
2,083,503
WASHING MACHINE CONSTRUCTION
Jabez Curry Nelson, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application May 21, 1935, Serial No. 22,589
1 Claim. (Cl. 220—42)



In a washing machine construction, a washer tub having substantially vertical sheet metal side walls defining the tub proper, the upper edge of said side walls being turned sharply inward to define a circumferential opening at the top of the tub appreciably smaller than the diameter of the tub proper, and a cover for the tub having a depending rim, said depending rim at a circumference above its lower edge being somewhat arcuate in cross section and at its lower edge being approximately the same diameter as the diameter of the tub proper whereby the side walls of the tub proper and the depending rim of the cover give a substantially continuous appearance when the cover is in position on the tub, the relative difference in diameter of the lower edge of the depending rim of the cover and the circumferential upper edge of the tub and the cross sectional curvature of the depending rim of the cover enabling the cover to be somewhat inaccurately placed upon the tub and be seated in its proper position by the cam action of the inside of the cover against the circumferential upper edge of the tub and sound-deadening means between the meeting surfaces of said tub and cover.

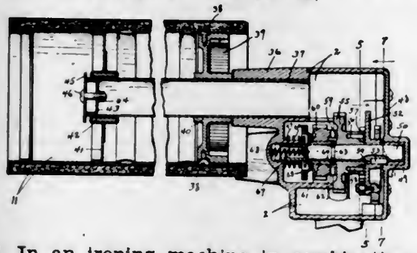
2,083,504
COMBUSTION CONTROL APPARATUS
William H. Pugsley, Michigan City, Ind., assignor to Carrick Engineering Company, Michigan City, Ind., a corporation of Illinois
Application July 13, 1935, Serial No. 31,256
11 Claims. (Cl. 236—15)

1. A device of the character described, including: a furnace having a combustion chamber therein; means for normally maintaining a substantially constant pressure in said combustion chamber, said means including a damper; feed means adapted to positively feed fuel and air to said combustion chamber; demand means; means connected to said demand means for initiating



operation of said feed means, said connected means including means for moving said damper prior to rendering said feed means operative, whereby the initial operation of said feed means will not cause an abnormal increase of pressure in the combustion chamber.

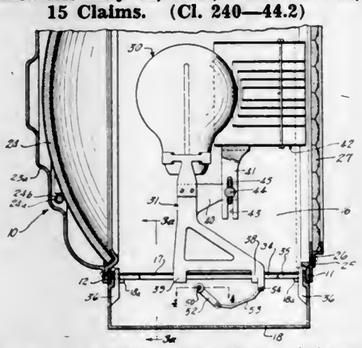
2,083,505
DOMESTIC IRONER
Luther Ringer, Union Springs, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application November 29, 1929, Serial No. 410,485
6 Claims. (Cl. 38—61)



1. In an ironing machine in combination, a rotatable roll and a movable shoe, a shaft, a driving gear loosely mounted on said shaft, an eccentric rigidly mounted on said shaft, connections between said eccentric and said shoe for moving said shoe, clutch means between said driving gear and said eccentric for rotating said eccentric and said shaft, a roll drive gear loosely mounted on said shaft for rotating the roll, means comprising a pair of clutch elements for connecting said roll drive gear to said driving gear, means for moving said shaft axially when said first-mentioned clutch elements are engaged to move the shoe away from the roll, and means for disconnecting said second-mentioned clutch elements upon movement of the shaft axially to stop rotation of said roll, and independent means for disconnecting said second-mentioned clutch elements enabling operation of said shoe while the roll is retained stationary.

3. In an ironing machine, a rotatable roll and a shoe movable toward and away from the roll, motor means, means comprising a pair of clutch elements for connecting and disconnecting said shoe to and from said motor means to move the shoe toward and away from the roll, driving connections including a second pair of clutch elements to rotate the roll from said motor means, means independent of the movement of the shoe for engaging and disengaging said second clutch elements as an incident to the operation of said first clutch elements, said means enabling both of said pairs of clutch elements to be in engagement at the same time, and independently operable means for disengaging the said second clutch elements whereby the roll may be retained stationary and the shoe moved toward and from the roll.

2,083,506
FOCUSING MEANS FOR INCANDESCENT STUDIO SPOTLIGHTS
Jess C. Rose, Los Angeles, Calif., assignor to Motion Picture Electric Products, Los Angeles, Calif., a corporation of California
Application May 21, 1935, Serial No. 22,546
15 Claims. (Cl. 240—44.2)



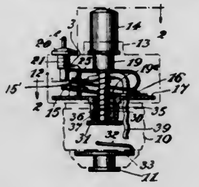
1. In an incandescent studio spot lamp embodying a lamp casing having a curved reflector disposed within the rearward portion thereof, the combination of a light globe carriage within said casing adapted to carry a light globe on the axis of said reflector, means supporting and guiding said carriage for forward and rearward movement in a direction parallel to the optical axis of said reflector, whereby said light globe is movable between spot and flood positions, a manually rotatable shaft extending through a wall of said casing on an axis at right angles to the direction of carriage movement, an operative interconnection between the portion of said shaft that is inside the casing and said carriage so arranged that the light globe is moved between spot and full flood positions within one revolution of the manually rotatable shaft, and manual shaft rotating means operating on the exterior portion of the shaft.

2,083,507
RESISTANCE ELEMENT
Newton C. Schellenger, Elkhart, Ind., assignor to Chicago Telephone Supply Co., Elkhart, Ind., a corporation of Indiana
Application January 16, 1936, Serial No. 59,349
17 Claims. (Cl. 201—73)



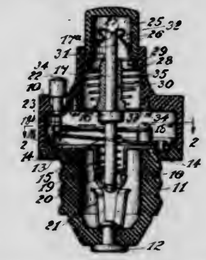
1. In a resistance device, a substantially arcuate resistance element of conductive material, wherein the conductive material is so positioned that the conductivity increases and the resistance of the resistance element per unit of area decreases in a direction extending transversely outwardly across the element, to provide for a uniform distribution of heat thereover.

2,083,508
CIRCUIT BREAKER
Lambert Schmidt, Leeds, N. Y.
Application June 18, 1935, Serial No. 27,175
17 Claims. (Cl. 200—116)



1. A circuit breaker comprising an electric light socket plug member, a plunger in said member, a spring for acting on said plunger, a spring plate for acting directly on said plunger for holding the same in locked position, and a thermostatic member in circuit with said socket adapted to act on said spring plate when said spring plate engages the plunger, and closes the circuit, and electric connections for conducting electric current through the thermostatic member, whereby when an excess of current passes through the thermostatic member, the plunger and spring plate are disengaged and the electric circuit is broken.

2,083,509
CIRCUIT BREAKER
Lambert Schmidt, Leeds, N. Y.
Application June 18, 1935, Serial No. 27,176
15 Claims. (Cl. 200—116)

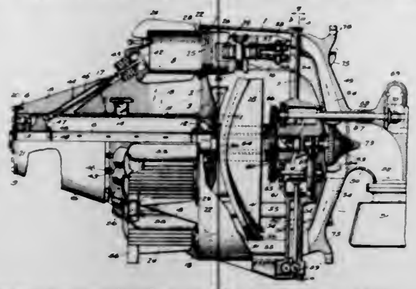


1. A circuit breaker having a casing, a movable rod therein for making or breaking the circuit, a spring plate for locking the rod in position, a thermostatic plate for operating the spring plate in case of overload; a push-button for operating the rod, said button having means for pushing the rod in closed contact position and permitting release of said rod from said contact position when the overload unlocks the rod while the button is pushed in.

2,083,510
CAM ENGINE
Melburne Stigers, Tucson, Ariz.
Application June 17, 1935, Serial No. 27,119
8 Claims. (Cl. 74—56)

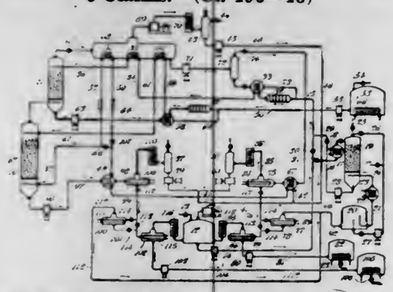
1. A cam and piston assembly for a cam engine comprising a cam having a main track surface on one face thereof and a pair of separate and distinct follower track surfaces on the opposite face, and a piston having a drive roller engaged with the said main track surface and also having follower roller engaged with the said follower track surfaces fore and aft of the drive roller, the distance between the main track surface and

the follower track surfaces varying alternately for maintaining the center line of the rollers



always perpendicular to the plane of rotation of the cam.

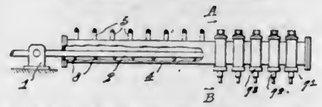
2,083,511
REFINING MINERAL OIL
Malcolm H. Tuttle, New Rochelle, N. Y., assignor to Max B. Miller & Co., Inc., New York, N. Y., a corporation of Delaware
Application November 20, 1933, Serial No. 698,746
6 Claims. (Cl. 196—13)



1. In oil refining apparatus, a chamber adapted to effect a preliminary stratification of a liquid mixture, a series of successive chambers in which the lower layer removed from the first-named chamber is treated, and a series of successive chambers in which the upper layer removed from the first-named chamber is treated, and means to cause an upper layer to flow from a chamber in the first-named series to a chamber in the second-named series.

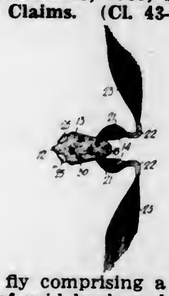
6. Method of separating oil into raffinate and extract fractions by means of solvents, which comprises admitting a solvent for raffinate type of constituents present in the oil into one end chamber of a series of extraction chambers, admitting a solvent for extract type of constituents present in the oil into the opposite end chamber, admitting the oil to be refined into an intermediate chamber, passing mixtures containing said solvents into said intermediate chamber to cause the oil to separate into raffinate and extract layers therein, passing the extract layer from said intermediate chamber into an adjacent chamber and toward the first-named end chamber, passing the raffinate layer from said intermediate chamber into an adjacent chamber toward said second-named end chamber, withdrawing an extract fraction from the first-named end chamber, withdrawing a raffinate fraction from a point adjacent the second-named end chamber, returning portions of oil and solvents from said adjacent chambers to said intermediate chamber, and maintaining a substantially higher rate of flow of oil and solvents between said intermediate chamber and said chambers thereadjacent, than the rate of withdrawal of raffinate and extract fractions from the end chambers.

2,083,512
APPARATUS FOR SUPPLYING SPINNING SOLUTION TO ARTIFICIAL SILK SPINNING MACHINES
Gotthard Bauriedel, Wuppertal-Barmen, and Fritz Heger, Wuppertal-Oberbarmen, Germany, assignors to the firm American Bemberg Corporation, New York, N. Y., a corporation of Delaware
Application January 30, 1932, Serial No. 589,902
In Germany January 30, 1931
4 Claims. (Cl. 18—8)



1. In a device for supplying spinning solution to a plurality of nozzles, in combination, a pump for forcing the spinning solution to be used, a pipe to which said pump is attached, said pipe attached within a spinning pipe, said pipe having apertures for communicating with said spinning pipe; said spinning pipe supplying a series of spinning units, said units being connected to said spinning pipe by branch pipes.

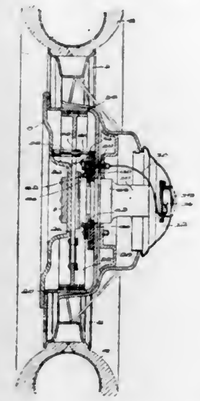
2,083,513
FISHING FLY AND METHOD OF PRODUCING SAME
Floyd O. Burge, South Bend, Ind., assignor to South Bend Bait Company, South Bend, Ind.
Application October 18, 1935, Serial No. 45,537
15 Claims. (Cl. 43—48)



1. A fishing fly comprising a hook, hair tied to the shank of said hook and cut to simulate the shape of the body of a frog, a pair of oppositely disposed bunches of said hair spaced from the rear of said body projecting from said body in rearwardly diverging relation, a rigid substantially L-shaped member inserted centrally between the hairs of each bunch intermediate the length of the projecting part thereof, and a thread wound around and tied to said bunch and member whereby the outer portions of said bunches extend laterally outwardly from the remainder thereof.

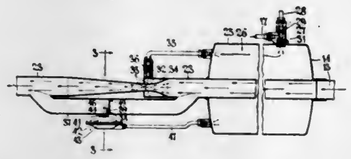
2,083,514
WHEEL HUB LIGHT
Elvers H. Brown, Gauley Bridge, W. Va., assignor to The Auto Hublight Company, Charlottesville, Va., a copartnership consisting of Elvers H. Brown, Syria, Va., and Harry D. Faulconer, Charlottesville, Va.
Application June 26, 1935, Serial No. 28,552
2 Claims. (Cl. 240—8.12)

1. An automobile hub cap light including a bulb "grounded" to said hub cap, a brake drum secured to the wheel on which said hub cap is mounted, a brake housing, a hollow bolt securing said brake drum to said wheel, an electrical conductor connected to said bulb and passing through said hollow bolt, a contact ring secured within said brake drum, insulated therefrom, and electrically



connected with said conductor, and a contact brush secured within the brake drum housing in position to engage said contact ring, said contact brush being insulated from said brake housing and electrically connected with a source of supply of electricity.

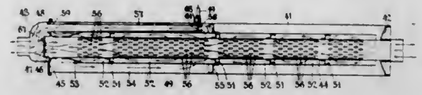
2,083,515
MUFFLER
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application April 12, 1935, Serial No. 16,078
6 Claims. (Cl. 181—65)



1. In a suction producing device, a passage for exhaust gases, a portion of said passage being constructed to provide a Venturi throat, said throat having a port therein and a suction conduit connected to said port, a by-passage for exhaust gases connected to said first mentioned passage on opposite sides of the constricted portion for by-passing gases thereby, a valve in said by-passage, and means operable by fluid pressure differential and connected to the suction conduit for controlling said valve.

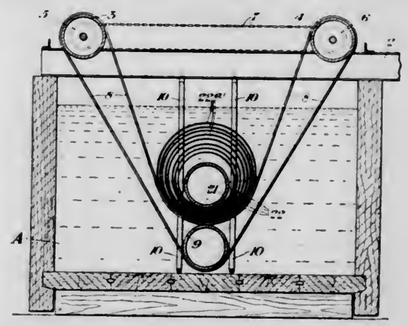
2,083,516
MUFFLER
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application April 26, 1935, Serial No. 18,475
10 Claims. (Cl. 181—65)

1. In a muffler, a perforated tubular member open at one end for receiving exhaust gases, a pressure responsive valve at the other end of said tubular member for opening in the presence of more than a predetermined pressure within said tube, a second tube surrounding the first-mentioned tube and spaced therefrom by plural wall members at spaced intervals along the tubes, a muffler casing extending about said tubes and valve and defining an outlet chamber beyond the



valve and a chamber around the second tube, the end of said last-mentioned chamber adjacent the valve being in communication with the space between tubes, and a Venturi tube having a suction take-off arranged longitudinally within the last-mentioned chamber and having its discharge opening into said outlet chamber.

2,083,517
METHOD OF TREATING COILED MATERIAL
Edwin T. Lorig, Gary, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey
Application February 19, 1934, Serial No. 712,088
1 Claim. (Cl. 148—8)

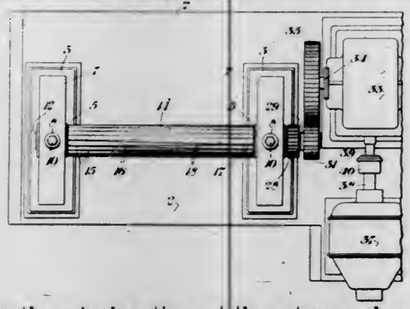


The method of treating a loose coil of metal with a liquid which includes the steps of immersing the coil entirely in a body of treating liquid, applying directly opposed confining mechanical pressures from the interior and exterior of said coil to confine a relatively small area of the convolutions of said coil between said pressures, positively rotating said coil to continually bring successive areas between said confining pressures while permitting the convolutions of the areas moving from between said confining pressures to expand and separate one from the other due to the inherent resiliency of the coiled metal, whereby the treating liquid is forced to wash over the surfaces of the convolutions of coiled metal by the movement of the convolutions of the coiled metal toward and away from each other.

2,083,518
METHOD OF PREPARING METAL STRIP
Edwin T. Lorig, Gary, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey
Application June 8, 1934, Serial No. 729,657
4 Claims. (Cl. 153—7)

1. The method of preparing a metal strip for subsequent immersion in liquids which includes corrugating substantial lengths of the same,

thereby producing raised sections at the extreme edges thereof, coiling said strip, and maintaining



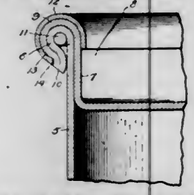
only the raised sections at the extreme edges of adjacent convolutions in contact therebetween.

2,083,519

HEAD SEAMS FOR STEEL BARRELS AND DRUMS AND METHOD THEREOF

Arthur O. Miller, Youngstown, Ohio, assignor to The Petroleum Iron Works Company of Ohio, Sharon, Pa., a corporation of Ohio

Application August 12, 1935, Serial No. 35,853
7 Claims. (Cl. 113—121)



3. The method of heading steel barrels or drums which consists in outwardly bending the juxtaposed flanges of shell and head members over a wire to provide a multiple wall end bead of general ogee form, the terminal of the bead being directed outwardly to facilitate seam closing and to provide an abutment for a chime, applying a chime to said bead in flush relation with the abutment, and closing the seam with weld deposit metal.

2,083,520

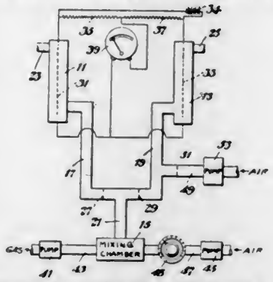
GAS ANALYZING PROCESS AND APPARATUS

Benjamin Miller, Richmond Hill, N. Y., assignor to Power Patents Company, Jersey City, N. J., a corporation of Maine

Application January 4, 1933, Serial No. 650,133
15 Claims. (Cl. 23—232)

1. The method of measuring the concentration of a fluid reactant in a fluid mixture which comprises mixing therewith under conditions unfavorable for reaction a regulated amount of a second fluid reactive with the former, thereby forming a fluid reactant mixture, dividing the said reactant mixture into two uniformly proportional portions, adding to one of said portions a small increment of either reactive fluid, thereafter concurrently subjecting the said fluid portions to conditions producing reactions therein, measuring the difference in the intensities of the resultant reactions in the respective fluid portions, adjusting the amount of second reactive fluid in the said fluid reactant mixture to balance the intensities of the said reactions, and measuring the amount of the second reactive fluid thus required.

14. In apparatus for measuring the amount of a combustion element in a fluid, the combination of mixing means for mixing with said fluid a second fluid combustion element reactive with the former, means for dividing the resulting mixture into two uniformly proportional portions, a device for modifying one of the said portions by introducing thereto a small fixed increment of a combustion element adapted to react with one of



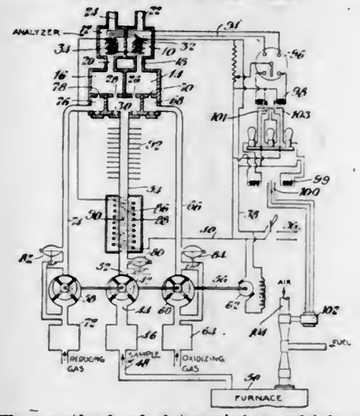
said first named combustion elements, means for regulating and measuring the second combustion element flowing to the first named mixing means, two reaction cells, means for directing the said modified portion through one cell, means for directing the unmodified portion through the other cell, and means for indicating any difference in temperatures developed in the two cells.

2,083,521

ANALYSIS OF FLUID MIXTURES

Benjamin Miller, Richmond Hill, N. Y., assignor to Power Patents Company, Jersey City, N. J., a corporation of Maine

Application March 9, 1934, Serial No. 714,755
12 Claims. (Cl. 23—255)



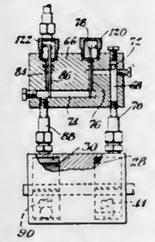
1. The method of determining which one of two mutually reactive components is present in excess in a gaseous mixture, which comprises subjecting a continuously flowing sample of said mixture to conditions under which reaction takes place between said components so as to increase the ratio of the excess component to the deficient component, dividing the resulting reaction mixture into two uniformly proportional streams, adding a small increment of a gas reactive with one of said components to one stream, adding a small increment of a second gas reactive with the other component to the other stream, employing a sufficient volume of the increment gas which reacts with the excess component of the gas mixture to give an indication of the presence of said excess component, proportioning the volumes of said added increments with relation to each other so as to balance said increments with respect to their thermal capacities and heat conductivities, passing the thus modified streams through identical reaction zones while subjecting the streams to uniform conditions under which reaction takes place between the components and the gases reactive therewith, and indicating any difference in the intensities of the resultant reactions in the respective gaseous streams.

2,083,522

GAS ANALYZING APPARATUS

John D. Morgan, South Orange, N. J., assignor to Power Patents Company, Jersey City, N. J., a corporation of Maine

Application September 12, 1932, Serial No. 632,675
2 Claims. (Cl. 137—165)



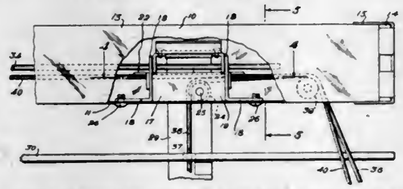
2. In gas analyzing apparatus, a flow-regulating device comprising an orifice block, a pressure relief chamber within said block having an outlet leading to atmosphere and having an inlet to which gas to be analyzed is supplied under pressure, a mixing chamber within said block having an outlet from which gas is removed under suction, an orifice conduit communicably connecting said pressure relief chamber and said mixing chamber, an aperture extension of said orifice conduit ported out through a wall of said block, a freely rotatable longitudinally slidable flow-regulating member disposed longitudinally of said orifice conduit and dimensioned to limit to a calibrated amount the flow-capacity of said conduit, and a removable plug closure for the aperture whereby to afford access for the rapid removal and replacement of said flow regulating member.

2,083,523

VENETIAN BLIND

Julius Nisenson, Brooklyn, N. Y.

Application March 6, 1936, Serial No. 67,499
20 Claims. (Cl. 156—17)



1. In a Venetian blind, a casing and an elevating cord guide longitudinally shiftable with relation to said casing.

2,083,524

CORROSION RESISTANT ALLOY

Peter Payson, New York, N. Y.

No Drawing. Application November 27, 1931, Serial No. 577,705
4 Claims. (Cl. 75—128)

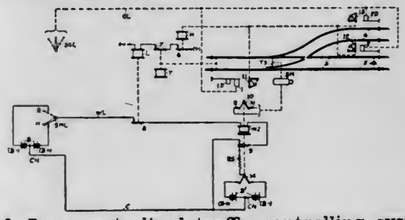
1. A corrosion resisting alloy steel article, at least a portion of which is exposed in use to temperatures of about 1000 to 1600° F. and thereafter without subsequent heating and quenching from a higher temperature, to liquid media inducing intergranular attack, said article being resistant to said attack, said steel containing: about 16 to 30% chromium, about 7 to 20% nickel, from about .07 to under .25% carbon in proportions to form austenite when cooled quickly from about 1850 to 2100° F., an effective amount up to about 5% molybdenum and an effective amount up to about 5% silicon, the molybdenum and silicon being present in such proportions as to form a resulting alloy steel containing delta ferrite.

2,083,525

RAILWAY TRAFFIC CONTROLLING SYSTEM

Winfred T. Powell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application July 31, 1934, Serial No. 737,781
11 Claims. (Cl. 246—3)



10. In a centralized traffic controlling system for railroads, a track section, a track switch associated with said section, a control lever, a control relay having neutral and polar contacts, a single control circuit including said neutral contacts in one position distinctively energized in accordance with the position of said lever for distinctly controlling said polar contacts, means controlled by a first polar contact of said relay for governing the operation of said track switch, and means controlled by said neutral contacts in another position and a second polar contact of said relay for permitting or preventing the control of said relay by said lever in accordance with the correspondence or noncorrespondence respectively between said lever and said second polar contact.

2,083,526

PLANT SUPPORT

George P. Rinker, Brooklyn, Ind.

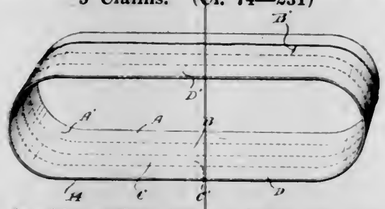
Application July 1, 1936, Serial No. 88,320
5 Claims. (Cl. 47—47)



3. A plant support formed from a single piece of wire bent to provide a vertical helical coil, a

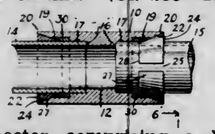
portion of said wire at the base of said coil being bent to provide a ring base of greater diameter than the diameter of the coil, and the remaining portion of the wire being extended downwardly beyond the base, adapted to be inserted into the ground.

2,083,527
PRESSURE BAND FOR VULCANIZING MACHINES
John M. Bierer, Newton, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application May 26, 1936, Serial No. 81,839
5 Claims. (Cl. 74—231)



3. A wide endless tension band for use in a vulcanizing machine having a vulcanizing drum against a substantial arcuate portion of which the band is adapted continuously to press vulcanizable material held therebetween as the band under tension moves along with the drum, the band comprising a plurality of endless ribbon-like steel sections of high tensile strength, narrower than the band and of equal length and thickness, welded in edge to edge relation into an integral unit of uniform thickness on both sides of and across the welded edge-to-edge joints and having one face lying wholly in a single plane on both sides of and across said joints.

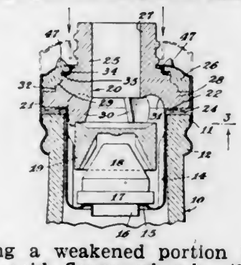
2,083,528
CONNECTER
William J. Burkart, Greensburg, Pa., assignor to Thomas Hahessey, Pittsburgh, Pa.
Application June 30, 1934, Serial No. 733,175
10 Claims. (Cl. 285—115)



4. A connecter comprising a hollow fitting member including an entrance for a pipe-like element and having a radially-extended mouth, a ring-like structure for position around the element and axial movement thereon into said mouth for radial holding position between the member and the element, said member and said ring, in said position of the ring, forming a chamber inwardly of the ring about the element therebetween, and said ring providing an entrance to said chamber for a solder-like liquid, and a solder-like body in said chamber for sealing and securing the member and the ring to each other and to the element.

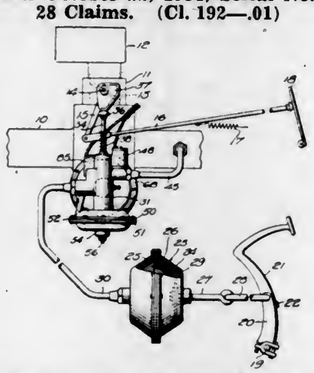
2,083,529
BOTTLE CLOSURE
Edgeworth Greene, Upper Montclair, N. J.
Application August 29, 1935, Serial No. 38,388
27 Claims. (Cl. 215—21)

1. A combination of the character described comprising an orificed cover member for the neck of a bottle or the like, said cover member being provided with an annular slot, and a ferrule for securing said cover member to the neck of a bottle or the like, said ferrule having a skirt portion to fit around the bottle neck and having an annular flange portion locked in said annular slot



and having a weakened portion between said skirt and said flange whereby the ferrule is substantially locked against separation from the cover member independently of the bottle, and attempted removal of same will rupture the weakened portion of the ferrule.

2,083,530
CLUTCH CONTROL MECHANISM
Edward G. Hill, South Bend, Ind., assignor to Hill Engineering Corporation, Richmond, Va., a corporation of Virginia
Application October 22, 1934, Serial No. 749,451
28 Claims. (Cl. 192—.01)

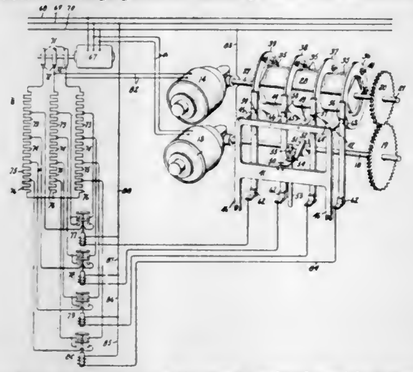


1. Clutch control mechanism for a motor vehicle including a clutch, comprising a power device connected to the clutch, control mechanism for effecting actuation of the power device to disengage the clutch and for variably effecting deactuation of the power device to engage the clutch, auxiliary control means automatically operative for limiting the rate of clutch engagement when said control mechanism tends to release the clutch for too rapid engagement, and means for rendering said auxiliary control means ineffective.

2,083,531
CONTROL MEANS
Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 28, 1936, Serial No. 113,167
11 Claims. (Cl. 172—274)

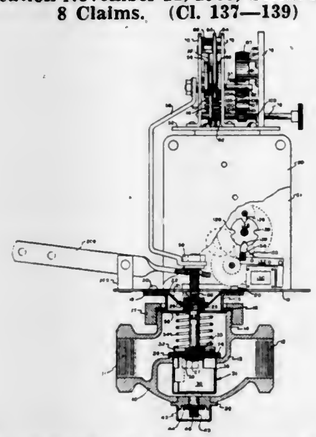
11. Differential control means comprising a differential mechanism including a housing movable in accordance with variations in a condition to be controlled, a plurality of contacts pivotally mounted adjacent said housing, means

for imparting to said contacts a vibratory movement, a plurality of individually movable cooperating contacts respectively associated with said vibratory contacts and normally positioned beyond the range of vibration, a plurality of annular cams secured to said housing for selectively moving said cooperating contacts into and out of said range of vibration in accordance with the movement of said housing to provide intermittent engagement of said contacts, the duration of contact engagement during each vibration de-



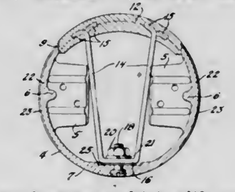
pending upon the positions to which said cooperating contacts are moved, said cams being arranged to move each of said cooperating contacts to a position providing continuous contact engagement before the next cooperating contact is moved into said range of vibration, means for adjusting said cams on said housing to vary the sequential movement of said cooperating contacts, and means controlled by the selective engagement and disengagement of said contacts for varying said condition to be controlled.

2,083,532
ELECTRICALLY OPERATED SNAP ACTION MODULATING VALVE
Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 11, 1933, Serial No. 697,688
8 Claims. (Cl. 137—139)



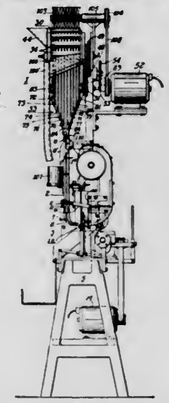
1. In combination, a flow controlling element, a control member movable back and forth along a predetermined path of travel, reversible motor means, circuits for operatively energizing said motor means, switching mechanism in control of said circuits, connections between said member and switching means for controlling said switching means, an instrumentality to be controlled, connections between said motor means, switching means and instrumentality, electrical means constantly connected to a source of electrical power for releasing said instrumentality for return to a given position independently of said motor means upon a failure in electrical power, a manual operator for moving said instrumentality to some other position independently of said motor means and latching it therein, and switching means for returning said instrumentality to the control of said motor means upon the resumption of power.

2,083,533
PISTON FOR INTERNAL COMBUSTION MOTORS
Elmer C. Long, Grosse Pointe Park, Mich.
Application October 27, 1934, Serial No. 750,247
7 Claims. (Cl. 309—13)



1. A piston having a skirt with opposing thrust sides, one of the thrust sides of the skirt being integral with the head and the other thrust side comprising a cylinder bearing block inserted in the skirt and extending the approximate length of the skirt, and a rigid bifurcated member having means for adjustably securing one end to the integral thrust side of the skirt and its extending ends embedded in the cylinder bearing block.

2,083,534
PIN FEEDING APPARATUS
Frank Magidson, Pittsburgh, Pa., assignor to Pittsburgh Tag Company, a corporation of Pennsylvania
Application February 16, 1934, Serial No. 711,550
23 Claims. (Cl. 93—87)

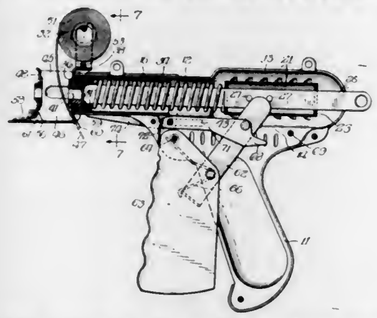


1. A feeding device for safety pins comprising a rotating drum having a plurality of rows of segmental circumferentially spaced slots through which pins may pass from the interior of the

drum and be discharged, said slots being provided with means for allowing pins to pass therethrough only when occupying a predetermined position in the slots, and a magazine for receiving the pins and storing them in the same relative position as they were in when discharged from the drum.

2,083,535
TOY
Otto A. Langos, Chicago, Ill.
Application April 4, 1936, Serial No. 72,707
17 Claims. (Cl. 46—195)

1. A paper breaker toy gun having a stationary compression chamber with an outlet at the end thereof, a piston slidable in the chamber and a connected piston rod with the latter having stud means thereon, spring means acting on said piston, hand operated combination cocking and firing mechanism acting upon said stud means to cock and fire said piston all in a single continuous stroke with said piston being completely disengaged from said mechanism on the firing movement, and combination paper feeding and paper sealing means for the gun longitudinally movable thereon upon operation of the cocking and firing mechanism and having a paper seal-

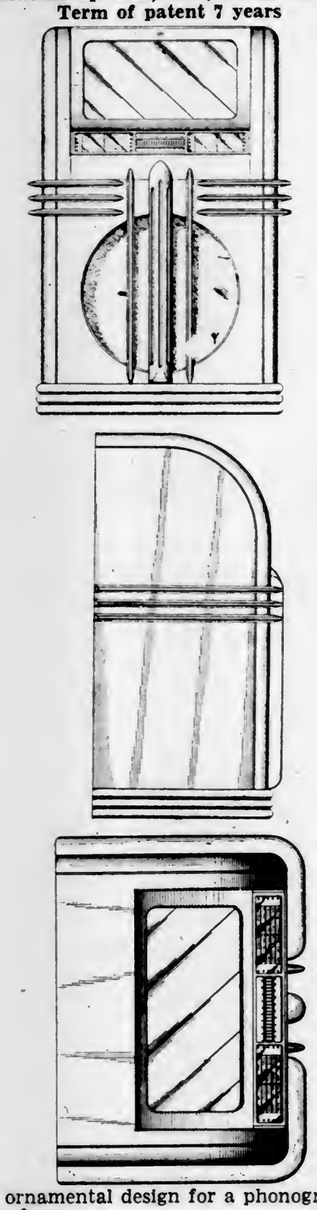


ing plate portion at the end thereof for drawing against paper positioned over the outlet from the compression chamber to seal said paper thereon.

DESIGNS

JUNE 8, 1937

104,828
DESIGN FOR A PHONOGRAPH CABINET
Lloyd J. Andres, Chicago, Ill., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application April 10, 1937, Serial No. 68,658
Term of patent 7 years



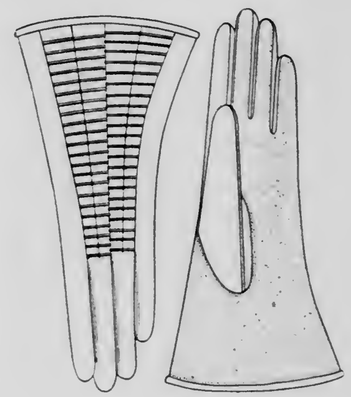
The ornamental design for a phonograph cabinet as shown.

104,829
DESIGN FOR A PAD HOLDER
Mary Beck, Minneapolis, Minn.
Application March 22, 1937, Serial No. 68,345
Term of patent 7 years



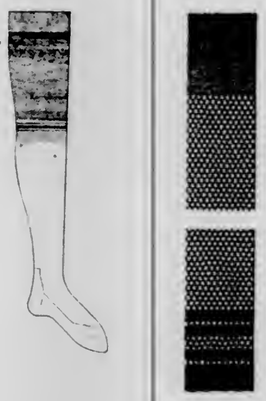
The ornamental design for a pad holder, as shown.

104,830
DESIGN FOR A GLOVE
Brenton F. Beverly, New York, N. Y.
Application April 9, 1937, Serial No. 68,651
Term of patent 7 years



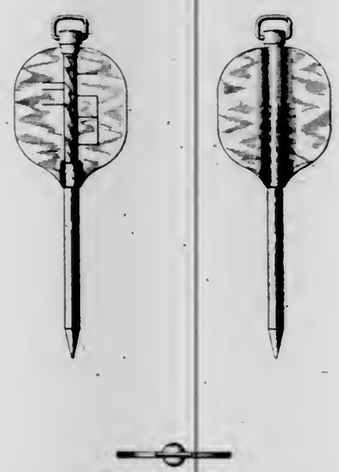
The ornamental design for a glove, substantially as shown.

104,831
DESIGN FOR A STOCKING
Charles W. Campbell, New York, N. Y.
Application February 13, 1937, Serial No. 67,628
Term of patent 3½ years



The ornamental design for a stocking as shown.

104,832
DESIGN FOR A THERMOMETER
John L. Chaney and Ralph C. Wappner, Springfield, Ohio
Application March 17, 1937, Serial No. 68,243
Term of patent 3½ years



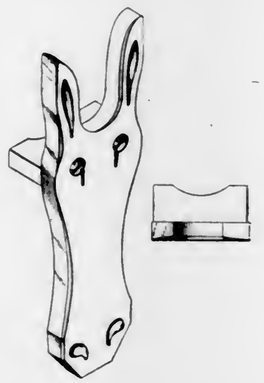
The ornamental design for a Thermometer substantially as shown.

104,833
DESIGN FOR A WRAPPING PAPER OR SIMILAR ARTICLE
Elsie J. Das, Honolulu, Territory of Hawaii, assignor to Watumull Brothers, a firm composed of Jhamandas Watumull, Gobindram J. Watumull and Ramchand Watumull and doing business as East India Store, Honolulu, Territory of Hawaii
Application January 4, 1937, Serial No. 66,881
Term of patent 3½ years



The ornamental design for a wrapping paper or similar article, substantially as shown and described.

104,834
DESIGN FOR A BOOTJACK
Christian F. Decker, 4th, Philadelphia, Pa.
Application April 10, 1937, Serial No. 68,673
Term of patent 7 years



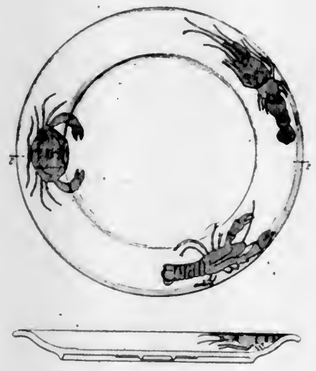
The ornamental design for a bootjack, substantially as shown.

104,835
DESIGN FOR A BOTTLE
John L. Dunnock, Baltimore, Md., assignor to Swindell Brothers, Incorporated, Baltimore, Md.
Application January 18, 1937, Serial No. 67,135
Term of patent 7 years



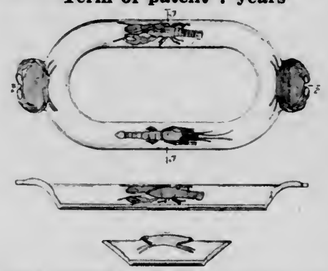
The ornamental design for a bottle substantially as shown.

104,836
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Henry O. Ebeling, Philadelphia, Pa., assignor to Ebeling & Reuss, Inc., Philadelphia, Pa., a corporation of Delaware
Application March 20, 1937, Serial No. 68,289
Term of patent 7 years



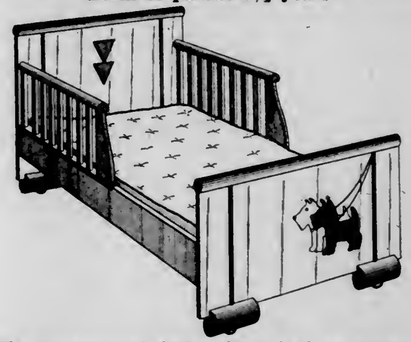
The ornamental design for a plate or similar article as shown.

104,837
DESIGN FOR A PLATTER OR SIMILAR ARTICLE
Henry O. Ebeling, Philadelphia, Pa., assignor to Ebeling & Reuss, Inc., Philadelphia, Pa., a corporation of Delaware
Application March 20, 1937, Serial No. 68,290
Term of patent 7 years



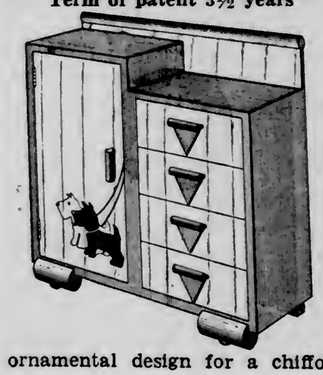
The ornamental design for a platter or similar article as shown.

104,838
DESIGN FOR A BED
Abraham G. Feldman, Chicago, Ill.
Application April 29, 1937, Serial No. 69,055
Term of patent 3½ years



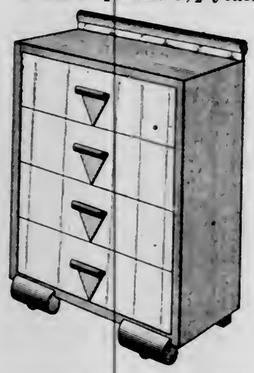
The ornamental design for a bed, as shown.

104,839
DESIGN FOR A CHIFFOROBE
Abraham G. Feldman, Chicago, Ill.
Application April 29, 1937, Serial No. 69,056
Term of patent 3½ years



The ornamental design for a chifforobe, as shown.

104,840
DESIGN FOR A CHEST OF DRAWERS
Abraham G. Feldman, Chicago, Ill.
Application April 29, 1937, Serial No. 69,057
Term of patent 3½ years



The ornamental design for a chest of drawers, as shown.

104,841
DESIGN FOR A CRIB
Abraham G. Feldman, Chicago, Ill.
Application April 29, 1937, Serial No. 69,058
Term of patent 3½ years



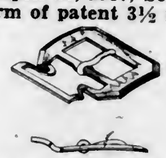
The ornamental design for a crib, as shown.

104,842
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Juan F. Fleitas, Key West, Fla.
Application October 29, 1936, Serial No. 65,579
Term of patent 7 years



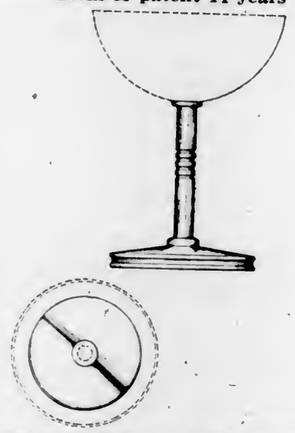
The ornamental design for a badge, or similar article as shown.

104,843
DESIGN FOR A BUCKLE
Carmen S. Felch, Providence, R. I., assignor to Ernest E. Weller, Providence, R. I.
Application April 20, 1937, Serial No. 68,884
Term of patent 3½ years



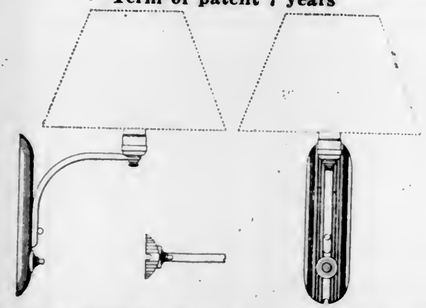
The ornamental design for a buckle substantially as shown.

104,844
DESIGN FOR A GOBLET
Edwin W. Fuerst, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 30, 1936, Serial No. 65,599
Term of patent 14 years



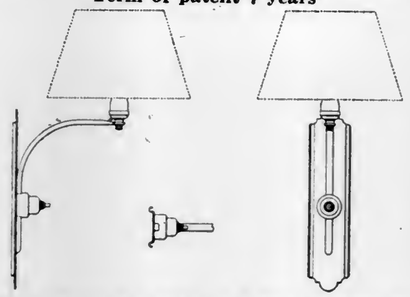
The ornamental design for a goblet substantially as shown and described.

104,845
DESIGN FOR A WALL BRACKET LAMP
Edwin R. Goodman, Shaker Heights, Ohio, assignor to Railley Corporation, Cleveland, Ohio, a corporation of Ohio
Application April 14, 1937, Serial No. 68,782
Term of patent 7 years



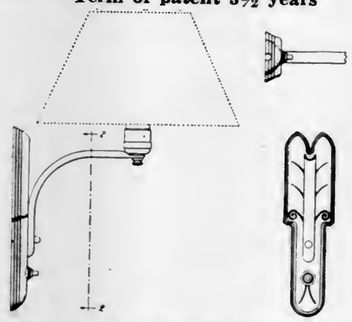
The ornamental design for a wall bracket lamp substantially as shown and described.

104,846
DESIGN FOR A WALL BRACKET LAMP
Edwin R. Goodman, Shaker Heights, Ohio, assignor to Railley Corporation, Cleveland, Ohio, a corporation of Ohio
Application April 14, 1937, Serial No. 68,783
Term of patent 7 years



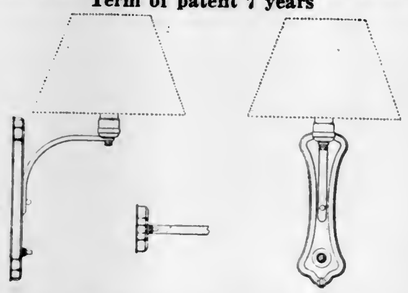
The ornamental design for a wall bracket lamp, substantially as shown and described.

104,847
DESIGN FOR A WALL BRACKET LAMP
Edwin R. Goodman, Shaker Heights, Ohio, assignor to Railley Corporation, Cleveland, Ohio, a corporation of Ohio
Application April 14, 1937, Serial No. 68,784
Term of patent 3½ years



The ornamental design for a wall bracket lamp, substantially as shown and described.

104,848
DESIGN FOR A WALL BRACKET LAMP
Edwin R. Goodman, Shaker Heights, Ohio, assignor to Railley Corporation, Cleveland, Ohio, a corporation of Ohio
Application April 14, 1937, Serial No. 68,785
Term of patent 7 years



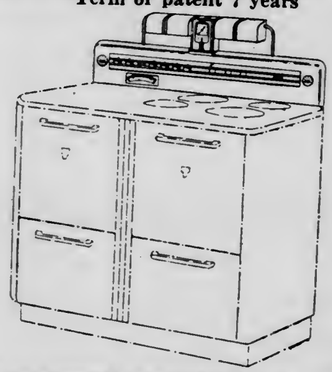
The ornamental design for a wall bracket lamp, substantially as shown and described.

104,849
DESIGN FOR A FINGER RING
John J. Gruen, South Orange, N. J., assignor to Moore & Son, Inc., Newark, N. J., a corporation of New Jersey
Application December 11, 1936, Serial No. 66,483
Term of patent 7 years



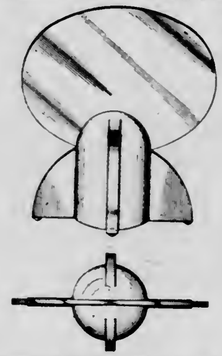
The ornamental design for a finger ring, as shown.

104,850
DESIGN FOR A RANGE OR SIMILAR ARTICLE
Donald L. Hadley, Mansfield, and Clifford A. Sipe, Shelby, Ohio, assignors to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application March 28, 1936, Serial No. 61,838
Term of patent 7 years



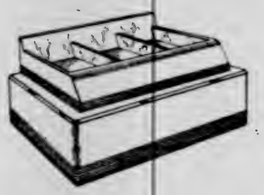
The ornamental design for a range or similar article substantially as shown and described.

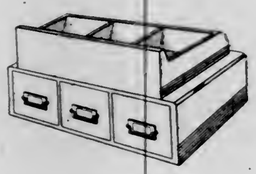
104,851
DESIGN FOR A SIGN
Hyman C. Hammer, Chicago, Ill., assignor to Price Brothers, Inc., Chicago, Ill., a corporation of Illinois
Application March 17, 1937, Serial No. 68,210
Term of patent 3½ years



The ornamental design for a sign, substantially as shown.

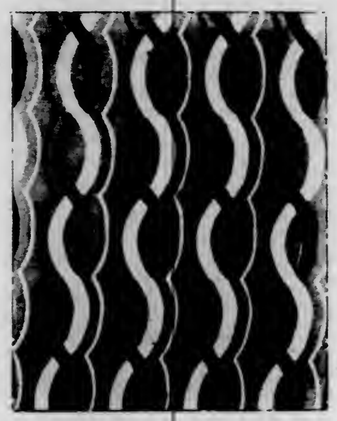
104,852
DESIGN FOR A COMBINATION MERCHANDISE DISPLAY RACK AND CABINET
Samuel D. Heed, Cincinnati, Ohio, assignor to The Gibson Art Company, Cincinnati, Ohio, a corporation of Ohio
Application January 19, 1937, Serial No. 67,158
Term of patent 14 years





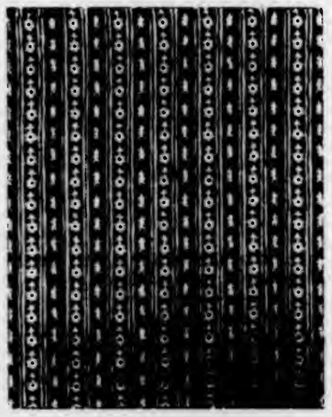
The ornamental design for a combination merchandise display rack and cabinet as shown.

104,853
DESIGN FOR A TEXTILE FABRIC
Jacques Heim, Paris, France
Application May 12, 1937, Serial No. 69,320
Term of patent 3½ years



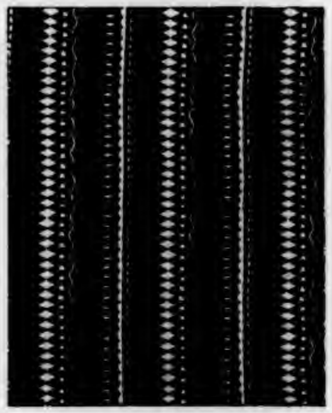
The ornamental design for a textile fabric substantially as shown.

104,854
DESIGN FOR A TEXTILE FABRIC
Jacques Heim, Paris, France
Application May 13, 1937, Serial No. 69,339
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

104,855
DESIGN FOR A TEXTILE FABRIC
Jacques Heim, Paris, France
Application May 14, 1937, Serial No. 69,347
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

104,856
DESIGN FOR AN ALPHABET AND NUMERAL CUT-OUT SHEET
Charles Hensel, New York, N. Y.
Application April 17, 1937, Serial No. 68,848
Term of patent 14 years



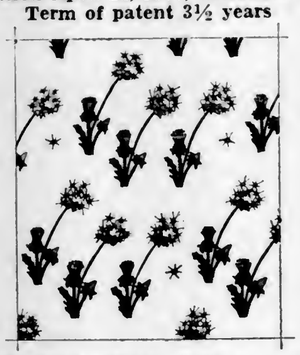
The ornamental design for an alphabet and numeral cut-out sheet, as shown.

104,857
DESIGN FOR A TEXTILE FABRIC
Walter F. Kaplan, San Francisco, Calif.
Application April 14, 1937, Serial No. 68,769
Term of patent 3½ years



The ornamental design for a textile fabric as shown.

104,858
DESIGN FOR A TEXTILE FABRIC
Walter F. Kaplan, San Francisco, Calif.
Application April 14, 1937, Serial No. 68,770
Term of patent 3½ years



The ornamental design for a textile fabric as shown.

104,859
DESIGN FOR A TEXTILE FABRIC
Walter F. Kaplan, San Francisco, Calif.
Application April 14, 1937, Serial No. 68,771
Term of patent 3½ years



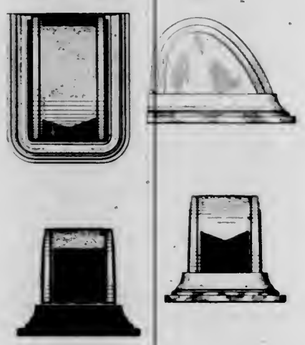
The ornamental design for a textile fabric as shown.

104,860
DESIGN FOR A TEXTILE FABRIC
Walter F. Kaplan, San Francisco, Calif.
Application April 14, 1937, Serial No. 68,772
Term of patent 3½ years



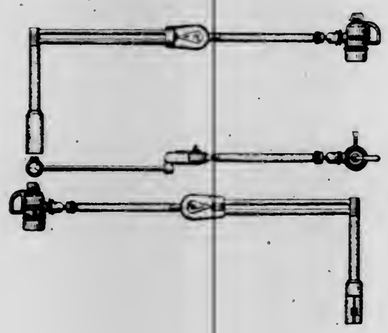
The ornamental design for a textile fabric as shown.

104,861
DESIGN FOR A DISPLAY BOX
Benjamin S. Katz, Cincinnati, Ohio, assignor to The Gruen Watch Company, Cincinnati, Ohio, a corporation of Ohio
Application November 19, 1936, Serial No. 66,027
Term of patent 7 years



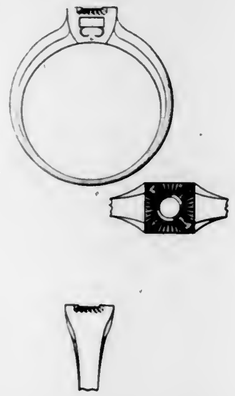
The ornamental design for a display box substantially as shown and described.

104,862
DESIGN FOR A BRACKET FOR AN ILLUMINATING DEVICE
John A. Korengold, Chicago, Ill.
Application April 12, 1937, Serial No. 68,689
Term of patent 7 years



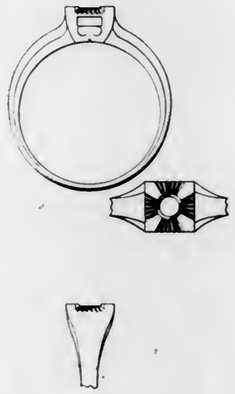
The ornamental design for a bracket for an illuminating device, substantially as shown.

104,863
DESIGN FOR A MOUNTING FOR RINGS
John E. Lemmon, St. Albans, N. Y., assignor to J. R. Wood & Sons, Inc., Brooklyn, N. Y., a corporation of New York
Application July 17, 1936, Serial No. 63,913
Term of patent 14 years



The ornamental design for a mounting for rings as shown and described.

104,864
DESIGN FOR A MOUNTING FOR RINGS
John E. Lemmon, St. Albans, N. Y., assignor to J. R. Wood & Sons, Inc., Brooklyn, N. Y., a corporation of New York
Application July 17, 1936, Serial No. 63,914
Term of patent 14 years



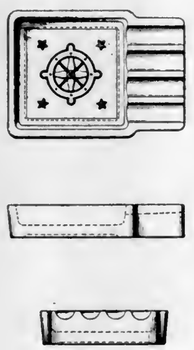
The ornamental design for a mounting for rings as shown and described.

104,865
DESIGN FOR A DRESS
Albert E. Levy, New York, N. Y.
Application April 21, 1937, Serial No. 68,906
Term of patent 3½ years



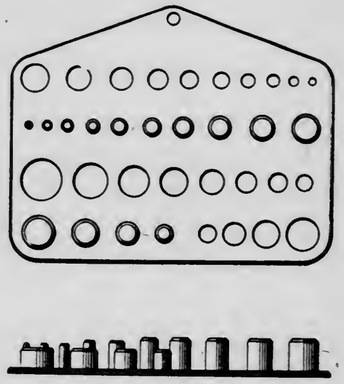
The ornamental design for a dress substantially as shown.

104,866
DESIGN FOR AN ASHTRAY
William E. Mackelfresh, Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 1, 1936, Serial No. 65,111
Term of patent 3½ years



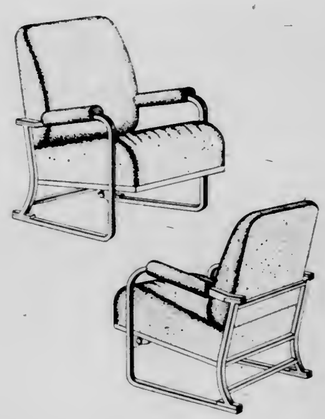
The ornamental design for an ashtray substantially as shown.

104,867
DESIGN FOR A GAUGE
Robert D. McIntosh, River Forest, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill.
Application May 28, 1936, Serial No. 62,892
Term of patent 7 years



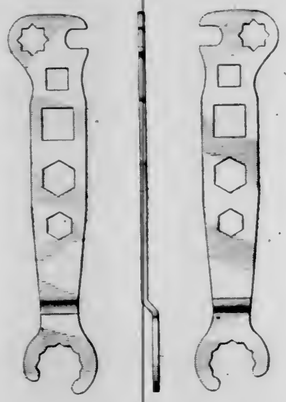
The ornamental design for a gauge as shown.

104,868
DESIGN FOR A LOUNGE CHAIR
William H. McKinley and Eric M. Johnson, Youngstown, Ohio, assignors to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application April 23, 1937, Serial No. 68,958
Term of patent 14 years



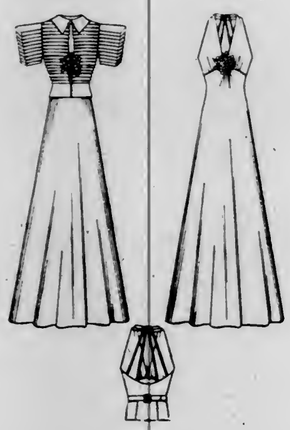
The ornamental design for a lounge chair as shown and described.

104,869
DESIGN FOR A WRENCH
Norris F. McNaught, Chicago, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois
Application December 7, 1936, Serial No. 66,364
Term of patent 7 years



The ornamental design for a wrench as shown.

104,870
DESIGN FOR A DRESS ENSEMBLE
Margaret Michelson, New York, N. Y.
Application April 29, 1937, Serial No. 69,031
Term of patent 3½ years



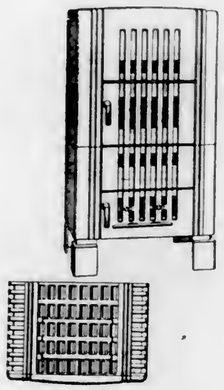
The ornamental design for a dress ensemble, substantially as shown, and described.

104,871
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application March 27, 1937, Serial No. 68,429
Term of patent 14 years



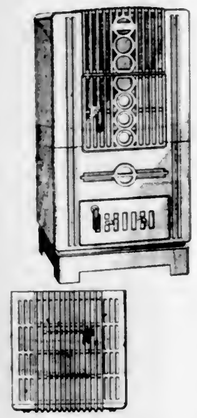
The ornamental design for a knitted fabric as shown.

104,872
DESIGN FOR A HEATER
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 29, 1936, Serial No. 65,558
Term of patent 7 years



The ornamental design for a heater, as shown.

104,873
DESIGN FOR A HEATER
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 29, 1936, Serial No. 65,559
Term of patent 7 years



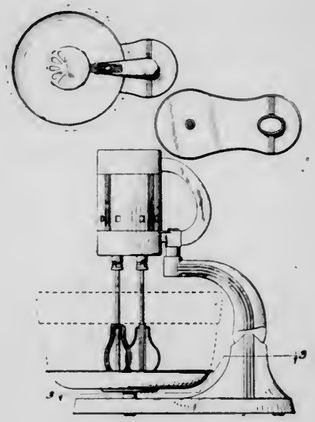
The ornamental design for a heater, as shown.

104,874
DESIGN FOR A SHOE
Louis David Morrell, New York, N. Y.
Application April 27, 1937, Serial No. 68,996
Term of patent 3½ years



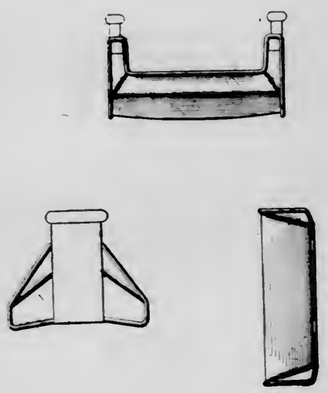
The ornamental design for a shoe substantially as shown and described.

104,875
DESIGN FOR A FOOD MIXER
Eugene Newnham and William H. Fischer, St. Louis, Mo., assignors to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application March 2, 1937, Serial No. 67,946
Term of patent 7 years



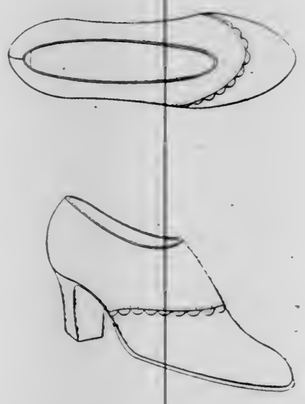
The ornamental design for a food mixer as shown.

104,876
DESIGN FOR A DRAIN BOARD FOR WRINGERS
Julian L. Perkins, West Springfield, Mass.
Application July 21, 1936, Serial No. 63,965
Term of patent 3½ years



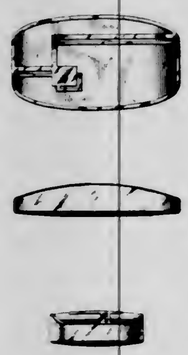
The ornamental design for a drain board for wringers, as shown and described.

104,877
DESIGN FOR A SHOE OR SIMILAR ARTICLE
André Perugia, Paris, France
Application April 12, 1937, Serial No. 68,697
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

104,878
DESIGN FOR A BRUSH BACK
Joseph Rabusen, New York, N. Y., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application April 23, 1937, Serial No. 68,942
Term of patent 14 years



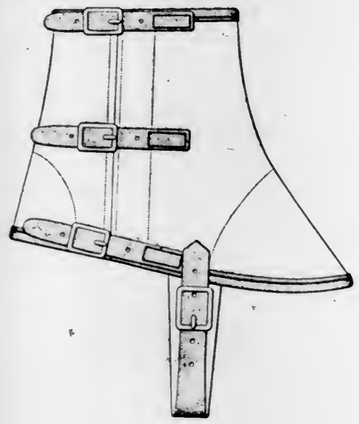
The ornamental design for a brush back, substantially as shown.

104,879
DESIGN FOR AN APRON
Louis Rogow, New York, N. Y., assignor of one-half to Maurice Mitrani and Vitalis Alcouloumre, both of New York, N. Y.
Application February 10, 1937, Serial No. 67,565
Term of patent 3½ years



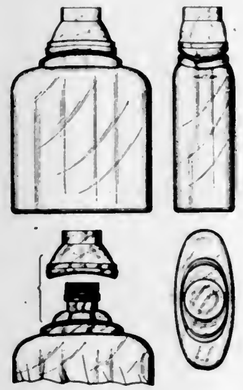
The ornamental design for an apron as shown and described.

104,880
DESIGN FOR A GAITER OR SIMILAR ARTICLE
Lewis L. Rosenfield, Mattapan, Mass.
Application April 16, 1937, Serial No. 68,824
Term of patent 7 years



The ornamental design for a gaiter or similar article, as shown.

104,881
DESIGN FOR A COMBINED BOTTLE AND EYECUP
Sylvain Rosengart, Paris, France, assignor to Euromerica Medical Products, Inc., New York, N. Y., a corporation of New York
Application February 5, 1937, Serial No. 67,459
Term of patent 14 years



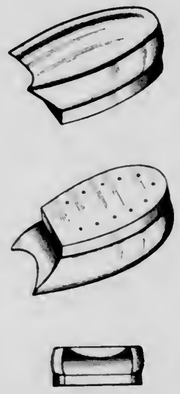
The ornamental design for a combined bottle and eyecup, as shown and described.

104,882
DESIGN FOR A NECKTIE
Ray Ross, St. Louis, Mo.
Application March 30, 1937, Serial No. 68,488
Term of patent 3½ years



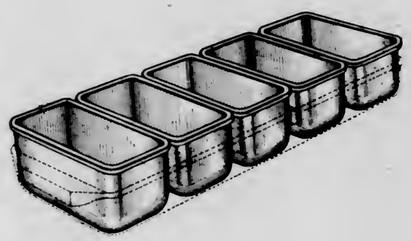
The ornamental design for a necktie, as shown.

104,883
DESIGN FOR A HEEL
Walter Schwartz, New York, N. Y., assignor to New York Progressive Wood Heel Corporation, Brooklyn, N. Y., a corporation of New York
Application April 14, 1937, Serial No. 68,753
Term of patent 14 years



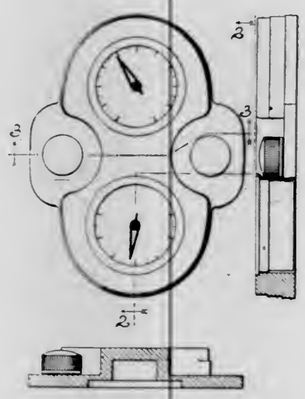
The ornamental design for a heel as shown.

104,884
DESIGN FOR A MULTIPLE COMPARTMENT REFRIGERATOR CONTAINER UNIT
Lewis H. Scurlock, Chicago, Ill.
Application October 1, 1936, Serial No. 65,099
Term of patent 14 years



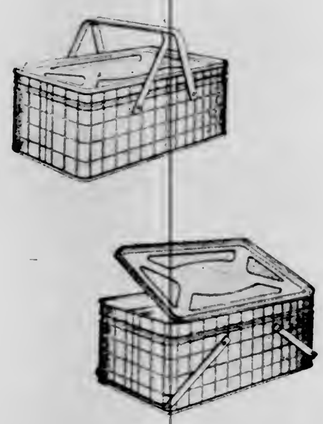
The ornamental design for a multiple compartment refrigerator container unit, as shown and described.

104,885
DESIGN FOR AN AIR CONDITIONING CONTROL PANEL
Frederick A. Selje, Grosse Pointe, Mich.
Application October 22, 1936, Serial No. 65,422
Term of patent 7 years



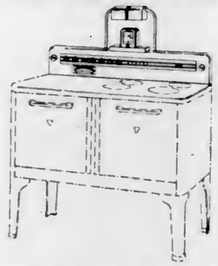
The ornamental design for an air conditioning control panel substantially as shown.

104,886
DESIGN FOR A LUNCH BASKET OR ANALOGOUS ARTICLE
Vernis K. Shuttleworth, Scarsdale, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 11, 1936, Serial No. 65,860
Term of patent 14 years



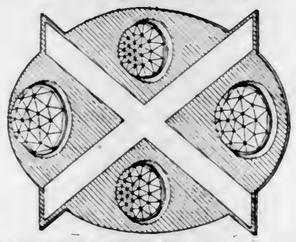
The ornamental design for a lunch basket or analogous article, as shown and described.

104,887
DESIGN FOR A RANGE OR SIMILAR ARTICLE
Clifford A. Sipe, Shelby, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application March 28, 1936, Serial No. 61,837
Term of patent 7 years



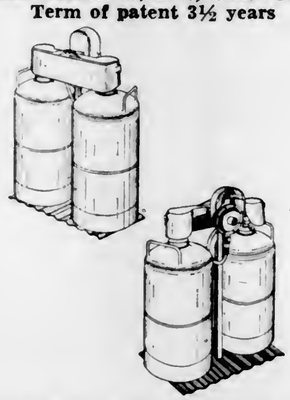
The ornamental design for a range or similar article substantially as shown and described.

104,888
DESIGN FOR AN AUTOMOTIVE SIGNAL LENS
Ray F. Stoddard, Dayton, Ohio
Application December 24, 1936, Serial No. 66,741
Term of patent 7 years



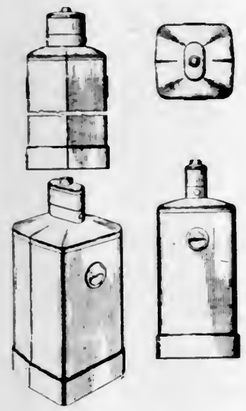
The ornamental design for an automotive signal lens, as shown and described.

104,889
DESIGN FOR A COMBINED GAS DISPENSER AND CANOPY
Irvin L. Tucker, Cedar Rapids, Iowa
Application March 22, 1937, Serial No. 68,342
Term of patent 3½ years



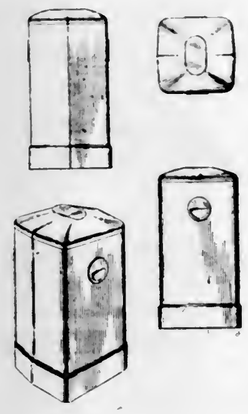
The ornamental design for a combined gas dispenser and canopy as shown and described.

104,890
DESIGN FOR A LUBRICANT DISPENSING APPARATUS OR SIMILAR ARTICLE
Harold Van Doren and John McLeod Little, Toledo, Ohio, assignors to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application April 5, 1937, Serial No. 68,568
Term of patent 7 years



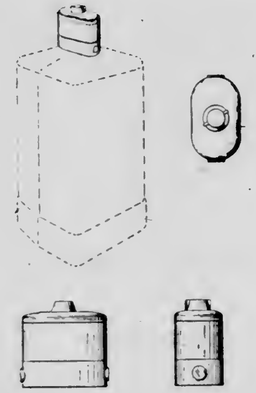
The ornamental design for a lubricant dispensing apparatus or similar article as shown.

104,891
DESIGN FOR A LUBRICANT APPARATUS CABINET OR SIMILAR ARTICLE
Harold Van Doren and John McLeod Little, Toledo, Ohio, assignors to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application April 5, 1937, Serial No. 68,569
Term of patent 7 years



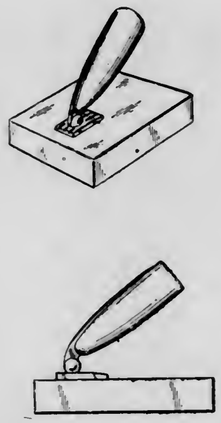
The ornamental design for a lubricant apparatus cabinet or similar article as shown.

104,892
DESIGN FOR A LUBRICANT DISPENSING APPARATUS OR SIMILAR ARTICLE
Harold Van Doren and John McLeod Little, Toledo, Ohio, assignors to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application April 5, 1937, Serial No. 68,570
Term of patent 7 years



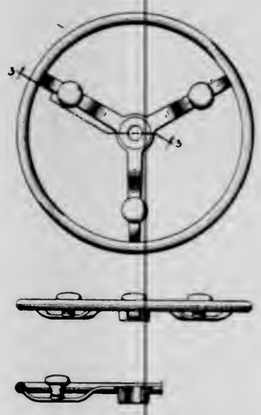
The ornamental design for a lubricant dispensing apparatus or similar article as shown and described.

104,893
DESIGN FOR A FOUNTAIN PEN HOLDER DESK UNIT
Louis Vavrik, Toledo, Ohio, assignor to The Conklin Pen Company, Toledo, Ohio, a corporation of Ohio
Application December 10, 1936, Serial No. 66,412
Term of patent 7 years



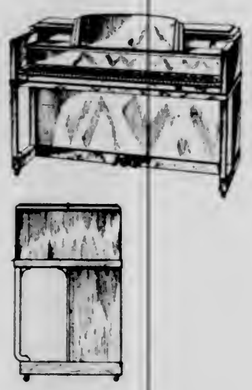
The ornamental design for a fountain pen holder desk unit as shown.

104,894
DESIGN FOR A STEERING WHEEL
John D. Villas, Minneapolis, Minn.
Application January 30, 1937, Serial No. 67,354
Term of patent 14 years



The ornamental design for a steering wheel as shown.

104,895
DESIGN FOR A PIANO CASE
Samuel E. Zack, Chicago, Ill., assignor to Gulbransen Company, Chicago, Ill., a corporation of Illinois
Application March 26, 1937, Serial No. 68,411
Term of patent 3½ years



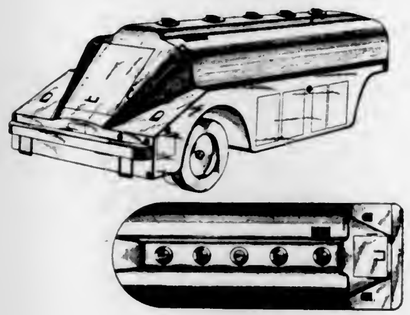
The ornamental design for a piano case, as shown.

104,896
DESIGN FOR A PIANO CASE
Samuel E. Zack, Chicago, Ill., assignor to Gulbransen Company, Chicago, Ill., a corporation of Illinois
Application March 26, 1937, Serial No. 68,413
Term of patent 3½ years



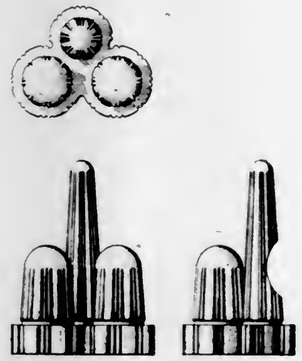
The ornamental design for a piano case, as shown.

104,897
DESIGN FOR A TRAILER TANK
Ralph A. Bradley, Minneapolis, Minn., assignor to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application October 1, 1936, Serial No. 65,104
Term of patent 14 years



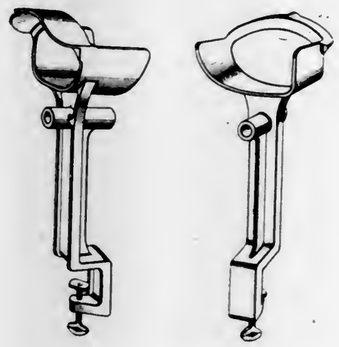
The ornamental design for a trailer tank substantially as shown.

104,898
DESIGN FOR A CONDIMENT SET
Martin Lucas, Far Rockaway, N. Y.
Application November 18, 1936, Serial No. 66,002
Term of patent 3½ years



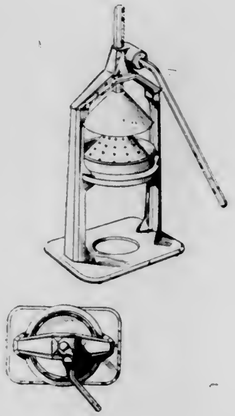
The ornamental design for a condiment set, as shown.

104,899
DESIGN FOR A COMBINED STANDARD AND HOPPER FOR A FOOD SHREDDER
Joseph M. Majewski, Jr., Kansas City, Mo., assignor to Foster L. Talge doing business as Rival Manufacturing Company, Kansas City, Mo.
Application March 7, 1936, Serial No. 61,516
Term of patent 7 years



The ornamental design for a combined standard and hopper for a food shredder, substantially as shown.

104,900
DESIGN FOR A FRUIT JUICER
Ben B. Manaster, Chicago, Ill.
Application April 27, 1937, Serial No. 69,001
Term of patent 14 years



The ornamental design for a fruit juicer, as shown.

104,901
DESIGN FOR TUFTED CANDLEWICK TEXTILE FABRIC
Morris Mitler, New York, N. Y.
Application May 13, 1937, Serial No. 69,340
Term of patent 3½ years



The ornamental design for tufted candlewick textile fabric, substantially as shown.

104,902
DESIGN FOR TUFTED CANDLEWICK TEXTILE FABRIC
Morris Mitler, New York, N. Y.
Application May 13, 1937, Serial No. 69,341
Term of patent 3½ years



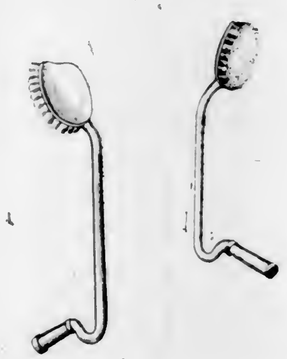
The ornamental design for tufted candlewick textile fabric, substantially as shown and described.

104,903
DESIGN FOR A DRESS
Gertrude Radeck, New York, N. Y.
Application May 3, 1937, Serial No. 69,126
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

104,904
DESIGN FOR A BATH BRUSH
Benjamin J. Ryan, Newark, N. J.
Application October 16, 1936, Serial No. 65,319
Term of patent 14 years



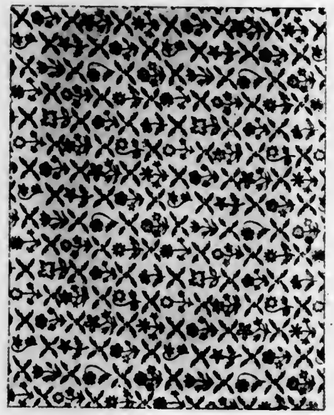
The ornamental design for a bath brush, substantially as shown.

104,905
DESIGN FOR A TEXTILE FABRIC
Jacques Heim, Paris, France
Application May 14, 1937, Serial No. 69,346
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

104,906
DESIGN FOR A TEXTILE FABRIC
Jacques Heim, Paris, France
Application May 14, 1937, Serial No. 69,348
Term of patent 3½ years



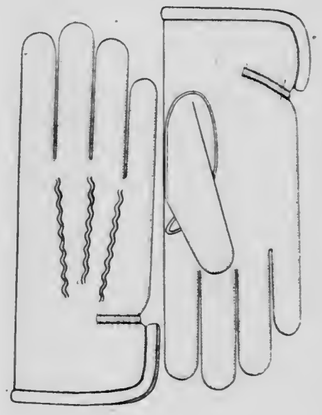
The ornamental design for a textile fabric substantially as shown.

104,907
DESIGN FOR A TEXTILE FABRIC
Jacques Heim, Paris, France
Application May 14, 1937, Serial No. 69,349
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

104,908
DESIGN FOR A GLOVE
Sylvan M. Straus, Gloversville, N. Y.
Application March 27, 1937, Serial No. 68,423
Term of patent 14 years



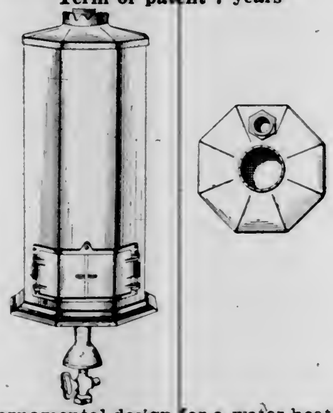
The ornamental design for a glove, substantially as shown, and described.

104,909
DESIGN FOR A TEXTILE FABRIC
John H. Huelat, New York, N. Y.
Application May 17, 1937, Serial No. 69,375
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

104,910
DESIGN FOR A WATER HEATING APPARATUS
Garry Sands, Cleveland Heights, Ohio, assignor to The Sands Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 19, 1937, Serial No. 68,868
Term of patent 7 years



The ornamental design for a water heating apparatus substantially as shown.

104,911
DESIGN FOR A TABLE SCARF
Aaron Traum, Bronx, N. Y., assignor to Dritz-Traum Co., Inc., New York, N. Y.
Application May 19, 1937, Serial No. 69,417
Term of patent 3½ years



The ornamental design for a table scarf substantially as shown.

Patents Nos. 2,083,536 to 2,084,302

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THE
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June 15, 1937

Trade-Marks	306—No.	346,906 to No.	347,211, inclusive.
T. M. Renewals	27		
Labels	30—No.	49,406 to No.	49,435, inclusive.
Prints	7—No.	16,222 to No.	16,228, inclusive.
Reissues	9—No.	20,406 to No.	20,414, inclusive.
Plant Patents	1—No.	251 to No.	00, inclusive.
Patents	767—No.	2,083,536 to No.	2,084,302, inclusive.
Designs	73—No.	104,912 to No.	104,984, inclusive.
Total	1,220		

Disclaimers

1,890,860.—*Allen L. Omohundro*, Detroit, Mich. THERAPEUTIC AGENT. Patent dated December 13, 1932. Disclaimer filed May 20, 1937, by the assignee, *Frederick Stearns & Company*.

Hereby enters this disclaimer to claims 1 and 2 in their entirety.

1,935,512.—*Hemsley B. Massey*, Greensburg, Pa. ELECTRIC SWITCH. Patent dated November 14, 1933. Disclaimer filed May 20, 1937, by the assignee, *Railway & Industrial Engineering Company*.

Hereby enters this disclaimer of claim 11 of said patent.

1,996,069.—*Herbert Hönel*, Vienna, Austria. PROCESS FOR THE PRODUCTION OF CONDENSATION PRODUCTS. Patent dated April 2, 1935. Disclaimer filed May 12, 1937, by the assignee, *Beck, Koller & Company, Inc.*

Hereby disclaims from claims 16 and 19 of said patent any condensation product derived from a purely aryl substituted phenol and formaldehyde, by the aid of an acid or weakly alkaline catalyst, and from claim 15 any process for producing a condensation product derived from a purely aryl substituted phenol and formaldehyde, by the aid of an acid or weakly alkaline catalyst.

2,003,776.—*William M. Stratford*, New York, N. Y. THE TREATMENT OF HYDROCARBON OILS. Patent dated June 4, 1935. Disclaimer filed May 20, 1937, by the assignee, *The Texas Company*.

Hereby enters this disclaimer to the subject matter of claim 1 thereof, except as said claim applies to a process in which the relatively heavy fresh charging stock which is contacted with the resulting vapors from the vapor phase cracking operation is a relatively heavy stock, with respects to stocks employed for conversion into gasoline by cracking, and contains unvaporizable constituents which are not vaporized under the conditions of said contacting with the resulting vapors from the vapor phase cracking operation, and in which the resultant unvaporized portion of the charging stock is withdrawn from the system.

2,035,569.—*Harry Ralph Ricardo*, London, England. CONTROL OF THE SUPPLY OF LIQUID FUEL TO THE AIR CHARGE OF INTERNAL COMBUSTION ENGINES. Patent dated March 31, 1936. Disclaimer filed May 18, 1937, by the patentee.

Hereby enters this disclaimer to claim 6.

2,049,329.—*Lewis R. Smith*, Pittsburgh, Pa. CONTROL MECHANISM. Patent dated July 28, 1936. Disclaimer filed May 19, 1937, by the assignee, *Westinghouse Electric & Manufacturing Company*.

Hereby enters this disclaimer to claims 1, 2, and 3.

Transfer of Subclass

ORDER No. 3399

U. S. PATENT OFFICE, *Washington, D. C., May 27, 1937*.

The following transfer, to take effect Monday, June 7, 1937, is hereby ordered:

Class 250, subclass 41.5, from Division 37 to Division 54.

CONWAY P. COE,
Commissioner.

Transfer of Class

ORDER No. 3400

U. S. PATENT OFFICE, *Washington, D. C., May 27, 1937*.

The following transfer, to take effect Monday, June 7, 1937, is hereby ordered:

Class 303 from Division 4 to Division 47.

CONWAY P. COE,
Commissioner.

Condition of Applications Under Examination at Close of Business May 29, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 38,665; Trade-Mark Division, 1,913. Oldest new case, Dec, 8, 1936; oldest amended, Nov. 21, 1936.)
(The dates given are 1937 except where † indicates 1936)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 27	Mar. 5	515
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Jan. 27	Jan. 27	774
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Mar. 15	Mar. 5	446
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Feb. 23	Feb. 26	560
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Mar. 11	Mar. 12	557
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Feb. 4	Feb. 6	746
5725	7. JARBOE, C. G., Optics; Photography	Mar. 2	Mar. 1	885
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Mar. 6	Mar. 1	625
4624	9. ADAMS, R. E., Pumps, Fluid and Fluid-Current Motors	Feb. 27	Feb. 9	491
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Mar. 4	Mar. 15	419
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 4	Mar. 2	444
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	Feb. 3	Feb. 6	735
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding; and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 24	Feb. 24	503
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Mar. 1	Mar. 2	599
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 23	Feb. 23	959
5612	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 10	Feb. 10	726
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 6	Mar. 6	484
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 1	Jan. 29	489
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 18	Feb. 4	764
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 25	Feb. 25	485
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Mar. 1	Mar. 1	612
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Mar. 6	Mar. 6	540
7624	23. BUTTNER, W. J. (Act.), Registers (part)	Jan. 4	†Dec. 22	203
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 15	Mar. 11	566
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 3	Mar. 9	472
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Mar. 6	Mar. 1	417
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Jan. 21	Jan. 21	732
4628	28. SOLYOM, H. J., Internal-Combustion Engines	Mar. 16	Mar. 10	329
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Mar. 15	Mar. 22	452
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Jan. 26	Jan. 22	852
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Mar. 8	Mar. 1	459
4066	32. LESH, KARL (Act.), Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Feb. 18	Feb. 20	497
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Mar. 11	Mar. 10	641
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Mar. 17	Mar. 20	257
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Mar. 1	Feb. 8	598
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Mar. 2	Mar. 2	339
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Jan. 13	Jan. 5	819
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Mar. 1	Mar. 1	578
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	Mar. 3	Mar. 1	462
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 30	Jan. 30	1319
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	Feb. 10	Feb. 5	375
5882	42. CUTTING, H. O., Electric Signaling	Feb. 15	Feb. 10	520
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Mar. 1	Mar. 1	549
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Feb. 12	Feb. 4	643
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Feb. 1	Jan. 30	730
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Mar. 8	Mar. 8	419
6082	47. BARKER, H., Clutches; Brakes	Mar. 15	†Dec. 31	458
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Mar. 1	Mar. 1	492
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 3	Mar. 3	529
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Mar. 2	Mar. 2	675
♦5628	51. BACKUS, C. D., Radiant Energy	Feb. 25	Feb. 25	784
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Mar. 6	Mar. 4	649
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Feb. 1	Jan. 29	939
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Apr. 8	Apr. 8	341
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Dec. 16	Jan. 15	942
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making	Feb. 1	Feb. 3	808
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	†Dec. 8	†Nov. 21	672
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 13	Mar. 10	351
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part): Substance Preparation.	Mar. 8	Mar. 9	549
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Jan. 21	Jan. 21	518
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Feb. 27	Feb. 19	420
3876	62. PUGH, E. C., Games; Geometrical Instruments	Mar. 1	Mar 8	453
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Feb. 23	Feb. 23	525
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Mar. 1	Mar 1	868
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Jan. 7	Jan. 4	630
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Trade-Marks	Apr. 23	May 13	1510
		Labels and Prints	Apr. 29	May 14	403
2606	Designs, H. H. KALUPY		May 3	May 17	476

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE CIRVES

No. 3,758. Decided January 25, 1937

[87 F.(2d) 208]

PATENTABILITY—PROCESS OF BLEACHING PULP.

Claim for a process of bleaching pulp for the manufacture of paper *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. Lester A. Stanley, Messrs. Munn, Anderson & Liddy, and *Mr. Harry E. Seidel* for Cirves.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.*:

Appellant has here appealed from a decision of the Board of Appeals of the United States Patent Office, which affirmed the decision of the Primary Examiner in denying patentability, in view of the prior art, of claim 10 of appellant's application for a patent relating to a process for bleaching pulp such as is used in the manufacture of paper. The Examiner rejected claims numbered 10 and 11, but, upon appeal to the Board of Appeals, the decision of the Examiner as to claim 11 was reversed.

Claim 10 reads as follows:

10. A process of bleaching pulp for the manufacture of paper which comprises thoroughly mixing fibrous pulp with hydrated lime and then injecting free liquid chlorine into the mixture of the pulp and lime while the mixture is being agitated, the quantity of chlorine injected being from two to twenty-five per cent of the weight of the pulp, the approximate proportions of chlorine and lime being 1 to 1.5 so that an alkaline condition will be maintained during the bleaching action.

The following references were listed by the Examiner and by the Board: Marsden, 1,515,691, November 18, 1924; Donk et al. 1,550,518, August 18, 1925; Broderick, 1,792,805, February 17, 1931; Davies, 1,953,076, April 3, 1934; Potter (British) 2097 of 1864; but the patent to Donk et al. and the patent to Davies were the only ones referred to by the tribunals below.

The application of appellant discloses an apparatus for carrying out applicant's process. One of the main parts of the apparatus is a beater which is shown in two embodiments. The beater thoroughly agitates and breaks up the fibers. In the pulp tank, and adjacent to the beater roll or propeller, while the pulp is under great agitation, an alkaline reagent, such as lime, is added to the mixture, and liquid chlorine is also injected into the pulp container at the point of greatest agitation. The claim under consideration specifies that chlorine consisting of from two to twenty-five per centum of the weight of the pulp should be added while the mixture "is being agitated."

The patent to Marsden relates to a process of purifying and bleaching textile fabrications and shows that gaseous chlorin in the presence of an alkaline solution is the material used.

The Broderick patent relates to a method of treating fibrous materials such as sawdust, and teaches that the same may be deodorized, sterilized, and bleached by the use of an alkaline solution and chlorine gas. The sawdust is passed under a sprayer containing the chemicals.

The British patent to Potter is concerned with bleaching fibrous substances in which a suitable acid in solution is used and, as a later step, chlorine is admitted and passed through the fibrous substances while the same are in a vacuum.

The Donk et al. patent relates to bleaching washed goods and a gaseous chlorine is introduced direct to the goods in the presence of alkali. The patentee also states that liquid chlorine has been proposed.

The Davies patent is the most pertinent reference. Liquid chlorine is used. The specification states:

* * * Said chlorine is being used without any lime directly in contact with the pulp and without injury to the pulp,—that is, I have discovered that said chlorine may be used without any lime without injury to the pulp. Also, I have discovered that it is not necessary to have agitation of the pulp as was heretofore the case when calcium or sodium hypochlorite was employed. Since it is not necessary to continuously agitate the pulp when using the chlorine in liquid form, as herein set forth, the process which I have discovered is more easily adapted to continuous operation and with material at a comparatively low density, about 3%. * * *

Davies' specification and drawing shows that chlorine is admitted to the feed line which carries the pulp mixture and that it comes into the mixing tank at a point remote from where the chlorine first comes in contact with the pulp. The patent suggests that "a most thorough inter-mixing results" by reason of the fact that there is high velocity in the flow of the pulp from the pump.

In affirming the decision of the Examiner as to claim 10, the Board said:

Appellant's main argument is concerned with the introduction of the liquid chlorine into the beater of the paper manufacturing machine where there is a thorough mixture and agitation of the fibrous pulp. Claim 11 is directed to this feature and we do not find the prior art suggesting such an operation. Donk is concerned with laundering clothes and Davies uses additional stages for full bleaching. Appellant claims to get good results in one operation if the chlorine is introduced into the beater. Claim 10, however, describes the injection of the liquid chlorine into the mixture of pulp and lime while the mixture is being agitated. It is our opinion this does not distinguish from Davies in which the liquid chlorine is introduced in the pulp while in motion.

Appellant in this court stresses the argument that the feature of agitation lends patentability to the claim over the prior art; that none of the references, including Davies, relied upon by the Board, shows the introduction of chlorine liquid, or chlorine in any other form, at a time when the mixture is being agitated; and urges that, by employing this important and necessary step, new and useful results are produced over any produced by the prior art.

We are in agreement with the contentions of the appellant. None of the prior art references discloses this feature of the claim or teaches its importance. Certainly the reference Davies does not teach it and, on the contrary emphasizes the

fact that agitation is not essential when chlorine in liquid form is used. It is true that Davies implies that agitation in connection with the use of calcium or sodium hypochlorite had theretofore been regarded as essential.

Appellant's device, shown in two embodiments, is so constructed as to be capable of violently agitating the pulp mixture at the point in the tank where the chlorine is introduced. The term "agitate" is defined in Webster's New International Dictionary (1932) as follows: "to move with a violent, irregular action."

Under the circumstances above enumerated, we are of the opinion that the rejection on the part of the Board of claim 10, upon the prior art shown in the record, was unwarranted. It is our view that there is at least sufficient doubt on the question to justify the allowance of the claim, and the decision of the Board of Appeals as to claim 10 is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE CANADA DRY GINGER ALE, INCORPORATED

No. 3,696. Decided February 1, 1937

[87 F.(2d) 736]

1. TRADE-MARKS—MAP OF CANADA CONTAINING WORDS "CANADA DRY"—DISCLAIMER OF WORDS BY PREDECESSOR.

Applicant for registration of mark consisting of an outline map of Canada and the words "Canada Dry" thereon, *Held* not entitled to registration of said words as a fanciful and arbitrary feature of its mark in view of disclaimer of the words by applicant's predecessor as being descriptive and nonregistrable in order to secure a prior registration.

2. SAME—SAME—SAME.

"In view of the fact that appellant is not entitled to register either the words 'Canada Dry,' standing alone, or the map on which the words appear, for reasons hereinbefore stated, it is clear, from the facts and circumstances of the case, that it is not entitled to the registration of the two combined."

APPEAL from the Patent Office. Affirmed.

Mr. Edward S. Rogers and *Mr. Thomas L. Mead, Jr.*, for Canada Dry Ginger Ale, Incorporated.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from a decision of the Commissioner of Patents affirming the decision of the Examiner of Trade-Marks denying appellant's application for the registration of a composite trade-mark, consisting of an outline tracing of a fairly accurate map of the Dominion of Canada, and the words "Canada Dry" appearing in large print across the map, for use on maltless beverages sold as soft drinks. The specimens filed with the application show the use of them on ginger ale.

The Examiner of Trade-Marks rejected appellant's application on the ground that it was geographical and descriptive, and on the further ground of estoppel.

With reference to the latter ground of rejection, the Examiner cited registration No. 155,002, issued to J. J. McLaughlin, Ltd., May 16, 1922, under the Trade-Mark Act of February 20, 1905, of a composite mark, consisting of an outline map of Canada, substantially the same as that here involved, with the words "Canada Dry," among others not of importance here, appearing thereon, for use on ginger ale.

That registration contains a disclaimer made by appellant's predecessor in business. It reads: "no claim being made to the printed words apart from the mark shown in the drawing."

The Examiner held, among other things, on the authority of the decision of this court in the case of *Warner-Patterson Co.* v. *Charles Y. Malcomb*, 17 C. C. P. A. (Patents) 984, 39 F.(2d) 274, 397 O. G. 170, that the applicant was estopped from claiming the words "Canada Dry" as an essential feature of its trade-mark.

The Commissioner of Patents affirmed the decision of the Examiner of Trade-Marks.

In his decision, the Commissioner referred to the registration of the involved mark under the act of March 19, 1920, and cited the decision in the case of Ex parte *Reo Motor Car Company*, 341 O. G. 4, 1925 C. D. 137, wherein, according to the Commissioner, it was held that

"by accepting registration under the 1920 Act, instead of appealing, the applicant must be bound by its election and a delay of several years in seeking to cancel a registration under the Act of 1920 and renew the application under the 1905 Act constituted such laches as amounted to estoppel."

It may be said at the outset that, in the case at bar, appellant did not disclaim the words "Canada Dry," apart from the mark as shown, but, on the contrary, asserted that, regardless of the disclaimer by its predecessor in registration No. 155,002, supra, it is entitled to register those words as a fanciful and arbitrary feature of its mark in connection with the aforesaid map. In support of its contention, counsel for appellant cite several decisions of the federal courts, holding that its trade-mark "Canada Dry" is a valid, common-law trade-mark.

We deem it unnecessary to discuss those decisions here, because, regardless of appellant's right to use its trade-mark, it is, nevertheless, estopped from claiming the right to have it registered under the act of February 20, 1905, by virtue of the fact that in registration No. 155,002, supra, its predecessor disclaimed the words "Canada Dry" apart from the mark as shown. See *Warner-Patterson Co.* v. *Charles Y. Malcomb*, supra, wherein this court, after referring to the disclaimer filed by the appellee, among other things, said:

• • • he [appellee] accepted the ruling of the Examiner and filed a disclaimer in the following words: "No claim is made to the words 'Liquid Solder' apart from the mark shown." This was notice to the public, for his registration containing such disclaimer, thereafter allowed, was constructive notice that he made no claim to the use of the words "Liquid Solder," standing alone, as a trade-mark, and that the public was free to use it in any way that would not be deceptively similar to the essential features of his mark shown in his registration. In so far as he possessed any right to the words "Liquid Solder," standing alone, he by his disclaimer abandoned it as a condition of the registration of what the Examiner was willing to allow as essential features of the mark set out in his application. We think this clearly created an estoppel which precludes him from now asserting a right of registration of the mark "Liquid Solder," based upon use prior to the time of appellant's registration.

See also *In re Continental Oil Co.*, 22 C. C. P. A. (Patents) 993, 75 F.(2d) 217, 457 O. G. 481.

It is true that, in the case at bar, appellant is not claiming the words "Canada Dry," standing alone, but is claiming them as a fanciful and arbitrary feature of its mark in connection with a map of Canada. The map in question, as hereinbefore noted, is substantially the same as that claimed in registration No. 155,002, supra.

[1] We are of opinion that appellant is not entitled to the registration of words as a fanciful and arbitrary feature of its trade-mark in the application here involved, which its predecessor disclaimed as being descriptive and non-registerable in order to secure its registration No. 155,002, supra. *Warner-Patterson Co.* v. *Charles Y. Malcomb*, supra; *In re Continental Oil Co.*, supra; *In re Canada Dry Ginger Ale, Incorporated*, Suit No. 3697, 24 C. C. P. A. (Patents) —, 87 F.(2d) 737, decided concurrently herewith.

In a former case—*In re Canada Dry Ginger Ale, Incorporated*, Suit No. 3698, 24 C. C. P. A. (Patents) —, 86 F.(2d) 830, decided December 21, 1936, this court held that appellant was not entitled to register "a map of Canada lined in colors," standing alone, which would convey the same idea as the word "'Canada,' [the place where the goods were produced] without the map," as a trade-mark, under the act of February 20, 1905, for use on maltless beverages sold as soft drinks, including ginger ale.

[2] In view of the fact that appellant is not entitled to register either the words "Canada Dry," standing alone, or the map on which the words appear, for reasons hereinbefore stated, it is clear, from the facts and circumstances of the case, that it is not entitled to the registration of the two combined.

Holding these views, we deem it unnecessary to discuss other issues considered by the tribunals of the Patent Office and presented by counsel for the parties.

For the reasons stated, the decision of the Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CANADA DRY GINGER ALE, INCORPORATED

No. 3,697. Decided February 1, 1937

[87 F.(2d) 737]

TRADE-MARK—"CANADA DRY"—DISCLAIMER BY PREDECESSOR.

Applicant for registration of mark consisting of the words "Canada Dry" *Held* estopped from securing registration in view of disclaimer of the words by applicant's predecessor, in prior registration.

APPEAL from the Patent Office. Affirmed.

Mr. Edward S. Rogers and *Mr. Thomas L. Mead, Jr.* for Canada Dry Ginger Ale, Incorporated.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.:*

This is one of three associated cases in which appeals have been taken from decisions of the Commissioner of Patents affirming the decision of the Examiner denying registration to appellant of certain marks for use as trade-marks upon maltless beverages sold as soft drinks, the particular product most often referred to being ginger ale. The two other cases are *In re Canada Dry Ginger Ale, Incorporated*, Suit No. 3698, 24 C. C. P. A. (Patents) —, 86 F.(2d) 830, decided December 21, 1936, and *In re Canada Dry Ginger Ale, Incorporated*, Suit No. 3696, 24 C. C. P. A. (Patents) —, 87 F.(2d) 736, decided concurrently herewith.

Certain of the reasoning in the first of the above named cases is applicable here and, in the last of the cases the issue of this case is in effect determined. It is, therefore, unnecessary to enter upon any elaborate discussion here. The mark involved in this case comprises the words "Canada Dry" without their being associated with any map or other symbol or words. As recited in the case last named, supra, these words were disclaimed by appellant's predecessor in registration No. 155,002. Upon the authority of the last named case, supra, and the cases therein cited, it is here held that appellant, by reason of the disclaimer, is now estopped from securing registration of "Canada Dry", and the decision of the Commissioner of Patents, so adjudging, is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CANADA DRY GINGER ALE, INCORPORATED

No. 3,698. Decided December 21, 1936

[86 F.(2d) 830]

1. TRADE-MARKS—REGISTRABILITY—MAP OF CANADA.

Trade-mark consisting of a map of Canada *Held* geographical and therefore not registrable under the act of February 20, 1905.

2. SAME—SAME—NOT CONFERRED BY SECONDARY MEANING OF GEOGRAPHICAL MARK.

A mark otherwise not registrable under act of February 20, 1905, because geographical, *Held* not made registrable by reason of its having acquired by long exclusive use a secondary meaning. (In re Plymouth Motor Corporation, 18 C. C. P. A. (Patents) 838, 46 F.(2d) 211, overruled.)

APPEAL from the Patent Office. Affirmed.

HATFIELD, *J.*, concurring in the conclusion.

Mr. Edward S. Rogers and *Mr. Thomas L. Mead, Jr.*, for Canada Dry Ginger Ale, Incorporated.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.:*

Appellant filed in the United States Patent Office an application for the registration, under the Trade-Mark Act of February 20, 1905, of a map of Canada lined in colors, used by it as a trade-mark for maltless beverages sold as soft drinks. The application alleges that the mark has been continuously used and applied to said goods in the business of appellant and its predecessors since 1907. Five specimens were filed showing the mark as actually used by appellant upon the goods; these specimens, however, show the words "Canada Dry" printed

across the face of the map, together with certain other words not here important.

The registration was refused by the Examiner of Trade-Marks upon the ground that appellant, in 1924, registered the mark here involved under the act of March 19, 1920, and is therefore estopped from claiming registration of the same mark under the act of February 20, 1905. So far as appears from the record, the registration under the act of 1920 has never been cancelled. Upon appeal, the Commissioner of Patents affirmed the decision of the Examiner of Trade-Marks; however, he made no express finding upon the question of estoppel, but held that the mark was not a valid trade-mark at common law, and that such mark was intended to fall within the statutory prohibition of section 5 of the 1905 act. From such decision appellant took the appeal before us.

While appellant asserts that the mark here involved is a valid common law trade-mark, we are clear that upon its face it is not such. To the eye of the observer it conveys the same idea that the word "Canada," without the map, would convey, and either the map of Canada or the word "Canada," applied to goods, would be understood by purchasers as indicating that the goods were produced in Canada. In the case of *Canal Company* v. *Clark*, 80 U. S. 311, the court said:

> And it is obvious that the same reasons which forbid the exclusive appropriation of generic names or of those merely descriptive of the article manufactured and which can be employed with truth by other manufacturers, apply with equal force to the appropriation of geographical names, designating districts of country. Their nature is such that they cannot point to the origin (personal origin) or ownership of the articles of trade to which they may be applied. They point only at the place of production, not to the producer, and could they be appropriated exclusively, the appropriation would result in mischievous monopolies. Could such phrases, as "Pennsylvania wheat," "Kentucky hemp," "Virginia tobacco," or "Sea Island cotton," be protected as trade-marks; could any one prevent all others from using them, or from selling articles produced in the districts they describe under those appellations, it would greatly embarrass trade, and secure exclusive rights to individuals in that which is the common right of many. • • •

While in the case last cited a geographical word, viz, "Lackawanna," was involved, it is well established that the use of a word has the same effect as the use of a picture if the word meaning is the same as the meaning of the picture. *Heilbronn Co.* v. *Hammermill Paper Co.*, 18 C. C. P. A. (Patents) 1307, 48 F.(2d) 963, 411 O. G. 815. It necessarily follows that the converse must be true—that the use of a picture has the same effect as the use of a word if the picture means the same as the word.

The provisions of the Trade-Mark Act of February 20, 1905, here pertinent are as follows:

> Sec. 5. That no mark by which the goods of the owner of the mark may be distinguished from other goods of the same class shall be refused registration as a trade-mark on account of the nature of such mark unless such mark—
>
> • • • • • • •
>
> • • • *Provided*, That no mark which consists merely in the name of an individual, firm, corporation, or association not written, printed, impressed or woven in some particular or distinctive manner, or in association with a portrait of the individual, or merely in words or devices which are descriptive of the goods with which they are used, or of the character or quality of such goods, or merely a geographical name or term, shall be registered under the terms of this act: • • •

The law is well settled that a mark which is not a valid trade-mark at common law is not registrable under the act of February 20, 1905. *In re General Petroleum Corporation of California*, 18 C. C. P. A. (Patents) 1444, 49 F.(2d) 966, 412 O. G. 831, and cases therein cited.

[1] From the foregoing we are clear that the mark here involved is not registrable under the first part of section 5 of the act of February 20, 1905, and is in fact expressly prohibited under the above quoted proviso of section 5 unless it should be held that, if a mark otherwise not registrable has acquired by long exclusive use a secondary meaning, it becomes by virtue thereof a valid trade-mark.

Upon this point appellant relies upon our decisions in the cases of *In re Plymouth Motor Corporation*, 18 C. C. P. A. (Patents) 838, 46 F.(2d) 211, 404 O. G. 269, and *In re California Perfume Co., Inc.*, 19 C. C. P. A. (Patents) 1028, 56 F.(2d) 885, 420 O. G. 289, while the Commissioner of Patents and the Solicitor for the Patent Office rely upon our later decision in the case of *Barber-Coleman Co.* v. *Overhead Door Corporation*, 20 C. C. P. A. (Patents) 1118, 65 F.(2d) 147, 436 O. G. 305.

In the case last cited we relied very largely upon the case of *Elgin National Watch Co.* v. *Illinois Watch Case Co.*, 179 U. S. 665, 94 O. G. 755 (a case not cited in the decision in *In re Plymouth Motor Corporation*, supra) and, in our discussion of the registrability of a descriptive term having a secondary meaning, commented upon said *Elgin* case as follows:

> The decision of the Supreme Court of the United States in the case of *Elgin National Watch Co.* v. *Illinois Watch Case Co.*, 179 U. S. 665, is unusually pertinent to the facts at bar and the contentions of appellee. The court there held that words which were merely descriptive of the place where the articles were manufactured could not be monopolized as a trade-mark and that the word "Elgin" was such a term, and that if it had acquired a secondary meaning in connection with its use, protection from imposition and fraud would be afforded by the courts, but that, notwithstanding this fact, its descriptive or geographic character rendered it unregistrable as a trade-mark. Applying the Elgin case to the contentions of appellee, if its word has acquired a secondary meaning, the remedy for unfair competition or perfidious dealing by those who seek to profit on appellee's good will may be afforded in jurisdictions other than this; but since the mark is descriptive of the goods, it should not have been registered. • • •

We also cited and quoted from the decision in the case of *Hercules Powder Co.* v. *Newton*, 266 Fed. 169, as follows:

> • • • It is also reasonably inferable from this record that plaintiff feels unjustly treated by refusal to register a word which it has exclusively and successively used as a trade-mark for more than 10 years, but not for that decade which alone secures protection under the 10-year clause of the present statute. We appreciate the hardship and are quite aware of the international trade-mark difficulties which beset the path of the American trader in foreign parts who has not secured registration in his own country. But the remedy is with the Congress, and neither the Commissioner of Patents nor any court can change the accepted law on which the trade-mark act of 1905 was built.
>
> It is not possible under the present act for a citizen to choose as his trade-mark something invalid by general law, use it without opposition long enough to make a showing of trade repute and commercial success, derive from that success "secondary meaning" for his mark, and then apply for registration. There is much to be said in favor of a registration law which would give legal and governmental sanction to any mark which it could be shown the public had accepted. Such a system would enable this plaintiff to prevail but Congress must first create it.

While the case last cited was also cited in the *Plymouth* case, supra, it was not cited to the point of secondary meaning of a descriptive term.

[2] Inasmuch as the Supreme Court of the United States has directly held that a geographical term which was descriptive of the place where the articles were manufactured was not registrable even though it had acquired a secondary meaning, we must follow our decision in the *Overhead Door* case, supra, which is in harmony with the views of the Supreme Court, and insofar as the opinion in the case of *In re Plymouth Motor Corporation*, supra, expresses a contrary view, it must be considered as overruled.

But one other point remains to be considered. Appellant contends that its map of Canada is colored in a distinctive design in an arbitrary color scheme, and that it is therefore registrable even though, without such colors, it would not be registrable.

In response to this contention we would observe that appellant's mark is still merely a map of Canada, with various portions of the map colored in different colors. The color does not in anywise change the design, which is a map of Canada.

It is established that a mark is not registrable if color alone is its distinguishing characteristic. *Leschen & Sons Rope Co.* v. *The American Steel & Wire Co.*, 19 C. C. P. A. (Patents) 851, 55 F.(2d) 455, 418 O. G. 3, and cases therein cited.

Like the Commissioner, we find it unnecessary to consider the ground upon which the Examiner of Trade-Marks rejected appellant's application, viz, estoppel growing out of the registration of the mark here involved under the act of March 19, 1920.

We are clear that appellant's mark of a map of Canada is not registrable as a trade-mark, and the decision of the Commissioner of Patents is affirmed.

Affirmed.

HATFIELD, *J.*, concurs in the conclusion.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,125,476, G. Claude, System of illuminating by luminescent tubes, D. C. Oreg. (Portland), Doc. E 9204, *Claude Neon Electrical Products, Inc., et al.* v. *Oregon Neon Signs, Inc., et al.* Dismissed Apr. 12, 1937. Doc. E 9209, *Claude Neon Electrical Products, Inc., et al.* v. *Nelson Bros., Inc., et al.* Decree as above.

1,251,030, H. B. Hoffman, Combination garment, D. C., S. D. N. Y., Doc. E 79/210, *H. B. Hoffman* v. *Arnold Constable & Co.* Consent order of discontinuance (notice Mar. 25, 1937). Doc. E 77/43, *H. B. Hoffman* v. *J. Stephen et al* (*Josa Silk Underwear Co.*). Decree as above (notice Apr. 23, 1937). Doc. E 77/124, *H. B. Hoffman* v. *S. Berger et al.* (*Crystal Undergarment Co.*). Doc. E 77/172, *H. B. Hoffman* v. *Superior Petticoat Co., Inc.* Doc. E 78/17, *H. B. Hoffman* v. *Fischer & Co., Inc.* Doc. E 78/18, *H. B. Hoffman* v. *Patricia Petticoat Co., Inc.* Doc. E 78/19, *H. B. Hoffman* v. *Holland-Hessol Co., Inc.* Dismissed (notice Apr. 2, 1937) in each of above cases. Doc. E 79/211, *H. B. Hoffman* v. *Jos. Adelson & Sons, Inc.* Discontinued with prejudice and on the merits (notice Apr. 19, 1937).

1,262,860, S. B. Smith, Incubator, D. C., N. D. Ill., W. Div., Doc. 500, *S. B. Smith* v. *E. H. Daubs.* Dismissed without prejudice Apr. 1, 1935. Doc. 501, *S. B. Smith* v. *J. N. Stroup.* Doc. 502, *S. B. Smith* v. *D. W. Good.* Doc. 503, *S. B. Smith* v. *W. F. Rhodes.* Doc. 506, *S. B. Smith* v. *E. Covell.* Decree pro confesso holding patent valid and infringed Feb. 28, 1936, in each of above cases. Doc. 504, *S. B. Smith* v. *R. J. Ullrich.* Dismissed without prejudice Apr. 11, 1935. Same, filed Mar. 25, 1937, D. C., N. D. Ill., W. Div., Doc. 505, *S. B. Smith* v. *H. B. Bressler.*

1,269,479, A. Martin, Loose leaf binder, D. C., N. D. Ill., E. Div., Doc. 9144, *A. Martin et al.* v. *McMillan Book Co. et al.* Dismissed for want of prosecution Oct. 20, 1936.

1,277,750, J. A. Pearce, Flotation process and apparatus, appeal filed Mar. 22, 1937, C. C. A., 10th Cir. Doc. 1550, *J. P. Ruth, Jr.* v. *Climax Molybdenum Co.* Doc. 1551, *J. P. Ruth, Jr.* v. *Shenandoah-Dives Mining Co.* Doc. 1552, *J. P. Ruth, Jr.* v. *The London Gold Mines Co. et al.*

1,307,734, A. V. Gullborg, Lubricating means, D. C., N. D. Ill., E. Div., Doc. 14999, *Stewart-Warner Corp.* v. *Wayne Co.* Consent decree dismissing bill without prejudice Mar. 2, 1937.

1,315,731, A. B. Low, Vulcanizer, D. C., W. D. Mo. (Kansas City), Doc. 2797, *The Shaler Co.* v. *W. P. Peterson* (*Northeast Tool & Die Works*). Dismissed without prejudice Apr. 24, 1937.

1,320,662, W. H. Tomlinson, Doughnut machine, D. C., N. D. Ill., E. Div., Doc. 14112, *Doughnut Corp. of America* v. *Bear-Stewart Co.* Dismissed without prejudice Feb. 23, 1937.

1,363,200, P. L. Wells, Automatic feed and delivery for platen presses, C. C. A., 2d Cir., Doc. —, *Brandtjen & Kluge, Inc.*, v. *J. Freeman.* Decree affirmed (notice Apr. 5, 1937).

1,381,641, A. S. Jay, Music roll for piano players and method of producing same, D. C., S. D. Calif. (Los Angeles), Doc. Y–116–H, *A. S. Jay* v. *Metro-Goldwyn-Mayer Corp. et al.* Dismissed with prejudice Mar. 29, 1937.

1,396,906, Winkler & Dunnebier, Envelope roller folding machine in combination with a closing flap gumming machine, C. C. A., 4th Cir., Doc. 4103, *Oles Envelope Corp.* v. *Baltimore Paper Co. et al.* Affirmed Apr. 7, 1937.

1,430,072, F. Gierse, Well drilling bit, D. C., S. D. Calif (Los Angeles), Doc. E O–103–Y, *F. D. Allen* v. *P. L. & M. Co.* Dismissed for want of prosecution Apr. 5, 1937.

1,431,621, J. C. Beneker, Method of manufacturing steel, filed Apr. 13, 1937, D. C., W. D. Pa., Doc. E 32/89, *C. Z. Schove* v. *Carnegie-Illinois Steel Corp.*

1,435,199, L. V. Blair, Heat insulated receptacle, D. C., N. D. Ill., E. Div., Doc. 12573, *The Mantic Lamp Co. of America* v. *Aluminum Products Co.* Dismissed for want of equity July 30, 1934. Mandate affirming decree Dec. 22, 1936.

1,443,941, Asplin & Wisander, Method of making baskets, filed Apr. 17, 1937, D. C., N. D. Ohio, E Div., Doc. 5590, *W. E. Asplin* v. *R. L. Scanlan.*

1,465,921, Herz & Conti, Packaging machine, D. C., S. D. N. Y., Doc. E 62/105, *A. Herz* v. *Sanita Wrapped Products Corp. et al.* Dismissed without prejudice (notice Apr. 6, 1937).

1,467,755, A. Cimorosi, Toy torpedo, appeal filed Apr. 5, 1937, C. C. A., 4th Cir., Doc. 4180, *Commercial Novelty Co. Inc. et al.* v. *Victory Fireworks & Specialty Co. et al.*

1,467,930, J. W. Fretwell, Locked razor, D. C., S. D. N. Y., Doc. E 77/218, *J. W. Fretwell* v. *Retail Chemists Corp.* (*Whelan Drug Co., Inc.*). Dismissed without prejudice (notice Apr. 6, 1937).

1,493,687, W. Lowell, Golfing tee, filed Apr. 3, 1937, D. C., E. D. Pa., Doc. 9707, *The Reddy Lee* v. *Passon, Inc.*

1,513,172, B. E. Hill, Apparatus and process for removing non-condensible gases, appeal filed Apr. 23, 1937, C. C. A., 2d Cir., Doc. —, *J. Waddell et al.* (*West Side Machine Works*) v. *Eastman Kodak Co.*

1,521,888, H. Kanoffsky, Non-breakable button, filed Mar. 31, 1937, D. C., S. D. N. Y., Doc. E 85/45, *Non-Breakable Button Corp.* v. *Flexible Tuft Corp.*

1,536,844, Harrison & Waterbury, Lighting unit, D. C., S. D. N. Y., Doc. E 84/243, *The Miller Co.* v. *The E. F. Guth Co.* Consent decree for plaintiff (notice Apr. 12, 1937).

1,538,892, G. S. Gaylord, Egg carton, D. C., N. D. Ill., E. Div., Doc. 14806, *Marathon Paper Mills Co.* v. *Self-Locking Carton Co.* Claims 1 and 2 held invalid, bill dismissed Dec. 2, 1936.

1,551,099, Goldsmith & Tubbs, Inflatable article, filed Apr. 2, 1937, D. C., S. D. Ohio, W. Div., Doc. E 1013, *The P. Goldsmith Sons Co.* v. *S. F. Hutchinson et al.* (*Hutchinson Bros. Leather Co.*).

1,552,326, P. J. Lunati, Lifting device for motor vehicles, D. C., N. D. Ohio, E. Div., Doc. E 5Q03, *P. J. Lunati et al.* v. *N. Barrett* (*Cleveland Air Compressor Co.*). Claims 3 and 4 held not infringed, bill dismissed Apr. 23, 1937.

1,552,857, J. E. Kemler, Locking device for friction top cans, filed Apr. 24, 1937, D. C., S. D. N. Y., Doc. E 84/78, *J. E. Kemler* v. *Continental Can Co.*

1,552,968, W. F. Trotter, Underfed stoker; 1,688,608, R. L. Beers, Stoker, C. C. A., 6th Cir., Doc. 7020, *Detroit Stoker Co.* v. *The Brownell Co.* Patents held invalid Apr. 7, 1937.

1,557,381, G. Sundback, Fastener, D. C., S. D. Calif. (Los Angeles), Doc. 883–Y, *Hookless Fastener Co.* v. *H. Greenberg et al.* (*American Merchandise Co.*). Patent held valid and infringed as to claims 1, 3, 4, 5, 6, and 10, but not as to claim 8, injunction (notice Mar. 22, 1937). Doc. E 885–S, *Hookless Fastener Co.* v. *National Silver Co. et al.* Decree as above.

1,566,068, L. R. Brundage, Apparatus for compressing and assembling coil springs, D. C., N. D. Ill., E. Div., Doc. 9364, *L. R. Brundage et al.* v. *Johnson Spring Cushion Co.* Consent decree holding patent valid and infringed, injunction Mar. 5, 1937.

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1,575,870, A. E. Sehlback, Drinking glass, D. C., N. D. Ill., E. Div., Doc. 14635, *Albert Pick Co., Inc.*, v. *Walgreen Co.* Consent decree dismissing bill Jan. 11, 1937.

1,577,732, C. Lamb, Piston for slush pump, D. C., S. D. Calif. (Los Angeles), Doc. E X–116–S, *C. Lamb et al.* v. *F. Dalton et al.* Dismissed without prejudice Apr. 13, 1937.

1,603,324, W. J. David, Apron, filed Apr. 8, 1937, D. C. Nebr. (Lincoln), Doc. 555, *F. W. Peetz* v. *Master White Goods Co.*

1,612,969, Felt & Turck, Calculating machine, D. C. Nev. (Carson City), Doc. H–154, *Friden Calculating Machine Co., Inc.*, v. *Marchant Calculating Machine Co. et al.* Dismissed without prejudice Mar. 26, 1937. Same, filed Mar. 23, 1937, D. C., N. D. Calif. (San Francisco), Doc. E 4158–L, *Friden Calculating Machine Co., Inc., et al.* v. *Marchant Calculating Machine Co.*

1,615,824, F. C. Bell, Rotary compressor, filed Apr. 15, 1937, D. C., S. D. N. Y., Doc. E 85/64, *General Motors Corp* v. *Warren-Norge Co., Inc.*

1,641,871, S. Solomon, Brief case, D. C., S. D. N. Y., Doc. E 84/252, *S. Solomon* v. *Standard Brief Case Co., Inc.* Dismissed (notice Mar. 25, 1937).

1,645,370, W. E. Callison, Amusement device, D. C., N. D. Okla. (Tulsa), Doc. E 1182, *W. E. Callison* v. *J. Boyle* (*Boyle Amusement Co.*). Decree for defendants on non-infringement Apr. 15, 1937.

1,651,709, L. J. Jones, Solder, filed Mar. 31, 1937, D. C., W. D. Pa., Doc. E 3283, *Westinghouse Electric & Mfg. Co.* v. *A. R. MacGregor* (*Alloy Specialties Co., et al.*).

1,661,572, C. K. MacDonald, Art of folding, D. C., S. D. Ohio, W. Div., Doc. E 743, *United Shoe Machinery Corp.* v. *The O'Donnell Rubber Products Co. et al.* Former decree set aside. Claim 11 held valid and infringed; bill dismissed without prejudice as to claims 1, 2, 3, 6, 7, 8, 9, 10, 12, and 13 Apr. 12, 1937.

1,669,973, J. Credo, Method and apparatus for screening wet material, D. C., E. D. Pa., Doc. 9247, *Louisville Drying Machinery Co.* v. *Continental Distilling Corp.* Consent decree dismissing bill Mar. 19, 1937.

1,684,671, H. P. Hayden, Method of preventing evaporation from cement concrete during curing, C. C. A., 3d Cir., Doc. 6171, *The Barber Asphalt Co.* v. *Stulz-Sickles Co. et al.* Decree reversed; patent held valid and infringed Apr. 19, 1937.

1,685,588, C. H. Hemming, Table cutlery, filed Apr. 15, 1937, D. C. Conn. (New Haven), Doc. E 2607, *C. H. Hemming* v. *S. S. Kresge Co.*

1,687,013, O. A. Frederickson, Armored electric cable, C. C. A., 2d Cir., Doc. 15065, *National Electric Products Corp.* v. *I. Grossman.* Decree affirmed (notice Apr. 19, 1937).

1,688,608. (See 1,552,968.)

1,706,608, F. W. Holmes, Fan, D. C., N. D. Ill., E. Div., Doc. 15104, *F. W. Holmes* v. *Air Master Corp. et al.* Dismissed with prejudice Mar. 12, 1937.

Adjudicated Patents

(D. C. N. Y.) Hoffman patent, No. 1,251,030, for combination garment, claims 1 and 2, *Held* invalid. *Hoffman* v. *Berger*, 18 F. Supp. 632.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,000,920, W. J. Campbell, Smoking stand, decided May 26, 1937, claims 10 and 11.

Pat. 2,018,678, W. E. Lawson, Isomerization of rubber, decided May 26, 1937, claims 3, 4, and 5.

Pat. 2,027,569, S. N. Wight, Interlocking system for railroads, decided May 22, 1937, claims 20, 23, and 25.

Pat. 2,049,377, E. A. Hobart, Electric welder control, decided May 24, 1937, claims 1 and 4.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., May 18, 1937.*

Altman Bros. & Freedman, their assigns or legal representatives, take notice.

An interference having been declared by this Office between the application of E. L. Barr, Sanger, California, for registration of a trade-mark and trade-mark registered February 17, 1925, No. 195,054, to Altman Bros. & Freedman, 743 Yale Avenue, Fresno, California, and it *prima facie* appearing in the record that the applicant herein, E. L. Barr, is not unable to secure service upon said Altman Bros. & Freedman at the said address, notice is hereby given that unless Altman Bros. & Freedman, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 15, 1937

[VOL. 479. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 376,372. MICHAEL M. BAIO, Montreal, Quebec, Canada. Filed Mar. 25, 1936.

DATEX
The
DATEDPAC

The word "Datedpac" is disclaimed apart from the mark.
For Rubber, Gutta Percha, and Cellulose.
Claims use since Jan. 19, 1935.

Ser. No. 383,164. GEMLOID CORPORATION, New York, N. Y. Filed Sept. 12, 1936.

CELL-O-SILVER

The word "Silver" is disclaimed.
For Cellulosic Derivative Product Having a Metallic Silver Coating Made in Sheet Form.
Claims use since Mar. 1, 1935.

Ser. No. 385,767. ABRAMS & LINDEN, INC., New York, N. Y. Filed Nov. 20, 1936.



For Furs in the Piece.
Claims use since September, 1935.

Ser. No. 389,148. THE PACIFIC LUMBER COMPANY, San Francisco, Calif. Filed Feb. 19, 1937.

PALCO FIBRE

The word "Fibre" is disclaimed from the mark.
For Finely Shredded Bark for Use for Padding, Batting, and Upholstering Purposes, and Combining with Cotton, Wool, and Other Fibers, in Spinning and Weaving.
Claims use since Feb. 11, 1937.

Ser. No. 389,512. FERRY-MORSE SEED COMPANY, Detroit, Mich. Filed Mar. 1, 1937. Under 10-year proviso.

FERRY'S

For Seeds—Namely, Vegetable, Flower, and Grass Seeds.
Claims use since 1867.

Ser. No. 389,824. THE ELK HORN COAL CORPORATION, Cincinnati, Ohio. Filed Mar. 9, 1937.

For Bituminous Coal.
Claims use since July 1, 1936.

Ser. No. 389,885. THE PORCELAIN ENAMEL AND MANUFACTURING COMPANY OF BALTIMORE, Baltimore, Md. Filed Mar. 10, 1937.

UNIFORM PERFORMANCE

The words "Uniform Performance" are disclaimed apart from the mark.
For Enamel Frits, Oxides, and Opacifiers.
Claims use since Feb. 24, 1937.

Ser. No. 390,903. CONSOLIDATED SLIPPER CORP., Bombay, N. Y. Filed Apr. 3, 1937.

FIBERTEX

For Leather Used for Soling Purposes of House and Bedroom Slippers for Men and Women.
Claims use since Jan. 20, 1936.

Ser. No. 391,441. VAN BOURGONDIEN BROS., Babylon, N. Y. Filed Apr. 16, 1937.



For Bulbs and Plants.
Claims use since Oct. 1, 1934.

Ser. No. 391,465. DOLESE & SHEPARD CO., Chicago, Ill. Filed Apr. 17, 1937.

DOLESCO

For Pulverized Dolomite.
Claims use since Aug. 12, 1936.

CLASS 2

Receptacles

Ser. No. 374,197. KENSINGTON, INCORPORATED, New Kensington Pa. Filed Jan. 28, 1936.



Kensington

For Ornamental Bowls, Dishes, Jars, Boxes, Trays, and Similar Receptacles for Fruit, Candy, Nuts, Bonbons and the Like, Vases, Pitchers, Sugar Bowls, Punch Bowls, Ice Buckets, Wine Buckets, Serving Dishes and Trays and Sandwich Trays, All of Base Metal.
Claims use since Mar. 25, 1935.

Ser. No. 391,228. ARTHUR T. LARSEN, Duluth, Minn. Filed Apr. 12, 1937.

PIC-PAC

For Insulated Containers for Carrying Other Receptacles and Maintaining the Temperature of Goods in the Latter for an Abnormal Length of Time.
Claims use since Jan. 10, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 386,551. MONARCH TRUNK COMPANY, LTD., INC., Los Angeles, Calif. Filed Dec. 9, 1936.

TOURLITE

For Overnight Cases, Suit Cases, Wardrobe Hand Cases, Wardrobe Hand Trunks, and Hand Trunks.
Claims use since July, 1936.

Ser. No. 389,365. THE MEYER-STARK MFG. CO., Detroit, Mich. Filed Feb. 25, 1937.

TEXHIDE

For Luggage—Namely, Traveling Bags, Briefcases, Suitcases, Over-Night Cases, and Bathing Bags.
Claims use since June, 1933.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 375,338. MORNY LIMITED, London, England. Filed Feb. 28, 1936.

TENTATION

For Toilet Soap and Bath Soap.
Claims use since December, 1926.

Ser. No. 387,163. AKTIEBOLAGET DOMA, Barkargarde Domnarvet, Sweden. Filed Dec. 28, 1936.

DOMA

For Soap and Cream for Shaving Purposes, Razor Strops and Hones, and Paste for Applying on Strops and Hones for Increasing the Sharpening Action Thereof.
Claims use since June 10, 1936.

Ser. No. 388,651. C. & E. MARSHALL CO., Chicago, Ill. Filed Feb. 8, 1937.

NEW
MAGIC

For Watch Cleaning Solutions.
Claims use since April, 1936.

Ser. No. 389,349. BENJAMIN L. DURYEA, New York, N. Y. Filed Feb. 25, 1937.

DETERGINE

For Detergent and Cleansing Fluid for Household and Industrial Use, Which May Also be Used as an Insect Repellent.
Claims use since May 1, 1900.

Ser. No. 390,567. TEX-ITE PRODUCTS CORP., Brooklyn, N. Y. Filed Mar. 26, 1937.

TRI-PHOS

For Industrial, Household, and Dry Cleaning Compounds.
Claims use since Aug. 24, 1924.

Ser. No. 391,013. SHULTON, INC., New York, N. Y. Filed Apr. 6, 1937.

Early American

The word "American" is disclaimed apart from the mark.
For Saponaceous Compounds for Cleaning the Hands, Shaving Cream, Shaving Sticks, Shaving Powder, Outfit Packages Containing Soap and Towel; Soap Powder for Bathing, Washing and Cleaning Purposes; Laundry Soaps; Soap Flakes; Hand Soaps; Toilet Soaps; Soap Pastes, Washing Tablets, Bath Soap Tablets, and Shampoo Soaps.
Claims use since Apr. 2, 1937.

Ser. No. 391,051. CHEMICAL PRODUCTS, Savannah, Ga. Filed Apr. 8, 1937.

SPEEDY-PRE-SPOTTER

The words "Speedy-Pre-Spotter" are disclaimed apart from the mark.
For General Cleaning Preparation Particularly Useful for Fabrics and for Removing Spots from Fabrics.
Claims use since Feb. 15, 1937.

Ser. No. 391,074. KERK GUILD, INC., Whitesboro, N. Y. Filed Apr. 8, 1937.

Anet

For Toilet and Bath Soaps, Particularly Soap Bodies in the Form of Novelties.
Claims use since Jan. 15, 1937.

Ser. No. 391,075. KERK GUILD, INC., Whitesboro, N. Y. Filed Apr. 8, 1937.

JUNIOR Anet

For Toilet and Bath Soaps, Particularly Soap Bodies in the Form of Novelties.
Claims use since Jan. 15, 1937.

CLASS 5

Adhesives

Ser. No. 374,005. WILLIAM C. LINDAHL, doing business as W. C. Lindahl, Chicago, Ill. Filed Jan. 23, 1936.

W. C. L.
STIXTITE

The word "Stixtite" is disclaimed apart from the mark.
For Liquid Cement.
Claims use since Mar. 1, 1935.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 347,610. MORRIS BLANK, doing business as Great Northern Laboratories, New York, N. Y. Filed Feb. 20, 1934.



The word "Sweetbreth" is disclaimed apart from the mark.
For Mouth Deodorizer in Tablet Form.
Claims use since December, 1929.

Ser. No. 373,394. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed Jan. 6, 1936.

FOOT CLINIC

The word "Foot" is disclaimed apart from the mark.
For Medicated Corn, Callous, and Bunion Pads.
Claims use since Dec. 5, 1935.

Ser. No. 374,447. YU KAN COMPANY, INC., Detroit, Mich. Filed Feb. 3, 1936.

Lady Ann

For Hair Color Restorers and Dandruff Removers.
Claims use since Nov. 15, 1934.

Ser. No. 375,112. ACTIVATED ALUM CORPORATION, New York, N. Y. Filed Feb. 24, 1936.

BLACK ALUM

The word "Alum" is disclaimed alone.
For Coagulant, i. e., a Coagulating Agent or Precipitant of Undesirable or Foreign Constituents of a Solution, Particularly Water or Sewage, for the Purification of Said Water or Sewage.
Claims use since Dec. 15, 1932.

Ser. No. 381,465. NATIONAL OIL PRODUCTS CO., Harrison, N. J. Filed July 25, 1936.

NOPCO

For All Soluble, Emulsifiable and Sulphonated Animal, Vegetable, and Fish Oils, Such as Produced from Raw Materials Such as Lard Oil, Neat's-foot Oil, Tallow, Cottonseed Oil, Corn Oil, Olive Oil, Rapeseed Oil, Teaseed Oil, Cocoanut Oil, Menhaden Oil, Cod Oil, Herring Oil, Salmon Oil, Sardine Oil, and All Fatty Acids of the Foregoing, as Well as Combinations of Such Oils and Fatty Acids and Oil Bases Consisting of Fatty Matter, or Higher Alcohols, Rendered Soluble by Processes of Sulphonation or Saponification, and Thus Made Suitable for Rendering Mineral, and Other Oils, Soluble and Emulsifiable, and Compounds, Blends or Combinations Thereof; Soluble and Sulphonated Oils for the Treatment of Textiles, Leather, Paper and Other Materials; Preparations of Animal, Vegetable, Fish and Mineral Oils, and Compounds, Blends or Combinations Thereof for Industrial Uses as Lubricating, Softening, Finishing, Plasticizing, Penetrating, Polishing, Cleaning, in the Manufacture of Textiles, Leather, Paper and Other Materials, Also for Pharmaceutical Uses, as for Lotions, Pomades, Creams, Shampoos and Other Materials; Cod Liver Oil and Other Fish Oils and Vitamin Preparations Derived Therefrom for Use in Animal Feeds.
Claims use since Jan. 24, 1928.

Ser. No. 381,502. VALORIS COMPANY, Chicago, Ill. Filed July 27, 1936.

PYRA-CHEK
TREATMENT
A Dentist's Prescription
TRADE MARK

The words "Treatment", "A Dentist's Prescription" and "Trade-mark" are disclaimed apart from the mark.
For Medicinal Preparation for Relieving Bleeding of the Gums and Pyorrhea.
Claims use since May 15, 1936.

Ser. No. 381,679. MAGGIE LYONS, doing business as Lyo Manufacturing Co., Minden, La. Filed July 31, 1936.

LYO

For Preparation for the Treatment of Rheumatism, Neuritis, Lumbago, Chest Colds, and Headaches.
Claims use since June 24, 1935.

Ser. No. 382,194. CHARLES H. MATSON, doing business as Chas. H. Matson, New York, N. Y. Filed Aug. 14, 1936.

RUBOLINE

For After Shaving Lotion, Cold Cream, Cleansing Cream, Hair Tonic, Shampoo, Tooth Powder, Vanishing Cream, Corn Salve, Stick Rouge, Liquid Rouge, Astringent Lotion, Disinfectant, Antiseptic, Body Deodorant, Eye Drops and Wash, General Herb Tonic, Lipstick, Mouth Wash and Gargle, Sunburn Lotion, Talcum Powder, Feminine Hygienic Jelly, Liquid Corn Preparation, Dry Rouge, Cream Rouge, Perfume, Antacid Powder, Laxative Tablets.
Claims use since Mar. 25, 1935.

Ser. No. 383,529. HOFFMAN SPECIALTY COMPANY, Waterbury, Conn. Filed Sept. 23, 1936.

HOFFMAN
VALV-KLEAN

The words "Valv-Klean" are disclaimed apart from the mark as shown.
For Chemical Compositions for Use in Preparing Solutions for Cleaning Radiator Air Valves and the Like.
Claims use since Aug. 21, 1936.

Ser. No. 384,415. FRIES & FRIES, INC., Cincinnati, Ohio. Filed Oct. 16, 1936.

F&F

For Perfumes, Perfume Oils and Extracts, and Food Coloring Compounds.
Claims use since Apr. 29, 1930.

Ser. No. 384,745. GOLDSMITH BROS., New York, N. Y. Filed Oct. 24, 1936.

GOLDEX

For Aromatic Spirit of Ammonia, Rubbing Alcohol, Aspirin, Powdered Alum, Antiseptic, Tincture of Arnica, Anise Seed (Anisum), Tincture of Benzoin, Compound Tincture of Benzoin, Brown Mixture, Borax (Sodium Borate), Powdered Boric Acid (Boracic Acid), Crystals Boric Acid, Burow's Solution, Spirit of Camphor, Camphorated Oil, Fluid Extract Cascara Sagrada, Fluid Extract Cascara Sagrada (Aromatic), Chloroform Liniment, Castor Oil (Tasteless), Precipitated Chalk, Powdered Chalk and Orris, Chamomile Flowers, Cream of Tartar, Dobell's Solution, Epsom Salt (Magnesium Sulfate), Stoke's Expectorant, Fennel Seed, Flaxseed (Ground), Flaxseed (Whole), French Chalk, Pure Glycerin, Glycerin and Rose Water, Tincture of Green Soap, Hydrogen Peroxide, Tincture of Iodine, Compound Licorice Powder (Compound Powder of Senna), Milk of Magnesia, Russian Mineral Oil for Medicinal Use, Mouth Wash, Sweet Spirit of Nitre, Oil of Citronella, Oil of Wintergreen (Synthetic) (Methyl Salicylate), Orris Root (Powdered), Spirit of Peppermint (Essence of Peppermint), Paregoric, Rhubarb and Soda Mixture, Rochelle Salt, Seidlitz Powders, Senna Leaves (Tinnevelly-Senna), Sodium Bicarbonate (Bicarbonate of Soda), Sodium Perborate, Sodium Perborate Flavored, Sulphur Flowers, Witch Hazel.
Claims use since Jan. 2, 1936.

Ser. No. 385,467. OTTO H. POEHLMANN, doing business as Poehlmann Laboratory, San Rafael, Calif. Filed Nov. 10, 1936.

POEHLMANN'S
VIO-SEPTIC

For Liquid Antiseptic for Local or External Application.
Claims use since Apr. 15, 1935.

Ser. No. 385,865. JOHN & E. STURGE LIMITED, Birmingham, England. Filed Nov. 21, 1936.

AEROMATT

For Powder for Use in Cosmetics and Toilet Preparations.
Claims use since Feb. 18, 1936.

Ser. No. 386,415. DOCTORS PRODUCTS COMPANY, Lebanon, Pa. Filed Dec. 7, 1936.

"SKIPET"

For Antacid Powder, Said Preparation Being Recommended for Indigestion, Excessive Eating or Drinking, and the Like.
Claims use since Mar. 1, 1936.

Ser. No. 386,419. ROLLIN M. ELWELL, doing business as Trailer Equipment Co., Green Bay, Wis. Filed Dec. 7, 1936.

TRAILGAS

For Bottled Gas for Cooking and Heating.
Claims use since Oct. 2, 1936.

Ser. No. 386,435. SISTO E. MARSICO, doing business as Delafield Nurseries, Aspinwall, Pa. Filed Dec. 7, 1936.

Sani-Grow

For Insecticide.
Claims use since Oct. 1, 1936.

Ser. No. 387,166. BERNIE LE VINE, Dallas, Tex. Filed Dec. 28, 1936.

Beth Muré

For Acne Cream, Acne Lotion, Acne Powder, Astringent, Avocado Cream, Cleansing Cream, Eye Shadow, Facial Beauty Pack, Hand Lotion, Herbal Neck Cream, Oil Shampoo, Pore Cream, Face Powders, Powder Foundation, Rouge, Skin Tonic, Special Blend Cream, Tissue Builder, Turtle Oil, Perfume, Lemon Cleansing Cream, Camphor Pack, and Circulation Cream.
Claims use since Oct. 17, 1932.

Ser. No. 387,849. AYERST, MCKENNA & HARRISON (UNITED STATES) LIMITED, Rouses Point, N. Y. Filed Jan. 16, 1937.

CRESCEFEL

For Bile Salt Preparation for Use as a Treatment in Certain Disorders of the Biliary Tract.
Claims use since June 12, 1936.

Ser. No. 387,870. HOUBIGANT, INC., New York, N. Y. Filed Jan. 16, 1937.



HOUBIGANT

Applicant is the owner of Regn. No. 147,112 for the mark "Houbigant". The word "Versailles" is disclaimed apart from the mark.

For Perfume, Toilet Water, Skin Lotion, Eau Vegetal, Cold Cream, Face Powder, Sachets, Dusting Powder, Talcum Powder, Compact Powder, Compact Rouge, Bath Salts, Brilliantine, Lipstick, and Bandoline.

Claims use since Jan. 13, 1937.

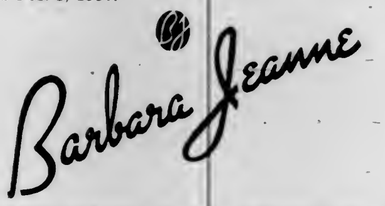
Ser. No. 388,331. REXAIR, INC., Detroit, Mich. Filed Jan. 29, 1937.

REXIDE

For Moth Proof Preparation to be Sprayed on Furniture and Fabrics.

Claims use since Jan. 20, 1937.

Ser. No. 388,520. GEORGE R. STUHLER, Evanston, Ill. Filed Feb. 3, 1937.



For Astringents, Cleansing Creams, Tissue Creams, Finishing Creams and Lotions, Hand Creams, Face Powders, Lip Sticks, and Rouges.

Claims use since Dec. 2, 1936.

Ser. No. 388,615. HARRIS EYE LOTION CO. INC., New York, N. Y. Filed Feb. 6, 1937.

Dr. Harris' eye lotion

The words "eye lotion" are disclaimed apart from the mark. The name "Dr. Harris" is the facsimile signature of Dr. M. H. Harris, president of applicant corporation.

For Eye Lotions.

Claims use since May, 1936.

Ser. No. 388,741. DON V. DAVIS, University City, Mo. Filed Feb. 6, 1937.



The words "for all kinds of insect bites" are disclaimed apart from the mark.

For Liquid Preparation Used in the Treatment and Relief of Insect Bites, Minor Cuts, and Burns.

Claims use since Jan. 1, 1936.

Ser. No. 388,867. THE LUBRI-ZOL CORPORATION, Cleveland and Wickliffe, Ohio. Filed Feb. 13, 1937.

CARBONTROLED

For Chemical Motor Fuel Addition Agents.

Claims use since Feb. 2, 1937.

Ser. No. 389,124. PASQUALE GARGIULO, Los Gatos, Calif. Filed Feb. 19, 1937.



For Medicine for the Treatment of Rheumatic Ailments

Claims use since Feb. 5, 1937.

Ser. No. 389,256. LAX-VITA LIMITED, London, England. Filed Feb. 23, 1937.

LAX-VITA MAGNAS

For Medicated Laxative Preparations for Human Use

Claims use since Jan. 7, 1936.

Ser. No. 389,741. R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 6, 1937.

FORMULA V

The word "Formula" is disclaimed except as shown.

For Hair Tonic.

Claims use since Jan. 15, 1937.

Ser. No. 389,742. R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 6, 1937.

Z. C. A.

For Toothpaste and Mouth Wash.

Claims use since Jan. 14, 1936.

Ser. No. 389,819. JOSEPH A. COLLOTY, doing business as Azmarin Sales Company, Waterbury, Conn. Filed Mar. 9, 1937.

AZMARIN

For Preparation for Aiding Control and Elimination of Certain Contributing Causes of Colds, Catarrh, Hay Fever, Sinusitis, Bronchitis, or Asthma.

Claims use since 1932.

Ser. No. 390,191. GERTRUDE BIEDERMAN, doing business as The Allergy Research Foundation, Cincinnati, Ohio. Filed Mar. 18, 1937.

ASTHMARID

For Medicine for Relief of Asthma, Hay Fever, and Rose Fever Attacks.

Claims use since Mar. 10, 1937.

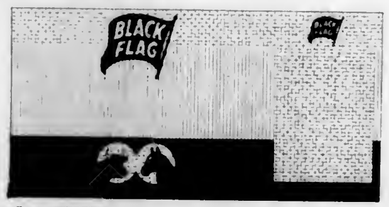
Ser. No. 390,192. GERTRUDE BIEDERMAN, doing business as The Allergy Research Foundation, Cincinnati, Ohio. Filed Mar. 18, 1937.

RHIN-OPTIN

For Medicine for Relief of Nose and Eye Irritation Due to Hay Fever, Rose Fever, and Common Colds.

Claims use since Mar. 10, 1937.

Ser. No. 390,260. THE BLACK FLAG COMPANY, Baltimore, Md. Filed Mar. 19, 1937.



For Insecticides.

Claims use since Feb. 20, 1937.

Ser. No. 390,330. MILK MINERALS CO. INC., Chicago, Ill. Filed Mar. 20, 1937.

DARICAL

For Wafers Containing Calcium Salts and Vitamin D and Cocoa Flavoring to be Used for Supplementing the Diet.

Claims use since Nov. 10, 1936.

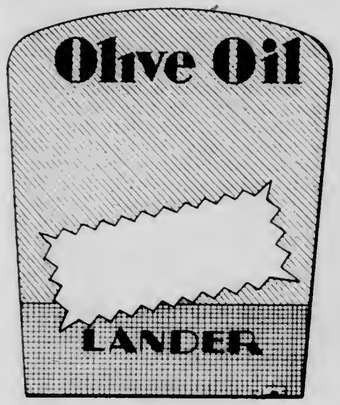
Ser. No. 390,494. ADJUVANT SPECIALTIES COMPANY, Jersey City, N. J. Filed Mar. 25, 1937.

Adjuvitol

For Preparation for the Treatment of Vitamin Deficiencies.

Claims use since Nov. 30, 1936.

Ser. No. 390,655. THE LANDER CO. INC., New York, N. Y. Filed Mar. 29, 1937.



The representation of the label and the words "Olive Oil" are disclaimed apart from the mark.

For Face Powder, Hair Pomade, Hand Cream, Nail Polish Remover and Brilliantine.

Claims use since January, 1934 on hand cream, brilliantine, and hair pomade; since December, 1936 on face powder and nail polish remover.

Ser. No. 390,929. W. G. MALCOLM, Chetek, Wis. Filed Apr. 3, 1937.

JOHN'S
GREEN OIL



The portrait is that of applicant's son. The words "green oil" is disclaimed apart from the mark.

For Medicinal Preparation in Liquid Form for Use Internally and Externally, and for the Treatment of Croup, Sore Throat, Tonsilitis, Bronchitis, Whooping Cough, Asthma, Chronic Coughs, Pneumonia, Pleurisy, Neuralgia, Burns and Scalds, Frost Bite, Bites of Insects, Cuts, Bruises, Boils, Carbuncles, Toothache, Earache, Sprains, Rheumatism, and Mastitis.

Claims use since 1905.

Ser. No. 391,004. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Apr. 6, 1937.

HELIOGEN

For Pigment Dyestuffs.
Claims use since Jan. 10, 1936.

Ser. No. 391,012. SHULTON, INC., New York, N. Y. Filed Apr. 6, 1937.

Early American

The word "American" is disclaimed apart from the mark.

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream, or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Apr. 2, 1937.

Ser. No. 391,054. COLE CHEMICAL COMPANY, INC., Wilmington, Del., and St. Louis, Mo. Filed Apr. 8, 1937.

ENDOMYRT

For Pharmaceutical Preparation for the Treatment of Diabetes.
Claims use since Jan. 21, 1937.

Ser. No. 391,061. EMULSION PRODUCTS CO., INC., Los Angeles, Calif. Filed Apr. 8, 1937.

PERMA-NU

For Compound for Stainproofing Wash Fabrics and Rendering the Same Water Repellent.
Claims use since Oct. 27, 1936.

Ser. No. 391,086. PARFUMS CHARBERT, INC., New York, N. Y. Filed Apr. 8, 1937.

"OF THEE I SING"

For Cosmetics—Namely, Perfumes, Extract of Perfumes, Toilet Water, Face Powder, Sachet, Lipstick, Compacts of Rouge, Powder, and Lipstick, Face Cream, and Cleansing Cream.
Claims use since Oct. 12, 1933.

Ser. No. 391,112. CLAIRE MANUFACTURING CO., Chicago, Ill. Filed Apr. 9, 1937.

GLEEM

For Chemical Compound for Deodorizing and Disinfecting, Having Incidental Cleansing Properties.
Claims use since Sept. 1, 1936.

Ser. No. 391,179. FAN TAN COMPANY, INC., doing business as Black Diamond Co., Chicago, Ill. Filed Apr. 10, 1937.

BLACK DIAMOND

For Hair Dye.
Claims use since Nov. 1, 1934.

Ser. No. 391,198. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed Apr. 10, 1937.

MILKOPINE

For Deodorant and Antiseptic Spray Recommended for Overcoming Disagreeable Odors.
Claims use since Jan. 21, 1937.

Ser. No. 391,251. THE VAPODINE CO., Philadelphia, Pa. Filed Apr. 12, 1937.

PETRODINE

For Iodine Product for Medicinal Use.
Claims use since Apr. 3, 1937.

Ser. No. 391,256. SOLUOL CORPORATION, Providence, R. I. Filed Apr. 10, 1937.

VISCOSENE

For Oils and Fatty Acids or Derivatives Thereof, for the Treatment of Textile Fibres, Both Natural and Synthetic, and Fabrics Made Therefrom, Particularly as Wetting-Out and/or Dyeing Agents, and as Dye Solvents.
Claims use since Jan. 5, 1937.

Ser. No. 391,274. PAUL GAIRE, JR., New York, N. Y. Filed Apr. 13, 1937.

Vitoil

For Hair Preparation.
Claims use since Mar. 29, 1937.

Ser. No. 391,313. CU-SOL PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 14, 1937.

Q-MITE

For Preparation for the Treatment of Mange.
Claims use since Mar. 27, 1937.

Ser. No. 391,356. STEIN, HALL & COMPANY, INC., New York, N. Y. Filed Apr. 14, 1937.

SOLATINE

For Solution of Sodium Lactate.
Claims use since Aug. 9, 1935.

Ser. No. 391,365. HARRY AARON, doing business as Aaron's Beauty Supply Company, Brooklyn, N. Y. Filed Apr. 15, 1937.

Oil-O-Lather

The words "Oil" and "Lather" are disclaimed apart from the mark.

For Lathering Oils Used as a Shampoo and Oil Treatment for the Hair.
Claims use since Jan. 15, 1937.

Ser. No. 391,400. RCA MANUFACTURING COMPANY, INC., Camden and Harrison, N. J. Filed Apr. 15, 1937.

KINOLITE

For Fluorescent Material for Use in Cathode Ray Tubes.
Claims use since Mar. 29, 1937.

Ser. No. 391,401. RCA MANUFACTURING COMPANY, INC., Camden and Harrison, N. J. Filed Apr. 15, 1937.

TELLITE

For Fluorescent Material for use in Cathode Ray Tubes.
Claims use since Mar. 29, 1937.

Ser. No. 391,403. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Apr. 15, 1937.

Butesso

For Hydrocarbon Gases for Industrial and Commercial Purposes.
Claims use since Mar. 23, 1937.

Ser. No. 391,406. GEORGE VALIAN, Detroit, Mich. Filed Apr. 15, 1937.

Valeen

For Salve for the Relief of Eczema.
Claims use since Aug. 1, 1936.

Ser. No. 391,429. MOLINARD INC., New York, N. Y. Filed Apr. 16, 1937.

1811

For Perfumes.
Claims use since October, 1936.

Ser. No. 391,430. MOLINARD INC., New York, N. Y. Filed Apr. 16, 1937.

MADRIGAL

For Perfume Extracts, Toilet Water, Cologne, and Perfumed Cloth used like Sachets.
Claims use since October, 1936.

Ser. No. 391,558. IRVING AARON, Brooklyn, N. Y. Filed Apr. 20, 1937.

VBQ

For Brilliantine, Petroleum Jelly used as an Oil Treatment for the Hair, Depilatory Wax Used as a Hair Remover, Hair Bleach Peroxide, White Henna Used in Bleaching of the Hair, Egyptian Henna, Hair Tonic, Talcum Powder, Witch Hazel, Eyebrow Pencils, Astringent Lotion, Hand Lotions, Facial Creams, Soapless Oil Shampoo Used as a Shampoo and Oil Treatment for the Hair, Finger Wave Lotion, Nail Polish, Nail Polish Remover, Mange Medicine, Castor Oil, Pine Needle Oil, Wave Oil; Mineral Oil, an Odorless Colorless Light Oil Used in Oil Treatments for the Hair; Facial Packs, Permanent Wave Lotions, Hair Rinses, Face Powder, Lipstick, Rouge, Mascara, Perfumes, Liquid Shampoo Soaps.
Claims use since Mar. 1, 1936.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 390,730. JACQUES L. GALEF, New York, N. Y. Filed Mar. 31, 1937.



The words "Arms" and "Ammunition" are disclaimed apart from the mark.

For Alarm Pistols, Alarm Revolvers, Automatic Pistols, Air Pistols, Air Rifles, Revolvers, Shot Guns, Rifles, Ammunition, More Specifically, Blank Cartridges, Cartridges, Shells.

Claims use since Mar. 10, 1925.

CLASS 10

Fertilizers

Ser. No. 391,589. RELIANCE FERTILIZER COMPANY, Savannah, Ga. Filed Apr. 20, 1937.

RELIANCE

For Fertilizer.
Claims use since 1910.

Ser. No. 391,590. RELIANCE FERTILIZER COMPANY, Savannah, Ga. Filed Apr. 20, 1937.



The words "Use" and "Brands" are disclaimed apart from the mark.

For Fertilizer.
Claims use since 1910.

CLASS 11

Inks and Inking Materials

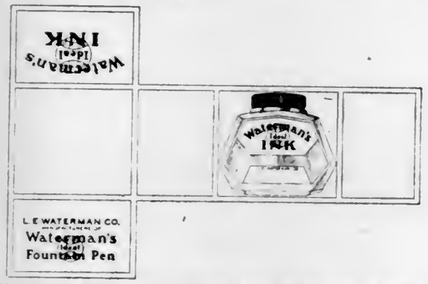
Ser. No. 386,968. STANDARD MAILING MACHINES COMPANY, Everett, Mass. Filed Dec. 19, 1936.



The words "Genuine New-Process Carbon" are disclaimed apart from the mark.

For Duplicating Carbon Paper.
Claims use since Dec. 14, 1936.

Ser. No. 391,099. L. E. WATERMAN COMPANY, New York, N. Y. Filed Apr. 8, 1937.



The colors blue, red, yellow, and black are claimed as features of the mark. No claim is made to the words "Ink", "Manufacturers Of", "Fountain Pen", and the representation of the bottle apart from the mark, nor to the representation of the carton per se.

For Writing Ink.
Claims use since Feb. 1, 1936.

CLASS 12

Construction Materials

Ser. No. 389,017. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill. Filed Feb. 17, 1937.

APOLLO

For Asphalt Composition Roofing and Building Papers
Claims use since Feb. 8, 1937.

Ser. No. 389,018. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill. Filed Feb. 17, 1937.

ENVOY

For Asphalt Composition Roofing and Building Papers
Claims use since Feb. 8, 1937.

CARNEGIE LIBRARY OF ATLANTA

Ser. No. 389,022. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill. Filed Feb. 17, 1937.

SENECA

For Asphalt Composition Roofing and Building Papers.
Claims use since Feb. 8, 1937.

Ser. No. 389,023. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill. Filed Feb. 17, 1937.

STADIUM

For Asphalt Composition Roofing and Building Papers.
Claims use since Feb. 8, 1937.

Ser. No. 389,842. METROPOLITAN ROOFING SUPPLIES CO., INC., New York, N. Y. Filed Mar. 9, 1937.

RAIN-COTE

For Plastic Fibrous Cement.
Claims use since Apr. 3, 1936.

Ser. No. 390,223. THE C. A. MAUK LUMBER COMPANY, Toledo, Ohio. Filed Mar. 18, 1937.

META-KOTE

"Kote" apart from the mark shown is disclaimed.
For Shingles.
Claims use since Feb. 1, 1937.

Ser. No. 391,556. UNITED STATES LIME PRODUCTS CORPORATION, San Francisco, Calif. Filed Apr. 19, 1937.

BOULDER CANYON

For Hydrated Lime and Prepared Plaster.
Claims use since Apr. 5, 1928.

Ser. No. 391,632. THE FELTERS COMPANY, Boston, Mass. Filed Apr. 21, 1937.

UNISORB

For Vibration Absorbing Materials for Acoustic, Mechanical Insulating, and Similar Purposes.
Claims use since Apr. 15, 1937.

Ser. No. 391,707. LUMBERMENS MERCHANDISING CORPORATION, Philadelphia, Pa. Filed Apr. 22, 1937.

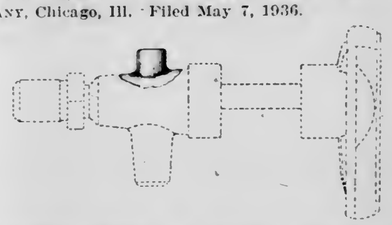
ELMCO

For Lumber and Millwork.
Claims use since Oct. 1, 1935.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 378,141. HARPER-WYMAN MANUFACTURING COMPANY, Chicago, Ill. Filed May 7, 1936.



Trade-mark consists of a truncated conical projection forming a part of the body of the valve. Applicant disclaims a representation of a valve.

For Gas Range Valves, Gas Coffee Brewer Valves, and Gas Water Heater Valves.
Claims use since 1930.

Ser. No. 389,687. CORNELIUS A. LEVY, Baltimore, Md. Filed Mar. 5, 1937.

OYSTRAY

For Base Metal Plate for Serving Shell-Fish
Claims use since Dec. 1, 1933.

Ser. No. 391,100. WILMINGTON FIBRE SPECIALTY COMPANY, Wilmington and New Castle, Del. Filed Apr. 8, 1937.

"Sav-a-Run"

For Fibre Desk-Pedestal Corner Guards to Protect Clothing from Splinters.
Claims use since Mar. 15, 1937.

Ser. No. 391,119. THE EVEREDY COMPANY, Frederick, Md. Filed Apr. 9, 1937.

JIFFY

For Base Metal Table and Cooking Hollowware
Claims use since Jan. 11, 1937.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 390,428. R. D. WERNER CO. INC., New York, N. Y. Filed Mar. 23, 1937.

WERNCO

For Ferrous and Non-Ferrous Metal Mouldings, Castings, and Forgings.
Claims use since Jan. 28, 1937.

Ser. No. 391,127. HEPPENSTALL COMPANY, Pittsburgh, Pa. Filed Apr. 9, 1937.

UNIKOTE

For Rolls Made of Metal for Use in Tinning Machines.
Claims use since Oct. 1, 1936.

Ser. No. 391,693. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill. Filed Apr. 22, 1937.

ALTA

For Alloys of Base and Semi-Precious Metals Including Tantalum Alloys.
Claims use since Feb. 25, 1937.

Ser. No. 391,813. INDIANA STEEL PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 24, 1937.

VOLTA

For Steels Having a Tungsten Content.
Claims use since Jan. 1, 1911.

CLASS 15

Oils and Greases

Ser. No. 391,300. PARAGON OIL CO., INC., Brooklyn, N. Y. Filed Apr. 14, 1937.

PARAFLUSH

For Lubricating Oils and Greases.
Claims use since Aug. 10, 1933.

Ser. No. 391,423. JOHN W. HAWKSHAW, doing business as Pyramid Oil Company, Washington, D. C. Filed Apr. 16, 1937.

PYRAMID

For Motor Lubricating Oils, and Grease, and Gasoline.
Claims use since Sept. 19, 1936.

Ser. No. 391,523. THE ELCO GREASE AND OIL COMPANY, Cleveland, Ohio. Filed Apr. 19, 1937.

ELCO

For Lubricating Oils and Greases.
Claims use since Jan. 6, 1923.

CLASS 16

Paints and Painters' Materials

Ser. No. 379,523. S. C. JOHNSON & SON, INC., Racine, Wis. Filed June 10, 1936.



Applicant's mark consists of a distinctive combination of elements including an arbitrarily formed panel located on the front of the container and extending upward over the shoulders thereof, and composed of a series of elongated ellipsoidal projections vertically disposed and contiguously arranged; a label of oblong shape perpendicularly superimposed upon said panel, the label having a black background upon which appears the words "Furniture Polish" and in the upper half thereof a white horizontal rectangle bearing the word "Johnson's"; a lower label consisting of a band encircling the container and having a red background containing certain printed matter distinctively arranged and accompanied by the name "S. C. Johnson & Son, Inc., Racine, Wis., U. S. A.," and the further phrase "By the Makers of Johnson's Wax"; a black cap in the shape of a truncated spheroid containing flutings disposed parallel to its longest diameter.

No claim is made to any wording except "Johnson's" and "S. C. Johnson & Son, Inc.", or to the flutings blown into the glass of the bottle, or to the representation of a container or bottle per se.

For Liquid Wax Polish.
Claims use since Feb. 20, 1935.

Ser. No. 390,694. THE H. B. DAVIS CO., Baltimore, Md. Filed Mar. 30, 1937.

SILVER ARROW

For Dry and Ready Mixed Paints, Paint Enamels, Lacquers, and Varnishes.
Claims use since June 6, 1934.

Ser. No. 390,818. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Apr. 1, 1937.

PERMA-BRITE

The word "Brite" is disclaimed apart from the mark.
For Paints (Ready Mixed, Paste Form, and Dry), Paint Enamels, Lacquers, Japans, Varnishes, Stains, Paint Fillers, Kalsomine, Water Paints, White Lead, Dry Paint Colors, and Paint Pigments.
Claims use since Feb. 5, 1937.

Ser. No. 392,221. I. F. LAUCKS, INC., Seattle, Wash. Filed May 3, 1937.

LAUX REZ

For Under or Priming Coat for Wood, Cement, Plaster, or Brick and for a Filler, Sealer, and Grain Raising Inhibitor for Lumber and Plywood.
Claims use since Apr. 21, 1937.

Ser. No. 392,223. I. F. LAUCKS, INC., Seattle, Wash. Filed May 3, 1937.

REZITER

For Under or Priming Coat for Wood, Cement, Plaster or Brick and for a Filler, Sealer, and Grain Raising Inhibitor for Lumber and Plywood.
Claims use since Apr. 22, 1937.

CLASS 17

Tobacco Products

Ser. No. 390,863. ROSARIO PREVITERA, doing business as Previtera Cigar Co., New York, N. Y. Filed Apr. 2, 1937.



The words "Sigari" and "7 per 10¢" are disclaimed apart from the mark.
For Cigars Packed in Boxes.
Claims use since Mar. 15, 1937.

Ser. No. 391,070. THE ITALIAN CIGAR AND TOBACCO COMPANY, INC., Brooklyn, N. Y. Filed Apr. 8, 1937.



The words "Dolce Fumo" are disclaimed except as shown. The portrait is fanciful.
For Cigars.
Claims use since Dec. 14, 1936.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 384,792. EDWARD C. ERNST, doing business as The Handy Mandy Co., Hubbard, Ohio. Filed Oct. 26, 1936.

HANDY MANDY

For Hand Truck.
Claims use since Aug. 21, 1936.

Ser. No. 388,444. FRED P. GLICK, doing business as Fabriform Steel Products Co., Bell, Calif. Filed Feb. 2, 1937.

FABRIFORM

For Trailers for Motor-Driven Vehicles and the Like.
Claims use since Jan. 1, 1930.

Ser. No. 390,946. AMERICAN AUTOMATIC DEVICES CO., Chicago, Ill. Filed Apr. 5, 1937.

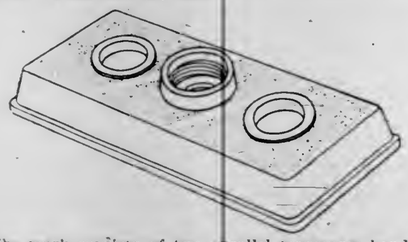
PROTECTO

For Vehicle Rearview Mirrors.
Claims use since July 1, 1935.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 345,143. THE RICHARDSON COMPANY, Lockland, Ohio. Filed Dec. 20, 1933.



The mark consists of two parallel transverse bands of smooth finish appearing on the battery cover plate symmetrically spaced between the three caps of the cells of the battery. No claim is made to the representation of a cell cover per se apart from the other features of the mark.
For Cell Cover for Storage Batteries.
Claims use since Dec. 7, 1933.

Ser. No. 379,940. THE ADALET MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 19, 1936.

ADALET

For Electrical Conduit Fittings, Including Pipe Ends, Insulating Bushings, Covers for Pipe Ends and Bushings, Service Entrance Fittings, Service Entrance Elbows, Covers for Outlet Boxes, Pipe Clamps, Conduit and Cable Hangers, F-S Conduit Fittings, Junction Boxes, Fixture Hangers and Parts Thereof, Fittings and Fixtures and Parts Thereof, Wall Brackets, Weatherproof Pole Fittings, and Reflectors.
Claims use since Sept. 16, 1929.

Ser. No. 380,490. THE ADALET MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 2, 1930.



For Electrical Conduit Fittings, Including Pipe Ends, Insulating Bushings, Covers for Pipe Ends and Bushings, Service Entrance Fittings, Service Entrance Elbows, Covers for Outlet Boxes, Pipe Clamps, Conduit and Cable Hangers, F-S Conduit Fittings, Junction Boxes, Fixture Hangers and Parts Thereof, Fittings and Fixtures and Parts Thereof, Wall Brackets, Weatherproof Pole Fittings, and Reflectors.
Claims use since Sept. 16, 1929.

Ser. No. 388,679. GUARDIAN ELECTRIC MANUFACTURING CO., Chicago, Ill. Filed Feb. 9, 1937.



For Electrical Control Equipment—Namely, Protective and Signaling Devices Such as Burglar and Fire Alarms, and Tear Gas, Annunciator, Nurse's Call, Farm Lighting Control and Carriage Call Systems, Relays of All Types Such as Stepping, Keying, Break-In, Control and Multi-Pole, Switches Such as Automatic, Mechanical, Manual and Electrical, Fuses, Solenoids, Automatic Rotary Contactors, Spinners and Odd Selector Units for Pin Game Machines, Time Delay Units, Push Buttons, Jacks, Stepping Switches, Electromagnets, Circuit Breakers, Flashers, and Sockets.
Claims use since Oct. 12, 1936.

Ser. No. 389,849. PARRIS-DUNN CORPORATION, Clarinda, Iowa. Filed Mar. 9, 1937.

SKI-CHARGER

The word "Charger" is disclaimed except as shown.
For Wind-Driven Electric Generator Apparatus.
Claims use since Feb. 1, 1937.

Ser. No. 390,310. CONTINENTAL MOTORS CORPORATION, Detroit and Muskegon, Mich. Filed Mar. 20, 1937.



The words "Motors" and "America's Standard" are disclaimed apart from the mark.
For Sound Reproducers and Parts Thereof, Particularly Speakers or Sound Reproducers for Radio Receiving Sets; Battery Chargers; Lighting and Power Plants Including Both Stationary and Portable Engine Driven Lighting and Power Plants of the Direct Current Type of 6, 12, 32 and 110 Volt, and Which Plants Vary in Size and Capacity and Produce from Substantially 200 Watts to 2000 Watts, as Well as 110 Volt A. C. Lighting and Power Plants of Varying Capacity; Replacement Generators for the Above Lighting and Power Plants Including Storage Batteries, Connections and Wiring Kits Comprising Wiring, Lamp Sockets, Switches, and Connections; and All Parts Thereof.
Claims use since Nov. 9, 1935.

Ser. No. 390,542. WILLIAM K. ANDERSEN, New York, N. Y. Filed Mar. 26, 1937.

OMATIC

For Spark Plugs.
Claims use since Mar. 17, 1937.

Ser. No. 390,678. ULTRAMAR MANUFACTURING CORPORATION, Chicago, Ill. Filed Mar. 29, 1937.

ULTRAMAR

For Radio Receivers.
Claims use since June 1, 1931.

Ser. No. 390,879. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Apr. 2, 1937.



The words "Welder" and "Electric" are disclaimed apart from the mark.
For Electric Welders.
Claims use since Dec. 1, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 387,194. PANSY B. LLOYD, Sioux City, Iowa. Filed Dec. 28, 1936.



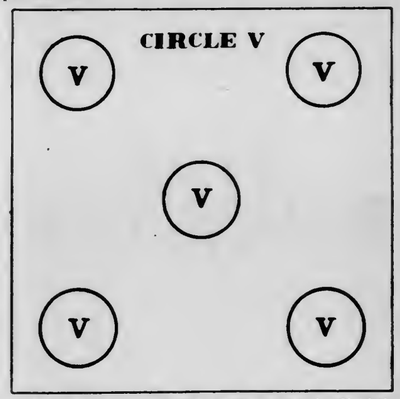
For Combination Top and Board Game.
Claims use since Nov. 1, 1936.

Ser. No. 389,315. HAMRIL COMPANY, Kansas City, Mo. Filed Feb. 24, 1937.

PUNCH O MATIC

For Coin Controlled Amusement Apparatus and Parts Thereof.
Claims use since June, 1935.

Ser. No. 391,362. OHMER W. WEBB, doing business as Circle V Gun Club of America, Bennings, D. C. Filed Apr. 14, 1937.



The representation of the card per se is disclaimed.
For Target Cards for Short Range Shooting.
Claims use since Mar. 6, 1937.

Ser. No. 392,110. SELCHOW & RIGHTER COMPANY, New York, N. Y. Filed Apr. 30, 1937.



For Board Games Played with Pieces.
Claims use since Jan. 26, 1937.

Ser. No. 392,206. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed May 3, 1937.

SILVER BELLS

For Coin-Controlled Amusement Apparatus.
Claims use since Mar. 2, 1937.

Ser. No. 392,339. SUPERIOR DOOR CATCH COMPANY, Superior, Wis. Filed May 5, 1937.

K-B

For Fishing Spoons.
Claims use since 1929.

Ser. No. 392,438. MARBON CORPORATION, Chicago, Ill. Filed May 7, 1937.

MARBON

For Golf Balls.
Claims use since Apr. 26, 1937.

Ser. No. 392,448. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed May 7, 1937.

TRANSPORT

For Board Game Played with Movable Pieces.
Claims use since Apr. 28, 1937.

Ser. No. 392,449. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed May 7, 1937.

STAR REPORTER

For Board Game Played with Movable Pieces.
Claims use since Apr. 28, 1937.

Ser. No. 392,450. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed May 7, 1937.

MEXICAN PETE

For Card Game.
Claims use since Apr. 28, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 383,367. NATIONAL PRINTING APPLIANCE CORPORATION, New York, N. Y. Filed Sept. 17, 1936.

KLEAN-O-MAT

The words "Klean" and "Mat" are disclaimed apart from the mark.
For Mats, Magazines for Mats, and Cams and Accessories Therefor All for Use in the Printing Art.
Claims use since Apr. 20, 1936.

Ser. No. 386,442. PETER PEFF, doing business as Superior Air Products Co., Newark, N. J. Filed Dec. 7, 1936.

SUPAIRCO

For Machinery and Apparatus for Deriving Oxygen and Nitrogen From the Air, for General Uses, and for Making Liquid Air, and Parts of Such Apparatus, as Compressors, Mixing Tanks, Pumps, Thawing Kettles, Rectifying Columns, Gas Holders, and Charging Manifolds.
Claims use since 1930.

Ser. No. 387,200. P. R. BETZING, doing business as Marco Products Company, Los Angeles, Calif. Filed Dec. 28, 1936.

TOP-SNAKE

For Certain Pipe Cleaning Device Which is Capable of Being Used for the Removal of Sediment and Other Solid Matter from Water, Gas Waste, Soil or Sewer Pipes or Conduits or for the Training of Electric Conductors Through Conduits.
Claims use since Feb. 1, 1933.

Ser. No. 387,591. PACKARD MOTOR CAR COMPANY, Detroit, Mich. Filed Jan. 8, 1937.

BOREAMER

For Rotary Cutting Tools for Use in Metal Working and Similar Uses.
Claims use since Dec. 15, 1936.

Ser. No. 387,598. MARY SCOLARO, doing business as Sani Products Mfg. Co., Auburn, N. Y. Filed Jan. 8, 1937.

SANI-SERVER

The word "Server" is disclaimed apart from the mark shown.
For Culinary Apparatus for Mechanically Forming Portions of Goods for Cooking and Serving.
Claims use since July 1, 1936.

Ser. No. 391,579. LUPOMATIC TUMBLING MACHINE CO. INC., New York, N. Y. Filed Apr. 20, 1937.

POLISHMASTER

For Tumbling Barrels and Machines for Abrading, Polishing, Finishing, and Lacquering Articles of Metal, Wood, Natural or Artificial Stone, or of Plastic Material.
Claims use since Feb. 19, 1937.

Ser. No. 391,656. H. K. PORTER, INC., Everett, Mass. Filed Apr. 21, 1937.

HKP

For Portable Two-Hand Cutting-Off Tools, and Single-Hand Cutting-Off Metal Working Tools, and Parts Thereof.
Claims use since Nov. 1, 1917 on portable two-hand cutting-off tools; since 1927 on the other goods.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 379,586. M. H. RHODES, INC., New York, N. Y. Filed June 13, 1936.

MARK TIME

For Time-Controlled Devices—Namely, Parking Meters, and Bell-Ringers.
Claims use since April, 1933, for bell ringers; since Aug. 15, 1935, for parking meters.

Ser. No. 379,866. BAILEY METER COMPANY, Cleveland, Ohio. Filed June 18, 1936.

SYNCHRO-METER

The word "Meter" per se is disclaimed.
For Quantity Measuring Apparatus of Flowing Fluids Including Recorders, Indicators, and Integrators, and Charts and Accessories Therefor.
Claims use since June 4, 1936.

Ser. No. 387,198. SAMUEL MENDELSOHN, New York, N. Y. Filed Dec. 28, 1936.

Speedgun

For Photoflash Synchronizers for Cameras.
Claims use since Dec. 15, 1934.

Ser. No. 388,955. NAAMLOOZE VENNOOTSCHAP CHEMISCHE FABRIEK L. VAN DER GRINTEN, Venlo, Netherlands. Filed Feb. 15, 1937.

RETO

For Copying Apparatus and Developing Apparatus for Technical and "Plan" Reproduction and the Reproduction of Technical Drawings (Excepting Lamps as Such) Involving the Use of a Light-Sensitive Agent; Light-Sensitive Paper Product for Photographic Purposes and Photographic Printing and Reproduction, Sensitized Plates, Sensitized Films, and Sensitized Papers for Photography and Reproduction, Screens, Instruments for Determining Quantities of Light Energy, Dosometers, Printing Frames.
Claims use since August, 1936.

Ser. No. 389,515. FROBER FAYBOR COMPANY, Cleveland, Ohio. Filed Mar. 1, 1937.

BIO-PHOTOMETER

The word "Photometer" is disclaimed apart from the mark.
For Photometers.
Claims use since July 16, 1936.

Ser. No. 390,411. BUCK X-OGRAPH COMPANY, St. Louis, Mo. Filed Mar. 23, 1937.

BUCK

For Transfer and Filing Cabinets for Cassettes and Films, Cassettes, Film Storage Chests, Clips for Use with Dental Film Developing, Filing Envelopes for Dental Films, X-Ray Film, Film Loading Bins, Illuminators for Use in Connection With X-Ray Photography, Dark Room Lamps, Intensifying Screens, Developing Tanks, and Film Dryers.
Claims use since Jan. 31, 1930

Ser. No. 391,588. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed Apr. 20, 1937.

RCA Pindex

For Radio Tube Data Finders.
Claims use since Feb. 18, 1937.

Ser. No. 391,677. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Apr. 22, 1937.

UNIFO

For Photographic Cameras.
Claims use since Feb. 27, 1937.

CLASS 27

Horological Instruments

Ser. No. 391,752. ELECTRIC TIME & UTILITIES CO., Chicago, Ill. Filed Apr. 23, 1937.

Tym-Tel

For Electric Clocks.
Claims use since Jan. 15, 1937.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 391,739. ARTHUR C. BRUCKS, New York, N. Y. Filed Apr. 23, 1937.

KAPUFF

For Powder Puffs.
Claims use since February, 1933.

Ser. No. 391,740. ARTHUR C. BRUCKS, New York, N. Y. Filed Apr. 23, 1937.

POCK-A PUFF

The word "Puff" is disclaimed except as shown.
For Powder Puffs.
Claims use since November, 1935.

CLASS 31

Filters and Refrigerators

Ser. No. 390,447. FLEMING MANUFACTURING CO., INC., Worcester, Mass. Filed Mar. 24, 1937.

SKOTTY

For Oil Filters.
Claims use since Dec. 19, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 384,227. GEO. E. FOX & COMPANY, Chicago, Ill. Filed Oct. 10, 1936.

PERMA

For Counter and Desk Tops Made of Composition Material, Letter Trays, and Clip Boards.
Claims use since January, 1936.

Ser. No. 387,257. BELMET PRODUCTS, INC., New York, N. Y. Filed Dec. 28, 1936.

ROLL-A-BAR

Applicant disclaims "Bar" apart from the mark as shown.
For Combination Cigar and Cigarette Ash Receiver and Portable Liquor Bar.
Claims use since May 1, 1936.

Ser. No. 388,011. ABRAHAM I. LEVIN, doing business as Rawhide Products Co., Kenilworth, N. J. Filed Jan. 21, 1937.

Treasure Trove

For Sofas, Chairs; Dining Room Suites, Comprising Tables, Chairs, China Cabinets, Serving Tables, and Buffets; Living Room Suites, Comprising Settees, Sofa Beds, Davenports, Chairs, and Ottomans; Bed Room Suites, Comprising Beds, Dressers, Mirrors, Chiffonobes, Chests of Drawers, Chiffoniers, Night Tables, Vanities, Chairs, and Benches; Vanity Tables, Cabinets, Tables, Beds, Cedar Chests, End Tables, Smoking Cabinets, Bookcases, Desks, Empty Radio Cabinets, Framed Pictures and Picture Frames, Bed Springs, Mattresses, and Pillows.
Claims use since Dec. 1, 1929.

Ser. No. 391,385. GOLDING BROS. COMPANY, INC., New York, N. Y. Filed Apr. 15, 1937.

Sanitex

For Mattresses.
Claims use since Apr. 2, 1937.

CLASS 33

Glassware

Ser. No. 365,282. ASSUREX, LE "ROI DES VERRES DE SÉCURITÉ", MAGNIEN, MONNIER & CIE., Paris, France. Filed May 23, 1935.

ASSUREX

For Sheet, Plate, and Safety Glass for All Mediums of Transport; Flat and Curved Sheets of Glass; Glass for Windows and Show Cases; Sheet Glass for Pictures; Cut Glass Articles—Namely, Ware for Table Use, Vases, Bottles, and Bowls; and Peep Hole Glasses for Ovens and Furnaces.
Claims use since Dec. 18, 1934.

Ser. No. 390,583. THE CAMBRIDGE GLASS CO., Cambridge, Ohio. Filed Mar. 27, 1937.

TABLE ARCHITECTURE

For Table Glassware and Glassware for Forming Decorative Centerpieces for Table Decoration.
Claims use since Mar. 15, 1937.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 387,983. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed Jan. 21, 1937.

FRAX

For Furnaces, Kilns, Combustion Chambers, Waste Heat Recuperators, and Parts and Fittings Therefor.
Claims use since Nov. 2, 1929.

Ser. No. 391,275. ALBERT GOODMAN, doing business as Independent Glass Co., New York, N. Y. Filed Apr. 13, 1937.

PERMA-KANDLE

The word "Kandle" is disclaimed apart from the mark.
For Oil Burning Lamp in the Form of a Candle and Candle Holder.
Claims use since Apr. 5, 1937.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 366,287. THE LOCOMOTIVE FINISHED MATERIAL COMPANY, Atchison, Kans. Filed June 17, 1935.

UNIVERSAL

For Sectional Cylinder Packing Rings of the Straight Type and of the Bull Ring Type.
Claims use since Feb. 1, 1924.

Ser. No. 389,735. HEPWORTH & GRANDAGE LIMITED, Bradford, England. Filed Mar. 6, 1937.

VACRIT

For Piston Rings.
Claims use since August, 1932.

Ser. No. 389,815. BANNER TIRE COMPANY, Boston, Mass. Filed Mar. 9, 1937.

KENMORE

For Automobile Tires and Tubes.
Claims use since Feb. 1, 1933.

CLASS 36

Musical Instruments and Supplies

Ser. No. 375,816. FRANK SKLENARIK, South Norwalk, Conn. Filed Mar. 10, 1936.

ART-ONE

Applicant is owner of T. M. Reg. No. 219,650.
For Musical Strings for Violin, Viola, Cello, and Double Bass Instruments.
Claims use since September, 1936.

CLASS 37

Paper and Stationery

Ser. No. 376,039. THE ERASER COMPANY, INC., Syracuse, N. Y. Filed Mar. 16, 1936.

RUSH-ERASER

The word "Eraser" is disclaimed apart from the mark.
For Erasers.
Claims use since August, 1911.

Ser. No. 389,112. SANFORD D. BUSTER, JR., San Francisco, Calif. Filed Feb. 19, 1937.

SPEED SORT SYSTEMS

The words "Sort Systems" and the representation of the goods are disclaimed apart from the mark.
For Speed Sort Systems Consisting of Filing Cards and Sorting Styli, Printed Forms, Sales Books, and Card Filing Systems.
Claims use since March, 1936.

Ser. No. 389,165. JOEL BARNETT, Chicago, Ill. Filed Feb. 20, 1937.

THE SHERWAY STANDARDIZED HOTEL FORMS

The words "Standardized Hotel Form" are disclaimed apart from the mark.
For Printed Hotel Forms of Stationery.
Claims use since Jan. 1, 1936.

Ser. No. 389,300. ATLAS PAPER BOX COMPANY, Chattanooga, Tenn. Filed Feb. 24, 1937.

JUNGLE KING



SCHOOL SERIES

The words "School Series" are disclaimed apart from the mark.
For School Tablets for Pen or Pencil.
Claims use since April, 1935.

Ser. No. 389,301. ATLAS PAPER BOX COMPANY, Chattanooga, Tenn. Filed Feb. 24, 1937.



The words "School Series" are disclaimed apart from the mark.
For School Tablets for Pen or Pencil.
Claims use since June, 1933.

Ser. No. 389,302. ATLAS PAPER BOX COMPANY, Chattanooga, Tenn. Filed Feb. 24, 1937.



The words "School Series" are disclaimed apart from the mark.
For School Tablets for Pen or Pencil.
Claims use since June, 1928.

Ser. No. 389,393. THE FEDERBUSH COMPANY, INC., New York, N. Y. Filed Feb. 25, 1937.

FEDERBUSH
CUSTOM BUILT
BINDERS

LOOSE LEAF

The words "Custom Built", "Binders", and "Loose Leaf" are disclaimed apart from the mark.
For Loose Leaf Binders.
Claims use since 1935.

Ser. No. 391,036. NEWTON FALLS PAPER COMPANY, INC., New York, N. Y. Filed Apr. 7, 1937.

Blue-edge

For Wall Paper in Rolls or Sheets.
Claims use since Mar. 22, 1937.

Ser. No. 391,380. FEDERATED MILLS, INC., New York, N. Y. Filed Apr. 15, 1937.

GOLDEN FLEECE

For Cleansing Tissues.
Claims use since Mar. 26, 1937.

Ser. No. 391,522. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Apr. 19, 1937.

Pink Pearl

For Rubber Erasers.
Claims use since Jan. 1, 1910.

Ser. No. 391,554. SHERMAN PAPER PRODUCTS CORPORATION, Newton, Mass. Filed Apr. 19, 1937.

CORROFIBRE

For Paper for Wrapping and Container Purposes.
Claims use since Apr. 9, 1937.

CLASS 38

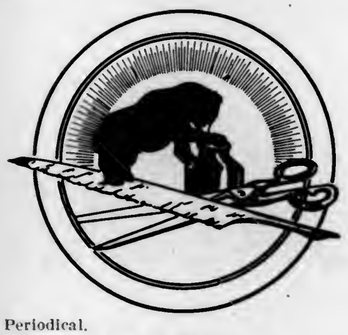
Prints and Publications

Ser. No. 384,867. THE REGISTER & TRIBUNE COMPANY, Des Moines, Iowa. Filed Oct. 27, 1936.

Look

For Regularly Issued Magazine.
Claims use since Oct. 18, 1936.

Ser. No. 387,889. CALIFORNIA NEWSPAPER PUBLISHERS ASSOCIATION, INC., Los Angeles, Calif. Filed Jan. 18, 1937.



For Periodical.
Claims use since Aug. 30, 1930.

Ser. No. 388,235. IDA JEAN KAIN, New York, N. Y. Filed Jan. 27, 1937.

Your Figure, Madame!

For Newspaper Section.
Claims use since Oct. 1, 1935.

Ser. No. 388,397. KNIGHT-CUNIHAN COMPANY, San Francisco, Calif. Filed Feb. 1, 1937.

The ADVERTISER'S DIGEST

For House Organ and Trade Magazine Published Monthly.
Claims use since Dec. 1, 1935.

Ser. No. 388,989. RUDOLF LESCH FINE ARTS, INCORPORATED, New York, N. Y. Filed Feb. 16, 1937.

Alfred Van Neste

Trade-mark is the signature of the artist, Alfred Van Neste.
For Colored Etchings.
Claims use since 1926.

Ser. No. 390,653. CURT JUHL, Beverly Hills, Calif., assignor to Pacific Employers Insurance Co., Los Angeles, Calif., a corporation of California. Filed Mar. 29, 1937.



For Section of Printed Publications.
Claims use since Apr. 17, 1936.

Ser. No. 391,039. RICHARD RIMBACH, doing business as Maintenance Publishing Company, Pittsburgh, Pa. Filed Apr. 7, 1937.

ELECTRICAL MAINTENANCE

For Magazines.
Claims use since Jan. 28, 1937.

Ser. No. 391,267. COUNTRY PRESS, INC., Greenwich, Conn. Filed Apr. 13, 1937.

POLICE DIGEST

For Magazines Published Every Month.
Claims use since Mar. 30, 1937.

Ser. No. 391,283. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed Apr. 13, 1937.

PARENTS' MAGAZINE

For Monthly Publication.
Claims use since December, 1935.

Ser. No. 391,309. THE BUTTERICK COMPANY, INC., New York, N. Y. Filed Apr. 14, 1937.

DRESS UP AND LIVE

For Column Appearing in a Periodical.
Claims use since Mar. 15, 1937.

Ser. No. 391,474. EDGAR GORDON, Los Angeles, Calif. Filed Apr. 17, 1937.

EL HERALDO DE MEXICO

For Newspaper.
Claims use since Sept. 15, 1915.

Ser. No. 391,506. ROSE O'NEILL WILSON, Saugatuck, Conn. Filed Apr. 17, 1937.

THE KEWPIES

For Cartoons in Periodical Publications.
Claims use since Dec. 21, 1912.

Ser. No. 391,512. AUGSBURG PUBLISHING HOUSE, Minneapolis, Minn. Filed Apr. 19, 1937.

Christmas

An American Annual of Christmas Literature & Art.
The phrase "An American Annual of Christmas Literature & Art" is disclaimed apart from the mark.
For Publication.
Claims use since Dec. 1, 1931.

Ser. No. 391,518. COUNTRY PRESS, INC., New York, N. Y. Filed Apr. 19, 1937.

PARADISE

For Magazines Published Twice a Year.
Claims use since Apr. 7, 1937.

Ser. No. 391,519. COUNTRY PRESS, INC., New York, N. Y. Filed Apr. 19, 1937.

WILD LIFE

For Magazines Published Twice a Year.
Claims use since Apr. 7, 1937.

Ser. No. 391,596. TOBÉ INC., New York, N. Y. Filed Apr. 20, 1937.

DRESS UP AND LIVE

For Section in a Monthly Publication.
Claims use since Apr. 1, 1937.

Ser. No. 391,669. WATSON-GUPTILL PUBLICATIONS, INC., New York, N. Y. Filed Apr. 21, 1937.

ART INSTRUCTION

For Periodical Published Monthly.
Claims use since Apr. 12, 1937.

Ser. No. 391,741. CALIFORNIA STATE NURSES ASSOCIATION, San Francisco, Calif. Filed Apr. 23, 1937.

The Pacific Coast
JOURNAL of NURSING

For Magazine Published Monthly.
Claims use since 1904.

Ser. No. 391,773. NATIONAL WEEKLIES, INC., Winona, Minn. Filed Apr. 23, 1937.

Mother's Magazine

For Monthly Publication.
Claims use since Feb. 17, 1937.

Ser. No. 391,789. HEARST PUBLICATIONS, INCORPORATED, Los Angeles, Calif. Filed Apr. 22, 1937.

BEHIND THE MAKEUP

For Title or News Column Caption in a Newspaper, Published from Time to Time.
Claims use since Apr. 5, 1937.

CLASS 39

Clothing

Ser. No. 377,549. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Apr. 23, 1936.

Durolux

For Men's Clothing—Namely, Overcoats.
Claims use since Apr. 17, 1936.

Ser. No. 378,036. CHEROKEE HOSIERY MILLS, Cleveland, Tenn. Filed May 5, 1936.

Humpty Dumpty

For Hosiery.
Claims use since July 8, 1935.

Ser. No. 378,991. WM. P. GOLDMAN & BROS., INC., New York, N. Y. Filed May 28, 1936.



Applicant disclaims the word "Clothes".
For Men's Coats.
Claims use since June 1, 1928.

Ser. No. 380,970. RICHARDS, BOGGS AND KING, INC., Chicago, Ill. Filed July 13, 1936.

Silhouette

For Rain Capes.
Claims use since Mar. 11, 1936.

Ser. No. 387,438. PHILIP GALISON, doing business as Primrose Manufacturing Company, New York, N. Y. Filed Jan. 4, 1937.

MARCELLE
FROCKS

The word "Frocks" is disclaimed apart from the mark.
For Children's and Girls' Dresses.
Claims use since Dec. 28, 1936.

Ser. No. 387,483. VEDA JONES, Pueblo, Colo. Filed Jan. 5, 1937.

"Sunny Jo"

For Juvenile Clothing—Namely, Juvenile Sun Suits, Overalls, Aprons, Dresses, Sun Hats, Beach Slacks, for Juvenile Children.
Claims use since September, 1935.

Ser. No. 389,162. YOUNG AMERICA DANCE FROCKS, INC., New York, N. Y. Filed Feb. 19, 1937.

Young America's Hit Parade

For Misses' and Women's Frocks and Dresses, and Evening Gowns.
Claims use since Feb. 15, 1937.

Ser. No. 389,321. THE LEVENSON COMPANY, Boston, Mass. Filed Feb. 24, 1937.

Gold Label
CAMELS HAIR

The words "Camels Hair" and a label of gold color are disclaimed.
For Women's and Misses' Coats Made of Textile Fabrics Containing a Substantial Content of Camels Hair.
Claims use since January, 1937.

Ser. No. 389,461. GOODMAN & SUSS CLOTHES CORPORATION, New York, N. Y. Filed Feb. 27, 1937.



The word "Clothes" is disclaimed except as shown.
For Men's Coats, Vests, Trousers, Overcoats, and Topcoats.
Claims use since June, 1916.

Ser. No. 389,836. HENRY MANDELBAUM & CO., INC., New York, N. Y. Filed Mar. 9, 1937.

Kasualla

For Ladies' and Misses' Coats and Suits.
Claims use since December, 1935.

Ser. No. 389,846. NORTHERN GLOVE & MITTEN COMPANY, Green Bay, Wis. Filed Mar. 9, 1937.



For Mittens Made Partly of Wool and Partly of Leather.
Claims use since Nov. 1, 1935.

Ser. No. 390,516. GOLDSMITH BROS., New York, N. Y. Filed Mar. 25, 1937.

"Tenacity"

For Men's Shorts and Undershirts, Men's Pajamas and Men's Hose.
Claims use since Feb. 1, 1937, on men's hose; since Oct. 1, 1936, on men's shorts, undershirts, and pajamas.

Ser. No. 390,588. MARION FRANCIS DEWITT, New York, N. Y. Filed Mar. 27, 1937.

Trailer Blouse

The word "Blouse" is disclaimed apart from the mark.
For Ladies' and Misses' Blouses.
Claims use since February, 1934.

Ser. No. 390,954. HERTZ & GREENSPAN, INC., New York, N. Y. Filed Apr. 5, 1937.



The word "Worthmore" is disclaimed apart from the mark shown.
For Dyed Fur Coats for Women.
Claims use since December, 1936.

Ser. No. 391,190. MILLER-RADESCHI, INC., New York, N. Y. Filed Apr. 10, 1937.



For Ladies' and Children's Shoes Made of Leather and Fabric.
Claims use since Mar. 15, 1937.

Ser. No. 391,293. UNIVERSAL BRASSIERE & JUSTRITE CORSET CO. INC., New York, N. Y. Filed Apr. 13, 1937.

Gone with the Wind

For Corsets, Corselets, Girdles, Brassières, and Corset Step-Ins.
Claims use since Mar. 1, 1937.

Ser. No. 391,295. WINTER-DRITTEL, INC., New York, N. Y. Filed Apr. 13, 1937.

Scarlett O'Hara

The words "Scarlett O'Hara" are the name of a well-known character in a book of fiction.
For Ladies' and Misses' Dresses and Blouses.
Claims use since Aug. 3, 1936.

Ser. No. 391,323. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Apr. 14, 1937.

SIZOR

For Hats for Men.
Claims use since Apr. 1, 1937.

Ser. No. 391,364. SIL-O-ETTE UNDERWEAR CORP., New York, N. Y. Filed Apr. 10, 1937.

SEAT-EEZE

For Men's, Women's, and Children's Underwear.
Claims use since Jan. 12, 1937.

Ser. No. 391,631. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Apr. 21, 1937.

Saucy Sunbeam

For Ladies' Dresses.
Claims use since Mar. 22, 1937.

Ser. No. 391,699. GREY HOSIERY MILLS, Hendersonville, N. C. Filed Apr. 22, 1937.

Greymoor

For Hosiery.
Claims use since Mar. 5, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 375,929. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 13, 1936.

LAMICEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Mar. 5, 1936.

Ser. No. 381,023. DARLINGTON FABRICS CORPORATION, New York, N. Y. Filed July 15, 1936.

Darleen Elastic Fabrics

The words "Elastic Fabrics" are disclaimed apart from the mark.
For Piece Goods of Cotton, Rayon, Wool, Silk, and Any Other Yarns Used for Fabrics, and Combinations Thereof, Elastic Webbings and Elastic Sheetings Made of Plain Cotton, Rayon, Wool, Silk, and Any Other Yarn not Rubberized, but Rubber Being Used as a Component Part of the Cloth.
Claims use since May 26, 1936.

Ser. No. 384,503. FRED BUTTERFIELD & CO., INC., New York, N. Y. Filed Oct. 19, 1936.



Statue of Liberty Lawn

The word "Lawn" is disclaimed apart from the mark.
For Linen in the Piece.
Claims use since Aug. 24, 1936.

Ser. No. 388,996. THE UNITED STATES FINISHING COMPANY, Providence, R. I. Filed Feb. 16, 1937.

FIBER-LOC

For Textile Fabrics of Silk, Wool, Linen, Cotton, Rayon, Acetate, and Mixtures of These and Other Fibers, in the Nature of Piece Goods.
Claims use since Feb. 3, 1937.

Ser. No. 389,028. MADEIRA LINEN IMPORTING COMPANY, New York, N. Y. Filed Feb. 17, 1937.



The drawing is lined for blue and silver and all words except "Tiger" are disclaimed apart from the mark.
For White Bleached Cotton Muslin Pillow Cases, Bed Sheets, Quilt Covers, and Allied Bed Coverings and Cloths.
Claims use since July 13, 1936.

Ser. No. 389,507. BULLOCK'S, INC., Los Angeles, Calif. Filed Mar. 1, 1937.

BALBOA

For Rugs and Carpets.
Claims use since June 1, 1935.

Ser. No. 390,725. DEL MONTE-HICKEY COMPANY, INC., New York, N. Y. Filed Mar. 31, 1937.

Shah-Kashmir

The word "Kashmir" is disclaimed apart from the mark.
For Piece Goods—Namely, Wool, Cotton, Rayon, Synthetic Silks, Pure Silk, and/or Combinations Thereof.
Claims use since Jan. 29, 1937.

Ser. No. 390,856. MARVLO MILLS, INC., New York, N. Y. Filed Apr. 2, 1937.

RO-SHAN

For Synthetic Textile (Rayon and Acetate) Fabrics, in Pieces.
Claims use since Feb. 1, 1937.

Ser. No. 390,857. MARVLO MILLS, INC., New York, N. Y. Filed Apr. 2, 1937.

SCREENAIRE PRINTS

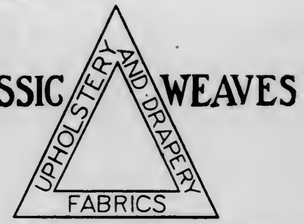
The word "Prints" is disclaimed apart from the mark.
For Piece Goods of Cotton, Linen, Artificial and Natural Silk Goods, and Synthetic Textile (Rayon and Acetate) Fabrics, Plain, Colored, and Printed, in Pieces.
Claims use since Feb. 1, 1937.

Ser. No. 390,858. MARVLO MILLS, INC., New York, N. Y. Filed Apr. 2, 1937.

DOVELYKE

For Piece Goods of Cotton, Linen, Artificial and Natural Silk Goods, and Synthetic Textile (Rayon and Acetate) Fabrics, Plain, Colored, and Printed.
Claims use since Mar. 1, 1936.

Ser. No. 390,900. CLASSIC WEAVING CORP., North Bergen, N. J. Filed Apr. 3, 1937.



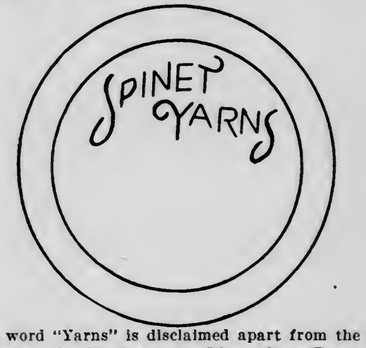
The words "Weaves" and "Upholstery and Drapery Fabrics" are disclaimed apart from the mark.
For Upholstery and Drapery Fabrics in the Piece, of Brocatelle, Damask, and Brocade, or Combinations of Said Materials of Silk, Rayon, Linen, and Cotton.
Claims use since June, 1930.

Ser. No. 390,931. MEADOX WEAVING CO., INC., West New York, N. J. Filed Apr. 3, 1937.

Meadox Weaves

The word "Weaves" is disclaimed apart from the mark.
For Brocatelle, Damask, and Brocade Fabrics of Silk, Rayon, Linen, and Cotton, in the Piece.
Claims use since January, 1925.

Ser. No. 390,952. DEERING MILLIKEN & CO., INC., New York, N. Y. Filed Apr. 5, 1937.



The word "Yarns" is disclaimed apart from the mark.
For Piece Goods of Acetate, Linen, Spun Rayon, Silk, Rayon, Cotton, Wool, and Blends of Any or All of These Materials.
Claims use since Feb. 23, 1937.

Ser. No. 391,019. DEVONSHIRE MILLS COMPANY, INC., New York, N. Y. Filed Apr. 7, 1937.

ENDURO

For Wide Goods in the Piece Made of Yarns Comprising Rayon and Cotton and Wide Elastic Goods in the Piece Made of Yarns Comprising Rubber and Cotton, Rubber and Rayon, and Rubber, Cotton, and Rayon.
Claims use on piece goods made of rayon and cotton since 1927, and on piece goods made of yarns comprising rubber and cotton, rubber and rayon, and rubber, cotton, and rayon since Feb. 10, 1937.

Ser. No. 391,118. EUREKA WOOLEN MILLS, INC., Eureka, Calif. Filed Apr. 9, 1937.

EUREKA FOGSPUNS

For Fabrics in the Piece Made of Wool and Redwood Bark Fibre, Wool and Cotton and Redwood Bark Fibre, Wool and Silk and Redwood Fibre, Wool and Artificial Silk and Redwood Fibre.
Claims use since August, 1936.

Ser. No. 391,426. THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 16, 1937.

CRESISTANT

For Piece Goods of Cotton, Linen, Worsted, Rayon, and Mixtures of the Same.
Claims use since Apr. 7, 1937.

Ser. No. 391,450. ALLIED STORES CORPORATION, doing business as The Bon Marche, Wilmington, Del., and Seattle, Wash. Filed Apr. 17, 1937.

BELLEAIR

For Sheets and Pillow Cases.
Claims use since Jan. 25, 1937.

Ser. No. 391,515. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Apr. 19, 1937.

Kurltex

For Pile Fabrics, in the Piece.
Claims use since Oct. 17, 1936.

Ser. No. 391,528. HABERMAN AND ROSENBERG, Los Angeles, Calif. Filed Apr. 19, 1937.

BÁSQULANE

For Woolen Piece Goods.
Claims use since Mar. 15, 1937.

CLASS 43

Thread and Yarn

Ser. No. 390,419. LILY MILLS COMPANY, Shelby, N. C. Filed Mar. 23, 1937.

SIL-TONE

For Crochet Yarn.
Claims use since Mar. 2, 1937.

Ser. No. 391,564. DRITZ-TRAUM COMPANY, INC., New York, N. Y. Filed Apr. 20, 1937.

HEIRLOOM

For Wool Yarn.
Claims use since September, 1936.

Ser. No. 391,568. DRITZ-TRAUM COMPANY, INC., New York, N. Y. Filed Apr. 20, 1937.

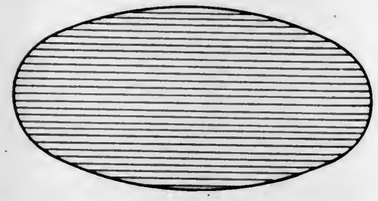
HIAWATHA

For Wool Yarn.
Claims use since January, 1932.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 366,440. THE SCHOLL MFG. CO., INC., New York, N. Y., and Chicago, Ill. Filed June 20, 1935.



The drawing is lined for blue.
For Foot Arch Supports, Metatarsal Arch Supports, Arch Pads, Insoles, Arch Binders, Ankle-Arch Supporters, Metatarsal Pads, Heel Supporters, Heel Cushions, Heel Straighteners, Heel Liners, Toe Straighteners, Toe Separators, Toe Correctors, Bunion Reducers, Bunion Protectors, Non-Medicated Corn Pads, Non-Medicated Foot Plasters, Adhesive Plasters, Adhesive Bandages, Corn and Callous Files.
Claims use since 1912.

Ser. No. 389,944. SONOTONE CORPORATION, New York, N. Y. Filed Mar. 11, 1937.

AUDIOSCOPE

For Devices for Fitting a Hearing-Aid to the Needs of a person of Impaired Hearing and the Elements and Accessories Thereof.
Claims use since Mar. 4, 1937.

Ser. No. 391,102. MARTIN STAUNT, doing business as Midwest Dental Mfg. Co., Chicago, Ill. Filed Apr. 9, 1937.

MD CO

For Dental Supplies—Namely, Hand Pieces for Dental Drills and Dental Replacement Gears.
Claims use since Sept. 30, 1935.

Ser. No. 391,314. PAUL GAIRE, JR., New York, N. Y. Filed Apr. 14, 1937.

KAPAKURL

For Permanent Wave Device.
Claims use since Mar. 29, 1937.

Ser. No. 391,360. ALVA JAMES VANCE, doing business as Vesco Co., Los Angeles, Calif. Filed Apr. 14, 1937.

NEUTRAFUME

For Apparatus for Effecting Separation of the Parts of Dentures.
Claims use since Mar. 7, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 388,587. THE MILLER BECKER CO., Cleveland, Ohio. Filed Feb. 5, 1937.

Four Aces

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Dec. 8, 1936.

Ser. No. 390,647. GRANDPA BRANDS COMPANY, Cincinnati, Ohio. Filed Mar. 29, 1937.

Fizz-ade

For Carbonated Soft Drink Concentrates.
Claims use since Jan. 4, 1937.

Ser. No. 391,531. FRANK HROBAK, Philadelphia, Pa. Filed Apr. 19, 1937.

Triple Action

For Lithiated Lemon Beverage Sold as a Soft Drink and Sirup and Extract for Making the same.
Claims use since Feb. 1, 1935.

Ser. No. 391,598. UNITED STATES PRODUCTS CORPORATION, LTD., San Jose, Calif. Filed Apr. 20, 1937.

SIGNET

For Fruit Juices for Beverage Purposes.
Claims use since Mar. 27, 1937.

Ser. No. 391,705. LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed Apr. 22, 1937.

LOGANBERRY DELIGHT

The word "Loganberry" is disclaimed except in the connection shown.
For Nonalcoholic Drink.
Claims use since Apr. 10, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 375,367. ABBOTTS DAIRIES, INCORPORATED, Philadelphia, Pa. Filed Feb. 29, 1936.



Homespun

The word "Homespun" is disclaimed apart from the mark.
For Candy.
Claims use since Nov. 14, 1934.

Ser. No. 376,395. F. C. PETERS, INC., Goulds, Fla. Filed Mar. 25, 1936.

FARSOUTH

For Potatoes.
Claims use since Feb. 19, 1936.

Ser. No. 376,616. J. S. WATERMAN & CO. INC., New Orleans, La. Filed Mar. 30, 1936.

WATCO

For Baking Powder, a Flavoring Extract for Flavoring Cakes, Canned Shrimp, Spice Cake Mix, Sponge Cake Mix, Canned Peas, and Imitation Fruit Jelly.
Claims use since Jan. 1, 1925.

Ser. No. 378,076. ARON HERSHEL, doing business as A. Hershel Canning Company, Stockton, Calif. Filed May 6, 1936.

Corina

For Tomato Paste and Concentrated Tomatoes.
Claims use since Sept. 1, 1930.

Ser. No. 381,036. JOE LOWE CORPORATION, New York, N. Y. Filed July 15, 1936.

PATTIE-SUNDAE

The word "Sundae" is disclaimed apart from the mark.
For Frozen Confections.
Claims use since June 24, 1936.

Ser. No. 382,100. NUTRITIONAL RESEARCH ASSOCIATES, INC., South Whitley, Ind. Filed Aug. 12, 1936.

CAREX

For Solution of Carrot Extract in Vegetable Oil, for Use in a Variety of Food Products Such as Salad Oils, Mayonnaise and Salad Dressings, Butter and Oleomargarine, Bread and Cakes, Noodles and Macaroni, and Similar Food Products.
Claims use since June 1, 1936.

Ser. No. 383,079. WESTERN CONDENSING CO., San Francisco, Calif. Filed Sept. 9, 1936.

Peeples'

For Process Reduced Milk in the Form of Dry Skim Milk, Condensed Milk Feed, and Dry Whey Feed for Pigs, All of Said Feed Being for Animal and Poultry Consumption.
Claims use since Mar. 15, 1930.

Ser. No. 387,936. ARIZONA CITRUS GROWERS, Phoenix, Ariz. Filed Jan 19, 1937.



The word "Sweet" is disclaimed except as shown.
For Fresh Citrus Fruit.
Claims use since 1924.

Ser. No. 388,261. CONSOLIDATED BADGER COOPERATIVE, Shawano, Wis. Filed Jan. 28, 1937.

Suncrest

For Evaporated Milk.
Claims use since July 6, 1936.

Ser. No. 388,484. SNYDER-FANCHER CO., Middletown, N. Y. Filed Feb. 4, 1937.

SNY-FAN

For Foods and Food Products—Namely, Canned Fruits and Vegetables, Canned Apple Sauce, Canned Cranberry Sauce, Canned Sauerkraut, Canned Orange Juice, Canned Grapefruit Juice, Canned Tomato Juice, Canned Shrimp, Canned Evaporated Milk, and Canned Dog Food.
Claims use since January, 1920.

Ser. No. 389,035. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Feb. 17, 1937.



AUNT JEMIMA CANDY

The word "Candy" is disclaimed apart from the mark. The picture is not that of any individual.
For Candy.
Claims use since Jan. 14, 1937.

Ser. No. 389,116. CITRUS CITY GROWERS ASSN., Largo, Fla. Filed Feb. 19, 1937.

BLACK STAR

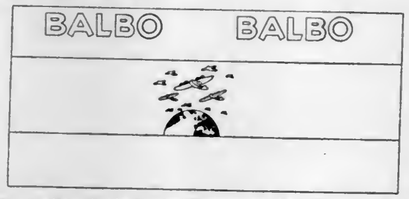
For Fresh Citrus Fruits.
Claims use since Dec. 21, 1936.

Ser. No. 389,118. CITRUS CITY GROWERS ASSN., Largo, Fla. Filed Feb. 19, 1937.

LONG LIFE

For Fresh Citrus Fruits.
Claims use since Dec. 21, 1936.

Ser. No. 389,343. ALTO PRODUCTS COMPANY, Philadelphia, Pa. Filed Feb. 25, 1937.



For Italian Style Peeled Tomatoes, and Tomato Paste.
Claims use since 1935.

Ser. No. 389,593. THE SEA GULL SPECIALTY COMPANY, Baltimore, Md. Filed Mar. 3, 1937.

RAPTURE

For Tea and Coffee.
Claims use since Feb. 17, 1937.

Ser. No. 389,859. MARTIN L. HALL COMPANY, Boston, Mass. Filed Mar. 8, 1937.

OLD BOSTON



COFFEE

The words "Old Boston" and "Coffee" are disclaimed apart from the mark.
For Coffee.
Claims use since Jan. 27, 1937.

Ser. No. 389,876. GREEN GYPSY PRODUCTS, Minneapolis, Minn. Filed Mar. 10, 1937.

GREEN GYPSY

For Bird Foods—Namely, Bird Seed, Canary Condition Mix, Color and Pepper Food, Song Restorer, Nestling Food, Moulting Food, and Vitamin Food.
Claims use since June, 1934.

Ser. No. 389,898. R. S. CALLEN, Los Angeles, Calif. Filed Mar. 10, 1937.

IMPS

For Honey, Orange Marmalade, Currant Jelly, Preserved Cherries, Preserved Strawberries, Sweet Midget Pickles, Holland Onions Pickled, Stuffed Spanish Olives.
Claims use since Jan. 1, 1937.

Ser. No. 390,292. THE UNION FOOD PRODUCTS CO., Greenville, Ohio. Filed Mar. 19, 1937.



For Peanut Butter, Prepared Mustard, and Tomato Ketchup.
Claims use since Jan. 18, 1937.

Ser. No. 390,354. CIRCLE FOODS, INC., New York, N. Y. Filed Mar. 22, 1937.



The wording "Chocolate Flavored Malted Milk" is disclaimed apart from the mark.
For Chocolate Flavored Malted Milk Powder.
Claims use since Dec. 26, 1935.

Ser. No. 390,386. SOUTHWEST FRUIT GROWERS INC., Phoenix, Ariz. Filed Mar. 22, 1937.

Arizona DESERT STAR

For Fresh Citrus Fruit and Canned Citrus Fruit Juices for Food Purposes.
Claims use since Oct. 28, 1935.

Ser. No. 390,661. MED-O-MIST MUSHROOM COMPANY, Drayton Plains, Mich. Filed Mar. 29, 1937.

MED-O-MIST

For Fresh Mushrooms.
Claims use since Jan. 4, 1937.

Ser. No. 390,780. DORAL FOOD PRODUCTS CO., INC., New York, N. Y. Filed Apr. 1, 1937.



For Chocolate Flavored Malted Milk Powder for Use in Making Food Beverages.
Claims use since January, 1934.

Ser. No. 390,781. CHARLES H. DUNNING, Phoenix, Ariz. Filed Apr. 1, 1937.

ARIZONA DESERT SUPREME

For Fresh Citrus Fruits and Fresh Dates, and Canned Fruit Juices.
Claims use since Oct. 15, 1931.

Ser. No. 390,927. THE LEVERING COFFEE COMPANY, Baltimore, Md. Filed Apr. 3, 1937.

TOURIST

For Tea.
Claims use since July 1, 1904.

Ser. No. 391,155. WM. J. STANGE CO., Chicago, Ill. Filed Apr. 9, 1937.

D. E. N. S.

For Spices.
Claims use since Apr. 2, 1937.

Ser. No. 391,247. SHAKER GROVE DAIRY, INC., Cleveland, Ohio. Filed Apr. 12, 1937.

PAK-O-JOY

For Ice Cream.
Claims use since Jan. 15, 1937.

Ser. No. 391,262. M. H. GREENEBAUM, INC., New York, N. Y. Filed Apr. 13, 1937.

FIN-FURTER

For Sausages of the Frankfurter Variety.
Claims use since Apr. 8, 1937.

Ser. No. 391,463. DIEBERT BROS. & SNYDER, Biola and Fresno, Calif. Filed Apr. 17, 1937.

Diebert's D.B.

For Raisins.
Claims use since 1928.

Ser. No. 391,464. DIEBERT BROS. & SNYDER, Biola and Fresno, Calif. Filed Apr. 17, 1937.

MR. RINKLY

For Raisins.
Claims use since Mar. 17, 1937.

Ser. No. 391,569. ALBERT EHLERS, INC., Brooklyn, N. Y. Filed Apr. 20, 1937.



For Tea.
Claims use since April, 1934.

Ser. No. 391,717. WESTERN MILLING CO., Pendleton, Oreg. Filed Apr. 22, 1937.



For Wheat Flour.
Claims use since May 10, 1927.

Ser. No. 391,721. WESTERN MILLING CO., Pendleton, Oreg. Filed Apr. 22, 1937.

SERVO

For Wheat Flour.
Claims use since Oct. 8, 1925.

Ser. No. 391,722. WESTERN MILLING CO., Pendleton, Oreg. Filed Apr. 22, 1937.



For Wheat Flour.
Claims use since Mar. 5, 1926.

Ser. No. 391,724. WESTERN MILLING CO., Pendleton, Oreg. Filed Apr. 22, 1937.



For Wheat Flour.
Claims use since Mar. 21, 1928.

Ser. No. 391,725. WESTERN MILLING CO., Pendleton, Oreg. Filed Apr. 22, 1937.



For Wheat Flour.
Claims use since Feb. 3, 1927.

Ser. No. 391,797. AUSTIN DOG BREAD & ANIMAL FOOD COMPANY, Chelsea, Mass. Filed Apr. 24, 1937. Under 10-year proviso.

AUSTIN'S DOG BREAD

For Food for Domesticated Carnivorous Animals.
Claims use since 1873.

Ser. No. 391,970. PIRU CITRUS ASSOCIATION, Piru, Calif. Filed Apr. 28, 1937.

TRIAD

For Fresh Citrus Fruits—Namely, Oranges.
Claims use since Feb. 26, 1937.

CLASS 47

Wines

Ser. No. 391,041. SCHROEDER BROS., INC., New York, N. Y. Filed Apr. 7, 1937.

Bodegas del Mundo Nuevo

For Sherry.
Claims use since Dec. 27, 1935.

Ser. No. 391,487. PADRE VINEYARD CO., Los Angeles, Calif. Filed Apr. 17, 1937.

STIRRUP-CUP

For Wines.
Claims use since Mar. 19, 1937.

Ser. No. 391,501. GIOVANNI VAI, doing business as Cucamonga Valley Wine Co., Los Angeles and Ontario, Calif. Filed Apr. 17, 1937.

Glorieta

For Wines.
Claims use since Nov. 9, 1936.

Ser. No. 391,502. GIOVANNI VAI, doing business as Cucamonga Valley Wine Co., Los Angeles and Ontario, Calif. Filed Apr. 17, 1937.

MIRALINDA

For Wines.
Claims use since Nov. 9, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 392,083. CENTLIVRE BREWING CORPORATION, Fort Wayne, Ind. Filed Apr. 30, 1937.



"Little Nick"

For Beer.
Claims use since Oct. 1, 1936.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 390,526. THE NEW ENGLAND DISTILLING COMPANY, Covington, Ky. Filed Mar. 25, 1937.



For Rum.
Claims use since 1885.

Ser. No. 391,488. PADRE VINEYARD CO., Los Angeles, Calif. Filed Apr. 17, 1937.

STIRRUP-CUP

For Brandy.
Claims use since Mar. 19, 1937.

Ser. No. 391,499. UNITED LIQUOR PACKAGE DEALERS OF MASSACHUSETTS, INC., Cambridge, Mass. Filed Apr. 17, 1937.

Honeydale

For Whiskey.
Claims use since Feb. 1, 1937.

Ser. No. 391,856. DISTILLERIE STOCK S. A., Trieste, Italy. Filed Apr. 26, 1937.

STOCK



The words "Italian Brandy" are disclaimed apart from the mark.
For Cognac and Brandy.
Claims use since November, 1935.

Ser. No. 392,364. FAMOUS DISTRIBUTING CORPORATION, New York, N. Y. Filed May 6, 1937.

Special "39"

For Whiskey, Gin, Cordials, and Rum.
Claims use since February, 1937.

Ser. No. 392,430. KINSEY DISTILLING COMPANY, INC., Philadelphia, Pa. Filed May 7, 1937.

STONE CABIN

For Whiskey.
Claims use since Dec. 18, 1936.

Ser. No 392,433. LIQUOR DEALERS SUPPLY CO., Chicago, Ill. Filed May 7, 1937.

OLD STONE HOUSE

For Whiskey.
Claims use since August, 1935.

Ser. No. 392,507. STITZEL WELLER DISTILLERY INCORPORATED, Louisville, Ky. Filed May 8, 1937.

BIT O' KENTUCKY

For Whiskey.
Claims use since Oct. 17, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 390,417. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Mar. 23, 1937.

KLEEN - A - PAD

The words "Kleen" and "Pad" are disclaimed apart from the mark.
For Play-Pen Rugs, High Chair Pads, Nursery Chair Pads, Scale Pads, Basket Pads, and Table Training Chair Pad, Made of Waterproofed or Rubberized Fabrics.
Claims use since Mar. 16, 1932.

Ser. No. 390,787. THE HERKIMER FIBRE COMPANY, New York, N. Y. Filed Apr. 1, 1937.

HERKOLITE

HEELING

The word "Heeling" is disclaimed apart from the mark.
For Leatherboard.
Claims use since Jan. 26, 1937.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 15, 1937

346,906. MELTING, METALLURGICAL, AND HEATING FURNACES, AND LIQUID FUEL BURNING DEVICES FOR SUCH FURNACES. United Furnace Engineering Company, Inc., New York, N. Y.
Filed April 4, 1933. Serial No. 336,410. PUBLISHED SEPTEMBER 12, 1933. Class 34.

346,907. GAUZE IN THE PIECE AND IN PACKAGED FORM. The Kendall Company, Walpole, Mass.
Filed December 5, 1934. Serial No. 358,934. PUBLISHED APRIL 6, 1937. Class 42.

346,908. PAPER USED AS A BASIS FOR WAX COATING AND WAX PAPER. Port Huron Sulphite & Paper Co., Port Huron, Mich.
Filed December 7, 1934. Serial No. 359,052. PUBLISHED APRIL 23, 1935. Class 37.

346,909. ENGINE CYLINDER SLEEVES. Wisconsin Machinery & Manufacturing Co., West Allis, Wis.
Filed January 3, 1935. Serial No. 359,882. PUBLISHED APRIL 6, 1937. Class 23.

346,910. ALIMENTARY PASTES, BUTTER, CANDIES, MARASCHINO CHERRIES, CANDIED ORANGE AND CITRUS PEEL, GLACE FRUITS, CANNED FRUITS, ETC. Jaburg Brothers, Incorporated, New York, N. Y.
Filed March 6, 1935. Serial No. 362,177. PUBLISHED MARCH 30, 1937. Class 46.

346,911. CHOCOLATE. Cuba Industrial y Comercial, S. A., Habana, Cuba.
Filed April 4, 1935. Serial No. 363,386. PUBLISHED APRIL 6, 1937. Class 46.

346,912. MATERIAL IN THE FORM OF SHEETS, FILMS OR FOILS SUITABLE FOR USE IN THE MANUFACTURE OF ORNAMENTAL AND DECORATIVE ARTICLES OR SURFACES. Celluloid Corporation, Newark, N. J.
Filed August 17, 1935. Serial No. 368,398. PUBLISHED APRIL 6, 1937. Class 1.

346,913. GENERATOR OUTPUT CONTROLS, THE GENERATOR OUTPUT CONTROLS BEING DEVICES FOR ADVANCING, RETARDING, OR REGULATING THE PRODUCTION OF ELECTRIC CURRENT BY A GENERATOR. Leterstone Sales Company, Chicago, Ill.
Filed September 20, 1935. Serial No. 369,539. PUBLISHED APRIL 6, 1937. Class 21.

346,914. NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS. Consolidated Beverages Limited, Toronto, Ontario, Canada.
Filed October 28, 1935. Serial No. 370,869. PUBLISHED APRIL 28, 1936. Class 45.

346,915. CHERRIES IN GLASS CONTAINERS. Fruit Products Corporation, Belleville, N. J.
Filed December 10, 1935. Serial No. 372,471. PUBLISHED APRIL 6, 1937. Class 46.

346,916. SHOES MADE OF LEATHER AND FABRIC OR COMBINATIONS THEREOF. Bonwit Teller, Inc., New York, N. Y.
Filed January 23, 1936. Serial No. 373,994. PUBLISHED APRIL 6, 1937. Class 39.

346,917. HEAD AND SWEAT BAND PROTECTORS FOR HATS AND CAPS AND HEADWEAR GENERALLY FOR MEN, WOMEN, AND CHILDREN. Gards Manufacturing Co., Inc., New York, N. Y.
Filed January 29, 1936. Serial No. 374,239. PUBLISHED MARCH 30, 1937. Class 39.

346,918. MEN'S SUITS. Chester Barrie, Inc., New York, N. Y.
Filed January 31, 1936. Serial No. 374,320. PUBLISHED APRIL 6, 1937. Class 39.

346,919. WOMEN'S AND CHILDREN'S HATS AND HAT BODIES. Merrimac Hat Corporation, New York, N. Y.
Filed February 3, 1936. Serial No. 374,422. PUBLISHED MARCH 23, 1937. Class 39.

346,920. SPLIT DRIVE POWER TAKE OFF FOR OPERATING PORTABLE EQUIPMENT ON MOTOR VEHICLES. The Galion Metallic Vault Company, doing business as Hercules Steel Products Company, Galion, Ohio.
Filed February 10, 1936. Serial No. 374,659. PUBLISHED APRIL 6, 1937. Class 23.

346,921. VITREOUS PORCELAIN BATHROOM AND KITCHEN WALL FIXTURES. Technical Porcelain and Tile Company, El Cerrito, Calif.
Filed March 7, 1936. Serial No. 375,736. PUBLISHED APRIL 6, 1937. Class 13.

346,922. SOFAS, SETTEES, CLUB CHAIRS, LOUNGING CHAIRS, STUDIO COUCHES, DAY BEDS, OTTOMANS, LOUNGES, BOUDOIR CHAIRS, ETC. Reimann & Bresse, Inc., New York, N. Y.
Filed April 7, 1936. Serial No. 376,918. PUBLISHED JULY 7, 1936. Class 32.

346,923. TYPEWRITING MACHINES AND PARTS OF THE SAME. E. Paillard & Cie, Société Anonyme, Yverdon, Switzerland.
Filed April 15, 1936. Serial No. 377,229. PUBLISHED APRIL 6, 1937. Class 23.

346,924. MEN'S HATS. Harris Polk Hat Company, St. Louis, Mo.
Filed May 15, 1936. Serial No. 378,495. PUBLISHED OCTOBER 6, 1936. Class 39.

346,925. KNITTING PINS AND CROCHET HOOKS FOR HAND USE. The English Needle & Fishing Tackle Co. Ltd., Studley, England.
Filed June 1, 1936. Serial No. 379,087. PUBLISHED MARCH 30, 1937. Class 40.

346,926. FEATURE PAGE OR COLUMN OF A WEEKLY PERIODICAL. Scholastic Corporation, Pittsburgh, Pa.
Filed June 4, 1936. Serial No. 379,315. PUBLISHED MARCH 30, 1937. Class 38.

346,927. ICE CREAM, SHERBETS, AND MOUSSES. United Farmers Cooperative Creamery Association, Inc., Morristown, (Morrisville), Vt.
Filed June 11, 1936. Serial No. 379,499. PUBLISHED MARCH 30, 1937. Class 46.

346,928. SALAD DRESSING. Old Monk Olive Oil Co., Chicago, Ill.
Filed June 18, 1936. Serial No. 379,898. PUBLISHED MARCH 30, 1937. Class 46.

346,929. CREMATION FURNACES FOR CREMATING HUMAN BODIES. J. J. Bleitz, Seattle, Wash.
Filed June 27, 1936. Serial No. 380,338. PUBLISHED APRIL 6, 1937. Class 34.

346,930. SHOE HEELS. Vulcan Corporation, Portsmouth, Ohio.
Filed June 30, 1936. Serial No. 380,468. PUBLISHED MARCH 23, 1937. Class 39.

CARNEGIE LIBRARY OF ATLANTA

346,931. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. Harry L. Ain, New York, N. Y.
Filed July 8, 1936. Serial No. 380,735. PUBLISHED APRIL 6, 1937. Class 44.

346,932. RADIO RECEIVING SETS, MORE PARTICULARLY FOR USE IN AUTOMOTIVE VEHICLES. Triangle Electric Co., Chicago, Ill.
Filed July 8, 1936. Serial No. 380,809. PUBLISHED APRIL 6, 1937. Class 21.

346,933. MEN'S, WOMEN'S, AND CHILDREN'S HATS, SLIPS, NECKTIES, HANDKERCHIEFS, HOSE, BLOUSES, NEGLIGEES, MEN'S LOUNGING ROBES, EVENING WRAPS, COLLARS, PAJAMAS, MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS, SCARFS, AND SCARF COLLARS. Bloomingdale Bros., Inc., New York, N. Y.
Filed July 13, 1936. Serial No. 380,942. PUBLISHED OCTOBER 27, 1936. Class 39.

346,934. WHEAT FLOUR. Robinson-McCaw Mills, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw.
Filed July 13, 1936. Serial No. 381,096. PUBLISHED APRIL 6, 1937. Class 46.

346,935. WHEAT FLOUR. Robinson-McCaw Mills, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw.
Filed July 13, 1936. Serial No. 381,098. PUBLISHED APRIL 6, 1937. Class 46.

346,936. ROLLS AND PELLETS OF COTTON WOOL FOR DENTAL USE, HARDENING AND SOLDERING MATERIALS FOR DENTAL PURPOSES, MOULDING MATERIAL FOR DENTAL PURPOSES, MATERIAL FOR FILLING TEETH, ENAMEL GOODS FOR DENTAL PURPOSES, MEDICAL, HYGIENIC APPARATUS, INSTRUMENTS, AND FITTINGS, BANDAGES, ARTIFICIAL TEETH. Franz Hesse, doing business as R. Froeschke & Co., Berlin-Neukolln, Germany.
Filed August 4, 1936. Serial No. 381,805. PUBLISHED APRIL 6, 1937. Class 44.

346,937. PERMANENT HAIR WAVE PADS, SPACERS, CURLING RODS, HEATERS, AND MACHINES. Bonat & Bonat, Inc., New York, N. Y.
Filed August 6, 1936. Serial No. 381,861. PUBLISHED APRIL 6, 1937. Class 44.

346,938. GOLF BALL SUPPORTS OR TEES. Ray Belmont Whitman, New York, N. Y.
Filed August 6, 1936. Serial No. 381,889. PUBLISHED APRIL 6, 1937. Class 22.

346,939. CRANKSHAFTS FOR ENGINES. The Ohio Crankshaft Company, Cleveland, Ohio.
Filed August 13, 1936. Serial No. 382,136. PUBLISHED APRIL 6, 1937. Class 23.

346,940. WHEAT FLOUR. Robinson-McCaw Mills, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw.
Filed August 17, 1936. Serial No. 382,277. PUBLISHED APRIL 6, 1937. Class 46.

346,941. WHEAT FLOUR. Robinson-McCaw Mills, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw.
Filed August 17, 1936. Serial No. 382,278. PUBLISHED APRIL 6, 1937. Class 46.

346,942. WHEAT FLOUR. Robinson-McCaw Mills, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw.
Filed August 17, 1936. Serial No. 382,279. PUBLISHED APRIL 6, 1937. Class 46.

346,943. WHEAT FLOUR. Robinson-McCaw Mills, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw.
Filed August 17, 1936. Serial No. 382,280. PUBLISHED APRIL 6, 1937. Class 46.

346,944. SHOES, SLIPPERS, AND BOOTS OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, SPATS, HEELS, AND SHOE FINDINGS—NAMELY, INNER AND OUTER SOLES, UPPERS, TONGUES, AND TOE CAPS. Murray M. Rosenberg, Inc., New York, N. Y.
Filed August 19, 1936. Serial No. 382,360. PUBLISHED MARCH 30, 1937. Class 39.

346,945. ROOF COATING CONSISTING PRINCIPALLY OF ASPHALT AND ASBESTOS FIBRE, ROOF CEMENT, AND ROOFING PAPERS. Schecter Brothers Company, Philadelphia, Pa.
Filed August 20, 1936. Serial No. 382,395. PUBLISHED APRIL 6, 1937. Class 12.

346,946. MEN'S AND BOYS' HATS AND CAPS. John B. Stetson Company, Philadelphia, Pa.
Filed August 27, 1936. Serial No. 382,638. PUBLISHED NOVEMBER 24, 1936. Class 39.

346,947. MEN'S, WOMEN'S, AND CHILDREN'S SALVAGED WEARING APPAREL—NAMELY, HATS, HOSIERY, SUITS, DRESSES, NECKTIES, GARMENT SUPPORTERS, SUCH AS BELTS FOR OUTER WEAR, SUSPENDERS, AND GARTERS, UNION SUITS, SHORTS, ETC. Save-Sum Stores, Incorporated, Houston, Tex.
Filed August 31, 1936. Serial No. 382,770. PUBLISHED MARCH 30, 1937. Class 39.

346,948. MEN'S, YOUNG MEN'S, BOYS', AND CHILDREN'S WEARING APPAREL—NAMELY, SUITS, COATS, VESTS, TROUSERS, KNICKERS, ETC. Schloss Bros. & Co., Inc., Baltimore, Md.
Filed August 31, 1936. Serial No. 382,773. PUBLISHED APRIL 6, 1937. Class 39.

346,949. BREAD COMPOSED OF VEGETABLE EXTRACT FLOUR AND GENERAL 100% WHOLE WHEAT FLOUR. Dia-Tonic Co., Union City, N. J.
Filed September 3, 1936. Serial No. 382,866. PUBLISHED APRIL 6, 1937. Class 46.

346,950. SKIN MASSAGER. Skin Charm Massager, Inc., Memphis, Tenn.
Filed September 10, 1936. Serial No. 383,106. PUBLISHED APRIL 6, 1937. Class 44.

346,951. LIQUID FOR USE IN WETTING RUBBER SEALING ELEMENTS TO PROMOTE AND ASSURE QUICK AND PERMANENT ASSEMBLY THEREOF IN CONDUIT CONNECTIONS OF THE BELL AND SPIGOT TYPE. The B. F. Goodrich Company, New York, N. Y.
Filed September 17, 1936. Serial No. 383,355. PUBLISHED MARCH 30, 1937. Class 12.

346,952. MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF LEATHER OR FABRIC AND COMBINATIONS THEREOF. Eisendrath Glove Co., New York, N. Y.
Filed September 23, 1936. Serial No. 383,519. PUBLISHED DECEMBER 1, 1936. Class 39.

346,953. PIECE GOODS OF WOOLEN AND WORSTED WOVEN AND KNITTED FABRICS AND FABRICS OF RAYON, LINEN, AND COMBINATIONS OF THESE MATERIALS, ALL OF THESE MATERIALS HAVING A WOOLEN WEB. Josef Knitted Fabrics, Inc., New York, N. Y.
Filed September 23, 1936. Serial No. 383,531. PUBLISHED MARCH 30, 1937. Class 42.

346,954. WOMEN'S SHOES OF LEATHER OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo.
Filed September 25, 1936. Serial No. 383,625. PUBLISHED DECEMBER 1, 1936. Class 39.

346,955. WOMEN'S SHOES OF LEATHER OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo.
Filed September 25, 1936. Serial No. 383,626. PUBLISHED DECEMBER 1, 1936. Class 39.

346,956. LACE AND TULLE OF NATURAL SILK, RAYON, COTTON, OR OTHER TEXTILES IN THE PIECE. PIERRE ROUSSILLON, Villeurbanne, France.
Filed September 28, 1936. Serial No. 383,704. PUBLISHED APRIL 6, 1937. Class 42.

346,957. SAUSAGES. H. C. BOHACK CO., INC., New York, N. Y.
Filed September 28, 1936. Serial No. 383,715. PUBLISHED APRIL 6, 1937. Class 46.

346,958. PHOTO PRINTS. R. D. S. PHOTO PRINT SERVICE, INC., New York, N. Y.
Filed October 1, 1936. Serial No. 384,106. PUBLISHED APRIL 6, 1937. Class 38.

346,959. TEXTILE FABRICS—NAMELY, SILK, RAYON, AND ACETATE PIECE GOODS, BOTH PRINTED AND PLAIN. MARTIN WEINER, doing business as Martin Weiner Co., New York, N. Y.
Filed October 9, 1936. Serial No. 384,174. PUBLISHED APRIL 6, 1937. Class 42.

346,960. PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME. EQUIPMENT NEWS, INC., Chicago, Ill.
Filed October 10, 1936. Serial No. 384,202. PUBLISHED DECEMBER 15, 1936. Class 38.

346,961. BOOK ENDS. GEORGE B. COLLIS, doing business as Armor Bronze Company, Taunton, Mass.
Filed October 15, 1936. Serial No. 384,371. PUBLISHED APRIL 6, 1937. Class 32.

346,962. ETHYL ALCOHOL TO BE USED FOR DISTILLED ALCOHOLIC LIQUORS. NEW ORLEANS ALCOHOL AND DISTILLING CORPORATION, New Orleans, La.
Filed October 16, 1936. Serial No. 384,430. PUBLISHED APRIL 6, 1937. Class 49.

346,963. SECTION WITHIN A MONTHLY PUBLICATION. CONSOLIDATED PUBLISHING COMPANY, Seattle, Wash.
Filed October 24, 1936. Serial No. 384,735. PUBLISHED MARCH 30, 1937. Class 38.

346,964. LADIES' HATS. MILSHAP HATS, INC., New York, N. Y.
Filed October 27, 1936. Serial No. 384,857. PUBLISHED MARCH 30, 1937. Class 39.

346,965. CHILDREN'S LEGGINS, AND COMBINED LEGGINS AND COAT SETS. FISCHERS KIDDIE COAT CORP., New York, N. Y.
Filed October 29, 1936. Serial No. 384,923. PUBLISHED MARCH 30, 1937. Class 39.

346,966. RICE. GANGJEE SAJUN & Co., Calcutta, India.
Filed October 31, 1936. Serial No. 385,009. PUBLISHED APRIL 6, 1937. Class 46.

346,967. MACHINE FOR PRODUCING A SUBSTITUTE SUPPLY OF ELECTRIC CURRENT UPON THE INTERRUPTION OF THE USUAL OR REGULAR SOURCE OF ELECTRIC CURRENT SUPPLY. GENERAL EMERGENCY LIGHTING CORPORATION, Philadelphia, Pa.
Filed November 11, 1936. Serial No. 385,396. PUBLISHED APRIL 6, 1937. Class 21.

346,968. GLOVES OF LEATHER, FABRIC, AND/OR COMBINATIONS OF THE SAME. ACME GLOVE CORPORATION, Gloversville, N. Y.
Filed November 12, 1936. Serial No. 385,431. PUBLISHED JANUARY 19, 1937. Class 39.

346,969. WRAPPING PAPER. DETROIT SULPHITE PULP & PAPER CO., Detroit, Mich.
Filed November 16, 1936. Serial No. 385,567. PUBLISHED APRIL 6, 1937. Class 37.

346,970. MONTHLY PUBLICATION WHOSE SUBJECT MATTER COVERS ECONOMIC, SOCIAL, AND TECHNOLOGICAL CONDITIONS, DEVELOPMENTS, AND TRENDS. TRENDS PUBLISHING COMPANY, Chicago, Ill.
Filed November 16, 1936. Serial No. 385,612. PUBLISHED MARCH 30, 1937. Class 38.

346,971. STOCK FEEDS. ALBERS BROS. MILLING CO., Portland, Oreg.; San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Calif.; and Seattle, Tacoma, and Spokane, Wash.
Filed November 17, 1936. Serial No. 385,620. PUBLISHED APRIL 6, 1937. Class 46.

346,972. COAL. SOUTHERN COAL COMPANY, INC., Memphis, Tenn.
Filed November 18, 1936. Serial No. 385,680. PUBLISHED APRIL 6, 1937. Class 1.

346,973. CIGARS. HAROLD L. HUDSON, Westfield, Mass.
Filed November 19, 1936. Serial No. 385,732. PUBLISHED APRIL 6, 1937. Class 17.

346,974. CONCENTRATED FRUIT FLAVORS FOR USE IN PREPARING SHERBETS. E. B. MOSHIER, doing business as The Instant Products Manufacturing Company, Omaha, Nebr.
Filed November 19, 1936. Serial No. 385,742. PUBLISHED MARCH 30, 1937. Class 46.

346,975. AN EMPTY KIT FOR TOILET ARTICLES. R. C. WHITTINGHILL, New York, N. Y.
Filed November 19, 1936. Serial No. 385,765. PUBLISHED APRIL 6, 1937. Class 2.

346,976. WHITE AND COLORED SHEET, CARD, STRIP, AND ROLL PAPER FOR THE PURPOSES OF PRINTING, WRITING, DRAWING, TRACING, BLOTTING, WRAPPING, SEALING, ETC. RAYMOND J. CHEESMAN, Washington, D. C.
Filed November 21, 1936. Serial No. 385,827. PUBLISHED MARCH 16, 1937. Class 37.

346,977. METAL SHIPPING AND STORING PAILS, DRUMS, AND BARRELS OF THE REMOVABLE HEAD TYPE. THE NATIONAL STEEL BARREL COMPANY, Cleveland, Ohio.
Filed November 23, 1936. Serial No. 385,897. PUBLISHED APRIL 6, 1937. Class 2.

346,978. MONTHLY MAGAZINE. ROLLER FANCIERS CORPORATION, Kansas City, Mo.; Chicago, Ill.; San Francisco, Calif.; London, England; Vancouver, British Columbia, Canada; and Leipzig, Germany.
Filed November 23, 1936. Serial No. 385,904. PUBLISHED MARCH 30, 1937. Class 38.

346,979. MAGAZINE FOR THE MILITARY SERVICE. THE MILITARY SERVICE PUBLISHING COMPANY, Harrisburg, Pa.
Filed November 24, 1936. Serial No. 385,958. PUBLISHED MARCH 30, 1937. Class 38.

346,980. DENTAL RESTORATIONS. WASHINGTON DENTAL COMPANY, Washington, D. C.
Filed November 28, 1936. Serial No. 386,087. PUBLISHED APRIL 6, 1937. Class 44.

346,981. SOLUTION USED IN THE TREATMENT OF ASTHMA AND HAY FEVER. VAPO-EFRIN COMPANY, INC., Portland, Oreg.
Filed November 30, 1936. Serial No. 386,133. PUBLISHED FEBRUARY 9, 1937. Class 6.

346,982. GOLF BAGS, FISHING-ROD CASES, TENNIS RACKET CASES, BASEBALL-BAT BAGS, SKATE-SAILS, AX-SHEATHS, KNIFE-SHEATHS, FISHING RODS, ETC. ABERCROMBIE & FITCH COMPANY, New York, N. Y.
Filed December 1, 1936. Serial No. 386,140. PUBLISHED APRIL 6, 1937. Class 22.

346,983. HEATING PADS. GEORGE J. YORE, doing business as George J. Yore and Company, Chicago, Ill.
Filed December 4, 1936. Serial No. 386,327. PUBLISHED APRIL 6, 1937. Class 44.

346,984. WHISKY. THE BUCKINGHAM CORPORATION, New York, N. Y.
Filed December 5, 1936. Serial No. 386,359. PUBLISHED APRIL 6, 1937. Class 49.

346,985. CANNED FISH, AND PARTICULARLY SMOKED SARDINES. A/S EINAR HAUSVIK & Co., Bergen, Norway.
Filed December 7, 1936. Serial No. 386,391. PUBLISHED APRIL 6, 1937. Class 46.

346,986. LADIES' HATS. DEBWAY HATS, INC., New York, N. Y.
Filed December 7, 1936. Serial No. 386,413. PUBLISHED MARCH 30, 1937. Class 39.

346,987. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 8, 1936. Serial No. 386,470. PUBLISHED APRIL 6, 1937. Class 17.

346,988. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,515. PUBLISHED APRIL 6, 1937. Class 17.

346,989. WIRE SPRINGS AND SPRING CONSTRUCTION FOR SEATS, DAVENPORTS, CHAIRS, RAILWAY PASSENGER CAR CHAIRS, AND AUTOMOBILE- TRUCK- AND BUS CHAIRS AND SEATS. EDWARD ARONS, Cleveland, Ohio.
Filed December 10, 1936. Serial No. 386,576. PUBLISHED APRIL 6, 1937. Class 32.

346,990. MONTHLY PUBLICATION CONTAINING LEGAL DECISIONS OR DIGESTS THEREOF, ASSIGNMENT OF JUSTICES, CALENDAR FOR APPEALS, AND OTHER SUBJECT MATTER OF GENERAL INTEREST TO LAWYERS. THE ALPERT PRESS, Brooklyn, N. Y.
Filed December 14, 1936. Serial No. 386,712. PUBLISHED APRIL 6, 1937. Class 38.

346,991. SHOES OF LEATHER AND FABRIC AND A COMBINATION OF THESE MATERIALS. ORTHOPEDIC SHOES, INC., Portsmouth, Ohio.
Filed December 14, 1936. Serial No. 386,739. PUBLISHED MARCH 30, 1937. Class 39.

346,992. RADIO RECEIVING SETS OF THE TYPE EQUIPPED WITH CATHODE RAY TUBES FOR RESONANCE INDICATION, ETC. RCA MANUFACTURING COMPANY, INC., Camden, N. J.
Filed December 15, 1936. Serial No. 386,777. PUBLISHED APRIL 6, 1937. Class 21.

346,993. PREPARED VEGETABLE PRODUCT FOR HUMAN CONSUMPTION AND AS A SUPPLEMENT TO DIETS WHICH ARE DEFICIENT IN BULK FORMING SUBSTANCES. RALSTON PURINA COMPANY, St. Louis, Mo.
Filed December 16, 1936. Serial No. 386,818. PUBLISHED MARCH 30, 1937. Class 46.

346,994. REFRIGERATORS FOR THE PRESERVATION OF FOODSTUFFS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed December 17, 1936. Serial No. 386,879. PUBLISHED APRIL 6, 1937. Class 31.

346,995. HIGH COUNT, LIGHT WEIGHT COTTON FABRICS DYED AND WATERPROOFED FOR SPORT AND OUTDOOR CLOTHING PURPOSES, IN THE PIECE. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y.
Filed December 19, 1936. Serial No. 386,925. PUBLISHED APRIL 6, 1937. Class 50.

346,996. IMPORTED GIN. THE BUCKINGHAM CORPORATION, New York, N. Y.
Filed December 19, 1936. Serial No. 386,933. PUBLISHED APRIL 6, 1937. Class 49.

346,997. BOLTING CLOTH. ETABLISSEMENTS TRIPETTE & RENAUD FILS, SOCIÉTÉ ANONYME, Paris, France.
Filed December 19, 1936. Serial No. 386,937. PUBLISHED APRIL 6, 1937. Class 42.

346,998. PRINTING PLATES, ENGRAVING PLATES, RUBBER COMPOSITION PRINTING PLATES, RUBBER COMPOSITION ENGRAVING PLATES, STEEL PRINTING PLATES, STEEL ENGRAVING PLATES, WOOD CUTS, AND DIES. PARA-FLEX PLATE CORPORATION, New York, N. Y.
Filed December 21, 1936. Serial No. 387,006. PUBLISHED APRIL 6, 1937. Class 50.

346,999. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed December 22, 1936. Serial No. 387,039. PUBLISHED MARCH 23, 1937. Class 39.

347,000. LUBRICATING OILS AND GREASES. VALVOLINE OIL COMPANY, Cincinnati, Ohio, and New York, N. Y.
Filed December 23, 1936. Serial No. 387,095. PUBLISHED MARCH 23, 1937. Class 15.

347,001. MECHANICAL SEWER SWEEP. GEORGE H. WERFELMAN, doing business as The Geo. H. Werfelman Co., Los Angeles, Calif.
Filed December 23, 1936. Serial No. 387,096. PUBLISHED APRIL 6, 1937. Class 23.

347,002. COFFEE. TINDALL, KOLBE & MCDOWELL CO., Milwaukee, Wis.
Filed December 24, 1936. Serial No. 387,149. PUBLISHED MARCH 30, 1937. Class 46.

347,003. INNER SOLES FOR SHOES AND FOOTWEAR. ERNEST J. KUHNE, Santa Ana, Calif.
Filed December 29, 1936. Serial No. 387,248. PUBLISHED MARCH 30, 1937. Class 39.

347,004. CANNED SALMON. ANNETTE ISLAND CANNING CO., Ketchikan, Territory of Alaska, and Seattle, Wash.
Filed December 30, 1936. Serial No. 387,260. PUBLISHED MARCH 30, 1937. Class 46.

347,005. FILE CABINETS, DRAWERS, AND PARTS THEREOF. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y.
Filed January 2, 1937. Serial No. 387,414. PUBLISHED APRIL 6, 1937. Class 32.

347,006. DEHYDRATED VEGETABLE CARBOHYDRATE FOOD PRODUCT FOR HUMAN CONSUMPTION. THE WANDER COMPANY, Chicago, Ill.
Filed January 2, 1937. Serial No. 387,415. PUBLISHED MARCH 30, 1937. Class 46.

347,007. WHEAT FLOUR. THE ACME FLOUR MILLS CO., Oklahoma City, Okla.
Filed January 4, 1937. Serial No. 387,426. PUBLISHED MARCH 30, 1937. Class 46.

347,008. WHISKEY. BRAUER LIQUOR CO., Jersey City, N. J.
Filed January 4, 1937. Serial No. 387,431. PUBLISHED APRIL 6, 1937. Class 49.

347,009. SHOWER CURTAIN WITH A VACUUM CUP ATTACHMENT FOR THE PURPOSE OF HOLDING THE CURTAIN IN PLACE. ARTHUR L. ELLIS & CO., INC., Boston, Mass.
Filed January 5, 1937. Serial No. 387,462. PUBLISHED APRIL 6, 1937. Class 13.

347,010. CLOTHING—NAMELY, BASEBALL CAPS, BASEBALL SHOES, ATHLETIC SOCKS, FOOTBALL SHOES, BOWLING SHOES, RUNNING SHOES, BASKETBALL SHOES, BOXING SHOES, AND SWEAT SHIRTS. EDW. K. TRYON COMPANY, Philadelphia, Pa.
Filed January 5, 1937. Serial No. 387,479. PUBLISHED MARCH 30, 1937. Class 39.

347,011. MAGAZINE ISSUED FROM TIME TO TIME. FANNIE SANDERS AND NATIONAL BANK OF COMMERCE OF SAN ANTONIO (Joint Executors of the Estate of R. L. Sanders, deceased), doing business as Texas Hotel News, San Antonio, Tex.
Filed January 6, 1937. Serial No. 387,516. PUBLISHED MARCH 30, 1937. Class 38.

347,012. FERTLIZERS. SOUTHERN STATES COOPERATIVE, INCORPORATED, Richmond, Va.
Filed January 6, 1937. Serial No. 387,520. PUBLISHED APRIL 6, 1937. Class 10.

347,013. FLOWER, FIELD, AND GARDEN SEEDS. SOUTHERN STATES COOPERATIVE, INCORPORATED, Richmond, Va.
Filed January 6, 1937. Serial No. 387,522. PUBLISHED APRIL 6, 1937. Class 1.

347,014. MAGAZINE FEATURE. THE CROWELL PUBLISHING COMPANY, New York, N. Y.
Filed January 7, 1937. Serial No. 387,544. PUBLISHED APRIL 6, 1937. Class 38.

347,015. MEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. COMMONWEALTH SHOE AND LEATHER COMPANY, Whitman, Mass.
Filed January 8, 1937. Serial No. 387,580. PUBLISHED MARCH 23, 1937. Class 39.

347,016. PAPER BAGS, PAPER PLATES, AND PAPER CUPS. WEST COAST GOULEY BURCHAM CO. LTD., Los Angeles, Calif.
Filed January 8, 1937. Serial No. 387,605. PUBLISHED APRIL 6, 1937. Class 2.

347,017. WHISKEY. CRESCENT BEVERAGE CO. INC., Newark, N. J.
Filed January 11, 1937. Serial No. 387,661. PUBLISHED APRIL 6, 1937. Class 49.

347,018. RUM. DISTILLERS EXCHANGE, INC., New York, N. Y.
Filed January 11, 1937. Serial No. 387,663. PUBLISHED APRIL 6, 1937. Class 49.

347,019. WINES. GREAT NORTHERN WINE COMPANY INC., New York, N. Y.
Filed January 11, 1937. Serial No. 387,668. PUBLISHED APRIL 6, 1937. Class 47.

347,020. HAMMOCKS. FICKS REED CO., Cincinnati, Ohio.
Filed January 12, 1937. Serial No. 387,701. PUBLISHED APRIL 6, 1937. Class 22.

347,021. CANNED TUNA. MARINE PRODUCTS CO., San Diego, Calif.
Filed January 12, 1937. Serial No. 387,708. PUBLISHED APRIL 6, 1937. Class 46.

347,022. INTERNAL AND EXTERNAL CYLINDRICAL GRINDING MACHINES, RADIUS GRINDING MACHINES (OSCILLATING GRINDERS), PISTON TURNING AND GRINDING MACHINES, ETC. VAN NORMAN MACHINE TOOL COMPANY, Springfield, Mass.
Filed January 12, 1937. Serial No. 387,717. PUBLISHED APRIL 6, 1937. Class 23.

347,023. SNAP FASTENERS. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn.
Filed January 13, 1937. Serial No. 387,756. PUBLISHED APRIL 6, 1937. Class 40.

347,024. RUBBER TIRES. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed January 14, 1937. Serial No. 387,775. PUBLISHED APRIL 6, 1937. Class 35.

347,025. WOMEN'S WEAR—NAMELY, HATS, DRESSES, STOCKINGS, SWEATERS, SHOES OF LEATHER AND FABRIC, SLIPS, COATS, HANDKERCHIEFS, SCARFS, AND FABRIC AND KID GLOVES. ELIZABETH ELDRIDGE, San Antonio, Tex.
Filed January 14, 1937. Serial No. 387,781. PUBLISHED MARCH 30, 1937. Class 39.

347,026. VULCANIZED VEGETABLE OILS, VULCANIZED FISH OILS, AND VULCANIZED ANIMAL OILS. THE STAMFORD RUBBER SUPPLY COMPANY, Stamford, Conn.
Filed January 14, 1937. Serial No. 387,803. PUBLISHED APRIL 6, 1937. Class 1.

347,027. LEAD PENCILS, CRAYON PENCILS, INK PENCILS, RUBBER ERASERS, RUBBER BANDS, AND LEAD FOR MECHANICAL PENCILS. A. W. FABER, INC., Newark, N. J.
Filed January 15, 1937. Serial No. 387,820. PUBLISHED APRIL 6, 1937. Class 37.

347,028. CANNED CITRUS JUICES FOR FOOD PURPOSES. GENTILE BROS. COMPANY, Cincinnati, Ohio, and Orlando, Fla.
Filed January 15, 1937. Serial No. 387,825. PUBLISHED MARCH 30, 1937. Class 46.

347,029. SAFETY RAZOR BLADES. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed January 15, 1937. Serial No. 387,826. PUBLISHED APRIL 6, 1937. Class 23.

347,030. COGNAC BRANDY. PICKER-LINZ IMPORTERS, INC., New York, N. Y.
Filed January 15, 1937. Serial No. 387,836. PUBLISHED APRIL 6, 1937. Class 49.

347,031. COGNAC BRANDY. PICKER-LINZ IMPORTERS, INC., New York, N. Y.
Filed January 15, 1937. Serial No. 387,837. PUBLISHED APRIL 6, 1937. Class 49.

347,032. BROOCHES, BRACELETS, NECKLACES, LOCKETS, AND VANITY CASES, CLIPS, COMPACTS MADE OF OR PLATED IN WHOLE OR IN PART WITH PRECIOUS METAL. JULES SCHWAB, doing business as Jules Schwab & Co., New York, N. Y.
Filed January 15, 1937. Serial No. 387,840. PUBLISHED MARCH 30, 1937. Class 28.

347,033. SILK GOODS IN THE PIECE. WULLSCHLEGER & Co., New York, N. Y.
Filed January 15, 1937. Serial No. 387,848. PUBLISHED APRIL 6, 1937. Class 42.

347,034. OPHTHALMIC LENSES AND BLANKS FOR OPHTHALMIC LENSES. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed January 16, 1937. Serial No. 387,850. PUBLISHED APRIL 6, 1937. Class 26.

347,035. FRAMES FOR FRAMING PORTRAITS, PAINTINGS, AND PICTURES, MOUNTINGS AND CASES, MINIATURE FRAMES AND CASES. FINE ARTS ASSOCIATION, Chicago, Ill.
Filed January 18, 1937. Serial No. 387,896. PUBLISHED APRIL 6, 1937. Class 32.

347,036. METAL SHIPPING AND STORING PAILS OF THE REMOVABLE HEAD TYPE. THE NATIONAL STEEL BARREL COMPANY, Cleveland, Ohio.
Filed January 18, 1937. Serial No. 387,917. PUBLISHED APRIL 6, 1937. Class 2.

347,037. OIL FOR USE IN SHOCK ABSORBERS FOR AUTOMOBILES. PURITAN SOAP COMPANY, Rochester, N. Y.
Filed January 18, 1937. Serial No. 387,922. PUBLISHED MARCH 23, 1937. Class 15.

347,038. MAGAZINES ISSUED FROM TIME TO TIME. FANNIE SANDERS AND NATIONAL BANK OF COMMERCE OF SAN ANTONIO, (joint executors of the estate of R. L. Sanders, deceased), doing business as Texas Laundry News, San Antonio, Tex.
Filed January 18, 1937. Serial No. 387,926. PUBLISHED MARCH 30, 1937. Class 38.

347,039. CREAM CHEESE. FIORLAT DAIRY PRODUCTS CORP., New York, N. Y.
Filed January 19, 1937. Serial No. 387,938. PUBLISHED APRIL 6, 1937. Class 46.

347,040. QUARTERLY PERIODICAL. THE NORTH AMERICAN VETERINARIAN, INC., Evanston, Ill.
Filed January 19, 1937. Serial No. 387,949. PUBLISHED APRIL 6, 1937. Class 38.

347,041. LEATHER BELTING. THE BALDWIN BELTING AND LEATHER COMPANY, INC., New York, N. Y.
Filed January 21, 1937. Serial No. 387,972. PUBLISHED APRIL 6, 1937. Class 35.

347,042. BLANKETS. BELL TEXTILE COMPANY, New York, N. Y.
Filed January 21, 1937. Serial No. 387,973. PUBLISHED APRIL 6, 1937. Class 42.

347,043. METAL STRUCTURAL MEMBERS. ALBERT HENDERSON, Pittsburgh, Pa.
Filed January 21, 1937. Serial No. 388,002. PUBLISHED APRIL 6, 1937. Class 12.

347,044. PETROLEUM ENGINE FUEL. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed January 21, 1937. Serial No. 388,028. PUBLISHED MARCH 30, 1937. Class 15.

347,045. SCARFS, SWEATERS, BATHING SUITS, UNDERWEAR AND NEGLIGEES, PAJAMAS, BLOOMERS, AND HOSIERY. VALOMIST HOSIERY COMPANY, INC., New York, N. Y.
Filed January 21, 1937. Serial No. 388,035. PUBLISHED MARCH 30, 1937. Class 39.

347,046. WHISKEY. TOM WALKER, INC., Pittsburgh and Glenfield, Pa.
Filed January 21, 1937. Serial No. 388,037. PUBLISHED APRIL 6, 1937. Class 49.

347,047. PEEP DEVICES FOR PRODUCING AN INVERTED RETINAL IMAGE. GERRIT C. ZWART, doing business as Visual Sciences, Suffern, N. Y.
Filed January 21, 1937. Serial No. 388,039. PUBLISHED APRIL 6, 1937. Class 26.

347,048. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed January 22, 1937. Serial No. 388,042. PUBLISHED APRIL 6, 1937. Class 46.

347,049. CHEMICAL SUBSTANCE OF VEGETABLE ORIGIN USED EXCLUSIVELY IN THE CLARIFICATION OF BEER AND ALES. BREWERS SCIENTIFIC LABORATORIES, INC., Rahway, N. J.
Filed January 22, 1937. Serial No. 388,046. PUBLISHED APRIL 6, 1937. Class 48.

347,050. NEWSPAPER FEATURE PUBLISHED DAILY. ESQUIRE FEATURES, INC., Chicago, Ill.
Filed January 22, 1937. Serial No. 388,055. PUBLISHED MARCH 30, 1937. Class 38.

347,051. WHISKEY. CHARLES L. RICHARDSON & CO., INC., Boston, Mass.
Filed January 23, 1937. Serial No. 388,106. PUBLISHED APRIL 6, 1937. Class 49.

347,052. CAST IRON COOKING HOLLOWWARE. AUTO CITY PLATING CO., INC., Detroit, Mich.
Filed January 25, 1937. Serial No. 388,114. PUBLISHED APRIL 6, 1937. Class 13.

347,053. BANK CHECKS, BANK DEPOSITORS' IDENTIFICATION CERTIFICATES, AND BANK SERVICE FORMS, ALL SOLD TO BANKS AS BLANK FORMS. THE CERTI-PAY SYSTEMS, St. Louis, Mo.
Filed January 25, 1937. Serial No. 388,119. PUBLISHED APRIL 6, 1937. Class 37.

347,054. INTERNAL COMBUSTION ENGINES AND PARTS THEREOF, BUT NOT INCLUDING MAGNETOS OR OTHER IGNITION DEVICES FOR INTERNAL COMBUSTION ENGINES. JOHN FOWLER & Co. (LEEDS) LTD., Leeds, England.
Filed January 25, 1937. Serial No. 388,133. PUBLISHED APRIL 6, 1937. Class 23.

347,055. ROCK DRILLING APPARATUS. THE SPENCER TURBINE COMPANY, Hartford, Conn.
Filed January 25, 1937. Serial No. 388,147. PUBLISHED APRIL 6, 1937. Class 23.

347,056. FLOOR SEALING, FINISHING, AND PRESERVING PREPARATION IN THE NATURE OF A VARNISH. VESTAL CHEMICAL COMPANY, St. Louis, Mo.
Filed January 25, 1937. Serial No. 388,160. PUBLISHED APRIL 6, 1937. Class 16.

347,057. MEN'S, YOUNG MEN'S, AND BOYS' WEARING APPAREL—NAMELY, SUITS, COATS, PANTS, VESTS, TROUSERS, ETC. WEIL CLOTHING COMPANY, St. Louis, Mo.
Filed January 25, 1937. Serial No. 388,167. PUBLISHED APRIL 6, 1937. Class 39.

347,058. SHOE LACES. BRUCE E. CEDEROTH, Chicago, Ill.
Filed January 26, 1937. Serial No. 388,182. PUBLISHED APRIL 6, 1937. Class 40.

347,059. HAT BOXES OF CELLULOSE ACETATE AND RESINOL DERIVATIVES AND PAPER. JOSEPH H. MEYER BROTHERS, Brooklyn, N. Y.
Filed January 26, 1937. Serial No. 388,199. PUBLISHED APRIL 6, 1937. Class 2.

347,060. HAT BOXES OF CELLULOSE ACETATE AND RESINOL DERIVATIVES AND PAPER. JOSEPH H. MEYER BROTHERS, Brooklyn, N. Y.
Filed January 26, 1937. Serial No. 388,200. PUBLISHED APRIL 6, 1937. Class 2.

347,061. GASOLINE, LUBRICATING OILS AND GREASES. TIDE WATER ASSOCIATED OIL COMPANY, Wilmington, Del., and New York, N. Y.
Filed January 26, 1937. Serial No. 388,208. PUBLISHED MARCH 23, 1937. Class 15.

347,062. CANNED FRUITS AND VEGETABLES. TIEDEMANN & MCMORRAN, San Francisco, Calif.
Filed January 26, 1937. Serial No. 388,211. PUBLISHED MARCH 30, 1937. Class 46.

347,063. SECTIONS OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed January 26, 1937. Serial No. 388,212. PUBLISHED MARCH 30, 1937. Class 38.

347,064. SECTIONS OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed January 26, 1937. Serial No. 388,213. PUBLISHED MARCH 30, 1937. Class 38.

347,065. SECTIONS OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed January 26, 1937. Serial No. 388,214. PUBLISHED MARCH 30, 1937. Class 38.

347,066. ORTHOPEDIC SHOES. ATLAS AGO CHEMISCHE FABRIK AKTIENGESELLSCHAFT, Molkau, near Leipzig, Germany.
Filed January 27, 1937. Serial No. 388,220. PUBLISHED APRIL 6, 1937. Class 39.

347,067. PERIODICALS PUBLISHED MONTHLY. BROTHERHOOD OF PAINTERS, DECORATORS AND PAPERHANGERS OF AMERICA, La Fayette, Ind.
Filed January 27, 1937. Serial No. 388,225. PUBLISHED MARCH 30, 1937. Class 38.

347,068. PAPERBOARD OR CORRUGATED PAPERBOARD STORAGE RECEPTACLES. ODORA COMPANY, INC., New York, N. Y.
Filed January 27, 1937. Serial No. 388,238. PUBLISHED APRIL 6, 1937. Class 2.

347,069. LADIES', MEN'S, AND CHILDREN'S LEATHER GLOVES. LOUIS MEYERS & SON, INC., New York, N. Y.
Filed January 27, 1937. Serial No. 388,239. PUBLISHED MARCH 30, 1937. Class 39.

347,070. BOOK OR MAGAZINE PUBLISHED ANNUALLY GIVING A COMPLETE REVIEW AND CHECK-UP OF THE MOTION PICTURE INDUSTRY. QUIGLEY PUBLISHING COMPANY, INC., New York, N. Y.
Filed January 27, 1937. Serial No. 388,242. PUBLISHED APRIL 6, 1937. Class 38.

347,071. LADIES' BELTS, MADE OF LEATHER OR SIMILAR MATERIALS. SLOTE & KLEIN, INC., New York, N. Y.
Filed January 27, 1937. Serial No. 388,246. PUBLISHED APRIL 6, 1937. Class 39.

347,072. NEWSPAPER COLUMN. THE BUFFALO TIMES, INC., Buffalo, N. Y.
Filed January 29, 1937. Serial No. 388,252. PUBLISHED MARCH 30, 1937. Class 38.

347,073. MEN'S, WOMEN'S, CHILDREN'S, AND BOYS' LEATHER SHOES. MARY CATANIA, doing business as Catania Shoe Shop, New York, N. Y.
Filed January 28, 1937. Serial No. 388,258. PUBLISHED MARCH 30, 1937. Class 39.

347,074. RICE. SOUTHERN RICE SALES CO., INC., New York, N. Y.
Filed January 28, 1937. Serial No. 388,285. PUBLISHED APRIL 6, 1937. Class 46.

347,075. RICE. SOUTHERN RICE SALES CO., INC., New York, N. Y.
Filed January 28, 1937. Serial No. 388,286. PUBLISHED MARCH 30, 1937. Class 46.

347,076. MAILING LISTS IN BOOKLET FORM CONTAINING DETACHABLE GUMMED LABELS WITH PREDETERMINED NAMES AND ADDRESSES PRINTED THEREON. JAMES M. THACKER, New York, N. Y.
Filed January 28, 1937. Serial No. 388,288. PUBLISHED APRIL 6, 1937. Class 38.

347,077. PREPARED CAKE MIX. CONTINENTAL MILLS, INC., Seattle, Wash.
Filed January 22, 1937. Serial No. 388,294. PUBLISHED MARCH 30, 1937. Class 46.

347,078. PRINTED PERIODICAL. CONGOLEUM-NAIRN INC., Kearny, N. J.
Filed January 29, 1937. Serial No. 388,311. PUBLISHED MARCH 30, 1937. Class 38.

347,079. MEN'S AND BOYS' DRESS, NEGLIGEE, WORK, AND SPORT SHIRTS, AND COLLARS. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed January 29, 1937. Serial No. 388,315. PUBLISHED APRIL 6, 1937. Class 39.

347,080. LUMBER. CALIFORNIA REDWOOD ASSOCIATION, San Francisco, Calif.
Filed January 29, 1937. Serial No. 388,339. PUBLISHED MARCH 30, 1937. Class 12.

347,081. WHISKEY. ABRAM SMITH BOWMAN, doing business as A. Smith Bowman Distillery, Sunset Hills, Va.
Filed January 30, 1937. Serial No. 388,341. PUBLISHED APRIL 6, 1937. Class 49.

347,082. CANDY. CHICKY CANDIES, INC., Grand Rapids, Mich.
Filed January 30, 1937. Serial No. 388,345. PUBLISHED MARCH 30, 1937. Class 46.

347,083. GARMENT BAGS, LAUNDRY BAGS, AND SHOE BAGS. M. FRIEDMAN & SON, New York, N. Y.
Filed January 30, 1937. Serial No. 388,352. PUBLISHED APRIL 6, 1937. Class 2.

347,084. FUEL OIL. NICOLA GRASSI, New York, N. Y.
Filed January 30, 1937. Serial No. 388,353. PUBLISHED MARCH 30, 1937. Class 15.

347,085. FLAVORING USED IN THE PREPARATION OF SOFT DRINKS. LEWIS-MARTIN COMPANY, New York, N. Y.
Filed January 30, 1937. Serial No. 388,356. PUBLISHED APRIL 6, 1937. Class 45.

347,086. MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, TROUSERS, KNICKERS, SHORTS, PANTS, HATS, CAPS, DRESS SHIRTS, NEGLIGEE SHIRTS, POLO SHIRTS, ETC. MID-WEST WHOLESALERS INC., New York, N. Y.
Filed February 1, 1937. Serial No. 388,401. PUBLISHED MARCH 30, 1937. Class 39.

347,087. TRADING STAMPS. PICTORIAL PAPER PACKAGE CORPORATION, Aurora, Ill.
Filed February 1, 1937. Serial No. 388,469. PUBLISHED APRIL 6, 1937. Class 38.

347,088. LUBRICATING OILS AND GREASES. THE STANDARD OIL COMPANY, Cleveland, Ohio.
Filed February 1, 1937. Serial No. 388,420. PUBLISHED APRIL 6, 1937. Class 15.

347,089. GINGER ALE. THE DISTILLATA COMPANY, Cleveland, Ohio.
Filed February 2, 1937. Serial No. 388,436. PUBLISHED APRIL 6, 1937. Class 45.

347,090. NONALCOHOLIC SYRUPS OR EXTRACTS TO BE MIXED WITH OTHER INGREDIENTS FOR MAKING BEVERAGES. SNOW CREST BEVERAGES, INC., Salem, Mass.
Filed February 2, 1937. Serial No. 388,465. PUBLISHED APRIL 6, 1937. Class 45.

347,091. WAX DERIVED FROM PETROLEUM. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed February 2, 1937. Serial No. 388,467. PUBLISHED MARCH 30, 1937. Class 15.

347,092. WAX DERIVED FROM PETROLEUM. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed February 2, 1937. Serial No. 388,468. PUBLISHED APRIL 6, 1937. Class 15.

347,093. CHARTS AND QUESTIONNAIRES FOR LAYING OUT GRAPHS REPRESENTING INSURANCE PROTECTION. THE MUTUAL BENEFIT LIFE INSURANCE COMPANY, Newark, N. J.
Filed February 3, 1937. Serial No. 388,507. PUBLISHED APRIL 6, 1937. Class 37.

347,094. COMIC DRAWINGS PUBLISHED IN A SERIES IN DAILY AND SUNDAY NEWSPAPERS. NEA SERVICE, INC., Cleveland, Ohio.
Filed February 3, 1937. Serial No. 388,508. PUBLISHED APRIL 6, 1937. Class 38.

347,095. MAGAZINES DEALING WITH SALES PROMOTION TOPICS. ISSUED FROM TIME TO TIME. SAM LEVY, Douglas, Ariz.
Filed February 4, 1937. Serial No. 388,536. PUBLISHED APRIL 6, 1937. Class 38.

347,096. PICKLES AND PICKLE RELISHES. MOUNT OLIVE PICKLE CO., INC., Mount Olive, N. C.
Filed February 4, 1937. Serial No. 388,541. PUBLISHED APRIL 6, 1937. Class 46.

347,097. NONALCOHOLIC BEVERAGES AND SOFT DRINKS INCLUDING SYRUPS AND EXTRACTS FOR MAKING THE SAME. SILVER SPRINGS WATER COMPANY, Detroit, Mich.
Filed February 4, 1937. Serial No. 388,548. PUBLISHED APRIL 6, 1937. Class 45.

347,098. BRASS, REED, AND STRINGED MUSICAL INSTRUMENTS—NAMELY, CORNETS, TRUMPETS, TROMBONES, SAXOPHONES, BASS HORNS, VIOLINS, CLARINETS, AND GUITARS. WESTERN STATES WHOLESALE MUSIC CORP., Seattle, Wash.
Filed February 4, 1937. Serial No. 388,556. PUBLISHED APRIL 6, 1937. Class 36.

347,099. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed February 5, 1937. Serial No. 388,580. PUBLISHED MARCH 30, 1937. Class 46.

347,100. TITLE OF INFORMATIVE TOPICS OF INTEREST AND ILLUSTRATIONS THEREOF APPEARING IN NEWSPAPERS AND/OR PERIODICALS. NEA SERVICE, INC., Cleveland, Ohio.
Filed February 5, 1937. Serial No. 388,590. PUBLISHED APRIL 6, 1937. Class 38.

347,101. MIXED COTTON AND WOOLEN PIECE GOODS. PACIFIC MILLS, Lawrence and Boston, Mass.
Filed February 5, 1937. Serial No. 388,591. PUBLISHED APRIL 6, 1937. Class 42.

347,102. GAME APPARATUS COMPRISING A CAPTIVE GOLF BALL AND THE REPRESENTATION OF A GOLF COURSE TOGETHER WITH MEANS WHEREBY WHEN THE BALL IS STRUCK WITH A CLUB ITS PROBABLE MOVEMENT ON THE COURSE REPRESENTED IS SHOWN ON SAID REPRESENTATION. LESTER H. WHITE, Fairfield, Conn.
Filed February 5, 1937. Serial No. 388,602. PUBLISHED APRIL 6, 1937. Class 22.

347,103. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME. WORLD BOTTLING COMPANY, LTD., New Orleans, La.
Filed February 5, 1937. Serial No. 388,604. PUBLISHED APRIL 6, 1937. Class 45.

347,104. LADIES', MEN'S, AND CHILDREN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. FOWNES BROS. & CO., INC., New York, N. Y.
Filed February 6, 1937. Serial No. 388,606. PUBLISHED APRIL 6, 1937. Class 39.

347,105. BEER. ATLAS BREWING COMPANY, Chicago, Ill.
Filed February 6, 1937. Serial No. 388,609. PUBLISHED APRIL 6, 1937. Class 48.

347,106. DOLLS. E. J. HERTE, Milwaukee, Wis.
Filed February 8, 1937. Serial No. 388,641. PUBLISHED APRIL 6, 1937. Class 22.

347,107. COMPRESSED YEAST. RED STAR YEAST AND PRODUCTS CO., Milwaukee, Wis.
Filed February 8, 1937. Serial No. 388,660. PUBLISHED APRIL 6, 1937. Class 46.

347,108. LUBRICATING OILS AND GREASES. PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex.
Filed February 9, 1937. Serial No. 388,683. PUBLISHED MARCH 30, 1937. Class 15.

347,109. FILE CABINETS, DRAWERS AND PARTS THEREOF. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y.
Filed February 9, 1937. Serial No. 388,694. PUBLISHED APRIL 6, 1937. Class 32.

347,110. FILE CABINETS, DRAWERS, AND PARTS THEREOF. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y.
Filed February 9, 1937. Serial No. 388,695. PUBLISHED APRIL 6, 1937. Class 32.

347,111. ELECTRIC HEADLIGHT AND SIGNAL LAMPS. MARS SIGNAL LIGHT COMPANY, Chicago, Ill.
Filed February 10, 1937. Serial No. 388,720. PUBLISHED APRIL 6, 1937. Class 21.

347,112. BISCUITS. THE RENKEN & YATES SMITH CORPORATION, New York, N. Y.
Filed February 10, 1937. Serial No. 388,729. PUBLISHED APRIL 6, 1937. Class 46.

347,113. HAMES. U. S. HAME COMPANY, Buffalo, N. Y.
Filed February 10, 1937. Serial No. 388,734. PUBLISHED APRIL 6, 1937. Class 3.

347,114. ADJUSTABLE WINDOW SASH AND PARTS THEREOF. JAMES MANUFACTURING CO., Fort Atkinson, Wis.
Filed February 10, 1937. Serial No. 388,744. PUBLISHED MARCH 30, 1937. Class 12.

347,115. METAL DOORS AND THE LIKE. JAMES MANUFACTURING CO., Fort Atkinson, Wis.
Filed February 10, 1937. Serial No. 388,745. PUBLISHED MARCH 30, 1937. Class 12.

347,116. WOOLEN PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed February 11, 1937. Serial No. 388,755. PUBLISHED APRIL 6, 1937. Class 42.

347,117. WOOLEN PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed February 11, 1937. Serial No. 388,756. PUBLISHED APRIL 6, 1937. Class 42.

347,118. WOOLEN PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed February 11, 1937. Serial No. 388,758. PUBLISHED APRIL 6, 1937. Class 42.

347,119. WOOLEN PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed February 11, 1937. Serial No. 388,759. PUBLISHED APRIL 6, 1937. Class 42.

347,120. CANDIES. E. J. BRACH & SONS, Chicago, Ill.
Filed February 11, 1937. Serial No. 388,760. PUBLISHED APRIL 6, 1937. Class 46.

347,121. HOOK HOLDERS AND ROD CAPS FOR CANE POLES AND CASTING RODS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed February 11, 1937. Serial No. 388,772. PUBLISHED APRIL 6, 1937. Class 22.

347,122. TEXTILE FABRICS IN THE PIECE OF COTTON, WOOL, SILK, RAYON, MOHAIR, AND/OR COMBINATIONS THEREOF. LIPPITT WOOLEN COMPANY, Woonsocket, R. I., and New York, N. Y.
Filed February 11, 1937. Serial No. 388,784. PUBLISHED APRIL 6, 1937. Class 42.

347,123. CANNED VEGETABLES. MIDDLESEX WHOLESALE GROCERY CO., New Brunswick, N. J.
Filed February 11, 1937. Serial No. 388,790. PUBLISHED APRIL 6, 1937. Class 46.

347,124. STORAGE BATTERIES. PRICE BATTERY CORPORATION, Philadelphia, Pa.
Filed February 11, 1937. Serial No. 388,796. PUBLISHED APRIL 6, 1937. Class 21.

347,125. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 12, 1937. Serial No. 388,829. PUBLISHED APRIL 6, 1937. Class 42.

347,126. PERIODICAL. THOMAS PUBLISHING COMPANY, New York, N. Y.
Filed February 12, 1937. Serial No. 388,859. PUBLISHED APRIL 6, 1937. Class 38.

347,127. CIGARETTES. WEST VIRGINIA TOBACCO CORP., Beckley, W. Va.
Filed February 12, 1937. Serial No. 388,861. PUBLISHED APRIL 6, 1937. Class 17.

347,128. MINERAL WAX. THE CONEWANGO REFINING COMPANY, Warren, Pa.
Filed February 13, 1937. Serial No. 388,863. PUBLISHED APRIL 6, 1937. Class 15.

347,129. PLAY AND AMUSEMENT APPARATUS, THE PARTICULAR THINGS BEING SWINGS, TEETERBOARDS, SANDBOXES, SLIDES, STILTS, JUMPING STANDARDS, AND TOY LADDERS AND GYMNASIUMS. THE GOSHEN MANUFACTURING COMPANY, Goshen, Ind.
Filed February 13, 1937. Serial No. 388,866. PUBLISHED APRIL 6, 1937. Class 22.

347,130. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed February 15, 1937. Serial No. 388,894. PUBLISHED APRIL 6, 1937. Class 38.

347,131. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed February 15, 1937. Serial No. 388,895. PUBLISHED APRIL 6, 1937. Class 38.

347,132. NEWSPAPER COLUMN. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed February 15, 1937. Serial No. 388,897. PUBLISHED APRIL 6, 1937. Class 38.

347,133. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed February 15, 1937. Serial No. 388,898. PUBLISHED APRIL 6, 1937. Class 38.

347,134. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed February 15, 1937. Serial No. 388,899. PUBLISHED APRIL 6, 1937. Class 38.

347,135. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed February 15, 1937. Serial No. 388,902. PUBLISHED APRIL 6, 1937. Class 38.

347,136. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed February 15, 1937. Seial No. 388,904. PUBLISHED APRIL 6, 1937. Class 38.

347,137. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed February 15, 1937. Serial No. 388,905. PUBLISHED APRIL 6, 1937. Class 38.

347,138. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed February 15, 1937. Serial No. 388,906. PUBLISHED APRIL 6, 1937. Class 38.

347,139. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed February 15, 1937. Serial No. 388,907. PUBLISHED APRIL 6, 1937. Class 38.

347,140. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed February 15, 1937. Serial No. 388,908. PUBLISHED APRIL 6, 1937. Class 38.

347,141. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed February 15, 1937. Serial No. 388,909. PUBLISHED APRIL 6, 1937. Class 38.

347,142. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed February 15, 1937. Serial No. 388,910. PUBLISHED APRIL 6, 1937. Class 38.

347,143. FISH LINES. CORTLAND LINE COMPANY, INC. Cortland, N. Y.
Filed February 15, 1937. Serial No. 388,917. PUBLISHED APRIL 6, 1937. Class 22.

347,144. NON-ALCOHOLIC BEVERAGES. GENERAL BEVERAGE CORP., Springfield, Mass.
Filed February 15, 1937. Serial No. 388,932. PUBLISHED APRIL 6, 1937. Class 45.

347,145. GRASS SEED. KATZ DRUG COMPANY, Kansas City, Mo.
Filed February 15, 1937. Serial No. 388,943. PUBLISHED APRIL 6, 1937. Class 1.

347,146. NON-ALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS. R. E. POWELL, San Marino, Calif.
Filed February 15, 1937. Serial No. 388,958. PUBLISHED APRIL 6, 1937. Class 45.

347,147. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. SCHENLEY PRODUCTS COMPANY, New York, N. Y.
Filed February 15, 1937. Serial No. 388,960. PUBLISHED APRIL 6, 1937. Class 49.

347,148. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. SCHENLEY PRODUCTS COMPANY, New York, N. Y.
Filed February 15, 1937. Serial No. 388,961. PUBLISHED APRIL 6, 1937. Class 49.

347,149. PIECE GOODS MADE OF WOOL, COTTON, SILK, RAYON, ARTIFICIAL SILK, ARTIFICIAL FIBERS, AND/OR COMBINATIONS OF THE SAME, AND STEAMER AND PRAM RUGS OF TEXTILE FABRICS. FOLKARD & LAWRENCE, INC., New York, N. Y.
Filed February 16, 1397. Serial No. 388,977. PUBLISHED APRIL 6, 1937. Class 42.

347,150. BEER. LAFAYETTE BREWERY INC., La Fayette Ind.
Filed February 16, 1937. Serial No. 388,988. PUBLISHED APRIL 6, 1937. Class 48.

347,151. WHISKEY. WOODFORD COUNTY DISTILLERY Co., Midway, Ky.
Filed February 16, 1937. Serial No. 389,003. PUBLISHED APRIL 6, 1937. Class 49.

347,152. LUBRICATING OILS AND GREASES. ARTHUR N. HENRIKSEN, doing business as The Russian Oil Company, Chicago, Ill.
Filed February 17, 1937. Serial No. 389,027. PUBLISHED APRIL 6, 1937. Class 15.

347,153. WATCHES, WATCH CASES, WATCH PARTS, WATCH MOVEMENTS, WATCH BRACELETS SOLD AS A UNIT WITH THE WATCH. HARRY A. JEFFREY, New York, N. Y.
Filed February 18, 1937. Serial No. 389,067. PUBLISHED APRIL 6, 1937. Class 27.

347,154. PLAYING CARDS. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed February 18, 1937. Serial No. 389,087. PUBLISHED APRIL 6, 1937. Class 22.

347,155. PLAYING CARDS. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed February 18, 1937. Serial No. 389,089. PUBLISHED APRIL 6, 1937. Class 22.

347,156. NON-FERROUS SHEET METAL. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn.
Filed February 20, 1937. Serial No. 389,167. PUBLISHED APRIL 6, 1937. Class 14.

347,157. IRONING MACHINES. ELECTRIC HOUSEHOLD UTILITIES CORPORATION, Chicago, Ill.
Filed February 20, 1937. Serial No. 389,174. PUBLISHED APRIL 6, 1937. Class 24.

347,158. GAME CONSISTING OF A CONTAINER AND JACKSTRAW STICKS. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed February 23, 1937. Serial No. 389,263. PUBLISHED APRIL 6, 1937. Class 22.

347,159. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed February 23, 1937. Serial No. 389,280. PUBLISHED APRIL 6, 1937. Class 49.

347,160. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed February 23, 1937. Serial No. 389,281. PUBLISHED APRIL 6, 1937. Class 49.

347,161. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed February 23, 1937. Serial No. 389,282. PUBLISHED APRIL 6, 1937. Class 49.

347,162. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed February 23, 1937. Serial No. 389,284. PUBLISHED APRIL 6, 1937. Class 49.

347,163. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed February 23, 1937. Serial No. 389,285. PUBLISHED APRIL 6, 1937. Class 49.

347,164. WATCH CASES, WATCHES, AND WATCH MOVEMENTS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed February 25, 1937. Serial No. 389,357. PUBLISHED APRIL 6, 1937. Class 27.

347,165. WHISKEY. CAPITOL WINE & SPIRIT CORPORATION, New York, N. Y.
Filed February 27, 1937. Serial No. 389,454. PUBLISHED APRIL 6, 1937. Class 49.

347,166. WHISKEY. POPPER-MORSON CO., INC., Jersey City, N. J., assignor to Joseph H. Reinfeld, Inc., Newark, N. J., a corporation of New Jersey.
Filed February 27, 1937. Serial No. 389,471. PUBLISHED APRIL 6, 1937. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

347,167. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Apr. 13, 1934. Serial No. 349,933.

COME-PAKT

For Lay-Out for Floricultural Purposes, Including an Assortment of Flower Seeds and a Predesigned Pattern for a Flower Bed.
Claims use since Feb. 28, 1934.

347,168. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Apr. 13, 1934. Serial No. 349,934.

COME-PAKT
PLANNED GARDEN

For Lay-Out for Floricultural Purposes, Including an Assortment of Flower Seeds and a Predesigned Pattern for a Flower Bed.
Claims use since Feb. 28, 1934.

347,169. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Apr. 13, 1934. Serial No. 349,935.

PLANNED GARDEN

For Lay-Out for Floricultural Purposes, Including an Assortment of Flower Seeds and a Predesigned Pattern for a Flower Bed.
Claims use since Feb. 28, 1934.

347,170. (CLASS 37. PAPER AND STATIONERY.) THE CHILTON PEN COMPANY, INC., Long Island City, N. Y. Filed May 2, 1934. Serial No. 350,788.

LOX-TOP

For Fountain Pens.
Claims use since July 13, 1933.

347,171. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THREE G DISTILLERY CORP., Burbank, Calif. Filed Aug. 15, 1934. Serial No. 355,048.

VALLEY FALLS

For Whiskey.
Claims use since Aug. 1, 1934.

347,172. (CLASS 39. CLOTHING.) J. WEINIG CO., New York, N. Y. Filed Jan. 23, 1935. Serial No. 360,611.



"THE SILVER FOX HOUSE"

For Fur Coats, Fur Caps and Hats, Fur Neck Scarfs Fur Muffs, and Fur Capes.
Claims use since Oct. 22, 1934.

347,173. (CLASS 43. THREAD AND YARN.) INDUSTRIAL RAYON CORPORATION, Cleveland, Ohio. Filed Feb. 26, 1935. Serial No. 361,842.

SPUN-BLACK

For Yarn.
Claims use since Feb. 16, 1935.

347,174. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. K. SMIT & SONS, INC., New York, N. Y. Filed Oct. 3, 1935. Serial No. 369,982.

STA-KOOL

For Diamond Tools for Wheel Trueing.
Claims use since Sept. 3, 1935.

347,175. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE GENERAL FIRE TRUCK CORPORATION, St. Louis, Mo. Filed Dec. 2, 1935. Serial No. 372,170.

BEV-L-LUG

For Fire Hose Couplings.
Claims use since Aug. 20, 1935.

347,176. (CLASS 39. CLOTHING.) INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind. Filed Feb. 14, 1936. Serial No. 374,833.

CRACKER JACK

For Work Gloves and Work Mittens of Fabric, Leather and Combinations Thereof.
Claims use since Feb. 6, 1936.

347,177. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE G. L. MORRIS CORPORATION, Cleveland, Ohio. Filed Mar. 24, 1936. Serial No. 376,357.

"DANCE FLOORETTE"

For Readily Removable, Collapsible, and Portable Floor Covering for Use in Tap Dancing.
Claims use since Mar. 1, 1936.

347,178. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 20, 1936. Serial No. 377,432.

Old Douglas

For Whiskey.
Claims use since Mar. 2, 1936.

347,179. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CRESCIENZO GIAFRANCESCO, doing business as Sawdusope, Pittsburgh, Pa. Filed Apr. 29, 1936. Serial No. 377,789.

Sawdusope

For Hand Soap.
Claims use since Apr. 21, 1936.

347,180. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARIZONA CITRUS GROWERS, Phoenix, Ariz. Filed May 8, 1936. Serial No. 378,174.

NO NICER

For Fresh Citrus Fruit—Namely, Oranges.
Claims use since March, 1936.

347,181. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARIZONA CITRUS GROWERS, Phoenix, Ariz. Filed May 8, 1936. Serial No. 378,175.

RITE-SWEET

For Fresh Citrus Fruit—Namely, Grapefruit.
Claims use since 1932.

347,182. (CLASS 12. CONSTRUCTION MATERIALS.) RUSSELL FORTUNE, Indianapolis, Ind. Filed May 8, 1936. Serial No. 378,191.

ORIS

For Finished and Unfinished Lumber and Wood Veneers.
Claims use since Apr. 25, 1936.

347,183. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIEGEL BROS. KIKI MAID KOATS INC., New York, N. Y. Filed May 8, 1936. Serial No. 378,241.

LEEDS

For Piece Goods Made of Wool, Cotton, Rayon, Silk, Artificial Silk, Artificial Fibers, and Combinations of the Same.
Claims use since May 1, 1936.

347,184. (CLASS 37. PAPER AND STATIONERY.) NU-FILM PRODUCTS COMPANY, INC., New York, N. Y. Filed May 23, 1936. Serial No. 378,798.

NU-FILM

For Separable Sheet Used in the Preparation of Stencils.
Claims use since June 1, 1933.

347,185. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE MILLER SHOE COMPANY, Cincinnati, Ohio. Filed May 26, 1936. Serial No. 378,894.

Kid-doe

For Leather.
Claims use since May 1, 1936.

347,186. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MASSASOIT BEVERAGE CO., INC., Springfield, Mass. Filed June 6, 1936. Serial No. 379,383.

PHILLIPS
GINGER ALE

For Non-Cereal Maltless Non-Alcoholic Beverages Sold as Soft Drinks.
Claims use since Apr. 25, 1936.

347,187. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIREN MILLS CORPORATION, also doing business as The Cook Chocolate Company, Chicago, Ill. Filed June 22, 1936. Serial No. 380,081.

COOK'S BEST

For Cocoa and Baking Chocolate.
Claims use since Mar. 20, 1936.

347,188. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIREN MILLS CORPORATION, also doing business as The Cook Chocolate Company, Chicago, Ill. Filed June 22, 1936. Serial No. 380,082.

COOK'S CERTIFIED

For Cocoa and Baking Chocolate.
Claims use since Mar. 20, 1936.

347,189. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIREN MILLS CORPORATION, also doing business as The Cook Chocolate Company, Chicago, Ill. Filed June 22, 1936. Serial No. 380,083.

COOK'S TESTED

For Cocoa and Baking Chocolate.
Claims use since Mar. 20, 1936.

347,190. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WILLIAM CHADIMA, Cedar Rapids, Iowa. Filed July 20, 1936. Serial No. 381,190.

COLOR FLAME
· FUEL ·
FOR FIREPLACE

For Coal and Coke Each Treated with Various Salts and Like Materials.
Claims use since July 15, 1930.

347,191. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GEORGE W. MORRISON, doing business as The Morrison Safety Ladder Foot Suction Grip Company, Lowell, Mass. Filed Aug. 8, 1936. Serial No. 381,948.



THE MORRISON SAFETY LADDER
FOOT SUCTION GRIP CO.
LOWELL, MASSACHUSETTS

For Ladder Feet.
Claims use since 1915.

347,192. (CLASS 45. BEVERAGES, NONALCOHOLIC.) TASTY BEVERAGES, INC., Pittsburgh, Pa. Filed Aug. 12, 1936. Serial No. 382,073.

TAS-T-LEMMON

For Non-Alcoholic Beverage Manufactured from Pure Fruit Juices.
Claims use since Jan. 3, 1936.

347,193. (CLASS 37. PAPER AND STATIONERY.) STANDARD MAILING MACHINES COMPANY, Everett, Mass. Filed Aug. 28, 1936. Serial No. 382,679.

Standard

For Duplicating Machines and Devices and Parts Thereof.
Claims use since June 1, 1912.

347,194. (CLASS 32. FURNITURE AND UPHOLSTERY.) WAGEMAKER CO., Grand Rapids, Mich. Filed Oct. 5, 1936. Serial No. 384,020.

DROR-TYPE

For Typewriter Desks.
Claims use since Feb. 15, 1936.

347,195. (CLASS 37. PAPER AND STATIONERY.) DON HALL, San Francisco, Calif. Filed Oct. 17, 1936. Serial No. 384,460.

DON HALL

For Letterheads, Noteheads, Envelopes, Professional Billheads, Prescription Blanks, and Manuscript Covers.
Claims use since Mar. 1, 1930.

347,196. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio. Filed Dec. 7, 1936. Serial No. 386,426.

TABLETOP

For Gas Water Heaters.
Claims use since Apr. 1, 1936.

347,197. (CLASS 37. PAPER AND STATIONERY.) GOLDSMITH BROS., New York, N. Y. Filed Dec. 19, 1936. Serial No. 386,945.

FILERITE

For Filing Cards, Filing Guides, Folders, Paper Expanding Files, Paper Filing Devices for Insertion in Desk Drawer Trays, on Box Files and on Fiber and Wood Clip and Similar Boards.
Claims use since Jan. 2, 1936.

347,198. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BLUE ANCHOR BEVERAGE COMPANY, Philadelphia, Pa. Filed Feb. 2, 1937. Serial No. 388,428.

TRIPLE SEC

For Nonalcoholic Maltless Beverages Sold as Soft Drinks.
Claims use since November, 1928.

347,199. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE FOREGGER COMPANY, INC., New York, N. Y. Filed Feb. 13, 1937. Serial No. 388,887.

FOREGGER

For Apparatus, Appliances, Outfits and Parts Thereof for Administering Anesthetics, Inhalers for Oxygen Administration and Resuscitation, Passenger Inhalers for Altitude Flying Airplanes, Anesthesia and Gas Tables and Parts Thereof, Rebreathing Devices for Carbon Dioxide Absorption, Gwathmey Apparatus, Maternity Anesthesia Outfits, Face Cushions, Face Pieces, Breathing Bags, Surgical Inhalers, Goiter Masks, To and Fro CO_2 Absorbers, Circle Filter CO_2 Absorbers and Parts Thereof, Straps, Catheters, Adapters and Catheter Connections, Laryngoscopes, Manometers, Airways, Ether Vaporizers, Vapor Masks, Closed Inhalers, Nasal Inhalers, Nasal Tubes, Mouth Hooks, Control Valve and Cylinder Yokes, Throat Tubes, Oxygen Tents, Respiration Appliances, and Parts for the Named Apparatus and Appliances.
Claims use since June, 1914.

347,200. (CLASS 32. FURNITURE AND UPHOLSTERY.) METAL OFFICE FURNITURE COMPANY, Grand Rapids, Mich. Filed Feb. 18, 1937. Serial No. 389,091.

TERRELL'S

For Metal Fixtures—Namely, Metal Shelving, Metal Lockers, Metal Filing Cabinets, Metal Cupboards, and Metal Store Display and Equipment Units.
Claims use since 1910.

347,201. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BULLOCK'S, INC., Los Angeles, Calif. Filed Mar. 1, 1937. Serial No. 389,508.

CATALINA

For Rugs and Carpets.
Claims use since Feb. 10, 1934.

347,202. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BULLOCK'S, INC., Los Angeles, Calif. Filed Mar. 1, 1937. Serial No. 389,509.

CORONADO

For Rugs and Carpets.
Claims use since May 5, 1934.

347,203. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio. Filed Mar. 12, 1937. Serial No. 389,987.

AMERICAN

For Gas Water Heaters.
Claims use since 1912.

347,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL G. WILLIAMS, Los Angeles, Calif. Filed Mar. 24, 1937. Serial No. 390,479.

BARLEE-KORN

For Bread.
Claims use since Mar. 1, 1935.

347,205. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL G. WILLIAMS, Los Angeles, Calif. Filed Mar. 24, 1937. Serial No. 390,480.

FLAKED-BARLEE

For Bread.
Claims use since Mar. 25, 1935.

347,206. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL G. WILLIAMS, Los Angeles, Calif. Filed Mar. 24, 1937. Serial No. 390,481.

FLAKED-KORN

For Bread.
Claims use since Mar. 25, 1935.

347,207. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL G. WILLIAMS, Los Angeles, Calif. Filed Mar. 24, 1937. Serial No. 390,482.

KORN-MAID

For Bread.
Claims use since May 11, 1935.

347,208. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL G. WILLIAMS, Los Angeles, Calif. Filed Mar. 24, 1937. Serial No. 390,483.

BARLEE-MAID

For Bread.
Claims use since May 11, 1935.

347,209. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SUPPLEE-BIDDLE HARDWARE CO., Philadelphia, Pa. Filed Mar. 25, 1937. Serial No. 390,534.

your money's worth!

For Bit Braces, Soldering Irons, Pliers, Wrench Sets, Screw Drivers, Hammers, Saw Sets, and Back Saws.
Claims use since Mar. 31, 1934, on bit braces; since May 24, 1934, on soldering irons; since Sept. 16, 1934, on pliers; since Sept. 26, 1934, on wrench sets; since Jan. 19, 1935, on screw drivers; since January, 1935, on hammers; since March, 1935, on saw sets; and since Mar. 20, 1936, on back saws.

347,210. (CLASS 47. WINES.) SCHROEDER BROS., INC., New York, N. Y. Filed Apr. 7, 1937. Serial No. 391,040.

Juan J. Palomino

For Sherry.
Claims use since Feb. 20, 1936.

347,211. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OXNARD CITRUS ASSOCIATION, Hueneme, Calif. Filed Apr. 30, 1937. Serial No. 392,105.

OXNARD

For Fresh Citrus Fruits.
Claims use since 1918.

TRADE-MARK REGISTRATIONS RENEWED

116,404. ILLUMINATING, LUBRICATING, AND BURNING OILS AND GREASES. Registered May 1, 1917. CREW LEVICK COMPANY, Philadelphia, Pa. Renewed May 1, 1937, to Cities Service Oil Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

116,406. ILLUMINATING, LUBRICATING, AND BURNING OILS AND GREASES. Registered May 1, 1917. CREW LEVICK COMPANY, Philadelphia, Pa. Renewed May 1, 1937, to Cities Service Oil Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

116,559. LEATHER SHOES. Registered May 8, 1917. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed May 8, 1937.

116,687. WATER-BOTTLES, FOUNTAIN-SYRINGES, COMBINATION-SYRINGES, FACE-BAGS, AND ICE-BAGS. Registered May 15, 1917. THE SEAMLESS RUBBER COMPANY. Renewed May 15, 1937, to The Seamless Rubber Company, Inc., New Haven, Conn., a corporation of Massachusetts, successor.

116,721. CERTAIN NAMED RECEPTACLES. Registered May 15, 1917, to WANDERER-WERKE VORM. WINKLHOFER & JAENICKE AKTIENGESELLSCHAFT, Schonau, Chemnitz, Germany. Renewed May 15, 1937, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany, a corporation of Germany.

116,722. CERTAIN NAMED FURNITURE. Registered May 15, 1917. WANDERER-WERKE VORM. WINKLHOFER & JAENICKE AKTIENGESELLSCHAFT, Schonau, near Chemnitz, Germany. Renewed May 15, 1937, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany, a corporation of Germany.

116,723. CERTAIN NAMED FURNITURE. Registered May 15, 1917. WANDERER-WERKE VORM. WINKLHOFER & JAENICKE AKTIENGESELLSCHAFT, Schonau, near Chemnitz, Germany. Renewed May 15, 1937, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany, a corporation of Germany.

116,809. CERTAIN NAMED CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF. Registered May 22, 1917. WANDERER-WERKE VORM. WINKLHOFER & JAENICKE AKTIENGESELLSCHAFT, Schonau, near Chemnitz, Germany. Renewed May 22, 1937, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany, a corporation of Germany.

116,832. LIQUID TOILET CREAMS. Registered May 29, 1917. WILLIAM E. EVENSON, Baraboo, Wis. Renewed May 29, 1937.

116,968. A MONTHLY PERIODICAL. Registered June 5, 1917. THE NATIONAL PETROLEUM PUBLISHING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed June 5, 1937.

117,009. CERTAIN NAMED PAPER AND STATIONERY. Registered June 5, 1917. WANDERER-WERKE VORM. WINKLHOFER & JAENICKE AKTIENGESELLSCHAFT, Schonau, near Chemnitz, Germany. Renewed June 5, 1937, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany, a corporation of Germany.

117,209. WRINGERS AND PARTS THEREOF. Registered June 19, 1917. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed June 19, 1937.

117,210. KNOCKDOWN HOUSES. Registered June 19, 1917. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed June 19, 1937.

117,448. ROASTED COFFEE. Registered July 10, 1917. THE E. S. KIBBE COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed July 10, 1937.

117,501. CHEWING-GUM. Registered July 17, 1917. AMERICAN CHICLE CO., New York, N. Y. Renewed July 17, 1937, to American Chicle Company, Long Island City, N. Y., a corporation of New Jersey.

117,581. WATER AND OTHER FLUID METERS AND PARTS THEREOF. Registered July 17, 1917. NEPTUNE METER COMPANY, Jersey City, N. J., and New York, N. Y. Renewed July 17, 1937, to Neptune Meter Company, New York, N. Y., a corporation of New Jersey.

117,803. CAKES, CRACKERS, AND BISCUITS. Registered July 31, 1917. YOURS TRULY BISCUIT CO., INC., Seattle, Wash. Renewed July 31, 1937, to Loose-Wiles Biscuit Company, Long Island City, N. Y., a corporation of New York, assignee.

117,842. METAL REFLECTORS FOR LIGHTING-FIXTURES. Registered August 7, 1917. THE DUPLEX LIGHTING SYSTEM INCORPORATED, Chicago, Ill. Renewed August 7, 1937, to The Miller Company, Meriden, Conn., a corporation of Connecticut, assignee.

118,073. REMEDY AND OINTMENT FOR CERTAIN NAMED DISEASES AND AFFECTIONS. Registered August 14, 1917. B. P. MAZA & CO., Chicago, Ill. Renewed August 14, 1937, to B. P. Maza & Co., Tefft, Ind., a firm.

118,363. LUMBER. Registered August 28, 1917. WILLAPA LUMBER CO. Renewed August 28, 1937, to Willapa Harbor Lumber Mills, Raymond, Wash., a corporation of Washington, successor.

118,410. ANT-DESTROYER. Registered September 4, 1917. B. HELLER & CO. Renewed September 4, 1937, to B. Heller & Company, Chicago, Ill., a corporation of Illinois, assignee.

118,527. ANT-DESTROYER. Registered September 18, 1917. B. HELLER & CO. Renewed September 18, 1937, to B. Heller & Company, Chicago, Ill., a corporation of Illinois, assignee.

118,541. CANNED VEGETABLES AND CANNED FRUITS. Registered September 18, 1917. THE E. S. KIBBE COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed September 18, 1937.

118,612. WHEAT-FLOUR. Registered September 18, 1917. THE SOUTHWESTERN MILLING COMPANY, INC., New York, N. Y., and Kansas City, Mo. Renewed September 18, 1937, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

118,738. SNAP-FASTENERS. Registered October 2, 1917. THE AUTOYRE COMPANY, Oakville, Conn., a corporation of Connecticut. Renewed October 2, 1937.

118,895. CERTAIN NAMED CLOTHING FOR MEN'S, BOYS', AND WOMEN'S WEAR. Registered October 9, 1917. MACULLAR PARKER COMPANY, Boston, Mass. Renewed October 9, 1937, to Rogers Peet Company, New York, N. Y., a corporation of Massachusetts, assignee.

119,134. BABBITT METAL. Registered October 23, 1917. SYRACUSE SMELTING WORKS, Brooklyn, N. Y., a corporation of New York. Renewed October 23, 1937.

347,199. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE FOREGGER COMPANY, INC., New York, N. Y. Filed Feb. 13, 1937. Serial No. 388,887.

FOREGGER

For Apparatus, Appliances, Outfits and Parts Thereof for Administering Anesthetics, Inhalers for Oxygen Administration and Resuscitation, Passenger Inhalers for Altitude Flying Airplanes, Anesthesia and Gas Tables and Parts Thereof, Rebreathing Devices for Carbon Dioxide Absorption, Gwathmey Apparatus, Maternity Anesthesia Outfits, Face Cushions, Face Pieces, Breathing Bags, Surgical Inhalers, Goiter Masks, To and Fro CO_2 Absorbers, Circle Filter CO_2 Absorbers and Parts Thereof, Straps, Catheters, Adapters and Catheter Connections, Laryngoscopes, Manometers, Airways, Ether Vaporizers, Vapor Masks, Closed Inhalers, Nasal Inhalers, Nasal Tubes, Mouth Hooks, Control Valve and Cylinder Yokes, Throat Tubes, Oxygen Tents, Respiration Appliances, and Parts for the Named Apparatus and Appliances.

Claims use since June, 1914.

347,200. (CLASS 32. FURNITURE AND UPHOLSTERY.) METAL OFFICE FURNITURE COMPANY, Grand Rapids, Mich. Filed Feb. 18, 1937. Serial No. 389,091.

TERRELL'S

For Metal Fixtures—Namely, Metal Shelving, Metal Lockers, Metal Filing Cabinets, Metal Cupboards, and Metal Store Display and Equipment Units.

Claims use since 1910.

347,201. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BULLOCK'S, INC., Los Angeles, Calif. Filed Mar. 1, 1937. Serial No. 389,508.

CATALINA

For Rugs and Carpets.

Claims use since Feb. 10, 1934.

347,202. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BULLOCK'S, INC., Los Angeles, Calif. Filed Mar. 1, 1937. Serial No. 389,509.

CORONADO

For Rugs and Carpets.

Claims use since May 5, 1934.

347,203. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio. Filed Mar. 12, 1937. Serial No. 389,987.

AMERICAN

For Gas Water Heaters.

Claims use since 1912.

347,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL G. WILLIAMS, Los Angeles, Calif. Filed Mar. 24, 1937. Serial No. 390,479.

BARLEE-KORN

For Bread.

Claims use since Mar. 1, 1935.

347,205. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL G. WILLIAMS, Los Angeles, Calif. Filed Mar. 24, 1937. Serial No. 390,480.

FLAKED-BARLEE

For Bread.

Claims use since Mar. 25, 1935.

347,206. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL G. WILLIAMS, Los Angeles, Calif. Filed Mar. 24, 1937. Serial No. 390,481.

FLAKED-KORN

For Bread.

Claims use since Mar. 25, 1935.

347,207. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL G. WILLIAMS, Los Angeles, Calif. Filed Mar. 24, 1937. Serial No. 390,482.

KORN-MAID

For Bread.

Claims use since May 11, 1935.

347,208. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL G. WILLIAMS, Los Angeles, Calif. Filed Mar. 24, 1937. Serial No. 390,483.

BARLEE-MAID

For Bread.

Claims use since May 11, 1935.

347,209. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SUPPLEE-BIDDLE HARDWARE CO., Philadelphia, Pa. Filed Mar. 25, 1937. Serial No. 390,534.

your money's worth!

For Bit Braces, Soldering Irons, Pliers, Wrench Sets, Screw Drivers, Hammers, Saw Sets, and Back Saws.

Claims use since Mar. 31, 1934, on bit braces; since May 24, 1934, on soldering irons; since Sept. 16, 1934, on pliers; since Sept. 26, 1934, on wrench sets; since Jan. 19, 1935, on screw drivers; since January, 1935, on hammers; since March, 1935, on saw sets; and since Mar. 20, 1936, on back saws.

347,210. (CLASS 47. WINES.) SCHROEDER BROS., INC., New York, N. Y. Filed Apr. 7, 1937. Serial No. 391,040.

Juan J. Palomino

For Sherry.

Claims use since Feb. 20, 1936.

347,211. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OXNARD CITRUS ASSOCIATION, Hueneme, Calif. Filed Apr. 30, 1937. Serial No. 392,105.

OXNARD

For Fresh Citrus Fruits.

Claims use since 1918.

TRADE-MARK REGISTRATIONS RENEWED

116,404. ILLUMINATING, LUBRICATING, AND BURNING OILS AND GREASES. Registered May 1, 1917. CREW LEVICK COMPANY, Philadelphia, Pa. Renewed May 1, 1937, to Cities Service Oil Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

116,406. ILLUMINATING, LUBRICATING, AND BURNING OILS AND GREASES. Registered May 1, 1917. CREW LEVICK COMPANY, Philadelphia, Pa. Renewed May 1, 1937, to Cities Service Oil Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

116,559. LEATHER SHOES. Registered May 8, 1917. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed May 8, 1937.

116,687. WATER-BOTTLES, FOUNTAIN-SYRINGES, COMBINATION-SYRINGES, FACE-BAGS, AND ICE-BAGS. Registered May 15, 1917. THE SEAMLESS RUBBER COMPANY. Renewed May 15, 1937, to The Seamless Rubber Company, Inc., New Haven, Conn., a corporation of Massachusetts, successor.

116,721. CERTAIN NAMED RECEPTACLES. Registered May 15, 1917, to WANDERER-WERKE VORM. WINKLHOFER & JAENICKE AKTIENGESELLSCHAFT, Schonau, Chemnitz, Germany. Renewed May 15, 1937, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany, a corporation of Germany.

116,722. CERTAIN NAMED FURNITURE. Registered May 15, 1917. WANDERER-WERKE VORM. WINKLHOFER & JAENICKE AKTIENGESELLSCHAFT, Schonau, near Chemnitz, Germany. Renewed May 15, 1937, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany, a corporation of Germany.

116,723. CERTAIN NAMED FURNITURE. Registered May 15, 1917. WANDERER-WERKE VORM. WINKLHOFER & JAENICKE AKTIENGESELLSCHAFT, Schonau, near Chemnitz, Germany. Renewed May 15, 1937, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany, a corporation of Germany.

116,809. CERTAIN NAMED CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF. Registered May 22, 1917. WANDERER-WERKE VORM. WINKLHOFER & JAENICKE AKTIENGESELLSCHAFT, Schonau, near Chemnitz, Germany. Renewed May 22, 1937, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany, a corporation of Germany.

116,832. LIQUID TOILET CREAMS. Registered May 29, 1917. WILLIAM E. EVENSON, Baraboo, Wis. Renewed May 29, 1937.

116,968. A MONTHLY PERIODICAL. Registered June 5, 1917. THE NATIONAL PETROLEUM PUBLISHING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed June 5, 1937.

117,009. CERTAIN NAMED PAPER AND STATIONERY. Registered June 5, 1917. WANDERER-WERKE VORM. WINKLHOFER & JAENICKE AKTIENGESELLSCHAFT, Schonau, near Chemnitz, Germany. Renewed June 5, 1937, to Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Siegmar-Schonau, Germany, a corporation of Germany.

117,209. WRINGERS AND PARTS THEREOF. Registered June 19, 1917. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed June 19, 1937.

117,210. KNOCKDOWN HOUSES. Registered June 19, 1917. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed June 19, 1937.

117,448. ROASTED COFFEE. Registered July 10, 1917. THE E. S. KIBBE COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed July 10, 1937.

117,501. CHEWING-GUM. Registered July 17, 1917. AMERICAN CHICLE CO., New York, N. Y. Renewed July 17, 1937, to American Chicle Company, Long Island City, N. Y., a corporation of New Jersey.

117,581. WATER AND OTHER FLUID METERS AND PARTS THEREOF. Registered July 17, 1917. NEPTUNE METER COMPANY, Jersey City, N. J., and New York, N. Y. Renewed July 17, 1937, to Neptune Meter Company, New York, N. Y., a corporation of New Jersey.

117,803. CAKES, CRACKERS, AND BISCUITS. Registered July 31, 1917. YOURS TRULY BISCUIT CO., INC., Seattle, Wash. Renewed July 31, 1937, to Loose-Wiles Biscuit Company, Long Island City, N. Y., a corporation of New York, assignee.

117,842. METAL REFLECTORS FOR LIGHTING-FIXTURES. Registered August 7, 1917. THE DUPLEX LIGHTING SYSTEM INCORPORATED, Chicago, Ill. Renewed August 7, 1937, to The Miller Company, Meriden, Conn., a corporation of Connecticut, assignee.

118,073. REMEDY AND OINTMENT FOR CERTAIN NAMED DISEASES AND AFFECTIONS. Registered August 14, 1917. B. P. MAZA & Co., Chicago, Ill. Renewed August 14, 1937, to B. P. Maza & Co., Tefft, Ind., a firm.

118,363. LUMBER. Registered August 28, 1917. WILLAPA LUMBER CO. Renewed August 28, 1937, to Willapa Harbor Lumber Mills, Raymond, Wash., a corporation of Washington, successor.

118,410. ANT-DESTROYER. Registered September 4, 1917. B. HELLER & Co. Renewed September 4, 1937, to B. Heller & Company, Chicago, Ill., a corporation of Illinois, assignee.

118,527. ANT-DESTROYER. Registered September 18, 1917. B. HELLER & Co. Renewed September 18, 1937, to B. Heller & Company, Chicago, Ill., a corporation of Illinois, assignee.

118,541. CANNED VEGETABLES AND CANNED FRUITS. Registered September 18, 1917. THE E. S. KIBBE COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed September 18, 1937.

118,612. WHEAT-FLOUR. Registered September 18, 1917. THE SOUTHWESTERN MILLING COMPANY, INC., New York, N. Y., and Kansas City, Mo. Renewed September 18, 1937, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

118,738. SNAP-FASTENERS. Registered October 2, 1917. THE AUTOYRE COMPANY, Oakville, Conn., a corporation of Connecticut. Renewed October 2, 1937.

118,895. CERTAIN NAMED CLOTHING FOR MEN'S, BOYS', AND WOMEN'S WEAR. Registered October 9, 1917. MACULLAR PARKER COMPANY, Boston, Mass. Renewed October 9, 1937, to Rogers Peet Company, New York, N. Y., a corporation of Massachusetts, assignee.

119,134. BABBITT METAL. Registered October 23, 1917. SYRACUSE SMELTING WORKS, Brooklyn, N. Y., a corporation of New York. Renewed October 23, 1937.

LABELS

REGISTERED JUNE 15, 1937

49,406.—*Title:* INSUPERABLE. For Tomato Paste. ALESSANDRIA SAUSAGE CO., Pittsburgh, Pa. Published February 26, 1937.

49,407.—*Title:* BLUE SWAN. For Underwear. BLUE SWAN MILLS, INC., New York, N. Y. Published February 23, 1937.

49,408.—*Title:* JEANNE'S NEW SALAD DRESSING. For Salad Dressing. JEANNE MCCLOY BRENNER, Pittsburgh, Pa. Published November 24, 1936.

49,409.—*Title:* JEANNE'S COCKTAIL SAUCE. For Cocktail Sauce. JEANNE MCCLOY BRENNER, Pittsburgh, Pa. Published November 24, 1936.

49,410.—*Title:* ITALIAN MAID. For Port Wine. BRONTE CHAMPAGNE & WINE CO., INC., Detroit, Mich. Published October 1, 1936.

49,411.—*Title:* ORIOLE. For Lager Beer. THE CHESAPEAKE BREWING CORPORATION, Baltimore, Md. Published March 23, 1937.

49,412.—*Title:* SILVER QUEEN. For Wine. CHICAGO LIQUOR CO., Chicago, Ill. Published February 1, 1936.

49,413.—*Title:* CO-PRO-CO. For Powder to be Dissolved in Luke Warm Water To Lengthen the Wear of Silk Hose and Lingerie. COBB PRODUCTS COMPANY, Okmulgee, Okla. Published March 26, 1937.

49,414.—*Title:* GUSHER BRAND ROTARY DRILLING CLAY. For Rotary Drilling Clay. A. COURCHESNE, INC., doing business as El Paso Clay and Powder Company, El Paso, Tex. Published February 26, 1936.

49,415.—*Title:* DAIRYLEA PROCESS AMERICAN CHEESE. For Cheese. DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica and New York, N. Y. Published March 27, 1934.

49,416.—*Title:* STEIN BREW. For Lager Beer. A. GETTELMAN BREWING CO., Milwaukee, Wis. Published March 1, 1937.

49,417.—*Title:* HOUSEHOLD BREAD. For Bread. H. R. GRANT BAKING CO., Chicago, Ill. Published October 15, 1936.

49,418.—*Title:* KING KELLY. For Orange Juice. CROSBY W. MAGNUSSON, doing business as King Kelly Marmalade Company, Bellflower, Calif. Published November 27, 1936.

49,419.—*Title:* MELHAVEN-MARYLAND STRAIGHT RYE WHISKEY. For Maryland Straight Rye Whiskey. MARYLAND WHISKEY DISTRIBUTING COMPANY, Baltimore, Md. Published February 16, 1937.

49,420.—*Title:* RED BIRD. For Brooms. MERKEL BROOM COMPANY, Paris, Ill. Published February 1, 1937.

49,421.—*Title:* DIRGO. For A Cleanser in Powdered Form. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Published February 15, 1937.

49,422.—*Title:* SAPONIFIER. For Lye. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Published February 24, 1937.

49,423.—*Title:* AMERICAN INDIAN HEAD. For Lye. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Published February 24, 1937.

49,424.—*Title:* LEWIS. For Lye. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Published March 6, 1937.

49,425.—*Title:* EAGLE. For Lye. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Published February 24, 1937.

49,426.—*Title:* GREENWICH. For Lye. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Published February 24, 1937.

49,427.—*Title:* DIXIE LYE. For Lye. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Published February 24, 1937.

49,428.—*Title:* SERVICE. For Lye. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Published February 24, 1937.

49,429.—*Title:* CREAMERY BUTTER. For Butter. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published December 23, 1936.

49,430.—*Title:* ROYAL. For Salad Gelatin (Aspic). STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 12, 1937.

49,431.—*Title:* WORMSER. For Hats. TRADE LITHOGRAPH & PRINTING CO. INC., New York, N. Y. Published August 12, 1936.

49,432.—*Title:* CIRCUS DOG. For Dog and Cat Food. VIMPEP FOODS, INC., Cambridge, Md. Published February 10, 1937.

49,433.—*Title:* NO-RUB SHOE WHITE. For White Shoe Dressing. WILBERT PRODUCTS, INC., New York, N. Y. Published January 15, 1936.

49,434.—*Title:* WISPRIDE. For Cheese. WISCONSIN CHEESE PUBLICITY ASSOCIATION, INC., Kiel, Wis. Published July 20, 1936.

49,435.—*Title:* BEAR HUG. For Confection Coated Ice Cream Bars. YARGER, ASH & BRADFORD, INC., South Bend, Ind. Published February 15, 1937.

PRINTS

REGISTERED JUNE 15, 1937

16,222.—*Title:* 1¢ SALE, CHOCOLATES FOR 1¢ PER POUND. For Candy and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published April 23, 1937.

16,223.—*Title:* THESE ARE THE POPULAR WAYS TO COVER YOUR FLOORS TODAY. For Rugs and Carpets. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published March 10, 1937.

16,224.—*Title:* OBSERVATIONS OF A KITCHEN CLOCK. (6⅛" by 8¾"). For Coffee. HILLS BROS., San Francisco, Calif. Published February 21, 1937.

16,225.—*Title:* PACER THE NEW TYPE SOCK WITH THE WASHABLE GARTER ATTACHED. For Socks. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Published March 15, 1937.

16,226.—*Title:* KING FLAX. For Men's Linen Suits. D. H. HOLMES CO., LTD., New Orleans, La. Published April 23, 1937.

16,227.—*Title:* TO LEAD THE EASTER GIFT-PARADE. For Fountain Pens, Mechanical Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published March 13, 1937.

16,228.—*Title:* ROYAL HAWAIIAN SOUVENIR HAWAII—THE LAND OF SCENERY, SUNSHINE, AND GAIETY. For Souvenirs. ROYAL HAWAIIAN DISTRIBUTING CO., DIVISION OF PANG SEE & CO., LTD., Honolulu, Territory of Hawaii. Published March 3, 1937.

REISSUES

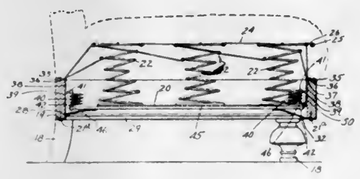
JUNE 15, 1937

20,406
UPHOLSTERY CONSTRUCTION

Albert M. Bank, Jersey City, N. J., assignor to Sylvia Bank, Jersey City, N. J.

Original No. 1,894,262, dated January 17, 1933, Serial No. 379,686, July 20, 1929. Application for reissue January 16, 1935, Serial No. 2,053

12 Claims. (Cl. 155—179)



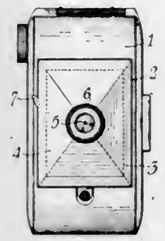
1. In upholstery construction of the character described, a frame, one piece webbing fixed at all four sides thereof to said frame, and means for maintaining said webbing out of the plane of the underside portion of said frame, said means comprising a rod, resilient means engaging the ends of said rod for resiliently suspending the same, from opposite sides of said frame, said rod engaging an intermediate portion of said webbing.

20,407
FOLDING TRIGGER FOR SHUTTERS

Newton B. Green, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Original No. 2,019,699, dated November 5, 1935, Serial No. 4,116, January 30, 1935. Application for reissue October 10, 1936, Serial No. 105,100

10 Claims. (Cl. 95—53)



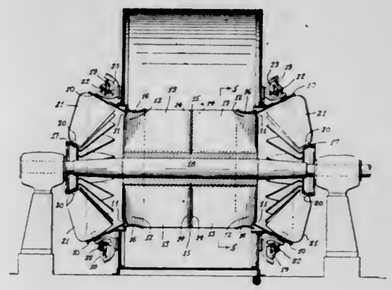
1. In a folding camera, the combination with a camera body, of a shutter therefor movably mounted thereon, a trigger movably mounted on the shutter and movable to and from a folded position in which the trigger lies close to the shutter as distinguished from an unfolded position in which the trigger projects from the shutter, and means for projecting the trigger from the shutter by moving the shutter from the camera body and into a picture taking position.

20,408
CENTRIFUGAL FAN

Harold F. Hagen, Dedham, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.

Original No. 2,050,700, dated August 11, 1936, Serial No. 22,979, May 23, 1935. Application for reissue August 20, 1936, Serial No. 97,043

5 Claims. (Cl. 230—114)



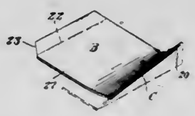
1. A centrifugal fan adapted to be rotated at a substantially constant speed comprising a fan wheel, means forming a venturi shaped inlet passage leading to said wheel and having an outer diameter substantially greater than and having an inner diameter substantially equal to that of said wheel, a plurality of adjustable spin inducing vanes in said passage, pivoted on axes which are oblique to the axis of said wheel and which extend crosswise the gas stream entering said passage, and means for adjusting said vanes through a range of adjustment, throughout which range said vanes impart a spin to the gas entering said wheel which is dependent upon the degree of adjustment, said wheel having a plurality of fan blades with propeller type curved inlet portions which extend to points immediately adjacent the output edges of said vanes so as to cooperate with said vanes to increase the spin imparted by said vanes to the gas entering said wheel.

20,409
CENTRIFUGAL FLUID MOVING APPARATUS

Harold F. Hagen, Dedham, Mass., assignor to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass.

Original No. 2,004,516, dated June 11, 1935, Serial No. 733,783, July 5, 1934. Application for reissue September 11, 1936, Serial No. 100,315

25 Claims. (Cl. 230—134)



1. Centrifugal air moving apparatus, comprising a main casing, a fan wheel having a plurality

of fan blades rotatable therein, each of said blades having a flat radial main working portion and a curved inlet portion shaped to direct air axially along said main portion, a shrouding ring around and attached to each of said blades at its periphery, a recessed portion in each of said blades and between it and the outermost edge of said ring, and an inlet casing attached to said main casing and terminating between the outermost edge of said ring and extending into said recessed portions of said blades.

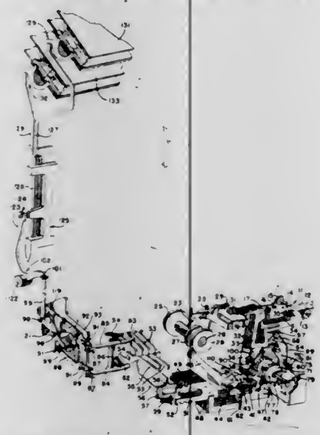
20,410

MAGAZINE SHIFT FOR LINE CASTING AND COMPOSING MACHINES

Edward S. Larson, Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware

Original No. 2,036,282, dated April 7, 1936, Serial No. 705,646, January 8, 1934. Renewed March 28, 1935. Application for reissue July 6, 1936, Serial No. 89,259

22 Claims. (Cl. 199—19)



2. In a linecasting and composing machine, a plurality of matrix storage magazines, a line composing mechanism including apparatus capable of being placed into communicable association with said magazines individually, a record reader responsive to stored signals for initiating the performance of said composing mechanism, means under the control of said record reader for shifting said apparatus between said magazines, and a delay factor for momentarily suspending the response of said shifting means to its control by said record reader until preceding line composition functions shall have had time to be fully consummated.

20,411

DITHIOPHOSPHATE COMPOUNDS

Charles J. Romieux, Summit, and Kenneth D. Ashley, Cranford, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Original No. 1,949,629, dated March 6, 1934, Serial No. 270,796, April 17, 1928. Application for reissue March 2, 1936, Serial No. 66,756

8 Claims. (Cl. 18—53)

1. A vulcanizable rubber composition containing a vulcanization agent and a vulcanization accelerator comprising the reaction product of a di-thiophosphate and a chlorine compound of sulphur.

20,412

ENERGY TRANSMISSION

Henry Salvatori, Hollywood, Calif., assignor to Western Geophysical Company, Tulsa, Okla., a corporation of Delaware

No Drawing. Original No. 2,073,493, dated March 9, 1937, Serial No. 76,259, April 24, 1936. Application for reissue March 27, 1937, Serial No. 133,347

6 Claims. (Cl. 181—0.5)

1. A method of increasing the energy transmitted from an explosive charge to a dense neighboring formation such as limestone which comprises interposing between said explosive charge and said neighboring formation a layer of a less dense, plastic energy-transmission-medium selected from the group consisting of shale, clay and liquid-permeated-sand, and then detonating said explosive charge, the characteristics of said energy-transmission-medium being such that the overall efficiency of transfer of seismic energy from said explosive charge to said neighboring formation is greater than that of direct transfer from said explosive charge to said neighboring formation.

20,413

HIGH TEMPERATURE REFRACTORY CEMENT

Gilbert E. Seil, Cynwyd, Pa., assignor to E. J. Lavino and Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Original No. 2,042,363, dated May 26, 1936, Serial No. 44,685, filed October 12, 1935. Application for reissue filed January 30, 1937, Serial No. 123,297

10 Claims. (Cl. 106—9)

1. A cement material for refractory uses comprising essentially heat treated recrystallized chromite, sodium silicate and periclase.

20,414

DOLL

Adolph Cohen, Brooklyn, N. Y.

Original No. 2,040,201, dated May 12, 1936, Serial No. 65,467, February 24, 1936. Application for reissue January 11, 1937, Serial No. 120,133

7 Claims. (Cl. 46—141)



1. In a doll, a head having an open mouth, a body formed from joined companion liquid resisting flexible sections, a funnel interiorly of the body formed from joined companion liquid resisting flexible sections and constituting a direct liquid lead from the head to a point of external discharge at a leg crotch in said body, means within the funnel to maintain it against collapsing, and a liquid absorber within the funnel and emitting liquid absorbed thereby on compressing the body, the funnel being tacked to the body sections at the end thereof next to the head and to opposite sides of the leg crotch with respect to the point of the liquid discharge.

PLANT PATENTS

GRANTED JUNE 15, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

251

CHRYSANTHEMUM

Robert C. Murphey, Urbana, Ohio, assignor to R. H. Murphey's Sons Company, Urbana, Ohio

Application December 5, 1936, Serial No. 114,504

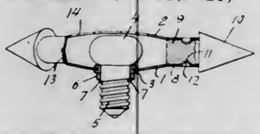
1 Claim. (Cl. 47—60)

A new and distinct variety of chrysanthemum plant as herein shown and described, characterized by its many-flowered and spheroidal habit of growth, its early blooming period, and the yellow color of its flower.

PATENTS

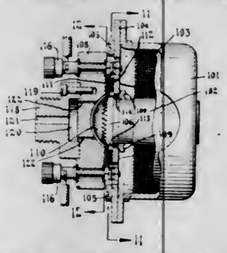
GRANTED JUNE 15, 1937

2,083,536
CHRISTMAS TREE LIGHTING DEVICE
Abraham Abramson, New York, N. Y., assignor, by mesne assignments, to G. B. G. Corporation, Newark, N. J., a corporation of New Jersey
Application November 2, 1934, Serial No. 751,195
2 Claims. (Cl. 240—10)



1. An ornamental unitary device of the class described comprising a pair of spaced plates forming a central chamber and having tubular arms extending outwardly from said chamber, glass members having shanks fitting in and fastened to said arms, the ends of the glass members beyond the shank being of ornamental shape for the purpose described, one of said plates having a hole therein, an insulator having a centrally located hole and an exteriorly located annular groove receiving the rim of said plate hole, a lamp bulb located within the central chamber and having its stem fitting in the hole of said insulator and extending away from the said plate, and retaining means on the stem for engaging the stem and insulator to securely hold the bulb in place so the device may be applied as a unit to a current supply socket.

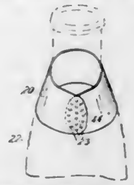
2,083,537
ELECTROACOUSTICAL TRANSLATING DEVICE
Alexander I. Abrahams, New York, N. Y.
Application June 13, 1934, Serial No. 730,390
6 Claims. (Cl. 179—115.5)



4. A wave translating device comprising a vibratory diaphragm, a sound chamber at one side of said diaphragm, means dividing said chamber into two compartments, acoustic conduits connecting said compartments, said conduits being positioned with respect to the center of said diaphragm so that attenuation effects due to co-phasic drive of the diaphragm will be substantially eliminated.

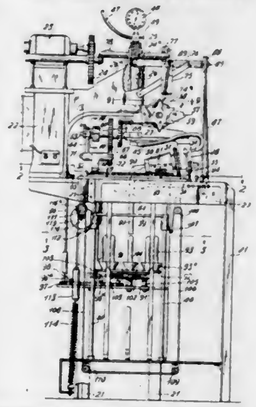
2,083,538
BOTTLE COLLAR
Harry F. Affelder, Cleveland Heights, Ohio
Application May 14, 1934, Serial No. 725,562
1 Claim. (Cl. 40—4)

An article of the character described formed from a strip of flexible material having its ends overlapped and held together by an adhesive applied so as to be between the overlapping ends



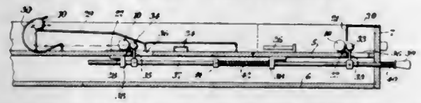
and by tabs punched in the adhering overlapping ends whereby the tabs prevent the spreading of the ends before the adhesive dries.

2,083,539
MACHINE AND PROCESS FOR MAKING BOTTLE COLLARS AND THE LIKE
Harry F. Affelder, Cleveland Heights, Ohio
Application November 12, 1934, Serial No. 752,636
19 Claims. (Cl. 93—79)



1. The process of making articles such as described from a strip of flexible material which comprises bending the strip to substantially the shape of the completed article with the ends of the strip overlapping, and with a rolling action forming and laterally displacing tabs in the overlapping portions.

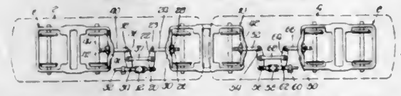
2,083,540
GAME
Henry W. Armstrong, Short Beach, Conn., assignor to Joseph Schneider, Incorporated, New York, N. Y.
Application April 20, 1935, Serial No. 17,435
2 Claims. (Cl. 273—119)



1. Game apparatus comprising a game board having an inclined playing surface provided with a longitudinally extending group of ball receiving pockets and barriers cooperatively associated

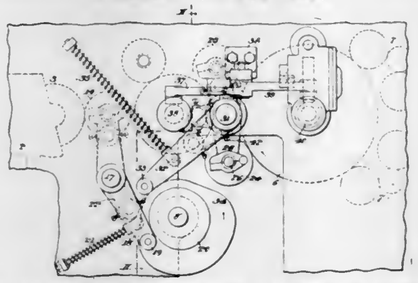
with said pockets, stops fixed to the board surface in spaced relation from each end of the group of pockets to arrest the gravity movement of balls on said surface, a movable striker adjacent to each of said stops, and means for simultaneously actuating said strikers to project balls engaged with the respective stops in the same direction and direct one of said balls towards said group of pockets and the other one of said balls away from said group of pockets, and means for reversing the movement of the latter ball and directing the same towards the group of pockets.

2,083,541
BRAKE
Ray G. Aurien, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 11, 1936, Serial No. 100,238
22 Claims. (Cl. 188—47)



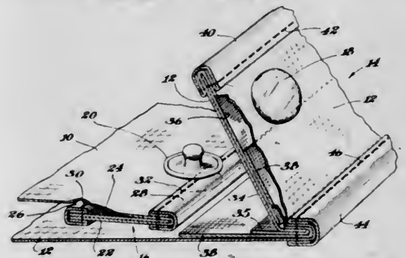
1. In a railway vehicle including a plurality of car bodies supported on spaced car trucks, one of said trucks providing common support for adjacent car bodies, the combination of power means mounted on each of said car bodies, live and dead horizontal levers connected at their outer ends to said power means and intermediate their ends to each other, pull rods connecting the inner ends of said live and dead horizontal levers to equalizers mounted respectively on said common truck and on a spaced truck, operative connections between said equalizers and brake riggings associated respectively with said common truck and with said spaced truck, the rigging associated with said spaced truck comprising dead truck levers supported outwardly of the wheels, hangers supporting the live truck levers intermediate the wheels, straps connecting said live and dead truck levers for each wheel, live and dead horizontal levers intermediate the wheels, said horizontal levers having their inner ends connected to said live truck levers and their outer ends connected to each other, and an operative connection between said live horizontal lever and the equalizer associated with said spaced truck.

2,083,542
INKING MECHANISM FOR ROTARY PRINTING PRESSES
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application June 20, 1935, Serial No. 27,481
4 Claims. (Cl. 101—350)



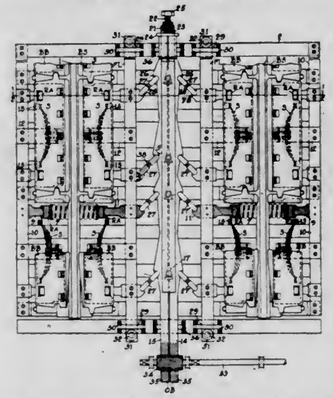
1. In an inking mechanism for printing presses, a vibratory low speed ink cylinder, a vibratory high speed ink cylinder, a pair of ductor rollers operating between them, and means for adjusting the relative positions of the two ductor rollers.

2,083,543
GARMENT CONTAINER
Leo A. Baum, Newark, N. J.
Application January 3, 1935, Serial No. 209
8 Claims. (Cl. 206—7)



1. In a transparent garment bag, a pair of flexible transparent walls having their edges joined to each other so as to form a bag open at one side, a sealing closure comprising overlapping flaps formed from the edge portions of the walls adjacent the mouth or open side of the bag, reinforcing fabric strips adapted to stiffen and to strengthen said flaps, positioned intermediate said flaps and the adjacent wall portion of the bag, a reinforcing strip continuously associated with the portion forming the hinge between one of said walls and one of said flaps, and complementary fastening members carried by said flaps.

2,083,544
CAR RETARDER FOR RAILROADS
Ned C. L. Brown, Scottsville, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 15, 1934, Serial No. 711,393
9 Claims. (Cl. 188—62)



1. In a car retarder of the track brake type, brake shoes adjacent the two sides of each of the two rails constituting a stretch of single track, and a single continuous adjusting means, positioned between the track rails, for adjusting the initial position of the shoes relative to the rails to vary the degree of retardation, the adjusting means being at all times freely slidably movable transversely of the rails whereby to transmit braking stresses from one rail to the other and to equalize the braking forces on the two wheels on an axle regardless of the wheel thicknesses.

2,083,545
PROCESS OF MAKING ALKALI SUB-SILICATES
Clarence W. Burkhart, Lansdowne, Pa., and Walter S. Riggs, Audubon, N. J., assignors to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application April 10, 1935, Serial No. 15,722
18 Claims. (Cl. 23—110)

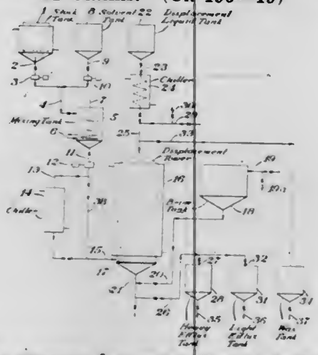
1. The process of preparing a solid alkali subsilicate, which comprises mixing together powdered silica and solid caustic alkali in such molecular proportions that the alkali oxide content of the mixture is not less than the silicon dioxide content and in the absence of sufficient water to dissolve a substantial portion of the caustic alkali present, and heating the mixture to a temperature below the fusion point of caustic alkali sufficient to cause the reaction between the silica and caustic alkali to form a sub-silicate.

2,083,546
OIL FILTER
Thomas Edward Aldham, Providence, R. I.
Application June 20, 1933, Serial No. 676,675
7 Claims. (Cl. 210—131)



4. In a liquid filter, a replaceable cartridge casing unit comprising within said casing a vertically arranged supporting wall of material inherently self-supporting and materially resistant to edgewise compression arranged generally parallel to the axis of the cartridge, loosely assembled filter material unmatted and shapeless when in unsupported position along and in contact with said wall and supported thereby, said material completely filling the cartridge along a lateral section except for said wall, said wall leading the liquid to be filtered along it to afford a flow of liquid through the cartridge parallel to the axis thereof.

2,083,547
PROCESS FOR TREATMENT OF OIL-WAX MIXTURES
Joseph A. Alexander, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 30, 1935, Serial No. 4,159
11 Claims. (Cl. 196—19)



8. The process for separating a hydrocarbon oil-wax mixture into solid constituents and liquid constituents, which comprises adding to the oil-wax mixture a solvent liquid, heating the admixture to a temperature sufficient to effect solution, cooling the solution to crystallize therefrom less than substantially 10% by volume of solid wax, passing the solution containing the crystallized wax into a displacing zone to form a wax mass of substantial uniformity introducing a quantity of displacing liquid equal to about 15% to 60% of the volume of said mass into said zone while preventing substantial agitation of the wax mass and passing said displacing liquid through said wax mass, without substantial agitation thereof and under a low differential pressure to displace therefrom the liquid constituents contained therein.

2,083,548
MATERIAL-BREAKING APPARATUS
Frank H. Armstrong, Chicago, Ill., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois
Application April 27, 1935, Serial No. 18,579
Renewed July 27, 1936
12 Claims. (Cl. 102—6)



4. A material-breaking shell having a charge-receiving chamber with a discharge orifice and a control chamber, a valve in operative relation to said orifice for controlling the latter, means associated with said valve and positioned in said control chamber and responsive to the relative pressures in said charge-receiving chamber and control chamber for determining the position of said valve, and vent means operative when said valve is in open position for venting one end of said control chamber to atmosphere.

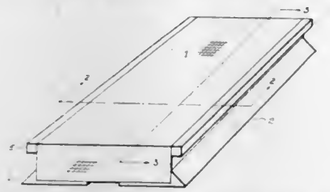
2,083,549
THE MANUFACTURE OF SULPHURIZED ORGANIC ISOCOLLOIDS
László Auer, Budapest, Hungary, and Paul Stamberger, London, England, assignors to J. Randolph Newman, Washington, D. C., trustee
No Drawing. Application May 6, 1929, Serial No. 361,000. Renewed February 18, 1936
In Great Britain May 10, 1928
25 Claims. (Cl. 106—23)

1. In the manufacture of vulcanized oil products from fatty oils, including raw fatty oils and modified, bodied fatty oils, the process which comprises mixing said fatty oil with a vulcanizing agent, heating the mixture until a partially vulcanized fatty oil is obtained, and then emulsifying the said partially vulcanized fatty oil in an aqueous medium and heating the emulsion thus obtained to temperatures below 160° C. to complete the vulcanization without hydrosaponifying the glyceride.

2,083,550
MANUFACTURE OF VULCANIZED ORGANIC ISOCOLLOIDS
László Auer, Budapest, Hungary, assignor to J. Randolph Newman, Washington, D. C., as trustee
No Drawing. Application June 13, 1929, Serial No. 370,733. Renewed February 18, 1936. In Great Britain June 13, 1928
18 Claims. (Cl. 106—23)

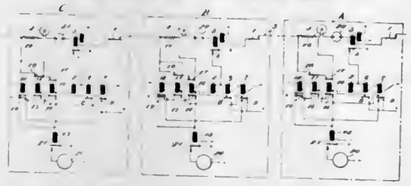
1. In the manufacture of vulcanized products from organic isocolloid materials, containing high molecular acids and their derivatives, and capable of being sulphurized, the process which comprises mixing the said material with a vulcanizing agent, heating the mixture to a vulcanizing temperature and simultaneously passing a current of steam through the so heated mixture.

2,083,551
SURFACE CLEANING DEVICE
Lee O. Balinger, Lakewood, Ohio, assignor of two-thirds to William J. Wesseler, Cleveland, Ohio
Application July 22, 1932, Serial No. 624,033
11 Claims. (Cl. 15—126)



4. A window-cleaning device made wholly of hollow rubber having a substantial degree of elasticity, and being formed adjacent one side with an orifice, and with a squeegee element having a portion closing over the outer end of said orifice adapted to be used as a liquid distributing and liquid cut-off device.

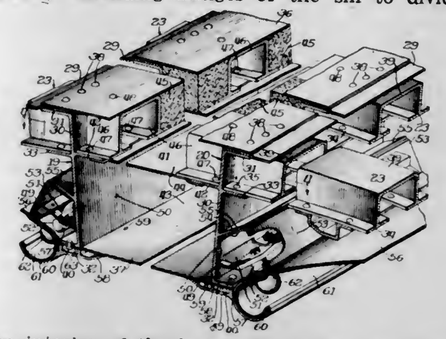
2,083,552
STATION SELECTING SYSTEM
Abraham Sundahl Benjamin, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 9, 1927, Serial No. 232,073
43 Claims. (Cl. 178—4.1)



1. An inter-communicating system for telegraph printers, comprising a plurality of stations, receivers at each of said stations, a single circuit connecting all of said stations, means including said single circuit for selecting any one and thereafter any other one of said stations, and means including said single circuit for transmitting signalling impulses for operating said receivers at the selected stations.

2,083,553
TOP SILL
Martin P. Blomberg, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application July 16, 1934, Serial No. 735,360
7 Claims. (Cl. 105—397)

1. A longitudinal stress member for the roof of railway cars, or similar vehicles, comprising a pair of top sills each having laterally extending flanged reinforcements, one of said flanged reinforcements being spaced from the top of the sill and extending inwardly, stress plates joining the top sills above and below to form a box girder, and an intermediate plate secured to the inwardly extending flanges of the sill to divide



the interior of the box girder into an air duct and a space for insulation.

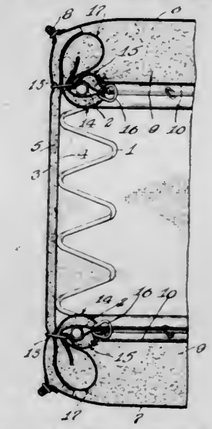
2,083,554
CELLULOSE ETHERS
Louis H. Bock and Alva L. Houk, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application June 24, 1936, Serial No. 86,986
9 Claims. (Cl. 260—152)

1. A cellulose ether containing the group

$$R-O-\underset{\displaystyle R'}{\overset{\displaystyle H}{C}}-O-R''-$$

wherein R is an alkyl group, R' is a hydrogen atom or an alkyl group, and R'' is a hydrocarbon group containing at least two carbon atoms.

2,083,555
SPRING FILLED MATTRESS OR CUSHION
Joseph W. Bowersox, Kansas City, Mo., assignor to Superior Felt and Bedding Company, a corporation of Illinois
Application September 1, 1933, Serial No. 687,831
Renewed September 14, 1936
7 Claims. (Cl. 5—351)



1. The combination with a spring filled cushion comprising a spring core including springs connected together by a border wire around the top, and an enclosing casing structure for said core, of a long rope-like pad extending along the outer

side of the border wire, said pad having padded wing sections extending therefrom inwardly past opposite sides of said wire, and means securing said wing sections together on the inner side of the wire to form an envelope for the wire.

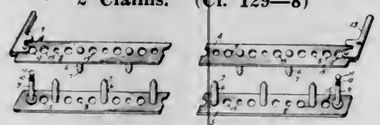
2,083,556

MEANS FOR TRANSFERRING AND INSERTING SHEETS

Hugh G. Buchan, Drexel Hill, Pa.; Frank Hartzell executor of said Hugh G. Buchan, deceased

Application August 10, 1933, Serial No. 684,508

2 Claims. (Cl. 129—8)



1. A loose leaf binder consisting of a pair of slats each having a plural number of leaf binding posts positioned thereon and a plural number of apertures formed therein and positioned for receiving each of said binding posts, a locking post mounted on one of said slats and a locking lever positioned on the other of said slats for cooperative engagement with the said locking post for locking the said slats together, each of said slats having further formed therein one or more mounting apertures so positioned that the apertures of one slat register with the apertures of the other slat.

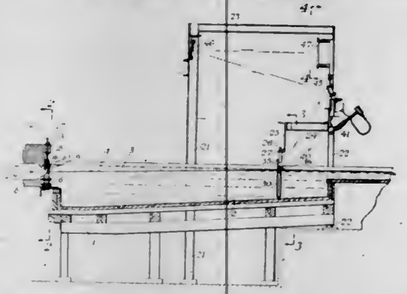
2,083,557

EXTRUSION APPARATUS

Paul W. Crane, Montclair, and Reuben T. Fields, Arlington, N. J., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application April 27, 1935, Serial No. 18,681

6 Claims. (Cl. 18—15)



1. In an apparatus for extruding plastic in sheet form, the combination comprising a slit-like orifice through which the plastic is extruded, a plurality of means for controlling the caliper of the sheet at spaced intervals across its width as it is extruded, a fixed straight edge positioned parallel to and in front of said orifice over which edge the sheet passes and on which the sheet bears, a plurality of individual rockers pivotally mounted above said straight edge with their axes parallel to said straight edge, said rockers being positioned so as to bear lightly on the sheet as it passes over said straight edge, and means for indicating the angular movement of each rocker about its axis caused by variations in the caliper of the sheet passing between the straight edge and the rockers.

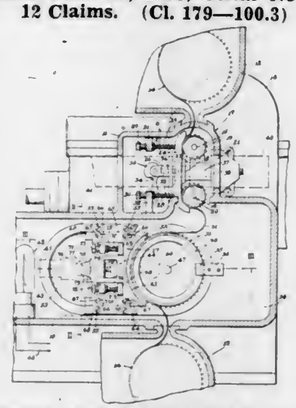
2,083,558

MOVING PICTURE SOUND HEAD

John N. Ehrmeyer, Chicago, Ill.

Application June 12, 1933, Serial No. 675,353

12 Claims. (Cl. 179—100.3)



1. A moving picture sound head comprising a casing, a film feeding sprocket rotatably mounted in said casing, a moving picture film adapted for meshing engagement with said sprocket, said moving picture film having an edge region thereof projecting beyond the peripheral surface of said sprocket, an arcuate shoe yieldingly mounted for contact with the periphery of said sprocket to hold the film in engagement therewith, means comprising a lamp for directing light rays through the edge region of said film, and a photo-electric cell in the path of said light rays passing through said film for conversion to corresponding sound impulses.

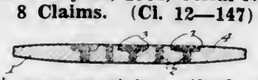
2,083,559

METHOD OF SHOE HEEL ATTACHMENT

Hiram Gordon, Columbus, Ohio, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application May 23, 1934, Serial No. 727,155

8 Claims. (Cl. 12—147)



1. That improvement in methods of attaching heels to shoes which comprises producing registering openings in the heel receiving region of a shoe outsole and insole, filling said openings with a cement, providing a film of said cement between the outsole and an adjoining heel body, activating the film immediately prior to the joining of the heel body with said outsole, and while the cement is so activated, holding the heel body under pressure in its seated position on the outsole during the setting of the cement.

2,083,560

PUMP

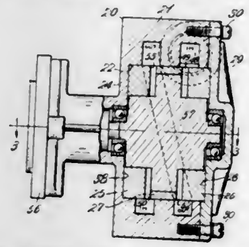
Ralph E. Grey and Bernice L. Boynton, Osborn, Ohio

Application September 14, 1936, Serial No. 100,674

5 Claims. (Cl. 103—139)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A pump comprising a housing having an axial bore therein and inlet and outlet openings for the admission and discharge of fluid, a sleeve secured within said axial bore, cam members secured in said axial bore and disposed upon opposite sides of said sleeve, the inner adjacent sides of said members having pairs of helical surfaces arranged opposite one another but in reverse relation, the pairs of helical surfaces extending in spaced relation with respect to the adjacent portions of said sleeve to provide pairs of inlet and exhaust ports disposed on opposite sides of said sleeve and arranged in reverse relation diametrically opposite, said housing having an inlet passageway communicating at one end with said inlet opening and extending around one side thereof and communicating with the inlet ports on opposite sides of said sleeve, and an outlet passageway communicating at one end with said outlet opening and extending around the opposite side of said housing and communicating with the exhaust ports on opposite sides



of said sleeve, a rotor rotatably mounted in said housing and having a peripheral extension adapted for running engagement with the inner peripheral surface of said sleeve between said inlet and exhaust ports, said extension having a plurality of radially disposed slots therein, and blades slidably mounted in said slots and having their opposite ends engageable with the inner adjacent sides of said cam members whereby during rotation of said rotor said blades are moved laterally successively in one direction and reversely in the opposite direction thereby causing fluid to be drawn through the inlet ports alternately on opposite sides of said extension and discharged from the exhaust ports alternately on opposite sides of said extension.

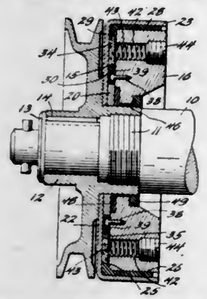
2,083,561

INTERNAL COMBUSTION ENGINE

Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application January 15, 1935, Serial No. 1,957

12 Claims. (Cl. 74—574)



7. In a vibration damper for shafts, the combination of a shaft carried member having a disk-like portion formed to provide a radial surface, an inertia member arranged adjacent said shaft carried member and having a radial surface disposed in opposed spaced relation to said radial surface of said disk-like portion of said shaft carried member, friction developing means acting between said opposed surfaces of the shaft carried and inertia members, resilient means associated with said friction developing means to increase the friction developed therein, and means of deformable imperfectly elastic material interposed between and bonded to said opposed surfaces, some of said material being radially inward and some radially outward of said friction developing means.

2,083,562

ART OF MAKING IRON CASTINGS

Philip E. Harth and Malvin A. Baernstein, St. Louis, Mo., assignors to National Pigments and Chemical Company, St. Louis, Mo., a corporation of Missouri

No Drawing. Application March 29, 1933, Serial No. 663,339

4 Claims. (Cl. 75—53)

1. In the art of making cast iron castings in which iron in the form of pig iron, scrap iron, or both, is reduced to a molten condition and run into molds, the process comprising, melting the iron in the presence of barium sulphate and barium sulphide.

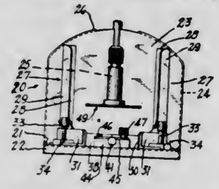
2,083,563

ORTHODONTIC MOLD APPLIANCE

Thomas Hill and Chester P. Lucas, New York, N. Y.

Application December 11, 1935, Serial No. 53,861

9 Claims. (Cl. 18—34.1)



1. Orthodontic molding apparatus including a horizontal base, a back projecting upwardly therefrom, means for determining the contour of an article to be molded, said means including separate side elements engageable with the base and the back and projecting forward from the back, a front element mounted on the base and movable toward and away from the back between the side elements, the latter being adapted to be adjusted angularly to each other and having bearing engagement with the ends of the front element to provide a mold cavity, a horizontal plane movable along the back, and means for limiting the movement of the plane to produce an article of a predetermined height.

2,083,564

FUSE FOR BOMBS

Clarence F. Hofstetter, Missoula, Mont.

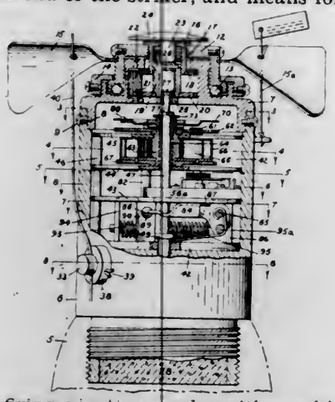
Application November 11, 1936, Serial No. 110,320

7 Claims. (Cl. 102—36)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a fuse, a casing, a cap on the casing rotatable during flight, a nut fixed to the cap and extending into the casing, a gear on the inner end of the nut, a sleeve threaded in the nut, a gear on the inner end of the sleeve and having more teeth than the gear on the nut, a pinion carried by the casing and meshing with both gears, a striker passing through the nut and sleeve and arranged for longitudinal movement with the sleeve, a firing pin mounted for movement longi-

tudinally of the casing and adapted to engage the inner end of the striker, and means for moving the firing pin to armed position subject to movement of the striker.

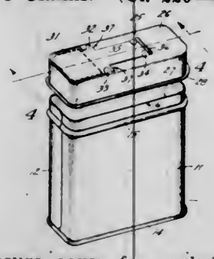


2,083,565

CONTAINER AND RECLOSURE

John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application April 24, 1931, Serial No. 532,425
3 Claims. (Cl. 220—54)



1. A reclosure cover for sealed tearing strip containers, comprising a top wall and depending vertical friction walls terminating in a reenforced peripheral bead, said top wall having a dispensing opening and an auxiliary cover member slidably mounted thereon, said auxiliary cover being reciprocable to conceal and expose said opening and slidably secured to said top wall by means of spaced lugs on said top wall extending inwardly over opposite margins of said auxiliary cover member, whereby said reclosure cover is adapted to frictionally and removably engage the body walls of the sealed container after the tearing strip is removed and the original cover discarded, the sliding auxiliary cover member permitting gradual dispensing of the container contents and the removable frictional engagement of said vertical walls with the opened container permitting use of said reclosure cover with other sealed containers after the latter have been opened.

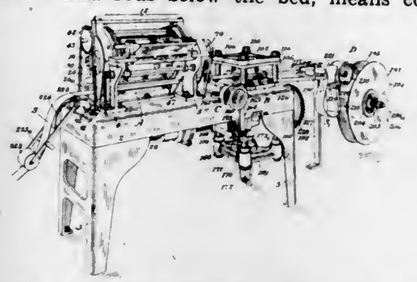
2,083,566

MACHINE FOR MAKING MATERIAL FOR CONTAINERS, CONTAINER COVERS, AND THE LIKE

Jonas Jonassen, Maplewood, N. J., assignor, by mesne assignments, to Tri State Cap & Cap Machinery Co., Inc., Newark, N. J., a corporation of New Jersey

Application April 29, 1933, Serial No. 668,571
1 Claim. (Cl. 101—199)

In combination, a horizontal machine bed having a plurality of vertical bearings in a set, a reciprocating frame having a plurality of vertical rods slidable in said bearings and each rod having a portion extending at all times below said bed, a top plate joining the upper ends of said rods and a bottom member joining the lower ends of said rods below the bed, means con-



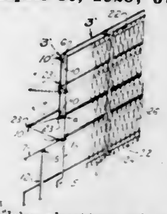
nected to said bottom member below said bed for reciprocating said frame, a die on said bed surrounded by said frame, a punch above the die adapted to be pushed down by said top plate during part of its movement downward, and spring means to move the punch upward, said punch and spring means also being surrounded by said frame.

2,083,567

VENTILATOR FOR TRUCK BODIES

Thad M. Jones, San Antonio, Tex.

Application March 26, 1936, Serial No. 70,995
6 Claims. (Cl. 189—60)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A collapsible shutter of the character described comprising a shutter supporting member, a plurality of flexibly connected shutter sections suspended from the supporting member, a vertically disposed guide rod, shutter guiding elements slidably mounted on the guide rod and hingedly connected to the bottom edge of the lowermost section of each pair of shutter sections, a vertically movable shutter lifting device hingedly associated with the lowermost of the shutter sections, whereby upward movement of said device causes each pair of shutter sections to be folded to maximum open position before the succeeding pair starts to open, and operating means in connection with the shutter lifting device.

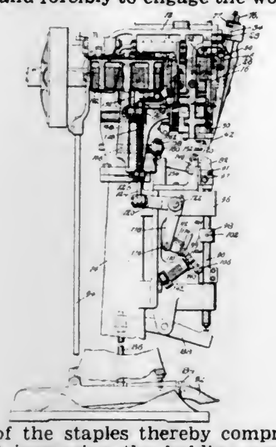
2,083,568

FASTENING INSERTING MACHINE

Fred N. La Chapelle, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application December 14, 1934, Serial No. 757,504
25 Claims. (Cl. 1—20)

1. In a staple inserting machine, means for inserting staples through a work piece, and means constructed and arranged to engage the projecting ends of the legs of the staples to turn the ends of the legs toward the surface of the work after the staples have been completely inserted in the work and forcibly to engage the work between



the legs of the staples thereby compressing the work and increasing the holding power of the staples.

2,083,569

PROPELLER CLAMPING AND BALANCING RING

John E. Larason, Dayton, Ohio

Application March 25, 1935, Serial No. 12,900
2 Claims. (Cl. 170—160)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a propeller having a plurality of blades and means for effecting vertical and horizontal balance of said propeller comprising separate balancing means for each blade radially disposed with respect to the axis of rotation of said propeller on said blade, each of said balancing means including an inner ring member and a counterweight member, said members being relatively adjustable laterally with respect to each other for obtaining a horizontal balance and angularly adjustable together for obtaining a vertical balance, and means for locking said members to each other and to said blade.

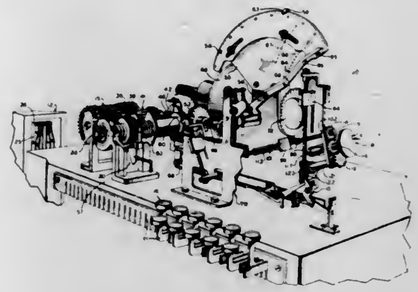
2,083,570

KEYBOARD PERFORATOR COUNTER FOR DIRECT MEASUREMENT IN PICAS

Edward S. Larson, Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware

Application June 21, 1935, Serial No. 27,625
33 Claims. (Cl. 164—112)

1. In an apparatus for preparing control strips for typographical machines, a scale, an indicating means, a counting device for moving said means with respect to said scale variable incremental amounts representative of matrix widths,



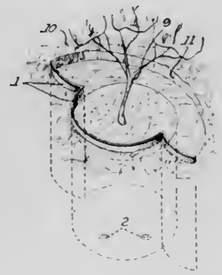
and a ratio mechanism comprising a proportionally adjustable instrumentality interposed between and operably related to said device and said means to vary the operative relationship between said device and said means.

2,083,571

METHOD AND APPARATUS FOR PLANTING AND TRANSPLANTING

Daniel W. Levandowsky, Front Royal, Va.

Application November 2, 1936, Serial No. 108,839
2 Claims. (Cl. 47—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of planting and transplanting comprising the planting and growing of a plant within a container and subsequently partially expanding said container and transplanting said plant by bodily depositing the plant, its soil and the container in the ground and so positioning the container as to leave the plant substantially free from confinement within but effectively guarded thereby against soil erosion.

2,083,572

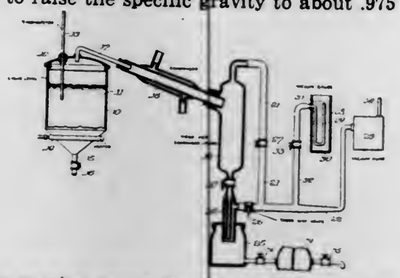
PROCESS OF TREATING OIL

James McKee, Media, Pa.; Susan M. McKee administratrix of James McKee, deceased

Application April 25, 1928, Serial No. 272,645
Renewed September 12, 1935
9 Claims. (Cl. 87—12)

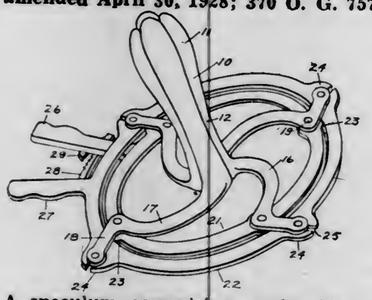
1. The process of treating oleaginous oils and fats of a specific gravity of less than .970 by heat-

ing under diminished pressure without access of air to raise the specific gravity to about .975 and



then passing ozone therethrough to ozonize the same.

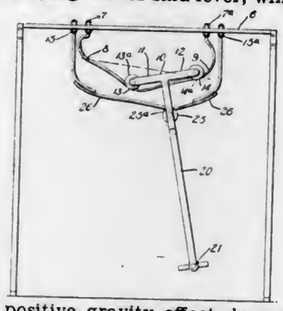
2,083,573
SPECULUM
Clifford V. Morgan, Fort Sill, Okla.
Application April 18, 1936, Serial No. 75,197
5 Claims. (Cl. 128—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A speculum comprising a plurality of radially movable blades, a radially diverging lever formed integral with each of said blades, an inner ring to which said levers are fulcrumed and an outer ring having circumferential lugs provided with radially extending slots, pins projecting from the outward extremity of said levers slidably engaged in said slots, control handles attached to each of said rings and locking means comprising a ratchet and pawl adapted to lock said handles in a fixed relative position.

2,083,574
SUPPORTING DEVICE
George T. Mott, Pearl River, N. Y.
Application April 14, 1936, Serial No. 74,259
10 Claims. (Cl. 155—58)

1. Supporting means for a freely suspended, floating mechanism, with included internal dynamic measures, and comprising a suitable framework, in combination with an included active load, said supporting means being developed in alternate concave and convex formation and said means further; being in adjustable, angular relationship to the horizontal, and rising upwardly and outwardly therefrom in either direction, and from a common intermediate concave section contained therein, and a load carrying lever device, suspended from said load supporting means, said lever constantly in free and untrammeled, floating relation to said supporting means and further provided with contact measures, whereby one end of said lever may oscillate over said concave and convex supporting means in unconfined, glide effect, limited only by the extreme terminals of said supporting means, and wherein; at the termination of a throw cycle, the load carrying end of said lever, will, under an



included, positive gravity effect, be projected to a position of repose forward of the vertical while the said load carrying end of said lever, freely functions in the horizontal.

2,083,575
METHOD OF MODIFYING CELLULOSE PULP FOR PAPER MAKING PURPOSES
Izador J. Novak, Bridgeport, Conn., and Albert L. Clapp, Danvers, Mass., assignors to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
No Drawing. Application September 1, 1933, Serial No. 687,816
6 Claims. (Cl. 92—13)

1. The method of modifying cellulose pulp which comprises soaking said cellulose pulp in a mercerizing solution of caustic soda without disturbing the relation of the fibers during said soaking, and pressing surplus caustic soda solution from said pulp to form a free pulp characterized by being suitable for sheeting into absorbent paper.

2,083,576
HEAT TREATMENT OF ALUMINUM ALLOYS
Joseph A. Nock, Jr., Tarentum, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 20, 1935, Serial No. 41,452
15 Claims. (Cl. 148—11.5)

15. A method of improving the physical properties of magnesium-free aluminum base alloys containing from about 2 to 7 per cent copper, 0.05 to 2 per cent cadmium, 0.005 to 0.1 per cent tin, and 0.1 to 3 per cent of alloying metal selected from the group composed of nickel, silicon, and zinc, said alloy being cold worked less than 5 per cent subsequent to solution heat treatment and prior to artificial aging, said method comprising preliminarily aging the alloy at 200 to 350° F. for 30 minutes to 24 hours after the solution heat treatment, cold working the alloy less than 5 per cent, and finally completing the aging by heating to 200 to 350° F. for 4 to 40 hours.

2,083,577
CUTTING AND MARKING DEVICE FOR SHEET MATERIAL
Thomas C. Perry, deceased, late of Sand Springs, Okla., by Thomas Edison Pafford, administrator, Sand Springs, Okla., assignor, by decree of distribution to Marion B. Perry, widow
Application July 30, 1936, Serial No. 93,528
11 Claims. (Cl. 164—41)

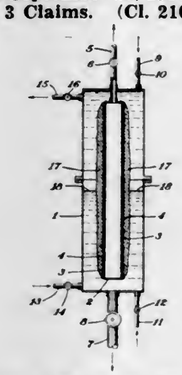
1. In a device for measuring and cutting sheet material in selected predetermined lengths, the combination of a cutting member relative to which the sheet material is drawn and by which

it is cut and a printing mechanism longitudinally spaced along the length of the sheeting and remote from the cutting mechanism to mark the sheeting at the next point at which it is to be operated upon by the cutting member, and an operative connection between the said cutting



mechanism and said printing mechanism whereby when the material is cut the printing mechanism is caused to operate to mark the material, said cutting member being adjustable to predetermined positioning relatively to the printing mechanism, whereby different lengths of sheeting may be selectively severed.

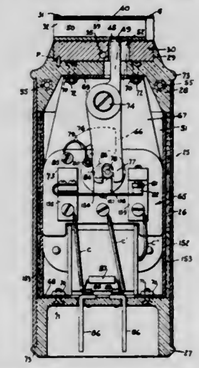
2,083,578
FILTER CAKE WASHING
Oscar L. Roberts, Merwood, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 25, 1934, Serial No. 745,383
3 Claims. (Cl. 210—182)



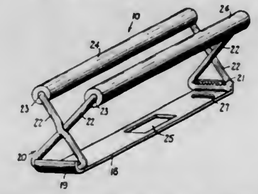
1. In a process for separating solid wax from a mixture comprising liquid oil and solid wax, the steps which comprise continuously passing said mixture into a filtering zone, passing oil from said filtering zone through a filter medium while depositing thereon a filter cake of wax containing oil, discontinuing the passage of said mixture into the filtering zone, withdrawing from said zone the unfiltered mixture surrounding said wax cake, introducing into said zone a wash liquid of a specific gravity different from that of said mixture at a locus such that the liquid of greater specific gravity underlies that of lesser specific gravity and at a rate corresponding substantially to the rate of withdrawal of the unfiltered mixture, thereby to displace said unfiltered mixture and to maintain a substantially uniform interface between said wash liquid and said unfiltered mixture, said wax cake being maintained substantially completely submerged in liquid throughout the displacement operation, and passing at least a portion of said wash liquid through said filter cake to wash therefrom the oil contained therein.

2,083,579
RAZOR AND HAIR CLIPPER
George Philip Schmitt, New York, N. Y.
Application February 12, 1936, Serial No. 63,525
21 Claims. (Cl. 30—43)

1. A shaving device comprising a member having a plurality of parallel slots with approximately parallel sides providing blades therebetween, another member below said first member and having a plurality of parallel slots with approximately parallel sides providing cutting edges, the slots in one member being arranged at an angle with respect to the slots in the other member, the blades and cutting edges of the respective members cooperating for shearing hair, and means at the longitudinal edge of the first-mentioned member having an imperforate skin-engaging surface for guarding the skin against irritation during the cutting operation, and means to reciprocate one member with relation to the other.



2,083,580
GUARD FOR RAZORS AND HAIR CLIPPERS
George Philip Schmitt, New York, N. Y.
Application May 25, 1936, Serial No. 81,587
3 Claims. (Cl. 30—77)



1. The combination with a power razor having a handle and a slotted cutter head carried by the handle, said cutter head having a movable cutter therein, of a guard device comprising a pair of parallel longitudinal guard members, and a frame carrying said guard members, said frame including a base interposed between the cutter head and the handle, said guard members being spaced apart and receiving the cutter head therebetween.

2,083,581
INNER SOLE FOR SHOES
Benjamin J. Silver, New York, N. Y.
Application May 21, 1934, Serial No. 726,738
11 Claims. (Cl. 36—71)

2. A shoe provided with means forming an inner uncushioned sole with its foot engaging surface forming a combination of curves conforming substantially to the contour of the sole of the wearer's foot and having cushioning means at the place where the ball of the wearer's foot is located in the shoe, said cushioning means having its highest point located under the shaft of the second metatarsal bone to support the metatarsal

dome and reducing in elevation gradually in all radial directions from said point and forwardly to a position about the heads of the first phalanges.



7. A heel saddle for a shoe having a concaved upper surface adapted to receive the heel of the wearer, said saddle being formed of one piece of resilient material with the portion thereof beneath the os calcis of less resiliency than the remainder of the saddle.

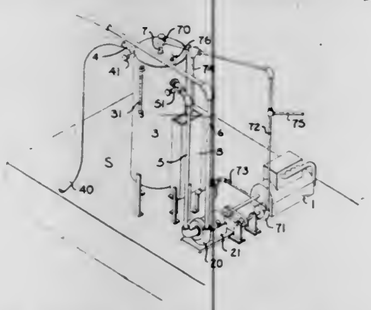
2,083,582

PUMPING SYSTEM FOR GOLD DREDGES

Will S. Taylor and Wilson T. Price, Seattle, Wash., assignors to U. S. Gold Dredger Corporation, Seattle, Wash., a corporation of Washington

Application January 20, 1936, Serial No. 59,914

12 Claims. (Cl. 103—203)



1. In a pumping system of the type described, a suction pipe, an evacuating pump connected to said suction pipe, a pressure pipe adapted for communication with said suction pipe, and control means whereby to interconnect for communication said suction pipe and said pressure pipe and to interrupt communication between said suction pipe and said evacuating pump.

2,083,583

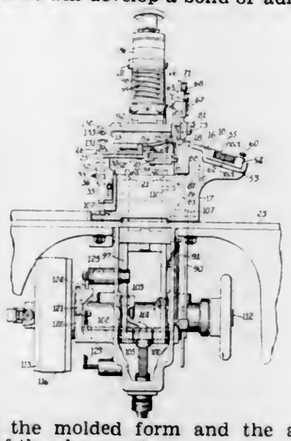
ASSEMBLING AND MOLDING MACHINE

John M. Whelton, Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application November 16, 1934, Serial No. 753,367

34 Claims. (Cl. 12—17)

1. Apparatus for use in assembling shoe-parts, comprising a sole-molding platen for supporting the parts to be assembled, means for locating a sole in a certain position on said platen, means for locating an unattached shank-stiffener relatively to the sole and in a certain co-operative relation thereto, and pressure-applying mechanism co-operatively related to said platen to mold the sole to the platen and also to mold a reinforcing piece against the shank-stiffener and against the margins of the sole, whereby an adhesive between the contacting faces of the sole and the reinforcing piece will develop a bond of adhesion and



maintain the molded form and the assembled relation of the shoe-parts.

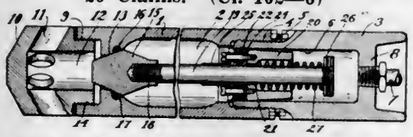
2,083,584

BLASTING CARTRIDGE

Wade H. Wineman, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois

Application June 5, 1934, Serial No. 729,110

20 Claims. (Cl. 102—6)



1. In a blasting cartridge, a casing having a chamber for receiving a blasting charge, a valve for releasing the pressure from said chamber, and a piston actuated by the pressure in said chamber for actuating said valve, said piston having a packing serving as a check valve for the pressure supplied to said chamber.

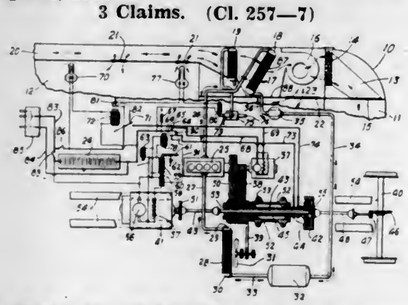
2,083,585

AIR CONDITIONING SYSTEM

Martin P. Winther, Waukegan, Ill., assignor to Pullman-Standard Car Manufacturing Company, a corporation of Delaware

Original application December 26, 1931, Serial No. 583,210. Divided and this application January 2, 1934, Serial No. 704,843. Renewed April 4, 1936

3 Claims. (Cl. 257—7)



1. In an air conditioning system for controlling the temperature of air within an enclosure,

a cooling system including means for extracting heat units from the air to be conditioned, a cooling thermostat exposed to the air after traversing said means and an electrical circuit responsive to the cooling thermostat, a heating system including means for adding heat units to the air to be conditioned, a heating thermostat exposed to the air after traversing the heat-adding means but spaced from the cooling thermostat, and an electrical circuit responsive to the heating thermostat, and means for rendering one of said electrical circuits ineffective whenever the other of said electrical circuits is operative to effect a change in temperature of the air being conditioned.

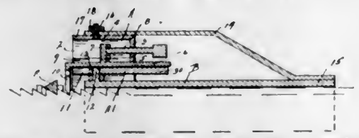
2,083,586

SAW FILING GAUGE

Elias L. Woodbury, Salt Lake City, Utah, assignor of forty per cent to Hugh B. Sprague and forty per cent to Clarence I. Justheim, both of Salt Lake City, Utah

Application May 2, 1935, Serial No. 19,449

2 Claims. (Cl. 76—31)



1. In a guide for filing saws, the combination of a saw blade engaging channel to fit down over the teeth and onto the sides of the saw blade; a body pivotally secured to said channel to be set at the angle to the channel to fit the angle of the teeth of the saw; brackets extending from said body carrying forwardly extended shafts; file guide rollers carried on said shafts, said guides having angled annular notches therein into which the file is adapted to fit when filing the teeth; and an adjustable tooth engaging member carried longitudinally in said body and adjustable longitudinally thereof with one end turned down to engage the teeth of the saw to hold the file in proper position for filing each successive tooth of the saw.

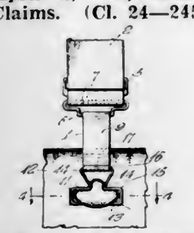
2,083,587

GARMENT SUPPORTER

August C. Wurtzer, Catonsville, Md.

Application April 12, 1935, Serial No. 16,100

4 Claims. (Cl. 24—245)



4. A garment supporter comprising a suspending element formed of flexible members, a keeper element on one of said members having a suspending loop connected therewith and also having a resilient keeper loop split at its top, and a clasp upon the other member embodying a body plate and a finger piece arranged in parallel planes, said finger piece being connected at its forward edge by a transverse rib with the medial portion of the clamping plate and dividing the same into a tongue portion projecting beyond said forward edge of the finger piece to engage over the forward side of the bottom of the keeper loop and a retaining portion lying opposite said finger piece to engage between and spread the divisions of the split portion of the suspending loop, said tongue portion having its free edge curved on the arc of an ellipse.

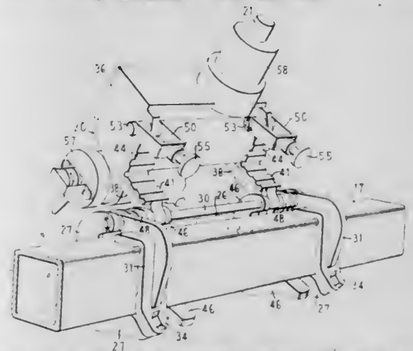
2,083,588

TRACER APPARATUS

James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application September 1, 1936, Serial No. 98,995

6 Claims. (Cl. 33—25)



1. In a template-guided machine, a jointed frame, a rigid bracket securely fastened to the jointed frame, a template-follower hinged to said bracket, and releasable means for preventing relative movement of the template-follower and bracket when the template-follower is in working position.

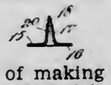
2,083,589

METHOD OF MAKING ATTACHING MEMBERS

James H. Arthur, Providence, and Frank E. Chace, Pawtucket, R. I., assignors to Rau Fastener Company, a corporation of Rhode Island

Application October 5, 1936, Serial No. 103,996

11 Claims. (Cl. 10—27)



1. The method of making an attaching member of the class described in the form of a rivet fashioned from a single piece of sheet metal and having a head and a hollow closed-ended shank integral therewith which comprises providing a single piece of sheet metal shaped to provide a blank having sufficient surface for the formation therefrom in a continuous unitary body the head and shank of a rivet, and thereafter shaping and perforating the blank to obtain an integral rivet body having a head and shank in which the latter portion thereof is provided with a plurality of spaced slits to produce sufficient weakening of the shank as to insure that the same will readily collapse before the head during the upsetting and riveting operation so as to spread evenly in all directions while being headed.

2,083,590

LUBRICATING APPARATUS

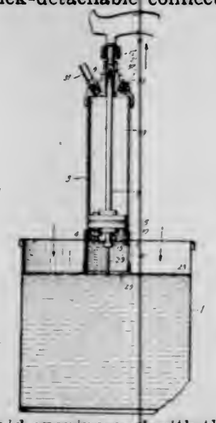
Frank S. Barks, St. Louis, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri

Application August 1, 1935, Serial No. 34,142

2 Claims. (Cl. 221—47.5)

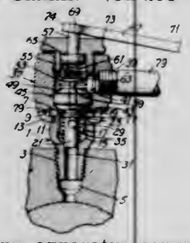
1. In combination, a container having lubricant therein, a follower slidably fitting within the

container and adapted to rest upon the lubricant, said follower having an opening therethrough, a lubricant gun comprising a cylinder having a head end adapted to be opened, a piston therein, said piston being adapted to assume a position adjacent the head end when said end is opened, means associated with the piston and extending from the cylinder when open and an adapter having a quick-detachable connection with said



follower at said opening and with the end of said cylinder, said adapter being of a length to permit the follower ultimately to be positioned adjacent the bottom of the container whereby substantially all lubricant may ultimately be exhausted from the container, said follower also accommodating at said quick-detachable connection, lubricant guns of the class described without extensions.

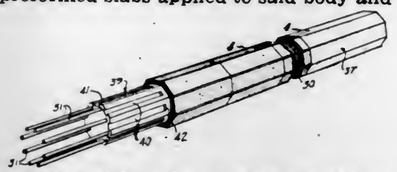
2,083,591
LUBRICATING APPARATUS
Frank S. Barks, St. Louis, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application November 29, 1935, Serial No. 52,141
10 Claims. (Cl. 284—17)



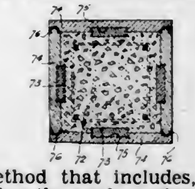
1. Lubricating apparatus comprising a hollow fitting having an inlet, a valve in said fitting normally biased outwardly to close said inlet, a coupler adapted to attachably cooperate with said fitting and having a passage therethrough, a movable means associated with said coupler which means is formed and normally biased when the coupler is attached to the fitting to open said valve in the fitting, and means for retracting said movable means against its bias independently of the operation of applying the coupler to the fitting.

2,083,592
PROTECTED PILE
John W. B. Blackman, Long Beach, Calif.
Application November 10, 1934, Serial No. 752,445
8 Claims. (Cl. 61—56)

1. A protected pile structure of the character described comprising a solid concrete body having longitudinally extending recesses with undercut sides formed in its surface, and a plurality of preformed slabs applied to said body and having recesses with undercut sides formed in their inner faces adjacent the body surface and directly opposite the first mentioned recesses, said slabs being bonded to the body by grout within said body and slab recesses.



2,083,593
METHOD OF MAKING PROTECTED PILING
John W. B. Blackman, Long Beach, Calif.
Original application November 10, 1934, Serial No. 752,445. Divided and this application July 22, 1935, Serial No. 32,513
5 Claims. (Cl. 61—57)



1. The method that includes, driving a pile, then protecting the surface of said pile throughout a predetermined portion of its length by applying preformed waterproof slabs thereto in contact with said surface, both the inner surfaces of the slabs and outer surface of the pile having recesses formed therein, and bonding the slabs to the pile while in contact with said surface, by pouring grout into said recesses.

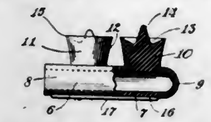
2,083,594
ELECTRIC LIGHTING SYSTEM FOR TOYS
Charles A. Brethen, Wyandotte, Mich., assignor to All Metal Products Company, Wyandotte, Mich., a corporation of Michigan
Application January 2, 1934, Serial No. 704,926
4 Claims. (Cl. 46—203)



1. In an electric lighting system for toy automobiles having a hood and a chassis member, a pair of brackets struck out from opposite sides of the hood, an insulating strip positioned in the apertures formed by the struck out metal, a spring metal contact strip carried by the insulating strip, the ends of the contact strip being sprung out away from the insulating strip, a pair of electric light bulbs threaded through the brackets and engaging the spring ends of the contact strip to apply pressure to the insulating strip to hold it in position against the rear edges of the apertures, a contact extending from the contact strip through the insulating strip, an electric battery positioned against the top of the hood, a clip engaging the battery and holding it against the top of the hood, the battery being provided with a terminal normally engaging the aforesaid contact and a pivoted lever carried by the toy automobile and turnable into engagement with the end of the battery opposite the aforesaid terminal.

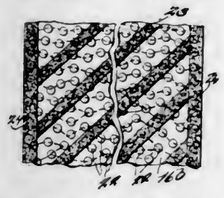
CARNEGIE LIBRARY OF ATLANT

2,083,595
MASSAGING DEVICE FOR GUMS
Harry Clarren, New York, N. Y.
Application January 15, 1937, Serial No. 120,675
4 Claims. (Cl. 128—62)



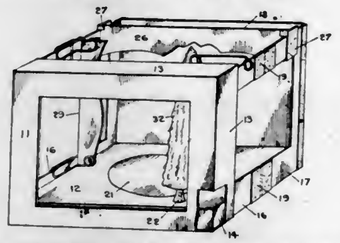
3. A dental massaging device comprising a sleeve of elastic material, a massaging element projecting from said sleeve, said sleeve being adapted to fit onto the free end of a holding means, said element comprising a cup-shaped member and a projection extending longitudinally from the bottom of said cup and a substantial distance beyond the rim thereof.

2,083,596
CELLULAR HEAT INSULATION PIPE COVERING
Raymond Donley, Sr., Plymouth Meeting, Pa.
Application December 7, 1935, Serial No. 53,412
3 Claims. (Cl. 154—45)



1. A cellular insulating pipe covering, comprising a tubular body composed of opposed alternate plane and indented sheets of asbestos spirally wound together, the respective sheets bearing heavy lines of adhesive, said lines of adhesive being disposed along substantially parallel lines lying at 45-degree angles, the adhesive lines of the alternate sheets being oppositely disposed and in crossing relationship to each other, thereby causing diamond-shaped projected areas to be formed in staggered relationship between the alternate sheets.

2,083,597
COLLAPSIBLE MODEL DISPLAY DEVICE
Irving Edelman, New York, N. Y.
Application March 5, 1935, Serial No. 9,400
4 Claims. (Cl. 46—13)

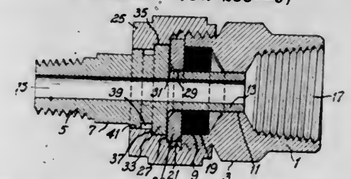


1. A collapsible model display device comprising an extendable box cover construction including members forming the front, sides and rear of the display device, and a base for the box cover comprising a flooring to retain the cover members in extended assembled relationship.

2,083,598
PROCESS FOR THE PREPARATION OF HIGHLY ENZYMATIC YEAST
Ivan Auguste Effront, Seclin, France, assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application November 23, 1935, Serial No. 51,267. In France November 23, 1934
9 Claims. (Cl. 195—83)

1. A process for the production of highly enzymatic yeast which comprises preparing a highly dilute main mass or wort containing a yeast fermentable carbohydrate material and yeast nutrients, innoculating the wort with seed yeast and propagating yeast therein with fermentation under aeration, preparing an auxiliary mass or wort containing carbohydrate, nutrient and yeast as in the main wort and in a concentration greater than that in the main wort, effecting a partial propagation and fermentation in the auxiliary wort with aeration, then adding the auxiliary partially fermented wort to the main wort during the propagation, continuing propagation of yeast in the main wort at a rate of aeration greater than that utilized initially, and finally separating yeast from the wort.

2,083,599
SWIVEL JOINT
Alexander P. Fox, University City, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application March 23, 1935, Serial No. 12,593
1 Claim. (Cl. 285—9)

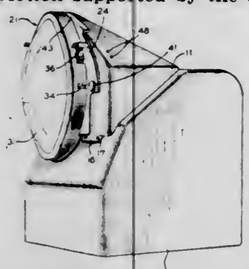


A swivel joint for high pressures, comprising a body portion having a counterbore and a pilot bearing at the inner end of said counterbore, a flanged nipple having its flange rotatably disposed between fixed flanges attached to the body portion, and a cylindrical extension rotatably disposed in said pilot bearing and having an axial passage therethrough, a substantially non-distortable packing in said counterbore resting against a fixed flange on the body and engaging the rotatable cylindrical extension on the nipple, the packing being so shaped that the pressure exerted by the fluid on the packing is transmitted to the body member and the fixed flange and so that the only radial force exerted by the packing on the nipple is that force which is indirectly received by way of the axial compression of the packing material.

2,083,600
MAGNIFYING SYSTEM
Erwin A. Gubisch, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application April 19, 1935, Serial No. 17,172
5 Claims. (Cl. 88—24)

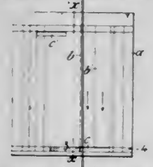
1. In a printing telegraph apparatus having a printing platen adapted to deliver printed matter in page form into observable position character by character, a cover for said apparatus having an observation aperture in registry with said ob-

servable position, a hood positioned over said aperture, a lens holder carried by the hood having a lip resting on the top of the hood and having its lower portion supported by the cover, and a



plurality of converging lenses coaxially supported by said holder for producing an observable enlarged virtual image of a substantial portion of said printed matter.

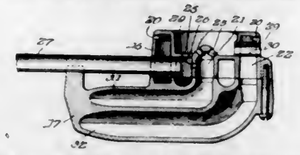
2,083,601
BOOKKEEPING LEAF
Erwin Otto Haberfeld, Berlin-Weissensee, Germany
Application January 19, 1934, Serial No. 707,322
In Germany July 6, 1931
1 Claim. (Cl. 283—66)



Two or more leaves for loose-leaf bookkeeping, each page thereof printed similarly to the others with vertical lines defining appropriately designated columns, comprising in order from left to right text, debit, credit, and balance columns with the latter three at the right of the vertical middle line of the page, the upper portion of the text column of each obverse face page having an area cut away in registry with the debit and credit columns of the reverse face page and of a length equal to the combined widths of such columns and of a vertical extent appropriate for a single line of text and each reverse face page having a similar area cut away but at the lower portion of the text column whereby, when a leaf is folded upon its middle line with obverse face outermost, items entered at the foot of debit and credit columns will be transferred to the foot of such columns on the reverse face and when a succeeding leaf is registered beneath a preceding leaf with their obverse faces in contact items entered at the top of the debit and credit columns on the reverse face of said preceding leaf will be transferred to the top of such columns on the obverse face of said succeeding leaf.

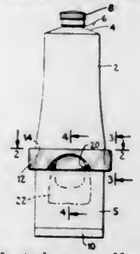
2,083,602
GAS BURNER ASSEMBLY
Philip S. Harper, Chicago, Ill.
Application August 20, 1936, Serial No. 96,938
7 Claims. (Cl. 158—115)

6. A double burner for domestic gas ranges comprising, in combination, an outer burner section having burner ports therein, an inner burner section having burner ports therein, the burner ports in the outer burner and the inner burner being out of lighting proximity to each other, means whereby fuel and air are supplied to each of said burners, and a tube extending through the outer burner, one end of which is



in lighting proximity to at least one burner port of the inner burner and the other end of which is in lighting proximity to at least one burner port of said outer burner, and means whereby fuel is supplied to said tube.

2,083,603
COLLAPSIBLE TUBE EXPELLER
Paul M. Harwick, New York, N. Y.
Application February 25, 1937, Serial No. 127,584
4 Claims. (Cl. 221—60)



1. A collapsible tube expeller comprising a unitary rigid slotted rectangular member, the slot extending longitudinally of the member and of a thickness to receive a double layer of the metal of the tube, one edge of the slot opening rapidly to smoothly bear against the content containing portion of the tube and guide the emptying portion into the slot.

2,083,604
GOLF GLOVE
Peter Hay, Monterey, Calif.
Application July 20, 1936, Serial No. 91,459
9 Claims. (Cl. 2—159)

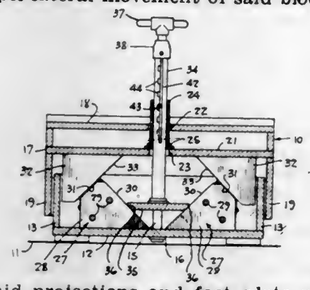


1. A golf glove having means for securing the third and fourth fingers thereof in a substantially fist like closed position regardless of the position of the other fingers of said glove.

2,083,605
WATER CLOSET
Paul E. Jertberg, Glendale, Calif.
Application July 20, 1936, Serial No. 91,483
8 Claims. (Cl. 4—254)

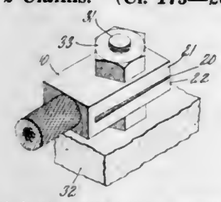
1. In a device of the character described, a closet bowl, a foot rest comprising a base, an elevator block slidable laterally on said base, an

inclined foot plate having projections on its underside supported by said elevator block, means to compel lateral movement of said block to dis-



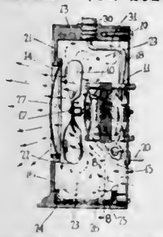
place said projections and foot plate upwardly, and means to support said foot rest in front of said bowl.

2,083,606
SOLDERLESS CONNECTER LUG
Ernest G. Johansson, Watertown, Mass., assignor to The Palmer Electric & Manufacturing Co., Waltham, Mass., a corporation of Massachusetts
Application November 2, 1933, Serial No. 696,351
2 Claims. (Cl. 173—269)



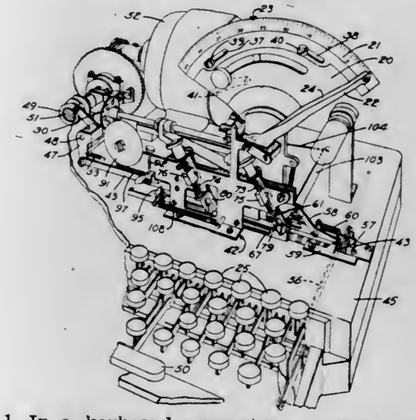
1. An electrical connection, comprising a block having a screw-threaded bore extending inwardly from an end thereof, said block being split from the opposite end so that the bore is longitudinally intersected for a substantial portion of the length thereof from its inner end, an electrical conductor having a screw-threaded end engaged in said threaded bore, a binding post extending loosely through both split end portions of said block, and means on said binding post for pressing said split end portions of the block toward each other whereby the end portion of the conductor is tightly clamped in said threaded bore.

2,083,607
AIR TREATING APPARATUS
Henry Joseph, New York, N. Y., assignor to Neo-Aire, Inc., New York, N. Y., a corporation of New York
Application July 14, 1934, Serial No. 735,099
6 Claims. (Cl. 261—30)



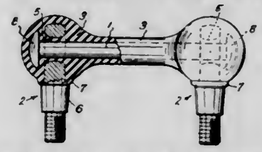
1. A small portable apparatus for treating and/or conditioning air comprising a fan adapted to propel an air stream, a casing completely enclosing the fan except for an inlet and an independent discharge opening for the air stream, and a reservoir for treating and/or conditioning medium located within the casing and resting freely upon the bottom of said casing in the vicinity of the inlet opening, said air inlet openings being of dimensions permitting the free passage of said reservoir therethrough for insertion and removal and the free space within said casing between said reservoir in operative position and said inlet opening being of such dimensions that the reservoir may be moved from said operative position to and from and through said opening without meeting obstruction.

2,083,608
ADJUSTABLE SPACEBAND INDICATOR
Edward S. Larson, Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware
Application January 14, 1933, Serial No. 651,731
25 Claims. (Cl. 164—112)



1. In a keyboard apparatus, a pointer member movable under certain operating conditions, a series of keys corresponding to a series of characters, means operated upon the depression of each of said keys for effecting the movement of said pointer member an amount predetermined by the particular key depressed, a special key, a pair of pointer members, means actuated by said special key for controlling the movement of said pair of pointer members differently according to the number of times said special key is depressed, and means associated with said pair of pointer members to vary the degree of movement for each operation of the special key.

2,083,609
JOINT FOR METAL LINKS
Emil B. G. Lefevre, Detroit, Mich.
Application May 11, 1936, Serial No. 79,030
2 Claims. (Cl. 74—579)



1. An automobile shock absorber link construction for connecting the shock absorber arm to the running gear which comprises a metal

link, metal studs loosely coupled to the opposite ends of said link and a solid body of vulcanized rubber surrounding said link and the coupled portions of the studs, the same being embedded and completely enclosed in said solid body of vulcanized rubber, the coupled portions being bound together and held spaced from each other by the surrounding rubber, the entire outer surface of the rubber mass being substantially unconfined and free from external restraint, the longitudinal axes of the studs intersecting the longitudinal axis of the link.

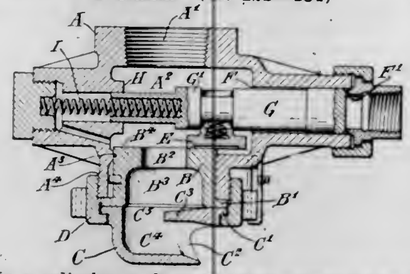
2,083,610

CYLINDER COCK

Ralph A. Light, Cynwyd, and Joseph W. Price, Jr., Philadelphia, Pa., assignors to The United States Metallic Packing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 11, 1935, Serial No. 40,080

1 Claim. (Cl. 121—134)



In a cylinder cock comprising a casing adapted to be secured to a locomotive cylinder and chambered to receive fluids from said cylinder, a valve controlled outlet port from said chamber and means for actuating the valve to open the outlet port and vent the cylinder cock casing, the combination therewith of an angularly adjustable cap piece forming with the discharge end of the cylinder cock a chamber to receive fluids discharged therefrom, said cap piece having a lateral discharge opening and a deflecting partition extending from the side of the cap piece above its lateral outlet toward but not to the opposite side of the cap piece and dividing the chamber formed between the cap piece and the end of the cylinder cock into upper and lower chambers connected together at the side of the chamber remote from the lateral opening formed in the cap piece.

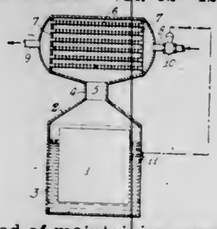
2,083,611

COOLING SYSTEM

Henry H. Marshall, New Brunswick, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware

Application December 5, 1931, Serial No. 579,159

5 Claims. (Cl. 62—125)



1. A method of maintaining constant the temperature of an object containing a source of heat consisting in surrounding said object with a liquid adapted to evaporate, and controlling the rate of evaporation by continually passing a condensing fluid in heat exchange relation with the vapors resulting from the evaporation of said liquid and quantitatively regulating the flow of condensing fluid.

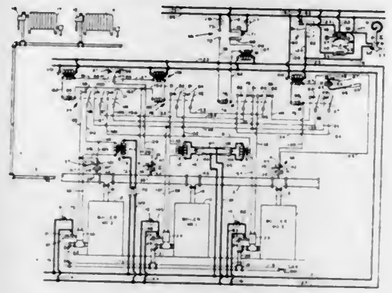
2,083,612

TEMPERATURE CHANGING SYSTEM EMPLOYING PLURAL TEMPERATURE CHANGING DEVICES

John T. Midyette, Jr., Brooklyn, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application May 2, 1934, Serial No. 723,490

25 Claims. (Cl. 236—1)



23. In combination, a plurality of devices operative to change the condition of a circulating fluid, means responsive to demands operative to place said devices successively into operation, means to change the order in which said devices are brought into operation, and means responsive to a condition to be controlled in positive control of the circulation of said fluid.

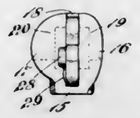
2,083,613

SAFETY CATCH

Eugene Morehouse, Providence, R. I., assignor to B. A. Ballou & Co., Inc., a corporation of Rhode Island

Application August 28, 1935, Serial No. 38,224

6 Claims. (Cl. 24—157)



1. A safety catch comprising a pair of ear members and a relatively movable rotor member between said ear members, one of said ear members having a curved outer surface and both members having parallel inner surfaces each in a single plane, a fingerpiece on said rotor member for relatively rotating the member, and a locking abutment on one of the ears with the inner surface in the plane of the inner surface of the ear, said abutment and fingerpiece having surfaces which contact upon rotation but beyond which said fingerpiece may be sprung by the resilience of one of said members in a direction substantially parallel to said axis of rotation to hold said members in one relative position of rotation, said contacting surface on the fingerpiece having a rounding contacting face to permit movement thereby in either direction.

2,083,614

ANCHOR FOR LADIES' HATS

George N. McPhee, Denver, Colo.

Application October 3, 1936, Serial No. 103,873

7 Claims. (Cl. 132—57)



1. A hat anchor comprising: a U-shaped resilient member, the prongs of which are clamped together by the resiliency of the member for engaging the hair of the user; a reciprocating member mounted between said extremities, and acting to separate them when reciprocated in one direction; and means for attaching a hat to said member.

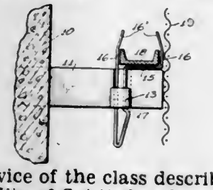
2,083,615

SUPPORTING AND ANCHORING MEANS FOR WIRE LATHING

George H. Reed, Chicago, Ill., assignor to Universal Form Clamp Co., Chicago, Ill., a corporation of Illinois

Application October 15, 1936, Serial No. 105,641

6 Claims. (Cl. 72—118)



3. In a device of the class described, a concrete wall, a plurality of flat tie bands embedded in said wall in a widthwise vertical disposition with portions of the bands projecting substantially horizontally beyond a face of the wall, said bands having loops extending laterally of the sides thereof, clips each having a shank extending through said loops and a U-shaped head resting on the top edge of a tie band and forming a seat for a furring bar, and a furring bar in said heads supported on said seats.

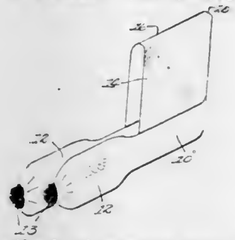
2,083,616

KNITTED HOOD AND SCARF ASSEMBLY

Samuel Rosenberg, Milwaukee, Wis.

Application January 7, 1937, Serial No. 119,371

3 Claims. (Cl. 2—203)



1. The method of manufacturing hood and scarf assemblies, consisting in continuously knitting a tube having a diameter, when flattened, substantially equal to one side of a hood, severing the tube into blanks of approximately twice the length of the hood portion of the garment, continuously knitting another tube in alternate neck and chest covering portions of differing diameter, severing such tube midway of the portions of larger diameter, flattening and folding such blanks along the transverse center line of the neck portions, and stitching the respective ends of one of the first mentioned blanks to one side margin of the neck portion of one of the other blanks at opposite sides of the neck fold.

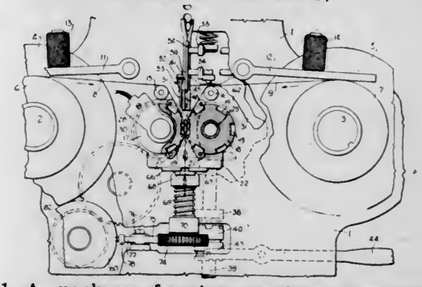
2,083,617

PACKAGING MACHINE

Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware

Application October 18, 1934, Serial No. 748,846

11 Claims. (Cl. 93—3)



1. A package forming machine comprising means for supplying and feeding a packaging material in opposed layers, article feeding means for depositing commodity articles between said opposed layers and comprising, a chute for supplying commodity articles in file formation and including a release arrangement for simultaneously releasing a plurality of articles therefrom in predetermined spaced relationship, means for periodically operating said release means; and package forming means including bonding equipment for joining said layers in spaced areas surrounding said articles, said bonding equipment comprising complementary rotatable rollers having heating elements for causing said rollers to heat said packaging material restrictively in said areas surrounding said articles.

2,083,618

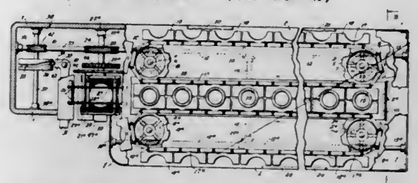
PACKAGING APPARATUS

Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware

Application October 15, 1935, Serial No. 45,033

Renewed May 7, 1937

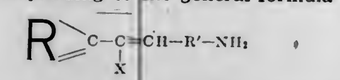
14 Claims. (Cl. 93—2)

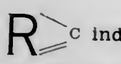


1. A packaging apparatus comprising, a pair of mechanically complementary rollers having alternately disposed crimping surfaces and recesses, means for feeding a strip layer of packaging material to said rollers in an extended path having predetermined cross-sectional formation, commodity article conveying means for conveying commodity articles adjacent said layer of packaging material in a spacing arrangement such as to cause said commodity articles to coincide with said recesses in said rollers when rotated, and means for feeding another layer of material adjacent said articles on said first mentioned layer of material and between said rollers to produce article package formations.

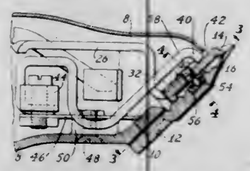
2,083,619
METHOD FOR THE PREPARATION OF AZO DYES
Erik Schirm, Dessau in Anhalt, Germany, assignor to General Aniline Works Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 28, 1934, Serial No. 732,829. In Germany June 28, 1933
4 Claims. (Cl. 8—5)

1. Method for the preparation of azo dyestuffs comprising diazotizing an aromatic amino compound corresponding to the general formula



in connection with which  indicates a mono- or polynuclear, heterocyclic ring system having a tertiary, double bond nitrogen atom, in which the side chain is attached to a carbon atom preferably in alpha or gamma position; wherein X stands for a hydrogen atom or an optional organic radical joined through a carbon atom and R′ for a phenylene group, which, apart from the diazotizable amino group, can also be substituted by other atoms or radicals of the group consisting of halogen, nitro, hydroxyl, alkoxyl etc., which do not disturb the diazotization, and coupling the diazo compound obtained with a coupling component.

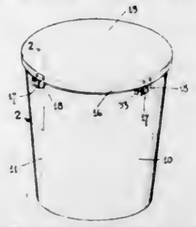
2,083,620
HAIR CLIPPER
Harold S. Sizer, Pawtucket, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application September 28, 1934, Serial No. 745,868
10 Claims. (Cl. 30—1)



1. In a clipper, the combination with a casing, of a stationary clipper blade carried by the casing, a movable clipper blade cooperating with the stationary blade, means for reciprocating said movable blade and for exerting a twisting strain on said blade with relation to the stationary blade at all times in one direction, and a guiding connection for determining the path of movement of the movable blade with relation to the stationary blade comprising a resilient guide supported on one of said blades to engage a slotted portion of the other of said blades for yieldingly positioning said movable blade against said twisting strain to permit a controlled variation in the reciprocatory path followed by the movable blade.

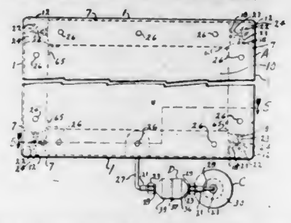
2,083,621
FASTENER FOR CONTAINERS
Swan Smith, White Bear, Minn., assignor to David C. Shepard, St. Paul, Minn.
Application March 16, 1934, Serial No. 715,899
16 Claims. (Cl. 229—5.7)

1. In combination, a circular container open at the top, a cover therefor, one thereof having an eye and the other having a circumferentially extending tongue, said tongue being engageable with said eye through rotational movement of the cover with respect to the container and



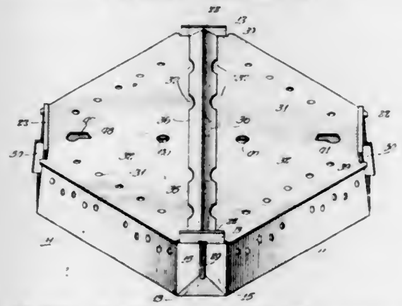
latching means on said tongue for holding the tongue in engagement with said eye.

2,083,622
HEAT INSULATING MECHANISM
Caleb Edson Summers, Pontiac, Mich.
Application December 19, 1934, Serial No. 758,202
18 Claims. (Cl. 20—56.5)



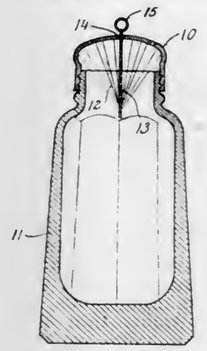
1. In a heat insulating mechanism for a room, the combination of plate members forming wall portions of the room, members spacing said wall portions to form chambers therebetween, means for sealing said plate members, an expansible chamber actuated by changes in barometer and temperature of the air in the heat insulating mechanism, conduit means connecting said expansible chamber with said chambers formed by said plate members, a filter connecting with said conduit means for separating dust and similar material from the air passing therethrough, and a drying agent for trapping moisture in the air of the heat insulating mechanism.

2,083,623
BOX FOR SHIPPING CHICKS
Abraham Berg Thorup, Salt Lake City, Utah
Application July 3, 1935, Serial No. 29,579
9 Claims. (Cl. 229—6)



1. A box of the class described comprising a collapsible body made from a blank having a central portion provided with foldable substantially vertical side and corner walls, said corner walls being provided with central slots and said side walls provided with locking members foldable around and insertable in said slots to hold said body in box form.

2,083,624
CONDIMENT SHAKER
Ernest Watson, Wauwatosa, Wis.
Application November 28, 1934, Serial No. 755,086
5 Claims. (Cl. 65—57)



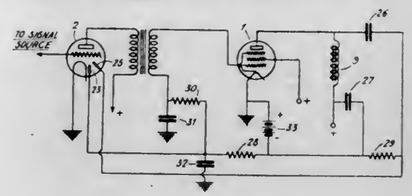
1. The combination with a condiment shaker having a perforated discharge portion, of an inverted brush mounted in said portion for rotation and oscillation about a substantially central vertical axis of said discharge portion and having bristles extending upwardly for contact with said portion.

2,083,625
METHOD OF DEPOSITING FORAMINATE BEDS AROUND WELL CASINGS
Harry Calvin White, Los Angeles, Calif., assignor to John Grant, Los Angeles, Calif.
Application July 1, 1935, Serial No. 29,223
13 Claims. (Cl. 166—21)



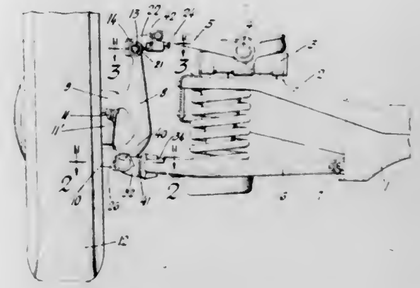
1. The method that includes, passing a body of gravel-size material downwardly within a well pipe by pressure applied to a column of circulating fluid, depositing said material around the outside of a section of pipe spaced from the well bore, and flowing the circulating fluid upwardly from said material to the ground surface through an unobstructed annular space between said pipe and the well bore wall.

2,083,626
AMPLIFYING CIRCUITS
René Paul Wirix, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application April 3, 1934, Serial No. 718,784
In Germany June 20, 1933
4 Claims. (Cl. 179—171)



1. In combination, a plurality of cascade-coupled audio frequency amplifier tubes, the last of said tubes having associated therewith input and output circuits, means for negatively biasing the input electrode of said last tube, a resistor connected in said input circuit in series with the biasing means, said output circuit having coupled to it a circuit comprising said resistor and a diode rectifier contained in one of said tubes preceding the last tube for producing a voltage across said resistor proportional to the amplified signal, the produced voltage being such that it opposes the voltage impressed on the input electrode of the last tube by the biasing means.

2,083,627
AUTOMOBILE SUSPENSION SYSTEM
Harold T. Youngren, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 1, 1934, Serial No. 709,270
5 Claims. (Cl. 280—124)

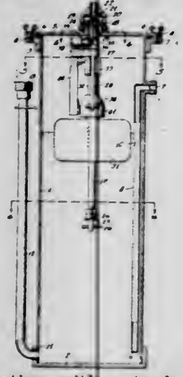


1. In a wheel suspension for a motor vehicle having a frame structure, a wheel supporting structure, means connecting the wheel supporting structure with the frame structure and adapted to guide displacement of the wheel relative to the frame structure, said connecting means including an arm associated with said wheel supporting structure, upper and lower connectors adapted for pivotal connection to the upper and lower ends respectively of said arm, an adjusting member intermediate the upper connector and said arm, and means for laterally adjusting said adjusting member to vary the camber of said wheel, said adjusting means including a shim associated with said upper connector.

2,083,628
METHOD OF MAKING VINYL DERIVATIVE ARTICLES
Georges E. Zelger, Montreuil sous Bois, France, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application January 10, 1934, Serial No. 706,100. In France January 11, 1933
4 Claims. (Cl. 260—2)

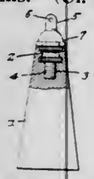
4. Process of producing formed articles of manufacture consisting principally of polyvinyl alcohol-aldehyde condensation products which comprises forming the articles into the desired shape from an aqueous solution comprising polymerized vinyl alcohol and condensing the polyvinyl alcohol with formaldehyde in the presence of hydrochloric acid.

2,083,629
BEER DISPENSING APPARATUS
Karl A. Zimmerer, Detroit, Mich., assignor to Karl A. Zimmerer Manufacturing Company, Inc., Detroit, Mich., a corporation of Michigan
Application November 21, 1935, Serial No. 50,804
10 Claims. (Cl. 225—9)



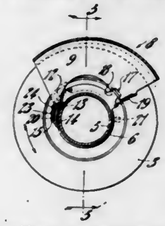
1. In combination with a tank having means adapted to be connected to a source for supplying liquid thereto under pressure, said tank having an air outlet port through which air may exhaust to permit the liquid to enter said tank, different capacity air valve mechanisms connected with said outlet, and means controlled by the liquid level in said tank for causing said air valve mechanisms to function successively to exhaust air from said tank at different rates.

2,083,630
SINKER
Patrick Robert Angelica, Secaucus, N. J.
Application December 21, 1936, Serial No. 117,061
2 Claims. (Cl. 43—52)



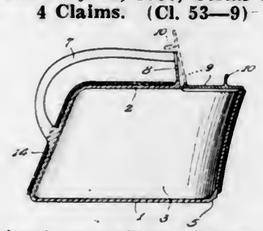
1. A sinker for a fishing line comprising a lead body, a knurled nut imbedded in the body at one end thereof, a bolt having an eye for attachment with a fishing line and a screw threaded shank engageable with the said nut, and a lock nut on said bolt to be screwed down against the top of the sinker body to lock the said bolt to the said body.

2,083,631
NONSKID DEVICE FOR MOTOR VEHICLES
George Ballard, Springfield, Mass.
Application March 20, 1936, Serial No. 69,941
6 Claims. (Cl. 188—4)



1. In combination, in a non-skid device, a hood member, means for normally retaining the same in a non-operative position above and out of contact with a motor vehicle wheel, means for releasing the retaining means, means for moving the hood member into contact with the motor wheel for carrying the said member into a position between the said wheel and the roadway surface and means for retaining the hood means in this lowered position, said two retaining means for the hood member comprising a fixed flange member having shoulder portions, latch bars engaging the shoulder portions, and latch means on the hood member engaged by the latch bars for releasing the hood member and for stopping the movement of the hood member after being released.

2,083,632
KETTLE
Joseph Master Beck, Spokane, Wash.
Application July 10, 1936, Serial No. 89,969
4 Claims. (Cl. 53—9)

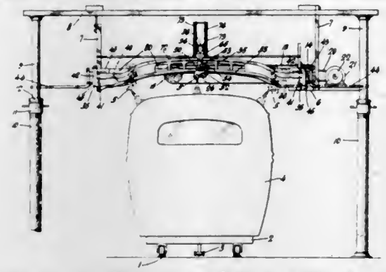


1. A tea kettle comprising a hollow body having a bottom, a top, and walls, the top terminating in spaced relation to the front of the body to provide a pouring opening, a plate rising from the top along the front end thereof back of the pouring opening and constituting a steam shield, and a lid for the pouring opening having its rear end pivotally mounted in front of said plate whereby the lid may be swung upwardly to an opened position and rest against the plate.

2,083,633
PAINT SPRAYING MACHINE
Tracy F. Brackett, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 6, 1935, Serial No. 14,979
13 Claims. (Cl. 91—45)

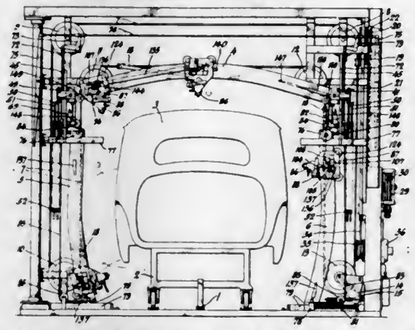
1. Factory equipment for use with a conveyor line including means to apply a surface finish

to articles traveling on the conveyor line, mechanism for imparting movement to said means in a direction transverse to the direction of travel of said articles and other mechanism



acting in simultaneous relation with the action of the first mentioned mechanism for imparting movement to said means transverse to both the first mentioned movement and the travel of said articles.

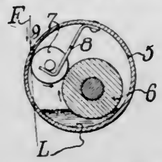
2,083,634
SPRAYING MACHINE
Tracy F. Brackett, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 11, 1936, Serial No. 58,641
18 Claims. (Cl. 91—45)



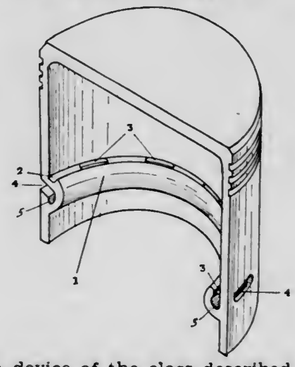
1. A machine for applying a surface coating on an automobile body or the like while the body is moving on a conveyor line, a reciprocating applicator, a movable track guiding the applicator in its reciprocation, and means operating in timed relation to the movement of the body to vary the position of the track with reference to body contour so that uniform spacing of the applicator and body surface is maintained throughout the coating operation.

2,083,635
LUBRICATION OF ARTIFICIAL FILAMENTS
Cyrus O. Butler and Edgar G. Guenther, Kingsport, Tenn., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application August 29, 1935, Serial No. 38,442
6 Claims. (Cl. 91—50)

5. A device for lubricating a filament comprising a reservoir for the lubricant, a driven roll rotatably mounted and partially immersed in said lubricant so as to receive a film of lubricant therefrom to be applied to the filament, an idler roll, and a guiding means for guiding and supporting said idler roll above said driven roll and in rolling contact therewith, characterized by the fact that said idler roll is supported so that the pressure of contact between the rolls is controlled by the weight of said idler roll for controlling the uniformity of the film of lubricant prior to application to the filament.

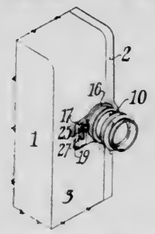


2,083,636
PISTON LUBRICATING MEANS
Geoffrey D. Caldwell and Lonnie E. Hood, Claude, Tex.
Application April 1, 1935, Serial No. 14,111
2 Claims. (Cl. 309—8)



1. In a device of the class described, a piston, means on the inner circumference of said piston and respectively substantially equidistant from the bottom edge of the piston around the inner circumference of the skirt of said piston for collecting lubricant from the inner wall of said piston and retaining the lubricant, and means adjacent said retaining means for dispensing said lubricant upon movement of the piston outwardly through openings in the outer wall or skirt of the piston.

2,083,637
LATCH FOR INTERCHANGEABLE LENS MOUNTS
Victor V. Colaiace, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application February 4, 1936, Serial No. 62,322
6 Claims. (Cl. 95—53)



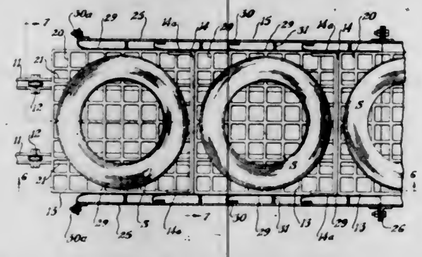
1. In a lens mounting for photographic cameras, the combination with a support provided with an opening, a spring pressed member extending through said support adjacent said

opening, a removable lens mount adapted to extend into said opening in the support when mounted thereon, cooperating means on the support adjacent said opening and on the lens mount whereby the lens mount in one position can be inserted into the opening and can be locked against removal therefrom upon displacement from said position, a base plate on said lens mount and having an aperture adapted to receive said spring pressed member in the locked position of the mount, of a suitable means mounted on said base plate adjacent said aperture and adapted to expel said spring pressed member from the aperture prior to unlocking the lens mount with respect to the support.

2,083,638
CONTROLLED ATMOSPHERE FURNACE CONSTRUCTION

Frank T. Cope, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a corporation of Ohio

Application June 10, 1936, Serial No. 84,485
17 Claims. (Cl. 266—5)



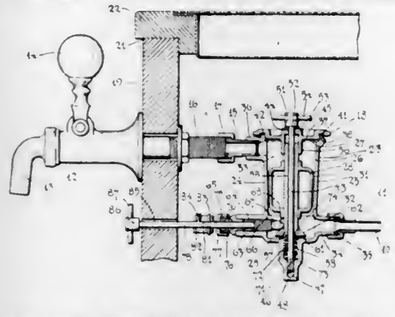
1. In a controlled atmosphere furnace having a heating chamber in which a special gaseous atmosphere is maintained, an entrance passage communicating with the heating chamber, a quenching chamber communicating with the heating chamber, a drying chamber communicating with the quenching chamber, and an exit passage communicating with the drying chamber, trays for supporting material to be treated, means for moving a train of said trays successively through said entrance passage, heating chamber, quenching chamber, drying chamber and exit passage, means communicating between said heating chamber and said drying chamber whereby said special atmosphere is maintained in said drying chamber, and closure means for said entrance and exit passages including an upstanding imperforate plate on each tray, means in said passages cooperating with the bottom of each tray, and movable means in said passages contacting the sides and top of each plate.

2,083,639
FLOW REGULATING DEVICE

Richard T. Cornelius, Minneapolis, Minn.

Application June 18, 1936, Serial No. 85,926
20 Claims. (Cl. 138—46)

1. A flow regulating device for beer dispensing systems comprising a hollow body open at the top and having a conical bore therein arranged with its larger end uppermost, a conical member within said bore forming in conjunction therewith a constricted passageway and being of a length less than the length of said bore to provide inlet and outlet chambers at the ends of said bore, an inlet communicating with the inlet chamber, an outlet communicating with the outlet chamber, said conical member being insertable into and removable from said bore through

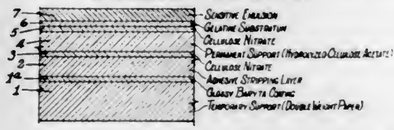


the open end of said body, and a closure for the open end of the body.

2,083,640
PHOTOGRAPHIC STRIPPING FILM

Henry R. Couch and John H. Folwell, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application December 6, 1934, Serial No. 756,294
5 Claims. (Cl. 95—9)



1. A stripping film comprising a photographic layer, a support to which the photographic layer is permanently attached, a temporary support and a water soluble adhesive layer between the temporary and permanent supports comprising glycerine and readily water soluble glue, the proportions of glycerine and glue being of the same order, the permanent support carrying also a permanently adherent very thin layer of cellulose nitrate between itself and the adhesive layer.

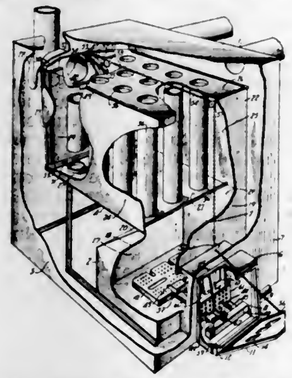
2. A stripping film comprising a paper support, a soluble adhesive layer comprising a mixture of glycerine and of glue readily soluble in water and a stripping element detachable from the support and including a water-permeable supporting layer of hydrolyzed cellulose acetate having on its outer surface a sensitive emulsion and, between the adhesive layer and cellulose acetate layer, a very thin layer of cellulose nitrate permanently adherent to the cellulose acetate layer.

2,083,641
FURNACE

Thomas Crick, Independence, Mo., assignor to Independence Stove & Furnace Company, Independence, Mo., a corporation of Missouri

Application August 26, 1935, Serial No. 37,914
6 Claims. (Cl. 126—116)

1. A furnace including a combustion chamber having an outlet for products of combustion, a burner in the furnace, a radiator unit connected with the combustion chamber outlet and having indirect and direct flue outlets, a damper in the direct outlet for selectively diverting products of combustion through the radiator unit to the indirect outlet, a duct in the furnace through which access is had to the burner, a guard including perforate air passage means closing the duct to obstruct access to the burner, a door for the duct to control passage of air through said air passage means, and means operably connecting the damper with said control door whereby the damper is opened to create a direct draft

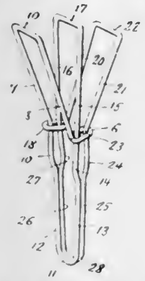


through said perforate air passage means, the combustion chamber, radiator unit and through said direct draft outlet when said control door is open to scavenge the combustion chamber and radiator unit.

2,083,642
CLOTHESPIN OR THE LIKE

John Ditto, Herrin, Ill., assignor of one-fourth to Collins Brown and one-fourth to C. E. Duncan, both of Herrin, Ill.

Application November 12, 1936, Serial No. 110,534
1 Claim. (Cl. 24—261)



In a one piece clothespin structure, a pair of eye members, spaced apart laterally upon opposite sides of the structure in the approximate center thereof, a pair of opposed U-shaped hand grips on one side of said center normally divergent and comprising a pair of side legs, respectively, and a pair of opposed U-shaped clamping jaws on the other side of said center adapted for relative separative movement by movement of said hand grips together and also comprising a pair of side legs, respectively, one leg of each hand grip extending from an eye member on one side of the structure and the other leg of each hand grip extending into the eye member on the opposite side of said structure and merging at an angle into one of the legs of one of the clamping jaws whereby said merging leg and the related jaw leg are fulcrumed in the related eye member, the other leg of each jaw having an extension projecting through the eye member on the related side of the structure to the hand grip end of the latter, said extension being connected at their extremities and reacting together with the legs of said jaws to oppose separative movement of the latter.

2,083,643
WHEELED EARTH GRADER AND CARRIER

Roy Fellom, San Francisco, Calif.

Application August 30, 1935, Serial No. 38,556
15 Claims. (Cl. 37—128)

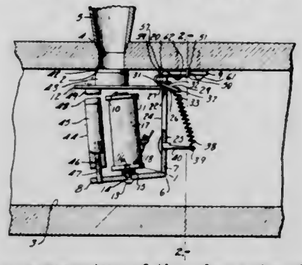


1. In a wheeled grader of the character described, a scraper bucket pivotally mounted for lowering and raising to and from digging position, a rim cam adapted to contact the ground for turning over during the forward movement of the grader, means for transmitting power from the cam as it revolves for raising the bucket comprising a lever arm pivotally mounted on the grader and pivotally carrying the rim cam on its free end, means for sustaining the bucket in raised position, and means for maintaining the cam inactive when desired.

2,083,644
ORGAN ACTION MAGNET

Albert Floro and Albert G. Sabol, Lawrence, Kans., assignors to The Reuter Organ Company, Lawrence, Kans., a corporation of Kansas

Application July 6, 1936, Serial No. 89,028
11 Claims. (Cl. 84—339)

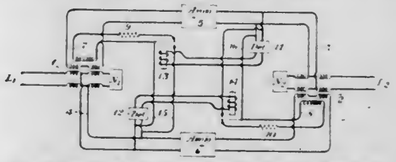


1. In an apparatus of the character described, a bracket having a knife edge fulcrum, a magnet carried by the bracket, an armature for the magnet having a V-shaped seat engaging said fulcrum, and means engaging the armature for retaining the armature in fulcruming position relatively to the magnet.

2,083,645
TRANSMISSION SYSTEM

Renato Dario Fracassi, Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York

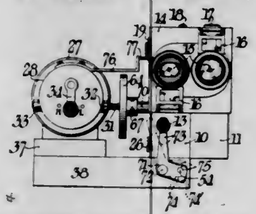
Application October 12, 1934, Serial No. 748,107
3 Claims. (Cl. 179—170)



3. In a two-way communication system, the combination of a two-way telephone repeater having two hybrid coil networks adapted to transmit signaling currents in two directions over different paths, means responsive to signaling currents in one path to remove loss from said path

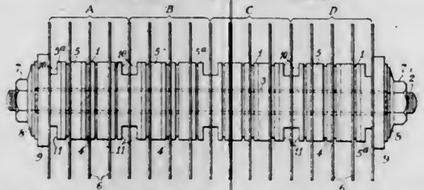
and to insert loss in the other path, said means consisting of an amplifier-detector, an impedance coupled to each hybrid coil network, short-circuiting means, and a relay, said relay removing one of said impedances from across one of the windings of its corresponding hybrid coil network in the path transmitting signaling currents and connecting the short-circuiting means across the bridge points of the same hybrid coil network.

2,083,646
MOTOR DRIVE FOR MOTION PICTURE CAMERAS
Albert B. Fuller, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application July 3, 1934, Serial No. 733,600
10 Claims. (Cl. 88—17)



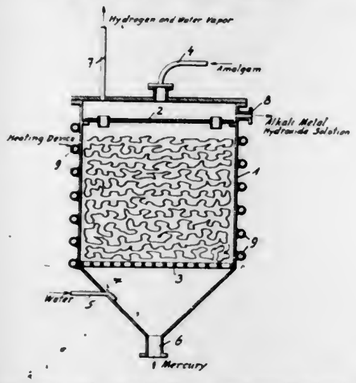
1. The combination with a motion picture apparatus having a driven clutch member, a fastening member, and a control member movable to a predetermined operating position and for controlling the operation of said apparatus, of a unit comprising a prime mover having a driving clutch member for engaging the driven clutch member of said apparatus, comprising a fastening member adapted upon being placed in axial alignment with the fastening member in said apparatus to engage said fastening member and fixedly to secure said apparatus to said unit, and comprising a blocking means on said unit, arranged to co-operate with said control member only during said predetermined operating position thereof and for permitting simultaneous engagement of said clutch members and said fastening members on the apparatus and unit but adapted when said control member is not in said predetermined operating position to abut said control member and prevent the simultaneous engagement of said clutch members and said fastening members.

2,083,647
ELECTRICAL RECTIFIER
Robert M. Gilson, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 4, 1934, Serial No. 755,922
8 Claims. (Cl. 175—366).



6. A rectifier comprising a stack of asymmetric units clamped together on a rod, said asymmetric units being arranged in sections, a plurality of spacer washers one included in said stack at each end of each section and each provided with two diametrically opposite lugs, the lugs on the washer at one end of each section each being provided with a clearance hole for the reception of the head and shank of a clamping bolt and the lugs on the washer at the other end of each section each being provided with a tapped hole for the reception of the screw threaded end of a clamping bolt, said washers being so disposed in the stack that the clearance holes in the lugs on the washer at one end of each section align with the tapped holes in the lugs on the washer at the other end of each section, and that the washers in alternate sections are angularly spaced in such manner that the lugs on the washers in alternate sections are out of alignment with each other, and cooling fins disposed at intervals in said stack and each provided with holes which align with the holes in the lugs of said washers to permit the insertion of clamping bolts into the lugs to clamp the units of a section together.

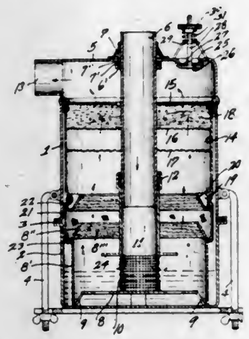
2,083,648
PREPARATION OF ALKALI METAL HYDROXIDE SOLUTIONS
Herbert Gorke, Leverkusen-I. G. Werk, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application January 27, 1933, Serial No. 653,904
In Germany February 25, 1932
4 Claims. (Cl. 23—184)



1. Process of preparing concentrated alkali metal hydroxide solutions which comprises trickling a stream of an alkali metal amalgam downwardly through a tower over and in contact with a mass of relatively small pieces of a solid catalyst so arranged in the tower in the path of said stream as to finely subdivide said stream while passing a stream of water upwardly through said mass of catalyst and maintaining a temperature within said mass of between about 60° C. and about 100° C. and separately withdrawing from said tower the resulting alkali metal hydroxide solution, hydrogen gas and mercury.

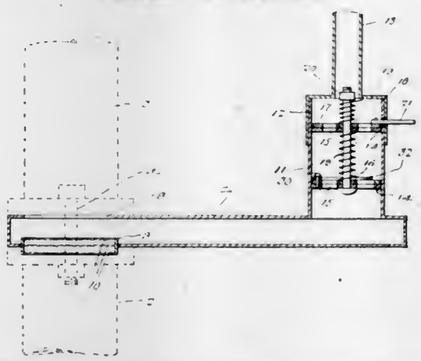
2,083,649
AIR CLEANER
George L. Heglar, Almira, Wash.
Application May 5, 1936, Serial No. 77,960
5 Claims. (Cl. 183—48)

4. An air cleaner comprising a housing, a pipe extending vertically in said housing and projecting through one end thereof, the other end portion of the housing having an air passage in a side thereof, a casing in said housing about said tube in spaced relation to the tube, a curtain of flexible material depending from the lower end of said casing, cleaning means carried in said



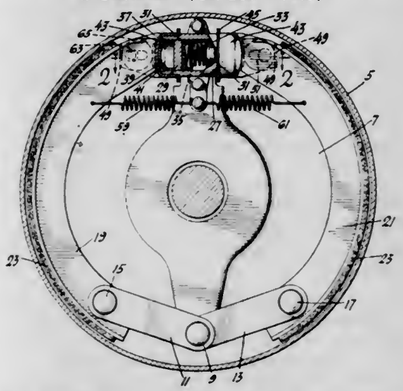
casing about said tube, and a baffle disc carried by the tube adjacent the lower end of said curtain in spaced relation thereto.

2,083,650
CARBURETOR ATTACHMENT
Jesse G. Hilton, Mena, Ark.
Application November 14, 1935, Serial No. 49,808
1 Claim. (Cl. 123—124)



An attachment for an engine which includes an inlet manifold, a carburetor, manually operated means for actuating the throttle valve of the carburetor and a casing having one end forming a conduit between the manifold and the carburetor, said end having openings forming a part of the conduit, screens placed across one opening, a cylinder in communication with the other end of the casing, a cap fitted on the upper end of the cylinder and having a pipe leading upwardly therefrom to form a restricted air inlet for the cylinder, upper and lower spaced partitions mounted within the cylinder and having openings therein, upper and lower spring pressed valve plates seated on the upper and lower partitions respectively, means for actuating the upper valve plate, said means comprising an arm connected with the upper valve plate, and passing through an opening in the cylinder, and a rod connecting the arm with the manually operating means for actuating the throttle valve of the carburetor, and means for actuating the lower valve plate, said means comprising a thermostat attached to a part of the exhaust manifold of the engine and a link connecting the thermostat with the lower valve plate.

2,083,651
BRAKE ADJUSTMENT
Gilbert K. House, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 14, 1935, Serial No. 36,100
2 Claims. (Cl. 188—79.5)



2. In combination, a drum, a cover plate, shoe means within the drum, a wheel cylinder, a plunger therein, a cup reciprocable upon the end of the cylinder, engaged by the plunger and adapted to engage and move the shoe, an angular member having one face adjustably secured to the cover plate and its other face positioned to be engaged by the marginal edge of said cup to determine a release position of the shoe means.

2,083,652
SEPARATE RECOVERY OF POTASSIUM PHOSPHATES AND AMMONIUM PHOSPHATES
Oskar Kaselitz, Berlin, Germany
No Drawing. Application January 30, 1935, Serial No. 4,078. In Germany February 10, 1934
7 Claims. (Cl. 23—107)

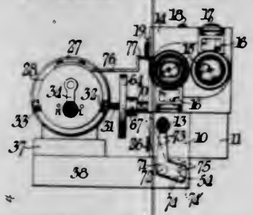
1. The process of separately recovering potassium phosphate and ammonium phosphate from a mixture consisting of both these salts, comprising treating the mixture in the presence of at least so much water that in carrying through the process all the phosphate is once dissolved, with that quantity of ammonia, which suffices to precipitate the phosphoric acid, which, calculated for monophosphate, is not linked to the alkali metal, under the form of triammonium phosphate, without any alkali salts being precipitated, thereafter separating the triammonium phosphate from the solution and evaporating the filtrate near boiling temperature for the recovery of the alkali phosphate.

2,083,653
TRANSMISSION SYSTEM
Erwin Käsemann, Steinstucken, near Berlin, Germany
Application March 30, 1933, Serial No. 663,574
In Germany January 20, 1933
7 Claims. (Cl. 179—1.5)

1. A transmission system for maintaining secrecy in the transmission of messages between a sending station and a receiving station by distorting the outgoing message currents by superimposing thereon at the sending station a distorting alternating current and by neutralizing the effect of said superimposed current at the

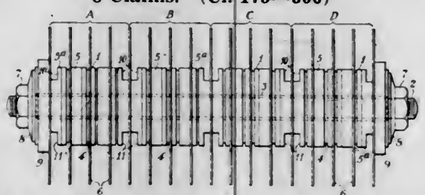
and to insert loss in the other path, said means consisting of an amplifier-detector, an impedance coupled to each hybrid coil network, short-circuiting means, and a relay, said relay removing one of said impedances from across one of the windings of its corresponding hybrid coil network in the path transmitting signaling currents and connecting the short-circuiting means across the bridge points of the same hybrid coil network.

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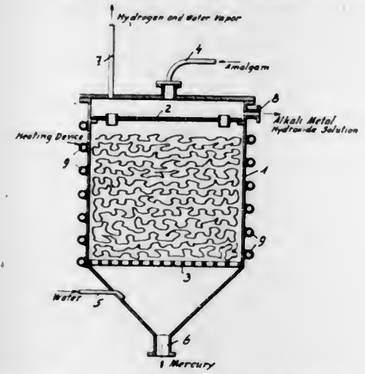
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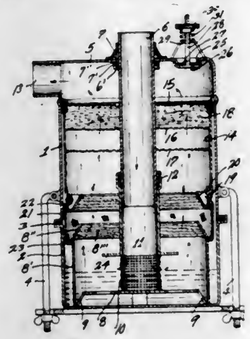
2,083,648
PREPARATION OF ALKALI METAL HYDROXIDE SOLUTIONS
Herbert Gorke, Leverkusen-I. G. Werk, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application January 27, 1933, Serial No. 653,904
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1. Process of preparing concentrated alkali metal hydroxide solutions which comprises trickling a stream of an alkali metal amalgam downwardly through a tower over and in contact with a mass of relatively small pieces of a solid catalyst so arranged in the tower in the path of said stream as to finely subdivide said stream while passing a stream of water upwardly through said mass of catalyst and maintaining a temperature within said mass of between about 60° C. and about 100° C. and separately withdrawing from said tower the resulting alkali metal hydroxide solution, hydrogen gas and mercury.

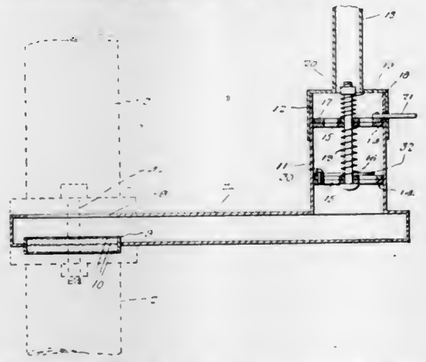
2,083,649
AIR CLEANER
George L. Heglar, Almira, Wash.
Application May 5, 1936, Serial No. 77,960
5 Claims. (Cl. 183—48)

4. An air cleaner comprising a housing, a pipe extending vertically in said housing and projecting through one end thereof, the other end portion of the housing having an air passage in a side thereof, a casing in said housing about said tube in spaced relation to the tube, a curtain of flexible material depending from the lower end of said casing, cleaning means carried in said



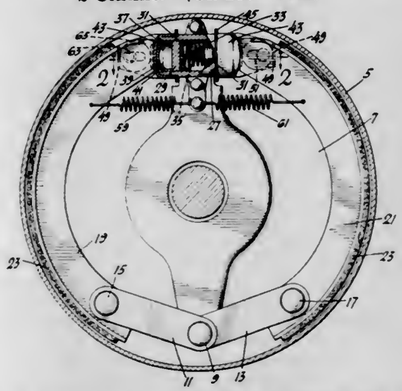
casing about said tube, and a baffle disc carried by the tube adjacent the lower end of said curtain in spaced relation thereto.

2,083,650
CARBURETOR ATTACHMENT
Jesse G. Hilton, Mena, Ark.
Application November 14, 1935, Serial No. 49,808
1 Claim. (Cl. 123—124)



An attachment for an engine which includes an inlet manifold, a carburetor, manually operated means for actuating the throttle valve of the carburetor and a casing having one end forming a conduit between the manifold and the carburetor, said end having openings forming a part of the conduit, screens placed across one opening, a cylinder in communication with the other end of the casing, a cap fitted on the upper end of the cylinder and having a pipe leading upwardly therefrom to form a restricted air inlet for the cylinder, upper and lower spaced partitions mounted within the cylinder and having openings therein, upper and lower spring pressed valve plates seated on the upper and lower partitions respectively, means for actuating the upper valve plate, said means comprising an arm connected with the upper valve plate, and passing through an opening in the cylinder, and a rod connecting the arm with the manually operating means for actuating the throttle valve of the carburetor, and means for actuating the lower valve plate, said means comprising a thermostat attached to a part of the exhaust manifold of the engine and a link connecting the thermostat with the lower valve plate.

2,083,651
BRAKE ADJUSTMENT
Gilbert K. House, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 14, 1935, Serial No. 36,100
2 Claims. (Cl. 188—79.5)



2. In combination, a drum, a cover plate, shoe means within the drum, a wheel cylinder, a plunger therein, a cup reciprocable upon the end of the cylinder, engaged by the plunger and adapted to engage and move the shoe, an angular member having one face adjustably secured to the cover plate and its other face positioned to be engaged by the marginal edge of said cup to determine a release position of the shoe means.

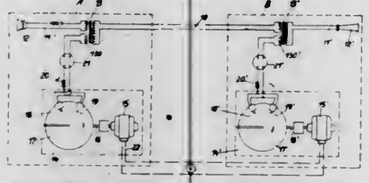
2,083,652
SEPARATE RECOVERY OF POTASSIUM PHOSPHATES AND AMMONIUM PHOSPHATES
Oskar Kaselitz, Berlin, Germany
No Drawing. Application January 30, 1935, Serial No. 4,078. In Germany February 10, 1934
7 Claims. (Cl. 23—107)

1. The process of separately recovering potassium phosphate and ammonium phosphate from a mixture consisting of both these salts, comprising treating the mixture in the presence of at least so much water that in carrying through the process all the phosphate is once dissolved, with that quantity of ammonia, which suffices to precipitate the phosphoric acid, which, calculated for monophosphate, is not linked to the alkali metal, under the form of triammonium phosphate, without any alkali salts being precipitated, thereafter separating the triammonium phosphate from the solution and evaporating the filtrate near boiling temperature for the recovery of the alkali phosphate.

2,083,653
TRANSMISSION SYSTEM
Erwin Käsemann, Steinstucken, near Berlin, Germany
Application March 30, 1933, Serial No. 663,574
In Germany January 20, 1933
7 Claims. (Cl. 179—1.5)

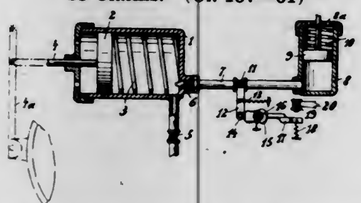
1. A transmission system for maintaining secrecy in the transmission of messages between a sending station and a receiving station by distorting the outgoing message currents by superimposing thereon at the sending station a distorting alternating current and by neutralizing the effect of said superimposed current at the

receiving station by superimposing on the distorted current at the receiving station a compensating alternating current opposite in phase to the distorting current, comprising at each of said



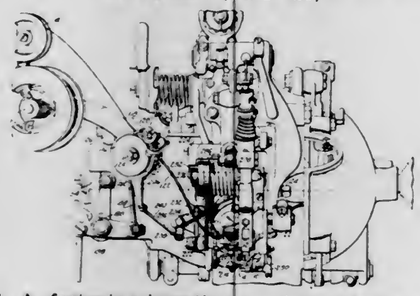
stations, means including a phonograph record, and a plurality of pick-ups adapted to pick up said phonograph record at a plurality of places thereon to produce said distorting and compensating currents respectively.

2,083,654
BRAKING SYSTEM
Wilhelm Kochmann, Berlin, Germany
Application November 26, 1935, Serial No. 51,667
In Germany February 4, 1926
13 Claims. (Cl. 187—81)



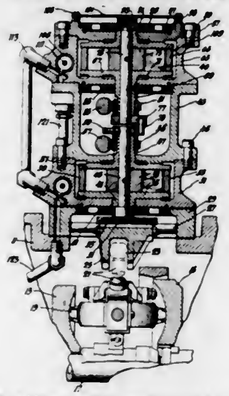
1. In a braking system of the character described, a brake cylinder, a member movable in the said cylinder actuating the brake, means for producing by the action of chemicals a difference in pressure on opposite sides of the said member, and means for automatically regulating the said difference in pressure during the action of the braking operation.

2,083,655
FASTENING-INSERTING MACHINE
Lester S. Macdonald, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 11, 1936, Serial No. 63,370
30 Claims. (Cl. 1—20)



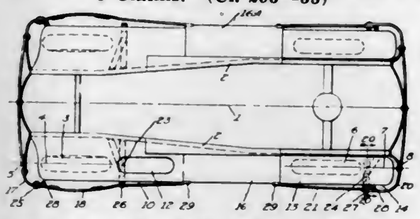
1. A fastening-inserting machine having, in combination, a sole rest, an overlaying member movable to lay the marginal portion of an upper inwardly over the outer face of a sole and to press the upper and a lip on the sole yieldingly against said sole rest, means for severing from fastening material pieces of different lengths and for forming each severed piece into a fastening, means for inserting each fastening through the upper and into the sole to secure the upper in lasted relation to the sole, and automatic means for determining the length of the fastening material severed to form a fastening in accordance with the thickness of the work between said overlaying member and the sole rest.

2,083,656
CONTROL OF VARIABLE SPEED TRANSMISSION
Alain Madié, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 2, 1936, Serial No. 88,553
11 Claims. (Cl. 74—190.5)



1. In combination with ratio changing transmission including a movable member, a plurality of control elements each having a first part adapted to assume a plurality of positions; and a second part movable under fluid pressure to a position determined by the position of the first part, means whereby a first one of said control elements moves said movable member, the second one being operable through the instrumentality of the second part of the first control element.

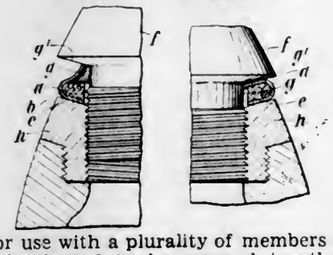
2,083,657
BUMPER CONSTRUCTION FOR AUTOMOBILES OR FOR OTHER AUTOMOTIVE VEHICLES
Lewis J. Morgan, Syracuse, N. Y.
Application May 2, 1933, Serial No. 668,979
9 Claims. (Cl. 293—55)



1. The combination with an automobile having the usual frame, wheels, tires, mud guards and running boards, of a bumper including a transverse member having its end portions curved at the corners of the vehicle, so that its extreme ends point in a direction lengthwise of the vehicle, side members pivoted at like ends to said ends of the transverse member, a yielding bracket

construction carried by the frame beneath the adjacent mud guard, each of the side members being connected between its end to the adjacent bracket construction and being slidably connected to the edge of the running board and quick detachable means connecting each side member to the bracket construction and the adjacent running board.

2,083,658
SELF-CENTERING WASHER
James Alexander Thomson Napier, London, England, assignor of two-thirds to Edwin James Hall and Hugh John Hall, London, England
Application March 30, 1935, Serial No. 13,826
In Great Britain April 4, 1934
7 Claims. (Cl. 288—1)



1. For use with a plurality of members of rigid material adapted to be screwed together in a fluid-tight manner, one of said members having a seat, and another of said members having a head, a screw threaded cylindrical portion cut away adjacent said head to form an undercut and adapted to be screwed into said seat provided member; a sealing washer adapted to be slid over said screw threaded portion comprising a main ring portion, an inwardly directed portion, and an easily deformable portion operatively associated with said main ring portion, said easily deformable portion being of softer material than said members and inwardly and axially directed, the inner edge thereof being disposed on the circumference of a circle concentric with said main ring portion, said inner edge being adapted to contact with said head and be thereby pressed into said undercut to automatically center said sealing washer with respect to said members when said head is moved toward seat seat.

2,083,659
SHOE AND METHOD OF MAKING THE SAME
William H. Nutt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 26, 1935, Serial No. 51,635
35 Claims. (Cl. 12—142)

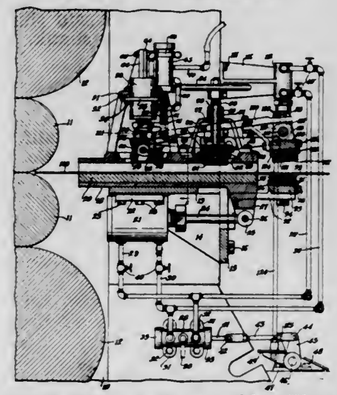


1. That improvement in methods of making shoes which comprises forming a groove in a shank piece inside its marginal portions, mounting the shank piece with a sole member on a last, securing the marginal portions of a shoe upper in lasted relation to the sole member and shank piece, and inserting the surplus marginal material at the shank portion of the upper in the groove in the shank piece.

32. A shank piece comprising a relatively inflexible member having a narrow groove in the central portion of its outer surface, said groove extending longitudinally of said surface to the forward end of the shank piece.

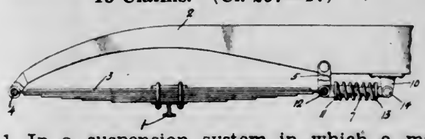
35. A shank piece comprising a relatively stiff member composed of material to which a shoe upper can be directly secured by metallic fastenings, said shank piece conforming in shape to the shank and heel portions of a last bottom and having an integral flange at its heel portion to form a counter for a shoe, the outer surface of said shank piece being shaped to fit the cupped attaching face of a conventional wood heel and having a central longitudinal groove extending rearwardly at least to the heel-breast line of the shoe for receiving the overlasted margins of the shoe upper.

2,083,660
MILL ENTRY BOX
Stone Nyberg, Dover, Ohio, assignor to Greer Steel Company, Dover, Ohio, a corporation of West Virginia
Application January 5, 1934, Serial No. 705,384
10 Claims. (Cl. 80—43)



1. In combination with a cold rolling mill, a guide box at the entry side of the mill arranged to receive the end portion of a metal strip or sheet to be rolled, a treadle, means operated by the treadle for gripping the strip or sheet upon the guide box, means operated by the treadle for moving the guide box toward the rolls of the mill and entering the end of the strip or sheet between the rolls, and means for then releasing the strip or sheet from the guide box.

2,083,661
SPRING SUSPENSION
Maurice Olley, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 5, 1935, Serial No. 34,713
18 Claims. (Cl. 267—17)



1. In a suspension system in which a main suspension spring is subjected to a changing load, means reducing the inherent rate of the spring in its normal load position and therefrom increasing the effective rate of the spring as the load is increased or decreased from normal and the spring is deflected from its normal

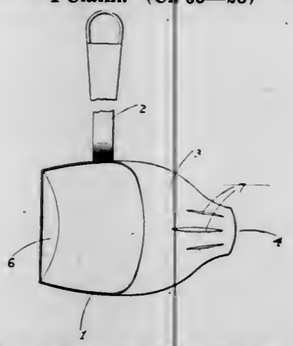
position, said means including an auxiliary spring, acting on the main suspension spring through a toggle of which one link is constituted by a part which is integral with the main suspension spring.

2,083,662
ROTARY PLOW CUTTER FASTENING
Fred F. Paris, Berkeley, Calif.
Application August 21, 1936, Serial No. 97,184
4 Claims. (Cl. 97—212)



1. In a soil working implement of the character described, a cutter supporting arm provided with a lug at its outer end having a flat surface against which the flat shank of a cutter is adapted to seat, a member forming a stop for the extreme end of said shank when in position, and a metal strap extending across the shank integrally connected at its ends to said lug, and a set-screw threaded through the lug in position to impinge against the side of said shank at a point closer to one edge of the shank.

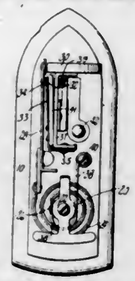
2,083,663
FRUIT DIPPER
Sadye L. Pearson, Colusa, Calif.
Application June 26, 1936, Serial No. 87,394
1 Claim. (Cl. 65—28)



In a fruit dipper including a ladle, a handle for the ladle and a shell enclosing the forward portion of the ladle, the shell and adjacent portion of the ladle being rounded and converging forward to form a substantially circular pouring spout; an upstanding longitudinally extending rib formed on the exterior of said spout whereby when the spout is placed in the mouth of a container the rib will engage the mouth and maintain the adjacent portion of the spout spaced from said mouth.

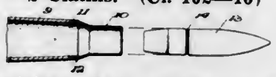
2,083,664
ROOM TEMPERATURE CONTROLLING SYSTEM
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application July 26, 1934, Serial No. 737,057
2 Claims. (Cl. 236—68)

1. In a room thermostat, switch contacts for opening and closing a burner circuit, a temperature responsive element for effecting switch opening and closing operation of said contacts with a predetermined mechanical differential, means for moving said temperature responsive element for changing its range of adjustment, terminals for said contacts, one of said contacts being mounted on said temperature responsive element and movable therewith and a flexible connection between one of said terminals and said movable



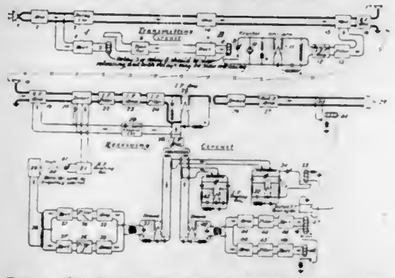
contact resisting flow of electric current to produce heat affecting the operation of said temperature responsive element when current flows through said switch contacts, said flexible connection being of such size and length as to produce a negative differential of substantially one-half said mechanical differential.

2,083,665
AMMUNITION AND ORDNANCE DEVICE
Paul E. Pihl, Chevy Chase, Md., and Sidney F. Mashbir, Washington, D. C., assignors to Washington Institute of Technology, Washington, D. C., a corporation of Delaware
Application October 6, 1933, Serial No. 692,522
2 Claims. (Cl. 102—16)



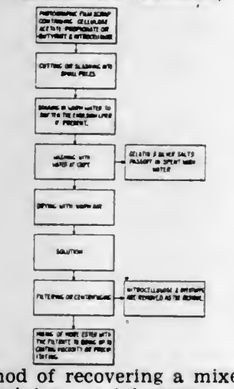
1. A cartridge shell formed of a synthetic resin material and having a metallic projectile receiving member embedded in said material.

2,083,666
HIGH FREQUENCY SIGNALING SYSTEM
Ralph Kimball Potter, Madison, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 30, 1933, Serial No. 691,704
30 Claims. (Cl. 178—44)



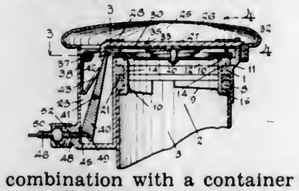
2. In a high-frequency transmission system, the method of control which consists in transmitting from one end of the system to the opposite end thereof alternately two series of high-frequency oscillations differing from each other only by a frequency shift of constant amount and utilizing the frequency shift to control at said opposite end a transmission channel connecting the ends of the system.

2,083,667
RECOVERY OF A MIXED ORGANIC ACID ESTER OF CELLULOSE FROM ITS MIXTURE WITH NITROCELLULOSE
Marvin J. Reid, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application May 5, 1934, Serial No. 724,201
17 Claims. (Cl. 260—102)



1. The method of recovering a mixed ester of cellulose containing acetyl groups and acyl groups of 3—4 carbon atoms from its mixture with nitrocellulose which comprises treating the mixture with a liquid, comprising an alkylene chloride, which is a solvent for the mixed ester and a non-solvent for the nitrocellulose and then removing the nitrocellulose therefrom.

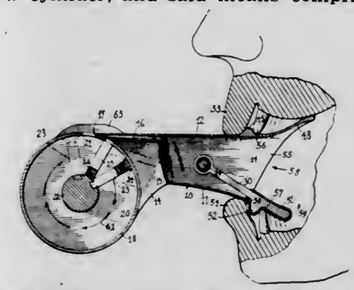
2,083,668
LOCKABLE CAP FOR VEHICLE FUEL TANKS
Charles A. Roesch, Toledo, Ohio
Application June 21, 1935, Serial No. 27,669
8 Claims. (Cl. 220—55)



1. In combination with a container having an opening, a collar surrounding the opening, the collar having a housing portion and a keeper portion formed at diametrically opposed points on the collar, a closure cap for closing said opening pivotally connected to said housing portion, a latch bolt movably supported in said cap and adapted to engage said keeper portion when the cap is located in closing relation to the opening, a movable element disposed in said housing portion adapted to engage and move the latch bolt from engagement with the keeper, and a member for actuating said element from a point remote to said cap.

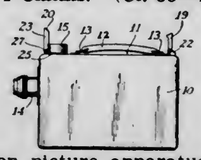
2,083,669
MECHANICAL ADJUSTABLE WHISTLE
Theodor Ruhlmann, Brooklyn, N. Y.
Application November 19, 1936, Serial No. 111,696
5 Claims. (Cl. 84—330)

1. In a whistle, having a hollow body one end of which is adapted to be inserted into the mouth of the player to blow a current of air therethrough, the other end having an exit opening to produce the sound, a closed hollow body secured to the sound producing end thereof, having a sound modulating opening adjacent to said sound producing opening of the whistle, and means in said hollow body to vary its volume of space connected with said modulating opening; said closed hollow body being in the form of a hollow cylinder, and said means comprising an



axial shaft journalled in the end walls of said hollow cylinder, a radial partition wall projecting from said shaft and rotatable therewith, the outer end thereof being in sliding but sealing engagement with the walls of said hollow cylinder, and a stationary radial partition wall the outer end of which is secured to the wall of the cylinder, the inner end being in sealing but slidable engagement with said shaft.

2,083,670
LENS CAP AND FINDER ARRANGEMENT FOR MOTION PICTURE APPARATUS
Alvin E. Schubert, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application May 31, 1935, Serial No. 24,262
4 Claims. (Cl. 88—1.5)

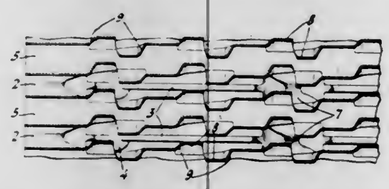


4. A motion picture apparatus, comprising a casing having at least one flat wall, an objective on said casing and having a definite field, a finder system on said wall of the casing for indicating the field of said objective and including a sighting element pivotally mounted on said wall, a resilient means for normally maintaining said sighting element in folded position along said flat wall, a cylindrical cap member for covering said objective and for alternatively blocking said sighting element in operative position, and a support on said casing having rounded portions for engaging and supporting said cap member in position to block said sighting element in said operative position and having a flat portion which permits said sighting element in said inoperative position to lie closely adjacent to said wall of the casing.

2,083,671
RADIATOR
Arthur J. Schutt, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 19, 1935, Serial No. 2,476
4 Claims. (Cl. 257—130)

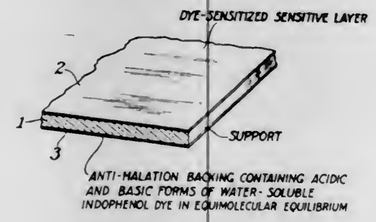
4. In a heat exchanger, a series of fins extending between spaced tubes to provide a series of

air cells, each fin having therein a transverse slit with the material on opposite sides of the slit offset oppositely out of the plane of the fin from a transverse line spaced from the slit and including a stepped section immediately adjacent the



slit lying in the general direction of air flow in the cell and an angularly extending riser portion connecting said stepped section with the fin, and making abrupt bends with both the fin and the stepped section.

2,083,672
ANTIHALATION BACKING FOR PHOTOGRAPHIC FILMS
Merrill W. Seymour, Irondequoit, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application January 8, 1935, Serial No. 878
3 Claims. (Cl. 95—9)



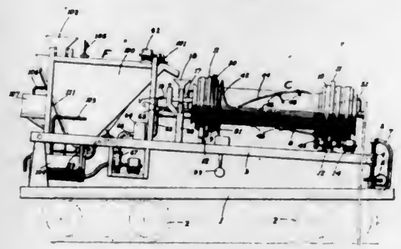
1. A sensitive photographic element comprising a support, a dye-sensitized sensitive layer, and a selectively light-absorbing layer comprising, as its essential light-absorbing component, a water-soluble indophenol dye, the sensitive layer and the selectively light-absorbing layer being on opposite sides of the support, and the acidic and basic forms of the indophenol dye being present in approximately equimolecular equilibrium.

2,083,673
HEADLIGHT INDICATOR AND ORNAMENT
Howard E. Shenehon, Minneapolis, Minn.
Application May 22, 1936, Serial No. 81,182
4 Claims. (Cl. 240—8.4)



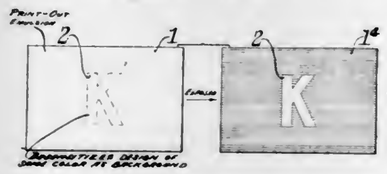
1. The combination with an automobile headlight casing of elongated tapering form having its end in a substantially vertical plane and a lens of substantially semi-spherical form having its surface substantially flush with and forming a substantial continuation of the surface of said casing, of an elongated comparatively narrow member of translucent material extending longitudinally along the top of said casing centrally thereof and having a portion extending onto and a short distance downwardly over the front of said lens, said member having a lower surface conforming to the surface of said casing and lens and being secured directly thereto whereby the light from said lens will illuminate the body of said member so as to be seen by the driver and whereby an ornament is provided.

2,083,674
SEPARATOR
Ira E. Smith, Stockton, Calif., assigned by decree of court to Lillian M. Smith, surviving widow
Application June 26, 1934, Serial No. 732,428
17 Claims. (Cl. 209—200)



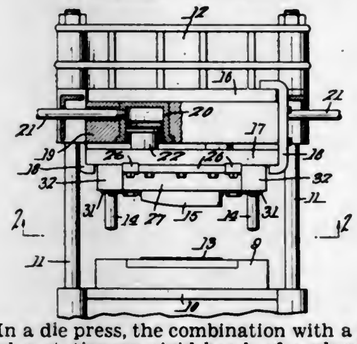
7. A separator comprising a cylinder to receive material to be separated, means to rotate the same, mercury in the bottom of the cylinder, means in the cylinder to move the mercury from one end to the other of the cylinder, means outside but mounted as a unit with and actuated by the rotation of the cylinder for returning the mercury from said other end to the one end thereof, and additional means outside and also actuated by the rotation of the cylinder to convey some of the mercury thus returned lengthwise of and discharge the same into the cylinder at a point intermediate the ends thereof.

2,083,675
PHOTOGRAPHIC PRINT-OUT MATERIAL HAVING A DESIGN THEREON
Joseph C. Ville, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application July 26, 1935, Serial No. 33,348
14 Claims. (Cl. 95—8)



1. A light-sensitive silver salt print-out surface having a design formed thereon with a solution of a colored compound and a chemical restrainer for the printing out of the light-sensitive compound.

2,083,676
FLOATING DIE HEAD FOR MOLDING PRESSES
Leroy W. Vinal, Leominster, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 23, 1933, Serial No. 694,807
6 Claims. (Cl. 18—16)



1. In a die press, the combination with a plunger and a stationary rigid head, of a plurality of cylinders carried by said head, means for introducing fluid pressure of the same intensity into said cylinders, a plunger in each cylinder, a plate against which all of said plunger bear with equal pressure, a cushion beyond said plate capable of yielding slightly at any point, and a series of dies abutting against the other side of the cushion for transmitting thereto the pressure from the first named plunger.

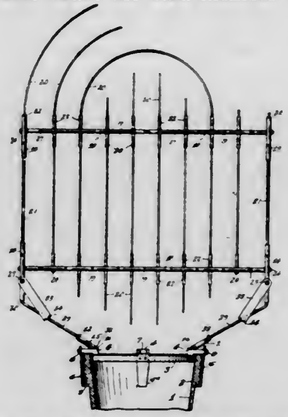
2,083,677
SIGHT FOR FIREARMS
Frederic S. Wilcox, Springfield, Mass., assignor by mesne assignments, to Savage Arms Corporation, New York, N. Y., a corporation of Delaware
Application July 21, 1936, Serial No. 91,732
5 Claims. (Cl. 33—56)



1. In a firearm sight the combination of a sight base having means at its lower part for rigid attachment to a firearm barrel, a tongue pivotally secured at one end to said sight base and extending lengthwise of the barrel, a sight piece at the free end of the tongue, an anchor arm fixedly secured at one end to said base and extending lengthwise of said tongue and means operatively connecting said rigid arm and said tongue intermediate its ends for swinging said tongue laterally and holding it at adjusted position.

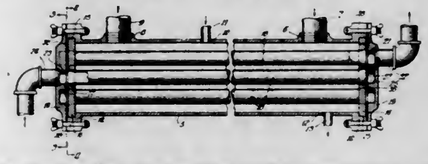
2,083,678
PLANT SUPPORT AND TRELLIS
Davis G. Wilson, Rochester, N. Y.
Application October 9, 1936, Serial No. 104,859
19 Claims. (Cl. 47—47)

1. In a device of the character described the combination, with a flower pot or like container, of a base conformed to and supported upon the container wall and having a plurality of openings therein, means for securing the base to the container, a plant supporting member as a wire engaging in a selected one of said openings, and a detachable brace for said member carried by



the base, the plant supporting member comprising means for holding said brace against removal.

2,083,679
MILK PREHEATER
Virgil Winstead Adams, Danville, Ill., assignor to Consolidated Products Company, Danville, Ill., a corporation of Nebraska
Application December 7, 1934, Serial No. 756,451
1 Claim. (Cl. 257—236)

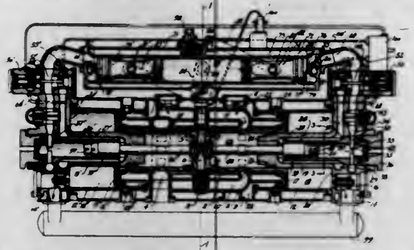


A device for preheating milk comprising conduit means comprising a plurality of longitudinally horizontal, generally co-extensive, substantially parallel sections of metallic tubing which are interconnected at the ends thereof to define a single, continuous conduit having one or more reflexed bends therein, means for causing the milk to be heated to flow through said conduit, and means for heating the outer surface of said conduit thereby heating the milk flowing therethrough, said heating means comprising a generally cylindrical, liquid-tight casing which encloses at least a substantial portion of said horizontally extending tubes, said casing having at least two longitudinally spaced inlet openings and at least one outlet opening formed in the top portion thereof, one inlet opening being positioned adjacent one end of the casing, said outlet opening being positioned adjacent the other end of the casing, means for introducing a fluid heating medium into said casing through one of said inlet openings, and means for introducing a cooling medium into said casing through the other of said inlet openings, said casing also having a second outlet opening which is located at the bottom portion thereof.

2,083,680
INTERNAL COMBUSTION ENGINE
Gilbert V. Anderson, Philadelphia, Pa., and Albert T. Bremser, Westmont, N. J., assignors to Larner Machine Company, Philadelphia, Pa., a corporation of Delaware
Application November 11, 1933, Serial No. 697,560
19 Claims. (Cl. 123—46)

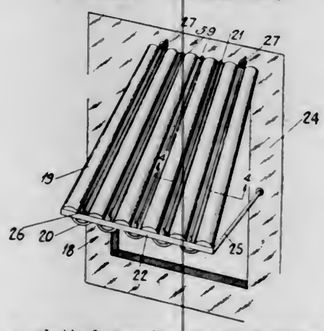
1. In an opposed free piston internal combus-

tion engine, the combination of a reciprocating pump driven by an engine piston, an engine accumulator containing pistons for effecting the compression strokes of the engine pistons, fluid connections between the accumulator pistons



and the engine pistons whereby the pressure in the accumulator is communicated to the engine pistons to effect the compression strokes thereof and means for synchronizing the movements of the accumulator pistons.

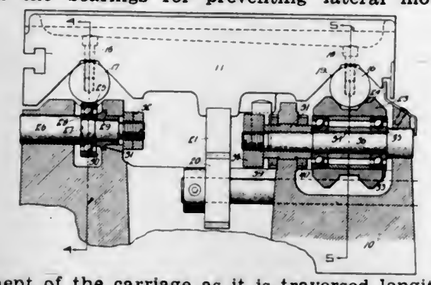
2,083,681
SLATTED AWNING AND DRAIN
Albert D. Baldwin, Pleasantville, N. Y.; Isabelle B. Baldwin executrix of said Albert D. Baldwin, deceased
Application October 16, 1933, Serial No. 693,709
3 Claims. (Cl. 156—15)



1. In a slatted awning comprising end rails and an upper and lower series of parallel slats, said slats being spaced apart and fastened in right-angular relation with said rails, said upper series of slats being in staggered and overlapping relation with said lower series and forming lateral passageways therebetween, and upright fins secured to said rails and extending above and intermediate said upper slats to prevent glaring rays of sunlight intensity from passing to the undersurface of said awning.

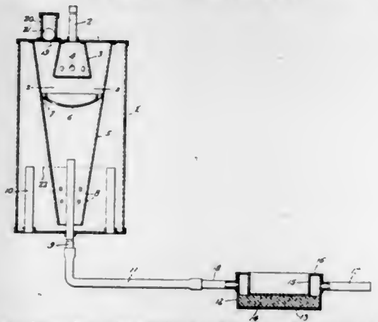
2,083,682
CARRIAGE MOUNTING FOR GRINDING MACHINES
Harold E. Balsiger and Conrad L. Ott, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa., a corporation of Pennsylvania
Application November 25, 1931, Serial No. 577,318
Renewed November 12, 1936
2 Claims. (Cl. 308—6)

1. In a grinding machine in combination a work carriage, a machine base, a plurality of rotatable bearings fixed in said base, a pair of parallel grooves in the underside of said carriage, each groove having a bar fixed therein and secured to the carriage, said bars resting upon the peripheries of the bearings for preventing lateral move-



ment of the carriage as it is traversed longitudinally of the said base.

2,083,683
DEVICE FOR SUPPLYING MOISTURE TO MOTORS
John Ervin Bowman, Buchanan, Mich.
Application October 29, 1935, Serial No. 47,337
1 Claim. (Cl. 123—25)

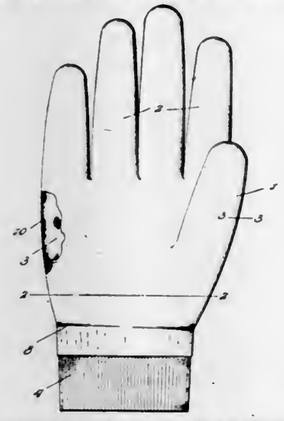


The herein described device for supplying moisture to motors, comprising essentially an upright receptacle, an outlet in the top of the receptacle, a bowl pendent from the top of the receptacle and disposed therein and surrounding said outlet opening and having a closed lower end and a perforated side wall, a shell pendent in the receptacle from the top thereof and having an apertured lower portion terminating adjacent to the bottom of the receptacle, an upright fluid inlet pipe extending upwardly through the bottom of the receptacle and terminating in said shell at a point spaced above the apertured portion thereof, a cup-shaped baffle in the shell and supported by the side thereof and having its peripheral portion engaging the shell side and equipped with spaced indentations defining bypasses between it and the shell side, upstanding tubes in the receptacle and on opposite sides of the lower portion of the shell and extending through apertures in the bottom of the receptacle and terminating in a plane below that of the upper end of the fluid inlet pipe and at a point above the apertured portion of the shell.

2,083,684
RUBBER COATED GLOVE AND METHOD OF MAKING THE SAME
Samuel J. Burke, Dubuque, Iowa
Application March 29, 1935, Serial No. 13,752
1 Claim. (Cl. 2—168)

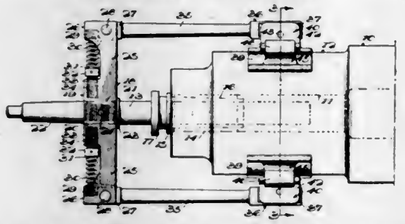
A hand covering comprising a woven fabric body having thumb and finger portions, a wristlet of knitted material having its forward end

stitched to the rear end of said body and being transversely expansible whereby the wristlet may contract and have close fit about a person's wrist when the hand covering is worn, and a coating of pliable rubber entirely covering all portions of the outer surface of the body and having its rear portion extending in overlying relation to the forward portion of the wristlet and extending entirely about the same to cover and seal the



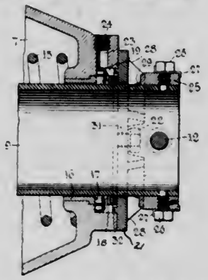
stitched connection between the wristlet and the rear end of the body and cause the body and forward end portion of the wristlet to be water and acid proof, said coating covering only the forward portion of the wristlet and having its rear edge spaced forwardly from the rear end of the wristlet an appreciable distance whereby the coating may protect the forward portion of the wristlet without interfering with the elasticity of the uncoated portion of the wristlet.

2,083,685
GRINDING OR POLISHING DEVICE
Lloyd Burkhalter, Columbus, Ohio, assignor of one-fourth to Ray Edgar Falkinburg and one-fourth to Maynard Lee Davis, both of Columbus, Ohio
Application July 27, 1936, Serial No. 92,919
24 Claims. (Cl. 51—185)



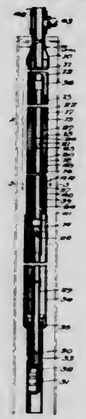
1. In a machine of the character described, a rotary carrier, generally circumferentially extending pins mounted upon the rotary carrier near its outer portions, arms having generally circumferentially extending openings to receive the pins so that the arms are pivotally mounted upon the carrier, the pins holding the arms against radial movements at the pins; grinding or polishing devices connected with the free ends of the arms, springs separate from the pins and carried by the rotary carrier and engaging the ends of the arms at points spaced from the pins and upon the opposite side of the pins with respect to the free ends of the arms, the springs serving as the means to turn the arms upon their pins to swing the free ends of the same inwardly toward the work, and separate means to adjust the tension of each spring.

2,083,686
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application January 6, 1936, Serial No. 57,828
3 Claims. (Cl. 308—4)



1. The combination of a brake cylinder; a piston having a piston rod; a combined lubricating and dust excluding means carried by said brake cylinder; a retainer ring for said lubricating and dust excluding means, said retainer ring having beveled surfaces on one face thereof; a collar carried by said piston rod, said collar having a beveled face adapted to coact with the beveled faces of said retainer ring; and a spring rendering said coaction effective to center and confine said piston rod against vibration as the rod approaches its limit of motion toward release position.

2,083,687
DEEP WELL PUMP
Roy L. Chenault, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application September 4, 1936, Serial No. 99,477
4 Claims. (Cl. 103—231)



1. A deep well pump comprising a tube string, a displacement chamber carried thereby to extend into the liquid in a well, a source of pneumatic pressure, a reciprocable eduction pipe within said tube string which may be lowered to an extreme position outside the normal limit of its reciprocation, valve means normally actuated by

reciprocation of the eduction pipe for alternately admitting liquid from the well to the displacement chamber while venting the same and expelling such liquid therefrom under pneumatic pressure from said source in normal operation, said valve means having an elongated passage communicating with the interior of said eduction pipe and establishing through communication from said source of pneumatic pressure to the well in the extreme lowered position of said eduction pipe, thereby in such lowered position of the eduction pipe to eject liquid trapped in the pump under pneumatic pressure not substantially exceeding that required for succeeding normal pump operations.

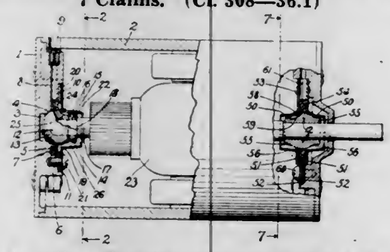
2,083,688

BEARING GUARD AND OIL RETRIEVER

William J. Clements, Chicago, Ill., assignor to Clements Mfg. Co., Chicago, Ill., a corporation of Illinois

Application November 15, 1935, Serial No. 49,898

7 Claims. (Cl. 308—36.1)



1. A unitary bearing member and a shaft rotating therein, oil containing means exteriorly associated with said bearing member, a shield surrounding said bearing member and shaft, and positioned in the line of delivery of oil escaping from said bearing member and shaft, and means associated therewith for returning the escaping oil to said oil containing means, a plate in which said bearing member is seated, a ball and socket connection between said bearing member and plate, said plate including an aperture adapted to receive said oil containing means, said shield including a securing member adapted to be secured to said plate and to confine said oil containing means, and a sleeve extending axially along said bearing member and shaft.

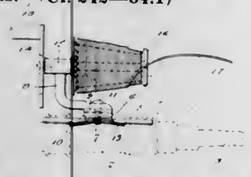
2,083,689

FISHING REEL

Paul M. Clifford, Green Bay, Wis.

Application September 1, 1936, Serial No. 98,939

2 Claims. (Cl. 242—84.1)



1. A fishing reel comprising a plate adapted to be fixedly secured on a fishing pole, an arm rotatably mounted on said plate, a substantially conical spool rotatably mounted on said arm, means for manually actuating the spool, coacting means on the plate and the arm for releasably securing said arm in adjusted position, the last-named means including a substantially flat, circular base fixed on the plate, radial ribs rising from said base, a disk fixed on the arm and rotatably engaged on the base, said disk having radial grooves therein for the reception of the ribs, a pivot element extending through the base and the disk, and resilient means connected to said pivot element for yieldingly urging the disk against the base.

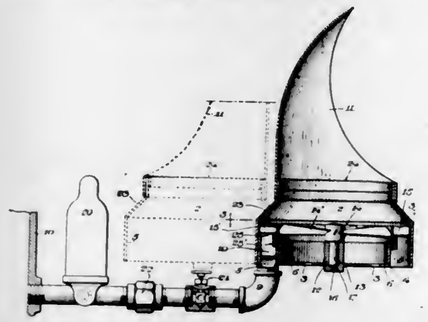
2,083,690

HUMIDIFIER

Bernhardt Cohen, New York, N. Y.

Application October 3, 1935, Serial No. 43,322

12 Claims. (Cl. 237—78)



1. A humidifier adapted for attachment to the steam outlet of a radiator and comprising a mixing chamber having air ingress openings at its bottom and inwardly sloping side walls adjacent to its top, a single point bearing spindle within said chamber, a fan carried by said spindle, and a turbine encircling and connected with said fan, said bottom having means at one side thereof for attachment to the outlet pipe of a radiator, said outlet having an inclined opening for directing steam against the turbine.

2,083,691

METHOD OF PRODUCING ALKALI METAL PEROXIDE

George Lewis Cunningham, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

No Drawing. Application September 29, 1936 Serial No. 103,103

6 Claims. (Cl. 23—184)

1. In the production of anhydrous alkali metal peroxides, the improvement which comprises oxidizing an hydrazo compound in the presence of an alcoholate of the alkali metal and of an alcohol having less than four carbon atoms in an anhydrous mixture of benzene and the same alcohol to form the corresponding azo compound and to precipitate the anhydrous peroxide, the molar ratio of benzene to alcohol being not less than about 10:1, the molar ratio of alcohol including alcohol present as alcoholate to the hydrazo compound being not more than about 2:1, and the proportion of benzene being sufficient to maintain the hydrazo and azo compounds in solution.

2,083,692

PRODUCTION OF FERRIC CHLORIDE

Kurt William Freddy Dorph and Maurice C. Taylor, Niagara Falls, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

No Drawing. Application August 15, 1934, Serial No. 739,937

6 Claims. (Cl. 23—87)

1. In the production of ferric chloride, the improvement which comprises chlorinating a dry mixture of ferrous chloride and iron, in proportions of about 20:1, at a temperature above the boiling point of ferric chloride and below the melting point of ferrous chloride and maintaining said temperature solely by exothermic heat of reaction.

2,083,693

PRODUCTION OF ALIPHATIC ALCOHOLS AND ESTERS

Henry Dreyfus, London, England

No Drawing. Application March 18, 1933, Serial No. 661,565. In Great Britain April 21, 1932

19 Claims. (Cl. 260—106)

1. Process for the manufacture of alcohols and esters, which comprises thermally decomposing hydrocarbons in the presence of the vapor of a carboxylic acid containing at least two carbon atoms in the molecule.

2,083,694

MANUFACTURE OF ARTIFICIAL MATERIALS

Henry Dreyfus, London, England

No Drawing. Application October 23, 1934, Serial No. 749,674. In Great Britain November 22, 1933

10 Claims. (Cl. 18—54)

1. Process for the manufacture of artificial filaments, threads, yarns, ribbons and like filamentary products, which comprises forming a solution which has a basis of an organic derivative of cellulose and which contains a compound selected from the group consisting of lignin and organic esters and ethers thereof, and extruding such solution through a shaping device into a setting medium.

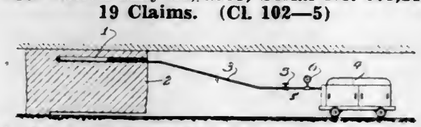
2,083,695

BLASTING METHOD AND APPARATUS

Raymond W. Dull, La Grange, Ill., assignor to Safety Mining Company, a corporation of Illinois

Application May 27, 1933, Serial No. 673,146

19 Claims. (Cl. 102—5)



1. A material breaking apparatus comprising a source of compressed gas, a supply pipe extending therefrom to the material to be broken, a cartridge connected to said supply pipe and adapted to be positioned in or adjacent the material to be broken, said cartridge embodying a differential valve controlling the release of compressed gas from said cartridge into the material to be broken, said valve being actuated into closing position by the introduction of compressed gas into said cartridge through said supply pipe and being actuated into open position when the flow of gas is reversed, and means for cutting off the flow of gas from said source and reversing the flow of gas in said supply pipe, thereby effecting release of the compressed gas from said cartridge into the material to be broken.

2,083,696

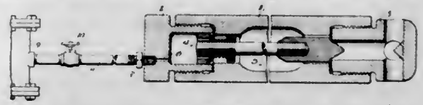
BLASTING METHOD AND APPARATUS

Raymond W. Dull, La Grange, Ill., assignor to Safety Mining Company, a corporation of Illinois

Application June 17, 1933, Serial No. 676,227

20 Claims. (Cl. 102—5)

1. A method of breaking down materials which consists in confining a single energy storing charge of expansible fluid at material breaking pressure in the material to be broken down, and releasing said charge in the material to be broken in a succession of distinct discharges to break down the material by the expansive action of the fluid thereon.



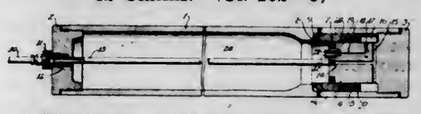
2,083,697

APPARATUS FOR BREAKING MATERIAL

Raymond W. Dull, La Grange, Ill., assignor to Safety Mining Company, a corporation of Illinois

Application April 5, 1934, Serial No. 719,109

42 Claims. (Cl. 102—6)



1. A blasting cartridge comprising a container adapted to be charged with a compressed fluid at blasting pressure and having an orifice through which such fluid may be discharged, and a fluid pressure controlled valve for retaining the pressure in said container and for releasing the pressure consisting of a single movable part for governing said orifice, said valve being positioned entirely at the discharge end of said container adjacent said orifice.

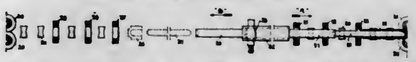
2,083,698

PUSH BENCH METHOD AND APPARATUS

William H. Engelbertz, Pittsburgh, Pa.

Application February 17, 1934, Serial No. 711,677

8 Claims. (Cl. 205—4)



1. The method of transforming cupped workpieces into tubes over mandrels in machines of the push bench type in one operation, during which the work-piece remains partially clear of the mandrel while forcing said mandrel, with the work-piece upon its forward end, through a succession of oval-shaped reducing dies, thus obtaining a tubular body of oval cross-sectional form and of equal wall-thickness throughout; and, subsequently, forcing said oval-shaped tubular body while partially loose upon the mandrel, with said mandrel through finishing dies for reshaping said tubular body without reducing its cross-sectional area or wall-thickness, into a tube true in diameter while, simultaneously, completely clearing the tube from the mandrel along which it is produced.

2,083,699

BLASTING CARTRIDGE

Alexander D. Ferguson, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois

Application December 7, 1934, Serial No. 756,514

20 Claims. (Cl. 102—6)

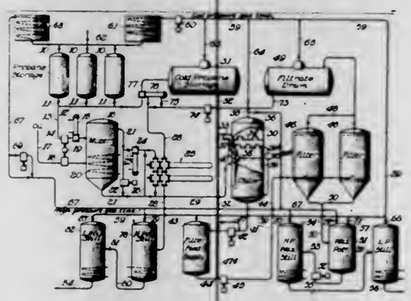
1. In a pre-charged blasting cartridge, a container for receiving a charge of high pressure gas, discharge means for the blasting charge, and self-contained means embodied in the cartridge

adapted to be rendered active to effect release of the discharge means after the lapse of a definite time interval and subsequent to the positioning of the cartridge with respect to the work, said release means including a casing at-



tachable to the cartridge container and having a chamber containing calcium carbide and sealed from the interior of said container, a chamber containing water, and valve means for allowing flow of water from said water chamber to said carbide chamber.

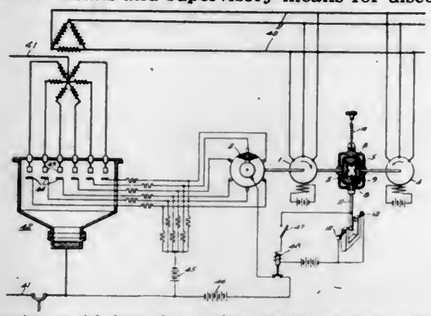
2,083,700
PROPANE DEWAXING
Henry O. Forrest, Teaneck, and Lee Van Horn, Elizabeth, N. J., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 30, 1934, Serial No. 733,258
7 Claims. (Cl. 196—18)



5. The method of chilling a propane solution of waxy oil dissolved in about an equal volume of propane at a relatively high temperature, which comprises partially cooling said mixture by indirect heat exchange, introducing the partially cooled solution into a closed chilling zone, vaporizing propane from the solution in said chilling zone, introducing cold liquid propane at the top of said chilling zone out of contact with the solution therein, condensing propane vapors in the cold liquid propane to bring it into temperature equilibrium with the propane solution, introducing the warmed propane into the solution in the lower part of the chilling zone, and removing propane vapors from the top of said chilling zone at a rate to maintain the ratio of propane to waxy oil at about 1 to 1 during the refrigeration thereof.

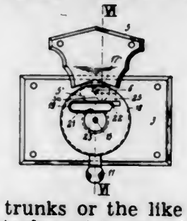
2,083,701
PROTECTIVE SYSTEM FOR RECTIFIERS
Walter Fouquet, Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application October 9, 1936, Serial No. 104,844
In Germany September 30, 1935
11 Claims. (Cl. 175—363)

10. A protective system for a multi-valve vapor electric device comprising control electrodes associated with the valves of said device, circuit means for impressing control impulses on said electrodes, a contact apparatus running at synchronous speed for applying said impulses to said circuit means and supervisory means for discon-



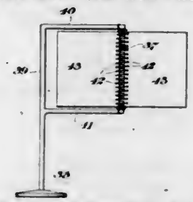
tinuing said impulses when said contact apparatus deviates from synchronous speed.

2,083,702
TRUNK LOCK
Karl August Franzen, Solingen, Germany
Application May 9, 1935, Serial No. 20,558
In Germany July 11, 1934
18 Claims. (Cl. 70—70)



1. A lock for trunks or the like comprising a base plate for attachment to one of the relatively movable parts of the trunk or the like, a latch member carried by the base plate and turnable about an axis perpendicular to the latter, a catch plate for attachment to the other of the relatively movable parts of the trunk or the like, a catch on said catch plate, a catch engaging part on said latch member, and a resilient arm carried by said latch member and located in the path of movement of the catch plate, said catch plate being adapted to contact with the resilient arm during the closing movement of the lock at such a point as to apply to the latch member a turning movement, thereby automatically to effect the rotation of the latter on its axis for automatically interengaging the catch and the catch engaging member.

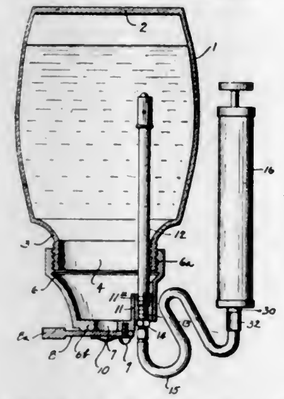
2,083,703
SPIRALLY BOUND SHEAF AND SHEAF DEVICE
Walter Grumbacher, New York, N. Y.
Application April 7, 1933, Serial No. 664,852
4 Claims. (Cl. 281—25)



4. In a binding construction, in combination, an elongated supporting member, spiral binding

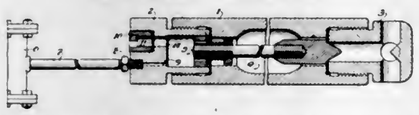
means surrounding said members and having portions thereof in engagement with said member so as to support it therefrom and so as to prevent rotation and endwise movement of said engaged portions in relation to said member, and perforated sheets having the spiral binding means threaded through the perforations thereof.

2,083,704
BULK FOOD DISPENSER
Harold P. Hall and Arthur T. Hartwick, Seattle, Wash.
Application February 3, 1936, Serial No. 62,188
6 Claims. (Cl. 221—77)



1. In a dispensing device of the character described, a container having a discharge opening, a closure means for said opening, an air tube entering the container having a lateral discharge port, and an elastic sleeve fitted to said tube and overlying said port to close the latter against outflow of air from the container.

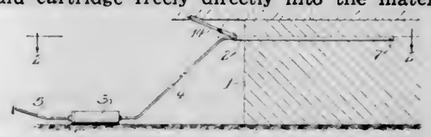
2,083,705
BLASTING DEVICE
Allyn Harris, Chicago, Ill., assignor to Safety Mining Company, a corporation of Illinois
Application June 14, 1933, Serial No. 675,698
Renewed October 8, 1934
28 Claims. (Cl. 102—6)



1. A material breaking apparatus comprising a cartridge adapted to receive a charge of high pressure air or gas and embodying a discharge orifice through which such charge may be released, a differential valve mechanism normally sealing said orifice when pressure exists within the cartridge, and means for effecting the opening of said differential valve mechanism automatically upon the attainment of a predetermined pressure within the cartridge.

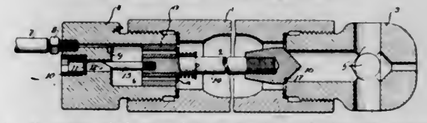
2,083,706
BLASTING APPARATUS
Allyn Harris, Wheaton, Ill., assignor to Safety Mining Company, a corporation of Illinois
Application July 17, 1933, Serial No. 680,757
5 Claims. (Cl. 102—5)

1. An apparatus for breaking coal or other materials comprising a cartridge positioned outside of the material and adapted to receive, retain, and discharge a desired volume of compressed air, means for conducting the air discharged from said cartridge freely directly into the material



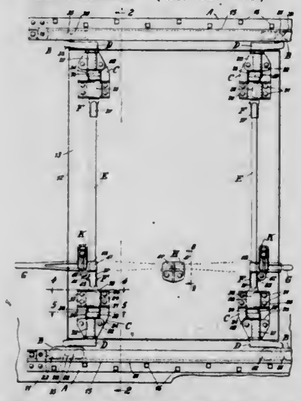
and controlling its direction of release, and pressure responsive differential valve means embodied in the cartridge for confining the compressed air in the cartridge and for effecting discharge at will of the compressed air from the cartridge.

2,083,707
BLASTING CARTRIDGE
Allyn Harris, Wheaton, Ill., assignor to Safety Mining Company, a corporation of Illinois
Application August 5, 1933, Serial No. 683,739
Renewed November 26, 1934
18 Claims. (Cl. 102—6)



1. A material breaking device of the character described comprising a cartridge embodying a charge receiving chamber having a discharge orifice, a differential valve mechanism designed to control said discharge orifice, a control pocket for governing the action of said differential valve mechanism, means for venting said control pocket to the atmosphere, and means consequent upon movement of the differential valve mechanism for accelerating the venting of said control pocket.

2,083,708
REFRIGERATOR CAR DOOR
Stacy B. Haseltine, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application April 20, 1934, Serial No. 721,514
11 Claims. (Cl. 20—23)



7. In a door operating mechanism, the combination with means for forcing said door either open or closed; of a pair of parallel spaced rotary actuating bars for operating said first named means; supporting brackets on the door in which said bars are journaled; guide brackets carried

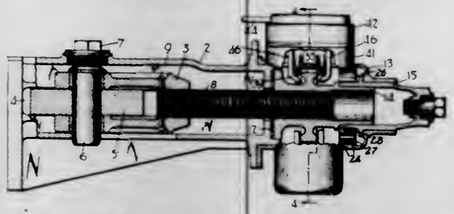
by said bars a slidable rack bar supported in said guide brackets; pinions on said actuating bars meshing with said rack bar; and a lever fixed to one of said actuating bars for rotating the latter.

2,083,709
BLASTING DEVICE
Henry E. Hayward, Indianapolis, Ind., assignor to Safety Mining Company, a corporation of Illinois
Application July 22, 1933, Serial No. 681,680
26 Claims. (Cl. 102—6)



1. A blasting device comprising a substantially indestructible cartridge body having formed therein a chamber for the reception of high pressure air or other form of fluid possessing potential energy, a disc for sealing said chamber and normally confining the charge therein, means for uniformly subjecting the entire exposed outer surface of said disc to a fluid pressure sufficient to maintain it against shearing under the influence of the pressure exerted thereon from the main chamber of the cartridge, and means for releasing said fluid pressure acting on the outer surface of said disc.

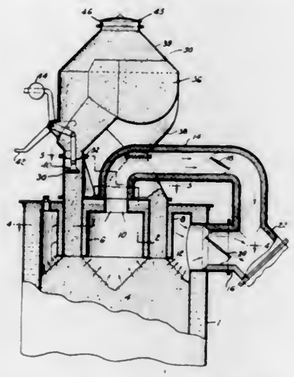
2,083,710
AUTOMATIC SLACK ADJUSTER
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 16, 1936, Serial No. 90,862
12 Claims. (Cl. 188—203)



1. In a brake slack adjuster, the combination with a ratchet wheel and pawl, and means operated thereby for taking up the slack, of a piston subject on one side to fluid under pressure for operating said pawl, a spring opposing the fluid pressure on the piston, latching means for preventing accidental reverse movement of the ratchet wheel, a manually operable means coupled to the said ratchet wheel for releasing the latching means to permit movement of the ratchet wheel in a direction to let out slack, and separate coupling means operative after a predetermined movement of said manually operable means in the opposite direction for releasing the latching means to permit movement of the ratchet wheel in a direction to take up slack.

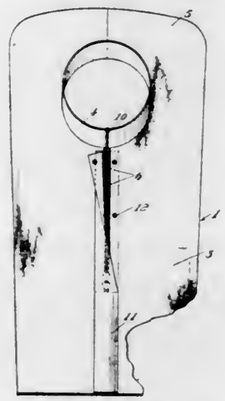
2,083,711
GAS PRODUCER
Ansel B. Huyck, Great Neck, N. Y.
Application March 27, 1935, Serial No. 13,262
8 Claims. (Cl. 48—86)

1. A gas producer comprising a fuel chamber, a magazine comprising concentric walls adapted to feed a ring of fuel to the fuel bed, said magazine being spaced inwardly from the outer wall of the producer and dividing the portion above the fuel bed into an inner and an outer gas offtake chamber, a take-off leading from each offtake chamber, a hopper for supplying fuel to the magazine, said hopper being provided with a plurality of discharge throats, a plurality of pyra-



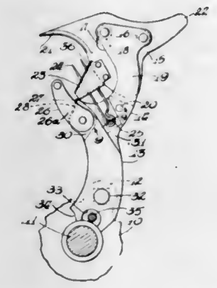
mid-like members connecting the hopper throats and the magazine, said members having their bases alined with and in aggregate of substantially the same opening as the magazine and having their walls diverging upwardly and terminating at the discharge throats at an angle to prevent rolling and segregating of the fuel as it drops into and through the pyramid-like members.

2,083,712
RABAT
Matteo Di Iorio, Plainfield, N. J.
Application June 23, 1936, Serial No. 86,863
1 Claim. (Cl. 2—118)



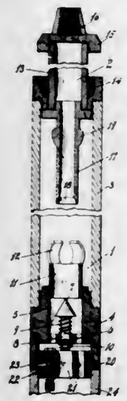
In a garment, a divided body encircling portion having two edges normally lying in opposed relation, and means for detachably coupling said edges comprising a longitudinally slotted tube secured to and extending along one of said edges and a bar of a cross-sectional contour to snugly position longitudinally in said tube, secured along the other one of said edges, the bar being adapted to be inserted into the tube through one end of the latter.

2,083,713
PICKER ARM FOR POTATO PLANTERS
Arnold E. W. Johnson, Chicago, Ill., and Joseph I. Mitchell, Auburn, N. Y., assignors to International Harvester Company, a corporation of New Jersey
Application June 5, 1935, Serial No. 25,030
8 Claims. (Cl. 221—133)



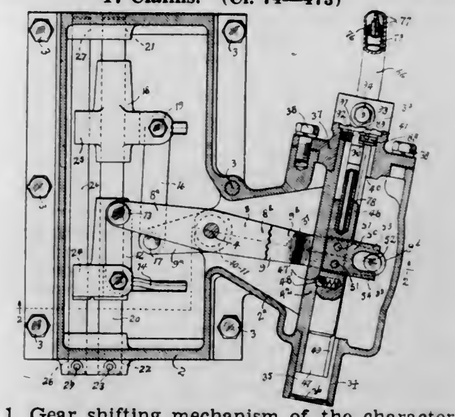
1. In a potato planter, a picker comprising a picker arm, a stripper plate pivotally mounted on said picker arm comprising a finger portion and a heel portion, picking means mounted on said picker arm adapted for spearing potato seed, and means on said stripper plate cooperating with said picking means permitting the adjustment of the picking means whereby the picking means is adjusted for the size of the potato seed used.

2,083,714
EXTENSIBLE PRESSURE BAILER
Edgar D. Keeler, Long Beach, Calif.
Application January 8, 1934, Serial No. 705,753
24 Claims. (Cl. 166—19)



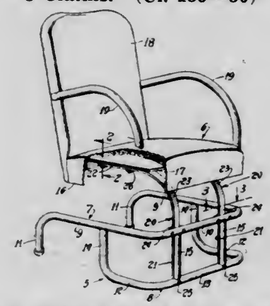
1. A fluid pressure bailer comprising a lower casing, an upper tubing telescopically mounted in the casing, said casing and tube each having chambers therein, valve means seated in the lower end of the tubing, mounting means for the valve in the casing, means releasably engaging the tubing whereby it is held in lowered position and with said valve closing the tube, said tubing being adapted to be disengaged from the releasable means, and the valve opened whereby a charge is taken into the casing on relative upward movement of the tubing and valve, said casing having an intake at the bottom thereof.

2,083,715
GEAR SHIFTING MECHANISM
Elmer G. Kesling, Bloomfield, Mo.
Application November 11, 1935, Serial No. 49,274
17 Claims. (Cl. 74—473)



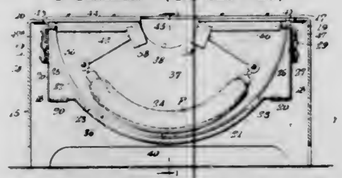
1. Gear shifting mechanism of the character described comprising a case, shifter yokes mounted in said case, levers mounted in said case and having permanent link connection with said shifter yokes respectively, an actuator mounted in said case for rocking and longitudinal movements, a device supported by said actuator selectively engageable with said levers respectively, means for rocking said actuator to engage said device with said levers selectively and for moving said actuator longitudinally to operate the selected lever and shift the shifter yokes, and means supporting said actuator and controlled by said device for locking the unselected lever against movement.

2,083,716
CHAIR
Elof P. Klar, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application May 23, 1936, Serial No. 81,527
5 Claims. (Cl. 155—50)



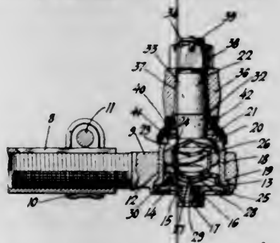
5. A chair embodying therein a base, including top and bottom side portions and top and bottom cross members connecting said side portions together at the front, laterally spaced upright posts extending between and secured to said top and bottom cross members, a plurality of laterally spaced flexible members each including a substantially upright portion and a top end substantially horizontal portion connected thereto by a curved corner portion, means for connecting the upright portions to said cross members, and a seat operatively secured to said horizontal portions of said flexible members.

2,083,717
FRANKFURTER COOKER
Samuel Kohn, Jackson Heights, N. Y.
Refiled for abandoned application Serial No. 739,523, August 13, 1934. This application December 7, 1936, Serial No. 114,660
8 Claims. (Cl. 219—19)



8. In an electrical cooker for Frankfurters or the like, spaced arms, a universal ball and socket mounting for each arm, and an electrode at the free end of each arm, each electrode comprising a pair of relatively movable resiliently mounted tines, adapted when moved toward each other to pierce and enter the end of a Frankfurter, and further adapted when so entered, to tend to spread apart to maintain good electrical contact with the meat of the Frankfurter to prevent arcing.

2,083,718
STEERING LEVER JOINT
Walter A. Kull, Saginaw, and Olaf Rasmussen, Detroit, Mich., assignors to General Motors Corporation, Saginaw, Mich., a corporation of Delaware
Application September 8, 1934, Serial No. 743,206
6 Claims. (Cl. 287—90)

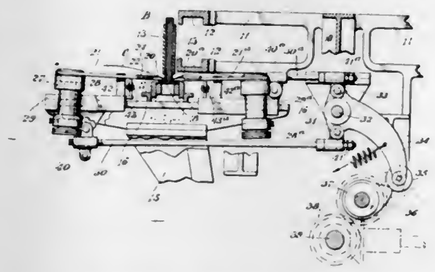


1. In a tie rod joint, two levers, openings in the ends of both levers, a metal shell inserted in the opening in one lever having a parti-spherical top portion with an opening therethrough, a bolt having a head with a parti-spherical surface extending through the opening, said head engaging the interior surface of the shell, the shaft of the bolt passing through the opening in the second lever, an opening in the face of the bolt head, a hollow cup adapted to fit therein, a spring within the cup bearing on the cup bottom and the base of the opening in the head, and a base member to engage the end of the cup supported by an end plate secured in the opening in the first lever.

2,083,719
ABRASIVE PRODUCTS AND METHOD OF MAKING THE SAME
Joseph N. Kuzmick, Passaic, and Jerome Kuzmick, Clifton, N. J., assignors to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
No Drawing. Application April 3, 1936, Serial No. 72,536
6 Claims. (Cl. 51—280)

1. An abrasive article consisting of abrasive granules bonded together with a synthetic resin and lead oxide, the lead oxide being intimately intermingled and reacted with the synthetic resin bond and being so combined therewith as to form toughened and hardened coatings over the abrasive granules.

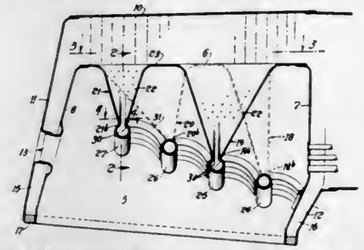
2,083,720
COVER BREAKING MECHANISM
Pierre Lariviere, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company, corporations of New York
Application October 3, 1935, Serial No. 43,301
8 Claims. (Cl. 11—3)



5. In combination with a book conveyor for advancing books edgewise in longitudinal procession, each with its back protruding and cover adhering thereto, a cover breaking mechanism operative upon the back and cover of each book while being so advanced, comprising a back pressing member traveling in contact with the back of the book, a straight breaker jaw at each side of the book path, a carriage for each jaw, said carriages being mounted for transverse shifting movements to close the jaw to the book path, each jaw having means mounting it movably upon the carriage to receive advance and return movements longitudinally of the book path, with means normally positioning it ahead of its squeezing position, and having means operative during and by reason of its advance movement to cause it to press wedgingly against the book for heavy squeezing pressure thereon, timed means for shifting the carriages toward the conveyor and book to close the jaws into contact with the book when in opposition thereto, and means for advancing the conveyor and by reason of such advance causing the jaws to advance longitudinally along the book path while in contact with the book, whereby the book is squeezed wedgingly during its travel and the cover is broken thereon.

2,083,721
LOCOMOTIVE FIREBOX
Bert E. Larson, Park Ridge, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application June 13, 1936, Serial No. 85,061
13 Claims. (Cl. 122—68)

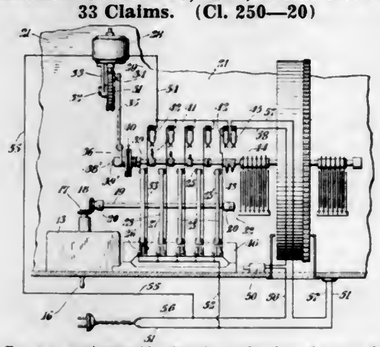
1. A locomotive firebox embodying therein a crown sheet and side sheets, a plurality of thermic syphons arranged in longitudinally spaced relation in the firebox and each including a flat hollow body having a top outlet disposed lengthwise of and opening through the crown sheet, each body having front and rear ends which converge downwardly to form a bottom inlet for the body, a transversely extending tubular conduit associated with each syphon body and opening at its ends through the side sheets and connected at a point between said side sheets with the bottom



inlet of the associated syphon body to provide a duplex inlet neck therefor.

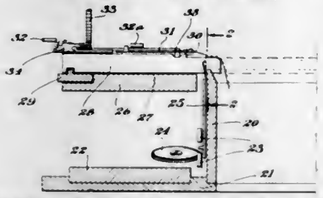
CARNEGIE LIBRARY OF ATLANT

2,083,722
AUTOMATIC RADIO TUNING DEVICE
Joseph La Via, Long Island, N. Y.
Application October 16, 1929, Serial No. 400,009
33 Claims. (Cl. 250—20)



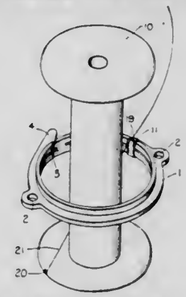
3. In an automatic tuning device for radio receivers, an electric motor for actuating the tuning elements of the receiver, selectively settable means for closing the motor circuit at predetermined times to tune the receiver to receive preselected stations and means automatically operable when a predetermined station has been tuned in for interrupting the motor circuit.

2,083,723
KNITTING MACHINE
Vincent Lombardi, Garden City, N. Y., assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y., a corporation of New York
Application November 8, 1934, Serial No. 752,028
6 Claims. (Cl. 66—25)



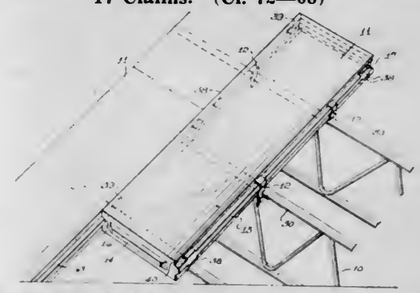
1. In a knitting machine, a cylinder, a plurality of knitting elements thereon, a dial having guiding channels, sinkers in said channels between which said knitting elements operate, a plurality of other knitting elements also within said channels and cooperating with the first-named knitting elements in knitting a fabric, and control elements for said other knitting elements also disposed within said guiding channels and selectively operable to control the operation of the latter knitting elements.

2,083,724
YARN AND FILAMENT TWISTING DEVICE
George Dewey Major, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application September 14, 1934, Serial No. 743,962
6 Claims. (Cl. 118—60)



1. In a device for imparting twist to a bundle of filaments the combination with means for feeding a bundle of filaments and means for taking up a bundle of filaments, of a ring having a slot therein and an annular groove extending partly around said ring, a traveller adapted to travel on said ring and cause a drag on the bundle of filaments and an annular rod in said groove crossing said slot and having a free end for threading said traveller.

2,083,725
PREFORMED SLAB BUILDING STRUCTURE
Fred A. Manske, Chicago, and Roy V. Yeager, Evanston, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1932, Serial No. 595,348
17 Claims. (Cl. 72—68)



7. A precast slab comprising a substantially flat, rectangular body portion, a tongue formed along a side of said slab, and integral pads at intervals along said tongue, said pads providing the only points of substantial engagement with adjoining slabs.

2,083,726
BLIND CONTROL
Frederick William Mason, Litherland, Liverpool, England
Application February 26, 1936, Serial No. 65,901
In Great Britain March 1, 1935
7 Claims. (Cl. 156—28)

2. For use in combination with a blind adapted to be rolled on to and off a rotatable roller, a brake mechanism operatively connected to the blind roller, means normally maintaining the brake operative to prevent rotation of the roller,

an electro-magnetic device, an operative connection between the electro-magnetic device and the brake, whereby the brake is released when the normal current condition of the electro-magnet is changed, a master control connected in the circuit of the electromagnet for changing the normal current condition thereof, a pulley connected to the blind roller, a cord reeved over



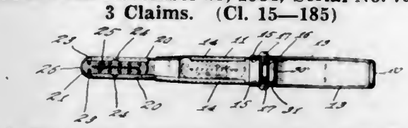
said pulley and adapted to be wound on to the pulley as the blind is unrolled and wound off the pulley as the blind is rolled, a switch in the circuit of the electro-magnet and a striker secured to said cord and arranged to trip the switch in its upward movement as the blind is unrolled, whereby the brake is applied after a predetermined length of the blind has been unrolled.

2,083,727
FLY SWATTER
Fay S. Matteson, Canoga Park, Calif.
Application July 16, 1935, Serial No. 31,574
2 Claims. (Cl. 43—137)



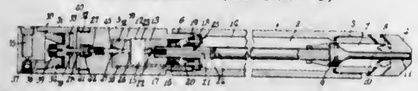
1. A swatting device having a handle, one end of said handle being bifurcated, a plurality of springs secured to said bifurcated handle, said springs being integrally connected to form a loop, an interlocking member joining the sides of said loop adjacent said springs, wire netting fitted within the area bounded by said loop and said interlocking member, and means to bind said netting and said loop.

2,083,728
FOLDING TOOTH BRUSH
Harry G. Mayer, Indianapolis, Ind.
Application November 23, 1934, Serial No. 754,417
3 Claims. (Cl. 15—185)



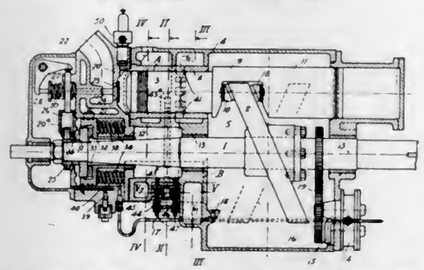
1. In a collapsible tooth brush, a handle-section of channel cross-section having inwardly directed longitudinally extending flanges along its edges, a brush having a back provided with outwardly projecting longitudinal flanges slidably received beneath the flanges on said handle-section, and a second handle-section of channel cross-section slidably receiving said first handle-section, said second handle-section having inwardly directed longitudinal flanges along its edges to retain said first handle-section, the flanges on said second handle-section being spaced apart a distance sufficient to permit said brush to be removed between them after having been slid from said first handle-section into said second handle-section.

2,083,729
MATERIAL-BREAKING APPARATUS
Louis A. Maxson, Claremont, N. H., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois
Application April 27, 1935, Serial No. 18,641
Renewed July 30, 1936
17 Claims. (Cl. 102—6)



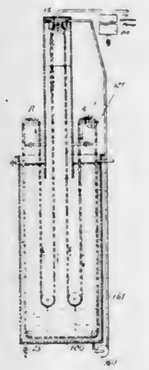
8. In combination, a container for a charge of highly compressed gaseous medium having a charge release valve and means for controlling the latter including an area effective when subjected to pressure to maintain the charge release valve closed and an area operative on venting of said first mentioned area to open the charge release valve, venting means for the first mentioned area, and a valve operative in different positions to close said vent passage and effect connection of said areas in communication with each other and to open said vent passage and interrupt communication between said areas.

2,083,730
INTERNAL COMBUSTION ENGINE
Anthony George Maldon Michell, Melbourne, Victoria, Australia
Application November 21, 1934, Serial No. 754,039
16 Claims. (Cl. 123—58)



7. In a two-stroke internal combustion engine having three or more cylinders operating in cyclical succession, the combination in connection with each cylinder of a cylinder head, a fuel-injector and an exhaust valve in said cylinder head, a piston reciprocating in said cylinder, a gas transfer port or ports formed in the wall of said cylinder and connecting it with a gas transfer port or ports in the wall of another of said cylinders, and air ports connected with the discharge of an air-pump, said transfer port or ports and said air ports being uncovered by said piston in the order stated during the second half of the outstroke of said piston.

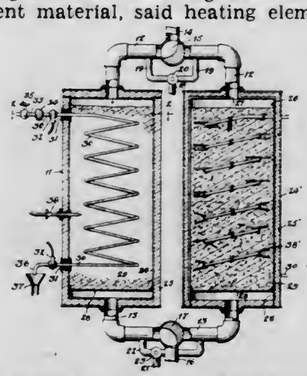
2,083,731
ABSORBENT ARTICLE-SATURATING APPARATUS
Stuart P. Miller, Englewood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application November 1, 1932, Serial No. 640,653
18 Claims. (Cl. 91—46)



1. In apparatus for saturating porous conduits, in combination, a container for saturant, a tank of a length sufficient to accommodate a maximum barometric column of saturant with an evacuated space thereabove, said tank being open at one end and closed at the other and having the open end immersed in the saturant in the container and thus liquid-sealed against the atmosphere, a vacuum pump communicating with the top of said tank, an endless conveyor provided with holders for the porous conduits arranged to pass through the saturant in said container, through the seal, up through the saturant in said tank, into and through the evacuated space thereabove, down through the saturant in said tank, and into and out of the saturant in said container, and means for spraying the porous conduits while in the evacuated space.

2,083,732
ADSORBENT APPARATUS
William E. Moore, Pittsburgh, and George L. Simpson, Coraopolis, Pa., assignors to Pittsburgh Research Corporation, Pittsburgh, Pa.
Original application November 22, 1932, Serial No. 643,940. Divided and this application March 3, 1936, Serial No. 66,948
21 Claims. (Cl. 183—4)

17. An adsorbent apparatus comprising a tower, an adsorbent material arranged in said tower, a heating element embedded in said adsorbent material, high heat conductive members radiating from said heating element into said adsorbent material, said heating element com-



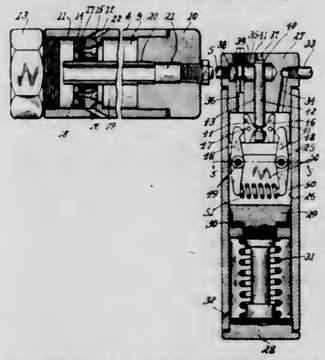
prising a hollow electrical resistance member, and means to pass a cooling medium through said resistance member.

2,083,733
ANCHORING MEANS
Warren Noble, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois
Application February 28, 1934, Serial No. 713,338
9 Claims. (Cl. 102—11)



1. An anchoring device comprising a cone, an expansible anchor ring, and means including a fluid actuated piston for forcing said ring towards the base of said cone while the latter remains relatively stationary to expand the ring into anchoring position.

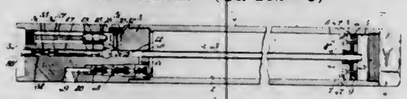
2,083,734
AIR-SHOOTING APPARATUS
Warren Noble, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois
Application June 15, 1934, Serial No. 730,829
24 Claims. (Cl. 102—5)



1. In a material breaking apparatus a casing having a storage chamber and a control chamber

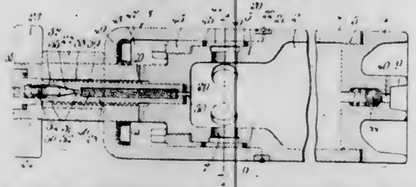
to be charged with a gaseous medium stored at high pressure, means in the casing to suddenly release the charge to a point of use by the venting of the control chamber, and a pressure control device for effecting quick venting of such control chamber comprising a vent valve and snap action means for quickly opening said vent valve having pressure responsive controlling means.

2,083,735
BLASTING CARTRIDGE
Warren Noble, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois
Application April 27, 1935, Serial No. 18,635
26 Claims. (Cl. 102—6)



2. In a pre-charged blasting cartridge, a container for receiving a charge of high pressure gas, discharge means for the blasting charge, and self-contained means embodied in the cartridge and operated by the pressure in the container for effecting release of said discharge means, and having embodied therein delay means whereby release of the blasting charge, when the release means has been set into action, occurs after a definite lapse of time.

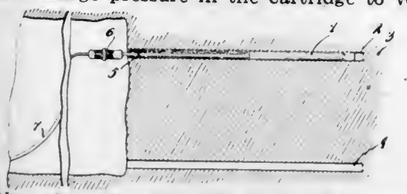
2,083,736
BLASTING CARTRIDGE
Warren Noble, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois
Application April 27, 1935, Serial No. 18,636
24 Claims. (Cl. 102—6)



1. In a pre-charged blasting cartridge, a container for receiving a charge of high pressure gas, discharge means for the blasting charge at the inner end of the container, fluid pressure operated means at the inner end of the container and associated with said discharge means adapted to be actuated to effect release of the discharge means, and means operable after the lapse of a definite time interval from the time it is rendered active to feed fluid pressure to the fluid pressure means.

2,083,737
BLASTING METHOD AND APPARATUS
Warren Noble, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois
Application June 1, 1935, Serial No. 24,570
18 Claims. (Cl. 102—5)

1. In combination, a blasting cartridge for containing a charge of gaseous medium at a blasting pressure, charge release means including a release valve and means for controlling the same including a control chamber through which said cartridge is charged and reduction of the pressure in which to a predetermined amount below cartridge pressure effects charge release, and means for connecting said chamber with a source of charging pressure including a device operative automatically upon attainment of a predetermined charge pressure in the cartridge to vent

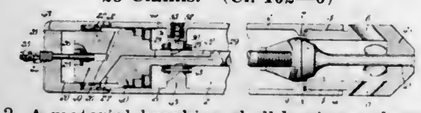


to the atmosphere the charge in the control chamber by disconnecting the cartridge from its source of supply, whereby the release valve of the cartridge will be actuated to effect release of the blasting charge.

2,083,738
PROCESS FOR PRESERVING EDIBLE MATERIAL
Johan Olsen Nygaard, Oslo, Norway
No Drawing. Application October 12, 1934, Serial No. 748,137. In Norway September 24, 1931
6 Claims. (Cl. 99—158)

1. A process for the preservation and storage on whaling vessels and the like of bones and comparatively fat-poor parts, such as flesh and internal organs of sea mammals which comprises dehydrating the raw material by heating with train oil under reduced pressure and to a temperature not exceeding 90° C., and subsequently separating excess oil from the material.

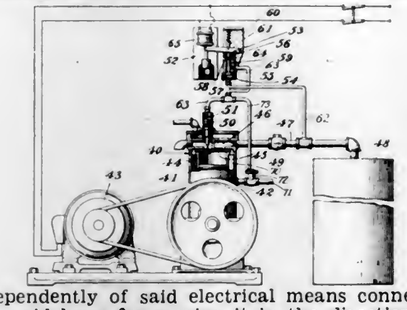
2,083,739
MATERIAL BREAKING METHOD AND APPARATUS
Charles F. Osgood, Claremont, N. H., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois
Application April 27, 1935, Serial No. 18,578
25 Claims. (Cl. 102—6)



2. A material-breaking shell having a chamber for receiving a charge at material-breaking pressure, a valve controlling the discharge of pressure from said shell chamber, means for supplying pressure to said chamber, means automatically operative upon the attainment of a predetermined pressure within the shell chamber for effecting automatic opening of said valve, and means automatically operative when said valve is in open position for cutting off the supply of pressure to said shell chamber.

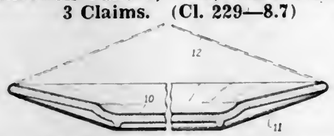
2,083,740
UNLOADER FOR COMPRESSORS
Edward M. Paullin, Jr., Buffalo, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a corporation of Virginia
Application October 9, 1934, Serial No. 747,529
4 Claims. (Cl. 230—31)

1. In a compressor unloading mechanism, the combination, of a compressor, an electric motor for operating the compressor, a valve for controlling the loading and unloading of the compressor, a pivoted lever connected to said valve for positively operating said valve, electrical means connected in circuit with said motor for moving said lever in one direction, means in-



dependently of said electrical means connected to said lever for moving it in the direction reversely to the direction of movement of the lever by said electrical means.

2,083,741
ENVELOPE FOR DISHES
Susan Clare Pearson, New York, N. Y.
Application June 1, 1936, Serial No. 82,690
3 Claims. (Cl. 229—8.7)



1. A new article of manufacture comprising an envelope for a dish having a central portion preformed to substantially fit the concavity of the dish and provided with a pleated projection adapted to closely hug the underside of the dish and adapted to be used in its reverse position to cover the preformed portion.

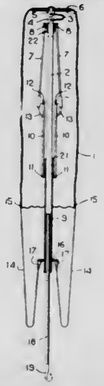
2,083,742
BUMPER GUARD
Louis S. Poncher and Jules B. Newman, Chicago, Ill.
Application September 8, 1936, Serial No. 99,695
13 Claims. (Cl. 293—55)



10. A device of the character described comprising a bracket constructed and arranged to be mounted on a bumper, an elongated guard extending transversely of said bumper, interengaging means on said bracket and said guard and arranged to enable disengagement by movement of said guard, and releasable means cooperating with said guard and said bracket for releasably locking said guard against disengagement.

2,083,743
PARACHUTE
John H. Poole, Brockton, Mass., assignor to George D. Witherell, Abington, Mass., trustee
Application March 7, 1936, Serial No. 67,619
1 Claim. (Cl. 244—149)

A parachute comprising a parachute canopy and a parachute-opening device comprising a rod having a collar fixed thereto at its upper end, parachute-opening arms pivoted to the collar, said arms having considerably less length than the radius of the parachute cover and being unattached thereto, an elongated sleeve through which the rod telescopes, braces pivoted at their inner ends to the sleeve and at their outer ends to said arms, flexible guy connections secured at their inner ends to the lower end of the sleeve and at their outer ends to the periphery of the



canopy, a flexible cord connecting the upper end of the rod with the center of the parachute cover, and a cord connected to the lower end of the rod and having at its end a fastening device for attachment to the belt or harness of the parachute jumper, the upper end of the sleeve engaging the collar when the parachute-opening device is expanded whereby the weight of the aviator is transmitted to the guy connections through the rod and the sleeve.

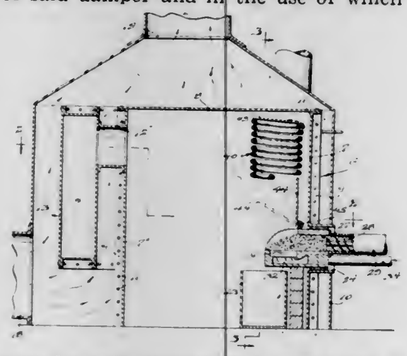
2,083,744
MANUFACTURE OF SHEETED CELLULOSE FIBER ADAPTED FOR CONVERSION INTO CELLULOSE DERIVATIVES
George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application February 10, 1936, Serial No. 63,272
12 Claims. (Cl. 260—10)

6. A process which comprises wet-felting into a sheet preliberated cellulose fibers at an average fiber length substantially as liberated, dewatering the sheet to dryness while maintaining its fibers in substantially uncemented relationship so as to produce a dried sheet having a compactness ranging from about 20 to 50, compacting the dried sheet to a compactness of about 70 to 150, comminuting the dry-compacted sheet into chips, and converting the chips into cellulose derivatives.

2,083,745
FURNACE
Ivan Risdon, Seattle, Wash.
Application June 27, 1933, Serial No. 677,882
9 Claims. (Cl. 126—101)

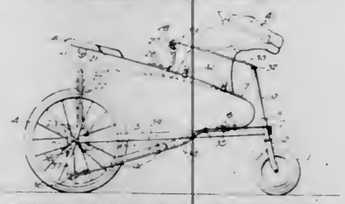
8. In a furnace provided with a chimney flue, the combination of a combustion chamber having an outlet therefrom leading directly to the flue, an extended chamber for the radiation of heat connecting with the combustion chamber and leading indirectly to the flue, a water heater supported in the combustion chamber to lie in the normal path of travel of the gases of combustion

from the point of ignition thereof either through the radiation chamber and indirectly to the flue or directly to the flue, a damper for said direct outlet to regulate the travel of the gases of combustion for effecting passage of the same through the direct outlet or indirectly through the radiation chamber, and means operating independently of said damper and in the use of which the



damper for said direct outlet is adapted to be closed for restricting the furnace to a radiation plant only, said means being movable from a normally inactive position out of the path of travel of the gases into an intervening position as between the water heater and the point of ignition of the gases to constitute a baffle for deflecting the gases from the water heater.

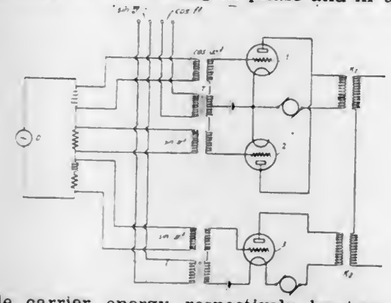
2,083,746
VEHICLE
John C. Rumsey, Lawrence, Kans., assignor to The Rumsey Junior Vehicle Company, Lawrence, Kans., a corporation of Kansas
Application October 28, 1935, Serial No. 47,104
5 Claims. (Cl. 208—42)



1. A vehicle of the character described comprising a frame provided with a propelling wheel, a supporting spring carrying a seat and provided with an operative driving connection to said propelling wheel, one or more counteracting springs carried by said frame in position for treadaction by the rider, and means connecting said counteracting springs for cooperative driving action to said propelling wheel.

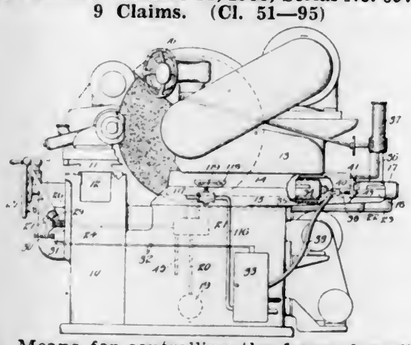
2,083,747
SIGNALING SYSTEM
Wilhelm Runge, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 25, 1931, Serial No. 532,971. Renewed April 8, 1936. In Germany April 28, 1930
14 Claims. (Cl. 179—171)

1. The method of producing a predetermined phase difference between several portions of energy resulting from the demodulation of a carrier modulated at signal frequency which includes the steps of, modulating in phase and in ampli-



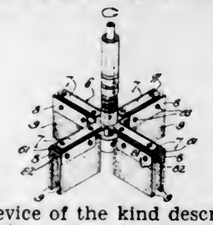
tude carrier energy respectively by two components of different phase of the signal energy and combining the resultant modulated energy.

2,083,748
MACHINE TOOL CARRIAGE CONTROL
Amos P. Steiner, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa., a corporation of Pennsylvania
Application November 11, 1933, Serial No. 697,653
9 Claims. (Cl. 51—95)



1. Means for controlling the forward position of a grinding wheel base comprising a nozzle adapted to be secured in fixed position on the machine, means for supplying fluid under constant pressure to said nozzle, means on said wheel base movable toward and from said nozzle, and means controlled by the restriction of the flow of fluid from said nozzle due to the nearness of approach of the element on the wheel base for controlling the reversing of the wheel base.

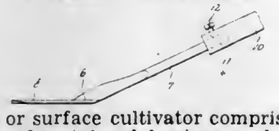
2,083,749
CLEANER ELEMENT FOR CLEANING MACHINES
Rowland P. Sword, Philadelphia, Pa., assignor to Sword-Atherton Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 27, 1935, Serial No. 23,634
2 Claims. (Cl. 51—195)



1. In a device of the kind described, the combination with a rotor including a plurality of

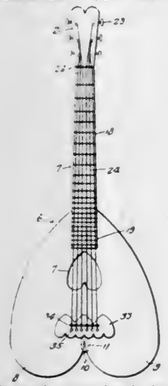
radial arms, a holder carried by each arm, a filler plate within the holder, a moulding strip in the holder beneath the filler plate and of less width than the filler plate thereby forming recesses between said moulding strip and the sides of the holder, cleaning elements consisting of flat strips of abrasive rubber inserted in the recesses, and means projected through the holder, cleaning elements and moulding strip for fastening said cleaning elements in place.

2,083,750
SURFACE CULTIVATOR BLADE
Fritz Fred Tennigkeit, Burlington, Colo.
Application June 2, 1936, Serial No. 83,110
1 Claim. (Cl. 97—207)



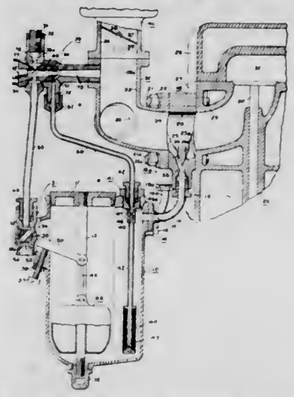
A blade or surface cultivator comprising a single length of metal rod having a relatively flat end portion and a relatively round end portion, said round end portion constituting a shank, and said rod at a point between said ends being provided with a twist whereby the round end portion of the rod presents an upwardly forwardly extending shank and the flat portion of the rod presents a relatively flat blade having its median longitudinal dimension disposed at an acute angle with relation to the corresponding dimension of the shank end portion of the rod, and the blade being also disposed obliquely with respect to the plane of the shank end of the rod, and said blade being also substantially wedge-shaped in cross section to present at one longitudinal edge thereof a cutting edge extending for substantially the entire length of the blade.

2,083,751
GUITAR
Loren E. Thompson, Wellington, Kans.
Application June 4, 1935, Serial No. 24,916
4 Claims. (Cl. 84—267)



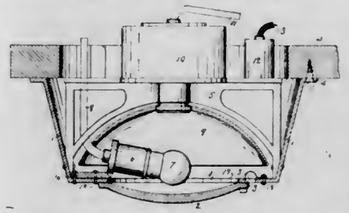
1. In a stringed musical instrument of the class described, a hollow body comprising a flat bottom heart-shaped in outline, a companion flat top correspondingly proportioned and shaped and disposed in superposed parallelism above said bottom, an intervening rim located between the marginal portions of said top and bottom and shaped to correspond to the heart-shaped configuration thereof, the portions forming said rim being separated at their rear ends, a block interposed and fastened between said top and bottom and having a V-shaped notch, the rear ends of said rim being positioned in said V-shaped notch, and an external retention wedge located between said rear ends and projecting into said notch to maintain said ends therein.

2,083,752
FUEL RECLAIMING SYSTEM FOR COMBUSTION ENGINES
Homer A. Trussell, Detroit, Mich.
Application February 23, 1934, Serial No. 712,482
12 Claims. (Cl. 261—72)



1. In a fuel reclaimer, means for lifting liquid fuel in metered quantities against induction suction, means for vaporizing said fuel thus lifted with air also drawn against induction suction, and means for compounding said vaporized fuel with an auxiliary air blast.

2,083,753
MOUNTING CASE FOR A RADIO LOUDSPEAKER AND AN ELECTRIC LAMP
Alonzo R. Turner, Plymouth, Ind.
Application May 23, 1934, Serial No. 727,069
2 Claims. (Cl. 181—31)

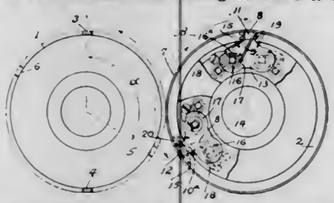


1. In a dome mounting case, composed of a single chamber, and designed for the installation of vehicular utilities comprising a loud speaker and an electric lamp, the combination of, lateral walls approximately vertical; means for attaching the walls to a supporting ceiling; a bottom affixed to the walls; an annular series of holes near the outer edge of the bottom; screens fastened to the bottom and covering the holes; a lens removably set in the bottom; and a bracket affixed to the bottom and within the chamber.

2,083,754
ROTARY PRINTING MACHINE
George Turrall, London, England, assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application October 31, 1934, Serial No. 750,793
In Great Britain November 29, 1933
10 Claims. (Cl. 101—249)

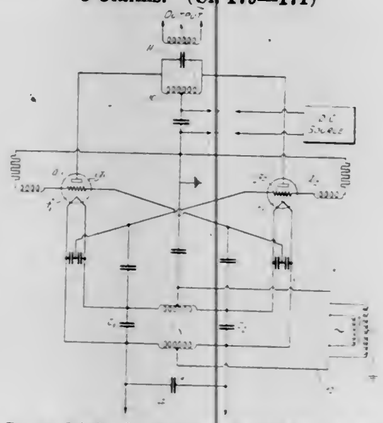
10. A reversible printing cylinder, two staggered sets of margin bars on the cylinder, means

so mounting the bars that the angle of stagger is reversible to correspond to reverse rotation of the cylinder, a reversible impression cylinder, blankets around the impression cylinder and having their ends received within two coextensive longitudinal recesses which are formed in the cylinder and are spaced apart through an angle equal to the angle of stagger of the margin bars, filling pieces in the recesses and having such length as to leave open at opposite ends of the recesses a length of recess equal to the length of a margin bar, means mounting the filling pieces for movement in their recesses whereby the open parts of the recesses can be reversed to correspond to reversal of the stagger of the margin bars, two blanket straining devices associated



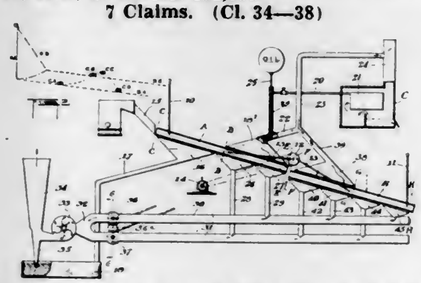
with each recess and located on opposite sides thereof, a clutch device interconnecting the two cylinders and having two clutching positions, one providing register between the bars and the open parts of the recesses in one position thereof and the other position providing register between the reversed bars and the reversed open parts of the recesses, a second printing cylinder and a second impression cylinder operating on a web which is also operated on by the first printing cylinder and impression cylinder, and a second clutch device interconnecting the first and second cylinders and having two clutching positions one of which provides register between the first and second cylinders when the web is led in one direction and the other position providing register when the web is led in the other direction.

2,083,755
HIGH FREQUENCY AMPLIFIER AND FREQUENCY MULTIPLIER
Rinfe Hendrik van Minnen and Pierre Janne Henri Alphonse Nordlohne, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware
Application May 15, 1934, Serial No. 725,800. In Germany May 16, 1933
3 Claims. (Cl. 179—171)



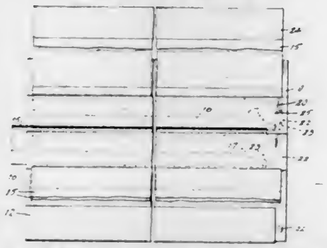
1. In a high frequency amplifier, a pair of thermionic tubes each having an anode, a filament, and a control grid, a tuned impedance connected between the anodes of said tubes, a self-biasing circuit connected between the grid and cathode of each tube, a connection between the filament of each tube and the grid of the other tube, parallel reactances connecting the terminals of the filament of one of said tubes to the terminals of the filament of the other of said tubes, a circuit connected to said reactances for applying heating potentials for said filaments to the electrical centers of said parallel reactances, and a circuit connected to said reactances for applying oscillations to be amplified to the terminals of said parallel reactances.

2,083,756
APPARATUS FOR DRYING AND TREATING WET GRANULAR MATERIALS
Gustave Andre Vissac, Calgary, Alberta, Canada
Original application August 11, 1936, Serial No. 95,419. Divided and this application January 21, 1937, Serial No. 121,698
7 Claims. (Cl. 34—38)



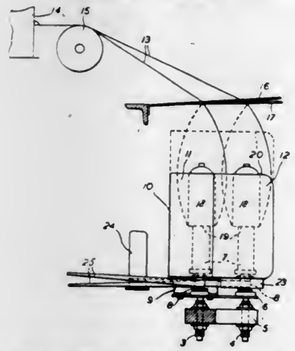
7. Apparatus for drying wet granular material comprising a plurality of shaking screens for receiving and agitating the material, a plurality of hoods disposed above said screens for receiving and projecting a heating and drying medium onto the material, a plurality of hoods disposed below the screens underlying the upper hoods, and means connected with said lower hoods for inducing pulsating air currents to draw the heating and drying medium through the agitated bed of material as it moves along the screens.

2,083,757
CARD FILING SYSTEM
Max Vogel, Frankfort-on-the-Main, Germany
Application July 17, 1935, Serial No. 31,772. In Great Britain February 26, 1935
5 Claims. (Cl. 129—16)



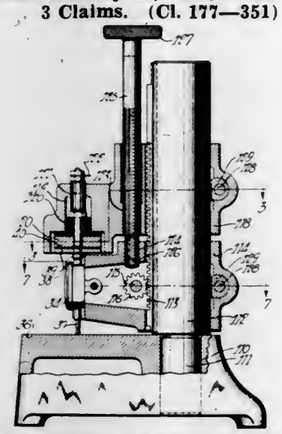
1. In a card filing system, a series of interlocking card carrying strips, each comprising an intermediate strip portion and longitudinal flanges extending downwardly and upwardly from its upper and lower ends at opposite sides of and in spaced relation to said strip portion, abutment means on said flanges at their inner sides and spaced from said strip portion, the upper flange of one strip adapted to be longitudinally engaged with the lower flange of an adjacent strip with said abutment means engaged with each other to interlock them against transverse disengagement.

2,083,758
CAP-SPINNING MACHINE
William Ivan Taylor and Alfred Herbert Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application September 18, 1935, Serial No. 41,060
In Great Britain September 24, 1934
7 Claims. (Cl. 118—11)



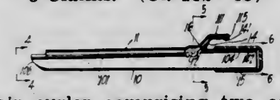
1. Cap spinning apparatus which comprises cap spinning devices disposed in closely adjacent rows, means for traversing the bobbins of said devices up and down, cowls arranged to provide a guard between the exposed portions of adjacent bobbins and between the threads proceeding to adjacent bobbins, and means for traversing said cowls up and down in time with the bobbins.

2,083,759
MECHANISM FOR SIZING
John C. Temple, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application January 16, 1931, Serial No. 509,161
3 Claims. (Cl. 177—351)



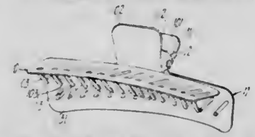
1. In a precision measuring comparator, the combination of a pedestal having a work supporting face, a column uprising from one side of the pedestal and means carried by the column for indicating variations in the size of a work piece mounted on said pedestal relative to a predetermined standard including a first bracket adjustably mounted on the column, an indicator dial supported on the bracket and having a plunger arranged perpendicularly to said pedestal face, said plunger projecting above said dial, a condenser plate integrally attached to the upper end of said plunger, a second bracket carried by the column and supporting a condenser plate in opposition to the first plate, means to adjust the second bracket relative to the first bracket to adjust the capacity of the condenser plates and thereby tune a connected electrical oscillating circuit into resonance with a second electrical oscillating circuit, whereby upon insertion of a work piece of incorrect size between said plunger and said face, said plunger will simultaneously move said indicator dial and detune said first circuit out of resonance with said second circuit and cause simultaneous indication that the work piece is of incorrect size.

2,083,760
HAIR CURLER
Paul Tresenberg, Springfield Gardens, N. Y.
Application December 18, 1935, Serial No. 54,981
3 Claims. (Cl. 132—33)



1. A hair curler comprising two cooperating pivoted hollow rods adapted to be brought together into intimate relation with a strand of hair having its ends caught therebetween and the curler adapted to be independently turned to wind the hair therearound to form a removable curl; at least one of said rods being longitudinally tapered towards its hairgripping end; automatic means normally pressing the rods against each other; means to brace them apart from each other; a longitudinal circumferential groove in one of said rods adapted to receive therein the other rod so that the rods thus cooperatively provide a substantially elongated tapering cylindrical surface for said hair winding; a longitudinal slot cut in the wall of said grooved rod, opposite to the longitudinal groove; a relatively close legged hairpin; said pin adapted to be inserted in said slot to thereupon engage with one of its legs the inner wall of the grooved rod, and with its other leg, the loop of wound hair prior to starting the withdrawing of said device from said loop; the tapering of the curler facilitating said separation of the device from said curl.

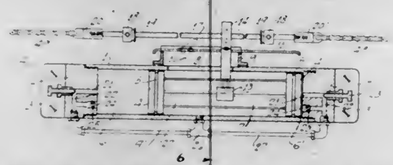
2,083,761
HAIR WAVING DEVICE
Paul Tresenberg, Springfield Gardens, N. Y.
Application May 9, 1936, Serial No. 78,881
2 Claims. (Cl. 132—31)



1. A clip for holding hair waves in place comprising, a pair of cooperating jaws pivotally hinged together and resiliently normally automatically directed toward one another, each of said jaws being in the form of an elongated arcuately shaped plate and each having a plurality of spaced teeth stamped from it bent away

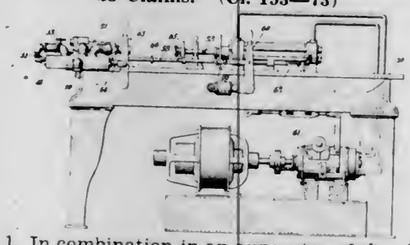
from the body towards the front edge, said teeth being curved longitudinally thereof circumferentially in relation with the hinged pivot connection and also being disposed to form oblique angles between their longitudinal sides and the lengthwise inner side of their respective plates, the teeth of one plate being non-parallel longitudinally with the teeth of the other plate to cooperatively diagonally lappingly engage each other, and to relatively diagonally underlie the contacted strands of hair to lift same upwardly between the jaws when the jaws move toward one another.

2,083,762
ELEVATOR-DOOR CHECK
Herman C. Waldman, St. Louis, Mo.
Application January 31, 1936, Serial No. 61,690
16 Claims. (Cl. 16—84)



1. In a door-check, in combination, a pair of opposed single-acting cylinders for containing a working fluid, rigidly joined opposed pistons movable in the respective cylinders, means for regulably conducting the working fluid from one cylinder to the other, and means including movable members shiftable responsive to door-movement for effecting reciprocation of the pistons.

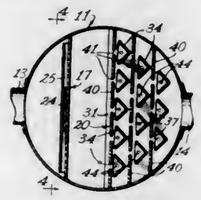
2,083,763
METHOD OF AND APPARATUS FOR SHAPING METAL
Marshall H. Ward, Brooklyn, N. Y., assignor, by mesne assignments, to Bridgeport Thermostat Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application August 12, 1929, Serial No. 385,451
23 Claims. (Cl. 153—73)



1. In combination in an apparatus of the character described for corrugating metal blanks, a movable head, a stationary head having a conduit to permit the passage of fluid under pressure therethrough, fluid pressure means for operating said movable head, control means for admitting fluid under pressure into the blank through the stationary head and causing the operation of the movable head before maximum pressure is reached within the blank.

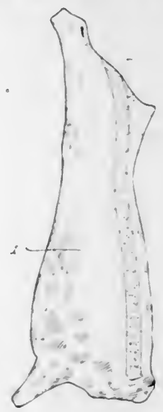
20. The method of corrugating metal tubing and the like, which comprises first compressing a tube axially to a predetermined extent, then automatically subjecting the tube to internal pressure of proper value to displace outwardly and radially of the tube the metal rendered available by the axial compression of the tube, and then continuing the axial compression of the tube.

2,083,764
SCRUBBER
Edwin C. Weisgerber, Los Angeles, Calif., assignor to Master Separator and Valve Company, a corporation of California
Application November 13, 1935, Serial No. 49,462
15 Claims. (Cl. 183—110)



1. A separator of the class described embodying: a shell having a fluid inlet opening and a gas outlet opening; a deflecting plate mounted in said shell opposite said inlet opening; a separating chamber in said shell opposite said outlet opening; a plurality of upright screen sections in said separating chamber; means for jetting fluid through the mid portion of said screen sections to separate entrained liquid therefrom; and angular deflecting means behind said screen sections for directing said fluid back through the edge portions of said screen sections.

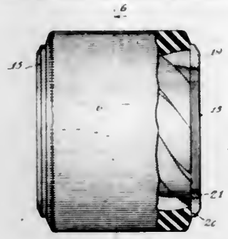
2,083,765
MEAT BRANDING
Beverly E. Williams, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application January 31, 1936, Serial No. 61,800
5 Claims. (Cl. 216—62)



4. The method of branding edible carcasses which comprises removably affixing to the surface thereof, by the gelatinous serum naturally present on the surface of the meat, a strip of regenerated cellulose bearing identifying marks.

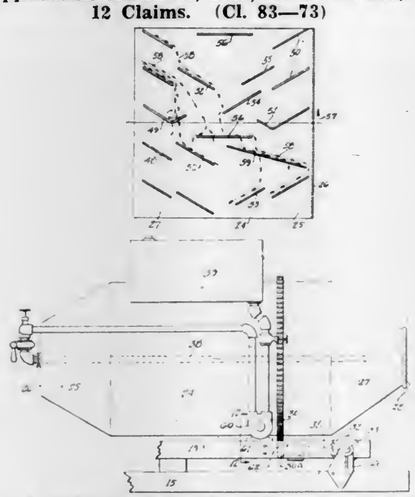
2,083,766
TIRE AND RIM CONSTRUCTION
Edwin E. Wittkopp, Chicago, Ill.
Application July 1, 1935, Serial No. 29,285
17 Claims. (Cl. 152—6)

1. In a device of the class described, a core having a series of spiral dovetail recesses in its periphery, a resilient shell for said core having spiral dovetail portions fitting into said recesses



by a spiral movement, and means for locking said shell on said core.

2,083,767
APPARATUS FOR MIXING CONCRETE
Porter W. Yett, Portland, Oreg.
Application March 13, 1929, Serial No. 346,570
12 Claims. (Cl. 83—73)

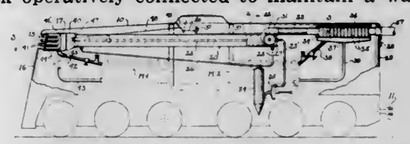


1. A mixing cylinder having one end of same closed and the other end open for charging purposes, a plurality of charging flights within said cylinder adjacent to said open end adapted to draw materials into said cylinder, a plurality of first mixing flights sloping in the same direction as do said charging flights, a plurality of second mixing flights sloping in the opposite direction to said first mixing flights, tumbling flights between said first and second mixing flights, and return flights at the closed end of said cylinder sloping in the direction of said second mixing flights.

8. A concrete mixer, means whereby the mixer may be mounted on a motor truck for operation by the power thereof, piping for supplying water to the mixer, a pump arranged for forcing water through said piping, and means for operating the pump by the power of the truck.

2,083,768
CONDITIONED AIR SUPPLY SYSTEM FOR TRAINS
David F. Zook, Evanston, Ill.
Application February 13, 1936, Serial No. 63,696
5 Claims. (Cl. 257—7)

2. In an air conditioning system for trains having a plurality of cars and a power unit, a single air intake for the entire train's air supply, said air intake located at the head end of locomotive or power unit, a head end air intake chamber into which said intake discharges, a series of snow melter pipes in the path of the incoming air, said intake chamber having an opening in its rear wall, an air cleaning device fed from said opening, said air cleaning device comprising an elongated chamber having a water spray pipe disposed longitudinally therein, a motor driven pump and supply tank operatively connected to maintain a water



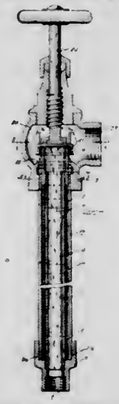
jet spray from said pipe within said air cleaner duct or chamber, said device delivering air at its rear end into a motor driven blower, heating and cooling units and a train pipe connected in series with said supercharger so that cleaned air is forced therethrough by said blower, said train pipe extending the full length of train and supplying conditioned air to each of the various cars in said train.

2,083,769
CIGAR TIP OR MOUTHPIECE
Arthur B. Adair, Kenilworth, Ill.
Application July 8, 1936, Serial No. 89,542
5 Claims. (Cl. 131—52)



1. A mouthpiece for a cigar, comprising a thimble-like cap of thin, flexible material, the end wall of the cap having a central smoke outlet and being dished inwardly to produce a trap in the form of a shallow frustum of a cone of large angle around the smoke outlet to prevent small quantities of fluid in the cap from escaping through the smoke outlet even when the cap is held open end up, and stop means in the cap to limit the entrance of the cigar into the cap.

2,083,770
STEAM TRAP
John W. Barton, Cleveland, Ohio
Application November 24, 1936, Serial No. 112,536
1 Claim. (Cl. 236—60)



In a steam trap, the combination with an expansion tube having a tubular valve seat at its end, of an integral valve comprising a disc extending across the seat, a rim depending outside

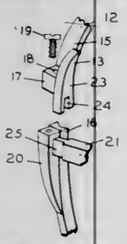
of and around the end of the seat, and an annular flange projecting inwardly from the rim, toward the side wall of the tubular seat, both said rim and flange being out of contact with said valve seat in all operative positions.

2,083,771
PROPELLER UNIT
Louis P. Baumann and Lesley L. Walker, Houston, Tex.
Application November 5, 1934, Serial No. 751,565
1 Claim. (Cl. 115—17)



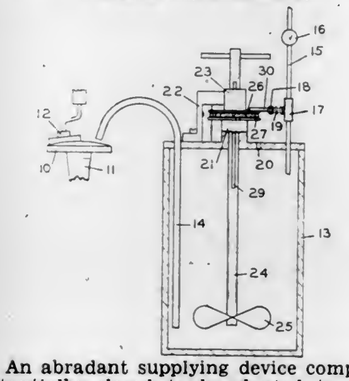
A propeller unit comprising a housing whose lower end is formed into an approximately cylindrical gear case which has a blunt trailing end, the housing extending upwardly from the gear case and having attaching means at its upper end for attaching the same to a driving means, said upwardly extending portion being relatively thin and having a forwardly directed sharp cutting edge and having substantially flat sides which radiate rearwardly from said edge and are offset inwardly at approximately right angles to the longitudinal central line of the housing thus reducing the transverse diameter of the upwardly extended portion of the housing, said reduced portion being extended rearwardly with its sides approximately parallel to each other and to said central line of the housing, the trailing or rear edge of said reduced portion being blunt and arranged at substantially right angles to said central line, the rear end of the gear case being also offset inwardly at approximately right angles to the line of movement of the housing thus reducing the transverse diameter of the gear case, the points of reduction of the upwardly extended portion of the housing being in approximate alignment with the point of reduction of the gear case, a depending fin like stabilizer arranged in a common plane with said central line and being approximately triangular in cross-sectional contour and projecting rearwardly beyond the blunt edge of the housing.

2,083,772
OPHTHALMIC MOUNTING
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 1, 1936, Serial No. 61,974
5 Claims. (Cl. 88—42)



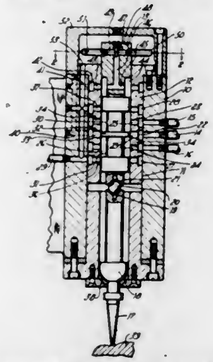
1. In an ophthalmic mounting, the combination of a split lens rim having adjacent ends, a bridge secured to said rim, said bridge having a portion extending beyond one end of the rim, a pad arm carried by the other end of said rim, the projecting portion of said bridge having a cutaway part against which said arm is positioned.

2,083,773
ABRADANT SUPPLYING DEVICE
Kenneth C. Burroughs, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 28, 1935, Serial No. 8,673
7 Claims. (Cl. 51—263)



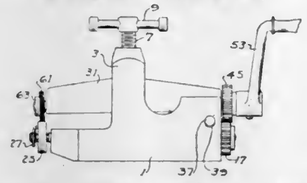
1. An abradant supplying device comprising a substantially closed tank adapted to hold an abradant suspended in a fluid, an abradant carrying tube, one end of said tube extending into said tank and terminating near the bottom thereof, the other end of said tube being outside of said tank and being so formed that no abradant can settle therein and means for selectively introducing compressed air into said tank to increase the pressure therein.

2,083,774
SENSITIVE VALVE MECHANISM
John C. Campbell, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application May 13, 1935, Serial No. 21,179
1 Claim. (Cl. 137—153)



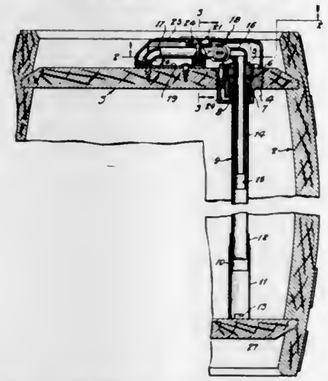
In a valve mechanism the combination of a housing having a bore formed therein, a sleeve fixed in said bore having a plurality of annular grooves formed in the periphery thereof, channels formed in the housing and intersecting the respective grooves, one of said channels being adapted to be connected to a source of pressure, a valve plunger reciprocably mounted in said sleeve and having portions for interconnecting said grooves and varying the flow from said pressure source, a central bore formed in the plunger, a reaction turbine connected to the end of the plunger and interconnected for supply from said central bore, an annular groove formed in said plunger, channel connections between said groove and central bore, and interdrilled channels in the housing interconnecting the pressure groove with said annular groove whereby said turbine will be continuously supplied with fluid pressure regardless of the axial position of said plunger.

2,083,775
METAL EXPANDING MACHINE
James J. Carroll, Detroit, Mich.
Application October 23, 1936, Serial No. 107,170
9 Claims. (Cl. 80—5)



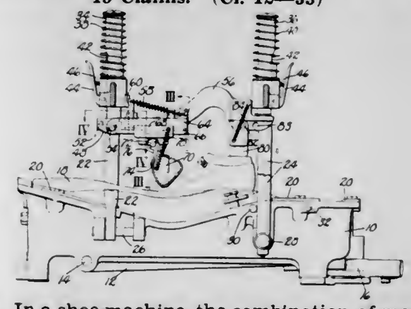
1. A metal rolling machine comprising a countershaft housing, bearing means in said housing, a countershaft journaled in said bearing means and extending through said housing, a drive shaft housing, bearing means in said drive shaft housing, a drive shaft journalled in said bearing means and extending through said drive shaft housing, means for pivotally journalling one end of the drive shaft housing to one end of the countershaft housing, mechanical power driving means interconnected between the ends of said shafts projecting from the pivotally joined ends of said housings, metal rolling rollers disposed on the opposite ends of said shafts for rolling metal therebetween, and stop limit means for limiting the spaced relation of said rollers to produce a predetermined pressure upon metal rolled therebetween.

2,083,776
LIQUID DISPENSING APPARATUS
Thomas Graham Ferguson, Windsor, Ontario, Canada, assignor to Otis L. Smith, Thomas G. Ferguson and A. J. Stock, a limited partnership doing business as The Sani-Draft Pump Company, Detroit, Mich.
Application May 2, 1934, Serial No. 723,434
22 Claims. (Cl. 225—1)



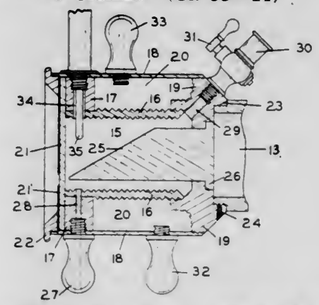
1. Liquid containing and dispensing apparatus comprising draft means insertable through the top of the container, a draft arm and dispensing tube vertically slidable and rotatable relative to said draft means, a casing adapted to be lowered and locked in position over the draft arm when said draft arm is lowered adjacent the top of the container, and locking means cooperating with said casing and movable to lock said casing in position, said casing including a surface for receiving a revenue stamp, said surface being positioned above said locking means whereby said stamp must be punctured before the locking means is actuated to release the casing.

2,083,777
MACHINE FOR APPLYING PRESSURE TO SHOE BOTTOMS
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 17, 1935, Serial No. 40,960
15 Claims. (Cl. 12—33)



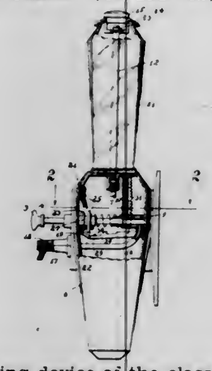
1. In a shoe machine, the combination of means for operating on a shoe bottom, and a work-supporting member, said member being arranged for swinging movement relatively to said operating means and having work-engaging surfaces thereon adapted to be located alternatively each to the exclusion of the other in different positions heightwise of the work by said swinging movement.

2,083,778
REFRACTOMETER
John W. Forrest, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application January 18, 1935, Serial No. 2,386
6 Claims. (Cl. 88—14)



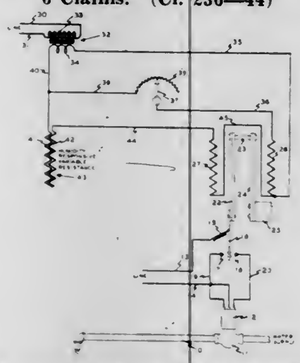
1. A refractometer comprising a fluid chamber, a window closing one end of said chamber, an annular ring secured at the other end of said chamber with its central opening substantially concentric with said chamber, a dipping prism secured in and closing said opening and extending into said chamber, a threaded portion on said ring concentric with said opening, a telescope threaded in said portion, and inlet and outlet means for admitting and removing fluid from said chamber.

2,083,779
DISPENSING MACHINE
Eugene E. Frary, Los Angeles, Calif., assignor, by mesne assignments, to George Marsden, Los Angeles, Calif.
Application August 12, 1933, Serial No. 684,825
1 Claim. (Cl. 194—82)



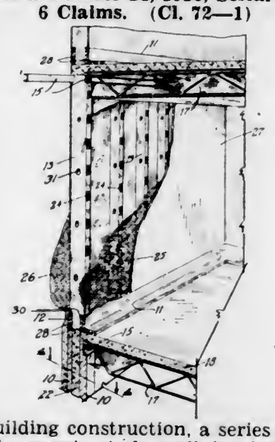
In a dispensing device of the class described, a plunger member mounted for axial movements and having a laterally projecting shouldered portion, an operating member also mounted for axial movements but parallel to the axis of the plunger member and also having a laterally projecting shouldered portion in a position to normally pass the first-named shouldered portion when the operating member is moved axially, one of the shouldered portions being in form of double flanges spaced so that a control member will readily drop in but become wedged at one edge when tilted and the other shouldered portion being disposed to engage the opposite edge of the control member for tilting it when the operating member is actuated, and a catch having one contact member to become engaged with the shouldered portion of the plunger member and having another contact member to release that shouldered portion whenever this other contact member is in contact with the shouldered portion of the operating member in its inoperative position.

2,083,780
CONTROL SYSTEM
Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 24, 1934, Serial No. 745,374
6 Claims. (Cl. 236—44)



5. In a control system, the combination of, a variable resistance responsive to changes in a condition, a mechanism to be operated, means to operate said mechanism according to changes of resistance in said variable resistance comprising a heat responsive element secured at one end and acting in one direction, a second heat responsive element secured at one end to the other end of said first heat responsive element and at the other end to said mechanism and acting in the opposite direction whereby ambient temperatures are compensated, a source of energy, a heating element controlling said first heat responsive element, a heating element controlling said second heat responsive element, and connections between said source, said variable resistance and said heating elements whereby said mechanism is moved in accordance with changes in the condition varying the resistance.

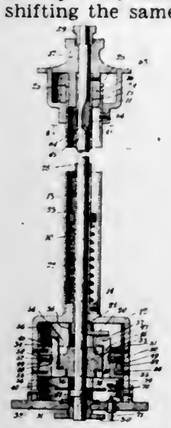
2,083,781
BUILDING CONSTRUCTION
Eugene G. Groves, Denver, Colo.
Application December 14, 1936, Serial No. 115,758
6 Claims. (Cl. 72—1)



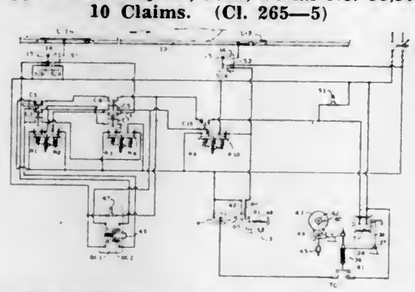
1. In building construction, a series of pairs of reinforced concrete studs outlining both faces of the basement wall; concrete poured between said studs to lock the latter in place, said studs being wider at their inner faces than at the outer, so as to become permanently imbedded and locked in said wall; a pair of horizontal longitudinally extending reinforced concrete beams supported by said basement wall; and a second series of vertical, spaced-apart reinforced concrete studs supported by said beams and extending upwardly therefrom, said latter studs being notched at their lower extremities to receive said beams.

2,083,782
COMBINATION LOCK
William B. Grubb, Sr., Ventnor, N. J., assignor of one-half to Winthrop White, Brooklyn, N. Y.
Application August 29, 1936, Serial No. 98,500
15 Claims. (Cl. 70—299)

1. A combination lock comprising a shaft adapted to actuate locking mechanism, a drum carried by said shaft, a stationary collar registering with said drum and having a plurality of recesses, members slidably mounted in said recesses, each member having a locking flange, recesses formed in said drum adapted to receive the respective locking flanges when the members are in locking position whereby the drum and collar are securely locked together, certain of said members being set with said locking flanges in locking position and certain others of said members being set with their flanges in releasing position, rotating means adapted to selectively engage said members for shifting the same into their opposite positions, and control means for actuating said rotating means having designations to enable an authorized operator to actuate only the first mentioned members.



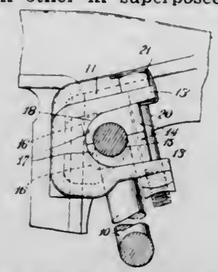
2,083,783
WEIGHING APPARATUS
Otto P. Haegele, Chicago, Ill., assignor to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois
Application July 26, 1935, Serial No. 33,305
10 Claims. (Cl. 265—5)



1. The combination with weighing apparatus including a scale platform for weighing load carrying vehicles, an electrically actuated recording device for recording the weight of the load on the scale, electric switches adjacent the ends of the platform and positioned to be actuated respectively by vehicles coming on and leaving the scale platform, timing mechanism controlling the recording device for effecting a predetermined lag before the operation of the latter, and electric timer actuating circuits including relays adapted to be actuated in sequence by predetermined operations of said switches by the vehicle to energize said timing mechanism when the vehicle is completely and alone on the scale platform.

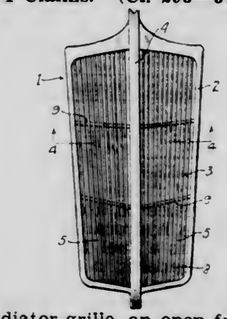
2,083,784
BRAKE HANGER RETAINING MEANS
Victor H. Harbert, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application January 31, 1936, Serial No. 61,767
4 Claims. (Cl. 188—209)

4. Brake hanger retaining means of the character described comprising a two part hanger retainer, each part being provided with a hanger receiving groove extending from end to end, the two parts being interchangeable and adapted to rest on each other in superposed relation and



provided with interlocking surfaces at the longitudinal sides thereof whereby the two parts are held against shifting movement on each other.

2,083,785
RADIATOR GRILLE
George Harrison, Jr., Toledo, Ohio, assignor to Doehler Die Casting Company, Toledo, Ohio, a corporation of New York
Application March 27, 1936, Serial No. 71,147
4 Claims. (Cl. 293—54)



4. In a radiator grille, an open frame, a series of vertically disposed bars within the frame having openings therein, integral cross members connecting the bars as a unit and having integral parts of solid cross section which extend through the openings whereby the cross members are keyed to the bars, and means to secure the ends of the cross members to the sides of the frame.

2,083,786
GARDEN TOOL
Geron G. Jerner and Herman E. Hokenson, Lake Forest, Ill.
Application February 27, 1936, Serial No. 66,046
7 Claims. (Cl. 55—114)



1. As a new article of manufacture, a garden tool comprising in combination a handle, a plurality of laterally spaced teeth connected to and radiating from one end of the handle and having the outer ends thereof extending downwardly for

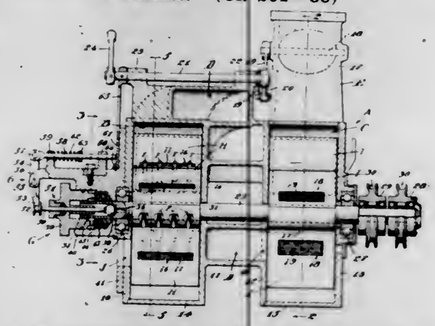
cultivating or raking purposes, and means for moving the teeth to and from one another consisting of a member slidable longitudinally of the teeth and comprising a fan-shaped part extending transversely across the teeth and provided with substantially equidistantly spaced slots corresponding in number to the teeth and through which the teeth extend respectively and also comprising a narrow part connected to the central portion of the fan shaped part and having a pair of oppositely facing, inwardly extending ears extending around and forming a sliding connection with one of the inner teeth.

2,083,787

COMBINED CARBURETOR AND SUPERCHARGER

Landreth Leffler, Los Angeles, Calif., assignor to Robert Stanley Hicks, El Monte, Calif.

Application June 10, 1935, Serial No. 25,854
9 Claims. (Cl. 261—88)



1. A unitary device to atomize, carburet and combine air and a hydrocarbon in suitable proportions for use as a fuel for internal combustion engines comprising a housing having an air intake opening, an adjustable shutter for controlling flow of air through said opening, a hollow shaft in said housing through which a hydrocarbon may be fed, a plurality of radial tube members communicating with the hollow portion of said shaft, compensating valves in said tube members adapted to regulate the supply of hydrocarbon flowing through said tube members, and a plurality of radially extending blades carried on said shaft within said housing.

2,083,788

COMBINATION FUNNEL AND DEVICE FOR OPENING TOPS OF BOTTLES AND JARS

Edgar O. Loeber, Cleveland Heights, Ohio, assignor to The Rulo Company, Cleveland, Ohio, a corporation of Ohio

Application January 8, 1934, Serial No. 705,645
2 Claims. (Cl. 226—38)



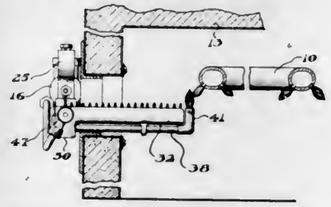
1. A unitary combination tool formed of a single section of elastic material shaped to provide a normally elongated member consisting of a continuous side wall and a relatively thin web connected throughout its marginal portions with one edge of said side wall and having a projecting nipple disposed within and substantially midway between the side portions of said side wall but nearer one end of said member than the other end thereof, all portions of said web surrounding said nipple being inclined outwardly laterally relative to said side wall, said side wall having portions converging relative to the major axis of said member and curvilinear portions connecting corresponding ends of said converging portions and arranged to cooperate with said web to form a funnel for pouring liquids, the elongated formation of said member permitting a portion thereof to serve as a handle when said member is used.

2,083,789

FUEL CONTROL SYSTEM

Birchard L. Matthews and John T. Marvin, Cleveland, Ohio, assignors to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio

Application December 13, 1933, Serial No. 702,162
2 Claims. (Cl. 158—117.1)



1. A device of the character described, an oven enclosure, a main burner within the same, a source of fuel supply for said main burner, an automatic valve in said fuel supply line for controlling the supply of fuel to the main burner, heat responsive means operating said valve, said valve and said heat responsive means being located outside said oven; a constantly burning pilot within said oven and in ignitable relation to the main burner, an elongated auxiliary burner extending through an opening in the wall of said oven enclosure, a fuel supply connection between said valve and said auxiliary burner, said auxiliary burner having the end within the oven in ignitable relation to said constant pilot, and the other end outside the oven in operating relationship to said heat responsive means, said auxiliary burner operating through said heat responsive means to open said valve to supply fuel to the main burner, means associated with said valve and operating to effect a reduction in the fuel supply to said auxiliary burner upon the opening of said valve, said auxiliary burner, heat responsive means and valve operating to close off the fuel supply to said main burner upon extinguishment of said auxiliary burner.

2,083,790

APRON

William E. McGuire, Jennings, Mo.

Application August 24, 1935, Serial No. 37,637
4 Claims. (Cl. 2—51)

1. An apron comprising a skirt portion and a bib portion, shoulder straps extended from said bib portion in straight lines, and tie strings detachably attached to said shoulder straps and adapted to be crossed at the back of a wearer of the apron, said shoulder straps being of flat formation and wider than said tie strings, elements associated with said apron at opposite sides thereof through which said tie strings are extended, the extended portions of said tie strings being adapted to be tied together at a point be-



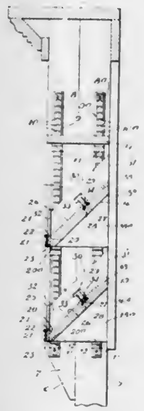
tween the locations of said elements, and locking means forming parts of said elements for locking said strings in positions to which they have been adjusted.

2,083,791

SHELF CONSTRUCTION FOR WALL COUNTERS

Pierre H. Meyer, Mount Vernon, N. Y.

Application July 31, 1936, Serial No. 93,612
3 Claims. (Cl. 211—147)



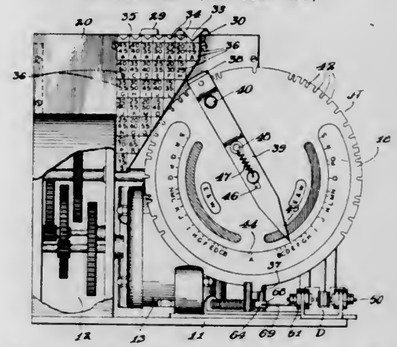
1. In shelving of the class described having spaced standards, opposed surfaces of which are provided with pairs of vertically arranged shelf supporting strips having longitudinally spaced apertures arranged in common horizontal alinement thereon, shelf supporting brackets detachably and adjustably supported on said strips, a shelf unit involving a shelf board arranged in an upwardly and rearwardly inclined position within and between the opposed standards, and the end portions of said board having supports provided with horizontal lower surfaces and upwardly and rearwardly inclined upper surfaces for supporting the shelf upon horizontally disposed brackets arranged on said shelf supporting strips.

2,083,792

TIMER AND SIGNAL CIRCUIT

Alvin O. Olafson, St. Paul, Minn., assignor to National Traffic Signal Company, St. Paul, Minn., a corporation of Minnesota

Application August 25, 1930, Serial No. 477,510
Renewed April 29, 1937
12 Claims. (Cl. 200—27)



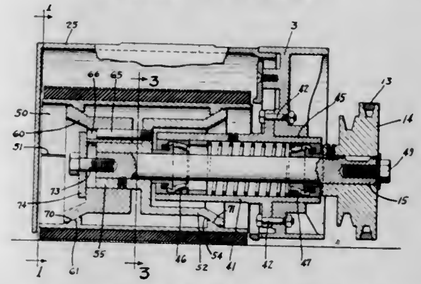
1. An electrically operated timer for traffic signals and the like comprising, a timer operating shaft, and a rotatable cam circuit closing switch having booster cam means therein adapted to cause an electric circuit to be closed when a circuit is opened by said switch.

2,083,793

ABRADING OR POLISHING IMPLEMENT

Earl E. Price, Minneapolis, Minn., assignor to G. H. Tennant Company, Minneapolis, Minn., a corporation of Minnesota

Application January 14, 1937, Serial No. 120,541
5 Claims. (Cl. 51—190)



1. In combination with a spindle, a longitudinally split tube wedging means by which the tube is evenly expanded, an elastic tube which exerts an initial constrictive action to lessen the normal diameter of the split tube, and an abrading tube against which the elastic tubing is compressed when the split tube is expanded.

2,083,794

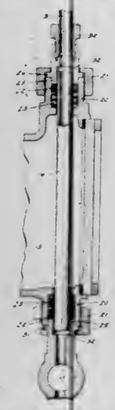
GAUGE GLASS PACKING

Frank M. Roby, Shaker Heights, Ohio

Application June 12, 1935, Serial No. 26,151
5 Claims. (Cl. 73—54)

1. In a water gauge having a tubular gauge glass, a casing therefor, the casing having a stuffing box surrounding the glass adjacent one end thereof, and having packing material therein for engaging the glass and holding it centrally within the box, a member removably attached to the casing and in abutting engagement therewith for

exerting a predetermined degree of pressure initially against the packing, and a spring for exerting additional pressure against the packing, the strength and size of the spring with relation



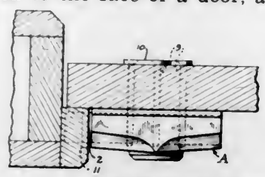
to the packing being such that the maximum pressure which may be exerted against the packing is limited to an amount which will not break the gauge glass.

2,083,795
PRODUCTION OF HYDROGEN
Georg Schiller and Gustav Wietzel, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 17, 1933, Serial No. 666,539
7 Claims. (Cl. 23—212)

1. A process for the production of hydrogen by conversion of a gaseous hydrocarbon with a gas comprising an oxidizing agent of the group consisting of steam, carbon dioxide and free oxygen, which comprises reacting said gaseous hydrocarbon with the said gas at a temperature between 500° and 900° C. in the presence of a catalyst containing from 10 to 40 per cent of nickel and from 90 to 60 per cent of magnesium oxide and which is prepared by mixing a compound of magnesium leaving behind magnesium oxide by heating up to 600° C. with a fine dispersion in water of a nickel salt which upon heating up to 600° C. is completely decomposed, said magnesium compound being employed in an amount less than that corresponding to the aforesaid ratio of nickel and magnesium oxide, converting the resulting mixture into a mixture of the oxides of nickel and magnesium adding magnesium oxide to the mixture in such an amount that the aforesaid ratio is established and then subjecting these oxides to a reducing treatment, thereby converting the nickel oxide into metallic nickel.

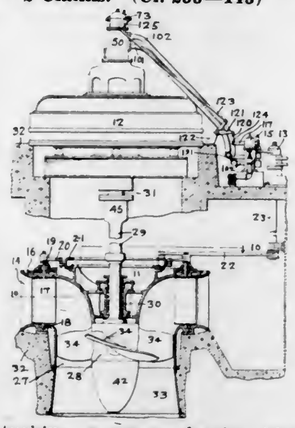
2,083,796
LOCK
Walter R. Schlage, San Francisco, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application May 21, 1935, Serial No. 22,519
5 Claims. (Cl. 70—134)

1. In a lock of the character described a housing, a key actuated rotatable cylinder plug extending crosswise of the housing, a bolt extending longitudinally of the housing at right angles to the plug and directly above the same and in a position substantially central of the length of the plug, means carried by the plug for imparting movement to the bolt, said housing adapted to be secured to the face of a door, and a plu-



rality of screw receiving passages formed in the housing to receive screws extending through the door, the longitudinal axes of the screws and the screw receiving passages being parallel to the longitudinal axis of the plug.

2,083,797
HYDRAULIC MACHINE
James D. Scoville, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application November 13, 1935, Serial No. 49,457
2 Claims. (Cl. 253—143)

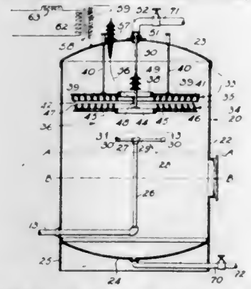


1. In a turbine, a runner having blades and means for adjusting the blades into different angular positions, gates and means for adjusting the gates into different angular positions, a governor, mechanism operated by the governor for controlling the operation of the gate adjusting means, means separate from said mechanism operated by the governor for controlling the runner blade adjusting means, means for adjusting said controlling means, a rod connecting the governor with said controlling means, and means for changing the length of said rod whereby the adjustment of said controlling means is changed in accordance with variations in head on the runner.

2,083,798
METHOD AND APPARATUS FOR ELECTRICALLY TREATING EMULSIONS
Claudius H. M. Roberts, Webster Groves, Mo., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California
Application November 14, 1935, Serial No. 49,857
15 Claims. (Cl. 204—24)

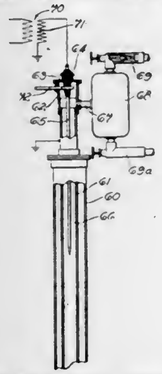
1. A method of electrically treating an emulsion produced by a well and containing a dispersed phase of an aqueous material, which

method includes the steps of: subjecting said emulsion shortly after production thereof by said well and while it is in the early stages of stabilization of the interface and in any event before the lapse of from 6 to 48 hours to the action of an electric field of sufficient intensity to coalesce



the dispersed phase of said emulsion, said treatment being performed at a temperature insufficient to vaporize the aqueous phase of said emulsion at the pressure existing in said electric field; and separating the phases of said emulsion.

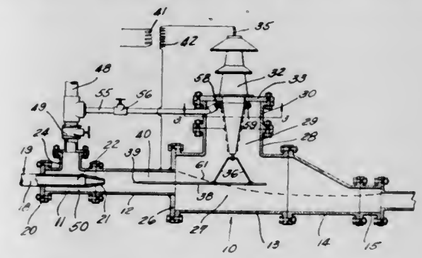
2,083,799
METHOD OF AND APPARATUS FOR ELECTRICALLY TREATING EMULSIONS
Claudius H. M. Roberts, Long Beach, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California
Application September 25, 1933, Serial No. 690,806
Renewed November 24, 1936
11 Claims. (Cl. 166—21)



1. A method of electrically treating an emulsion, which method includes the steps of: establishing an electric field in the well from which said emulsion is being produced; moving said emulsion through said electric field to agglomerate the dispersed particles therein; and separating said agglomerated particles after the liquid produced by said well has been removed therefrom.

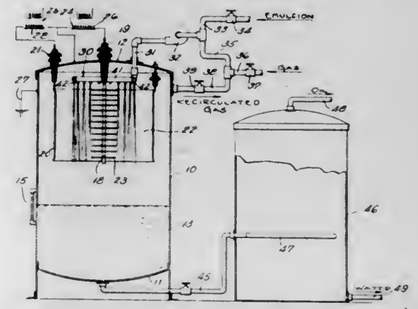
2,083,800
PIPE LINE TREATING SYSTEM
William Woelflin, Long Beach, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California
Application August 8, 1932, Serial No. 627,910
23 Claims. (Cl. 204—24)

1. In a pipe-line treater, the combination of: a horizontally disposed pipe comprising an outer electrode connected to the pipe line; walls connected to one end of said pipe and forming an enlarged chamber into which said pipe discharges; a horizontal rod electrode extending from said enlarged chamber into said pipe and cooperating with said pipe in defining an annular treating space; insulator means extending sidewise in said enlarged chamber toward said rod electrode for mounting said rod electrode to extend centrally into said pipe; nozzle means extending into the opposite end of said pipe from said walls forming said enlarged chamber and



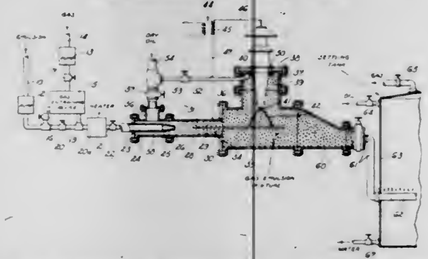
directed toward but spaced from the inner end of said rod electrode; means for supplying the emulsion to be treated to said nozzle means, said emulsion being thus discharged from said nozzle and moving through said pipe and thence into and through said treating space and being thereafter discharged into said enlarged chamber, the inner end of said insulator means terminating short of the main stream of emulsion discharged from said nozzle; and means for impressing a potential difference between said rod and said outer electrode.

2,083,801
METHOD AND APPARATUS FOR DEHYDRATING PETROLEUM
Harold C. Eddy, Los Angeles, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California
Application September 6, 1932, Serial No. 631,785
16 Claims. (Cl. 204—24)



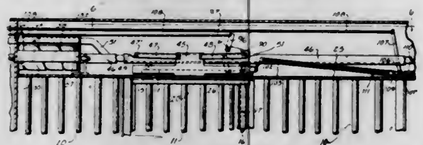
1. A method of electrically treating an emulsion, which method includes the steps of: subdividing substantially the entire quantity of said emulsion to be treated to form a plurality of minute particles positioned in a gaseous atmosphere; and subjecting the gaseous atmosphere and said minute particles positioned therein to an electric field of sufficient intensity to coalesce the dispersed phase liquid of said emulsion; and separating the coalesced phase liquid from the liquid forming the continuous phase of said emulsion.

2,083,802
PROCESS AND APPARATUS FOR TREATING EMULSIONS
William Woelflin, Long Beach, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California
Application May 23, 1934, Serial No. 727,122
Renewed May 13, 1937
8 Claims. (Cl. 204—24)



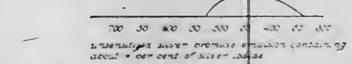
1. A method of electrically treating an emulsion, which method includes the steps of: forming said emulsion into a foam comprising masses of a substantially non-condensable gas surrounded by said emulsion, the volume of said gas in said foam being at least as great as the volume of the emulsion in said foam; subjecting said foam to the action of an electric field; and seperating said gas from the constituents of said emulsion.

2,083,803
OPERATING MECHANISM FOR DOORS
James A. Youngblood, Dallas, Tex.
Application August 12, 1935, Serial No. 35,835
15 Claims. (Cl. 189—7)



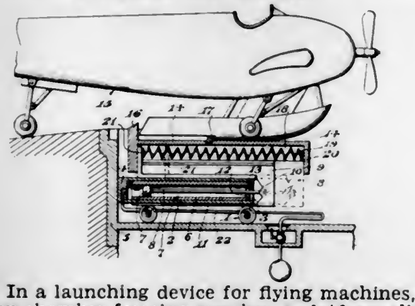
1. An operating mechanism for a plurality of doors including, a common propelling bar, means for detachably connecting each door with the bar whereby said doors are opened and closed by the movement of said bar, a common locking bar, latch means for each door, means for detachably connecting each latch means with said locking bar, and a single means for each door for actuating the connecting means between the door and propelling bar and also for actuating the connecting means between the latch means of said door and the locking bar, whereby the door is disconnected from the propelling bar and the latch means thereof is disconnected from the locking bar.

2,083,804
SENSITIZING PHOTOGRAPHIC EMULSION
Walter Zeh, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application December 7, 1932, Serial No. 646,215
In Germany December 15, 1931
14 Claims. (Cl. 95—7)



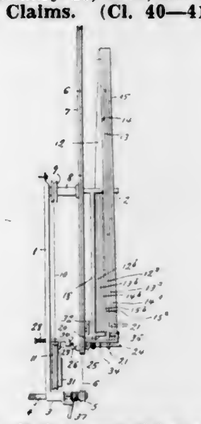
1. A photographic material comprising a silver-halide emulsion sensitized with an asymmetrical trimethinecyanine containing in its molecule an alkyl group linked to at least one of the lateral carbon atoms of the trimethenyl chain.

2,083,805
LAUNCHING DEVICE
Herbert Luther Adams, Washington, D. C.
Application November 22, 1932, Serial No. 644,569
4 Claims. (Cl. 244—63)



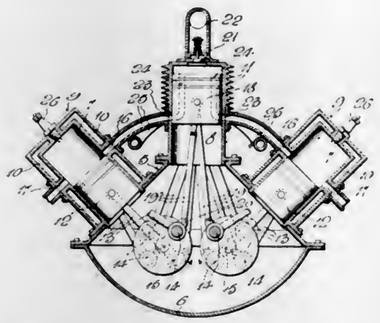
1. In a launching device for flying machines, a piston chamber forming member, a platform slidable with respect to said member, a support for a flying machine slidable on said platform, a piston slidable in said chamber for moving said platform relative to said support, a compressible energy accumulator connecting said platform and said support and adapted to be compressed to accumulate energy by movement of the platform relative to the support, said accumulated energy being released to move the support relative to the platform to give added impetus thereto when platform and support cease to move as a unit.

2,083,806
REVOLVING TIRE SIGN AND COVER
Ray B. Anderson, Oklahoma City, Okla.
Application January 16, 1937, Serial No. 121,000
3 Claims. (Cl. 40—41)



1. A display device comprising a plurality of radially split sign disks disposed one against another in a compact group for rotation about a common axis, the corresponding ends of the disks at one side of the split overlapping the adjacent corresponding disk end at the opposite side of the split whereby when the innermost disk of the group is rotated through a complete turn it will be moved to the outermost side of the group, and means for rotating said disk to cause the innermost disk of the group to be rotated successively to the outermost side of the group.

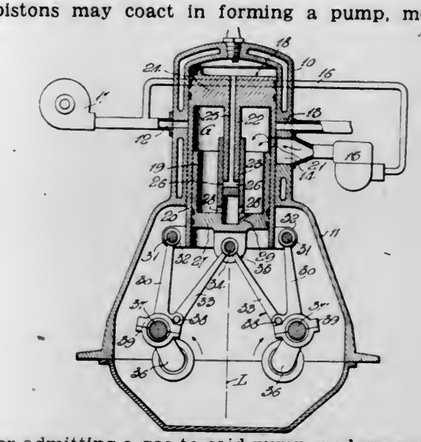
2,083,807
TWO-CYCLE ENGINE
Albert Andrews, Deadwood, S. Dak.
Application June 26, 1935, Serial No. 28,575
4 Claims. (Cl. 123—52)



3. In a two-cycle internal combustion engine, two rows of power cylinders, each having opposed gas admission and gas exhaust ports, power pistons in said power cylinders acting as valves for said ports, two oppositely rotatable crank shafts, rods connecting the pistons of one of said rows of power cylinders with the cranks of one of said crank shafts, other rods connecting the pistons of said other row of power cylinders with the cranks of the other crank shaft, a row of gas pumping cylinders each having a gas admission valve and opposed gas discharge ports, gas pumping pistons in said gas pumping cylinders each having two gas discharge passages for communication with said opposed gas discharge ports of said gas pumping pistons, diverging rods connected to said gas pumping cylinders and actuated by the same cranks with which the aforesaid rods are connected, there being two of said diverging rods connected with each one of said pumping pistons, one of these rods being operatively connected with a crank of one of said crank shafts and the other operatively connected with a corresponding crank of the other of said crank shafts, and gas conducting passages leading from said gas discharge ports of said gas pumping cylinders to said gas admission ports of said power cylinders.

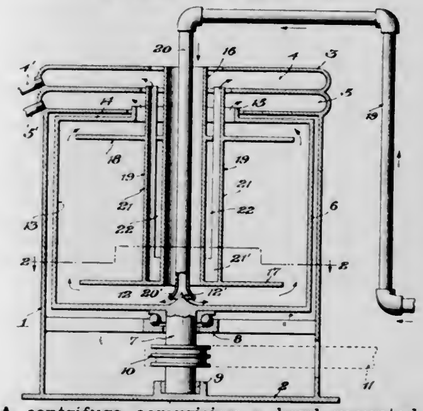
2,083,808
INTERNAL COMBUSTION ENGINE
Albert Andrews, Deadwood, S. Dak.
Application March 9, 1936, Serial No. 67,977
10 Claims. (Cl. 123—69)

1. In a machine of the class described, a cylinder, a main piston therein, a second piston within said main piston, two main rods disposed at opposite sides of a line coaxial with said pistons, said main rods being pivoted on laterally spaced axes to said main piston, two additional rods in diverging relation with said main rods and pivoted to said second piston, and two oppositely rotatable crank shafts disposed at opposite sides of the aforesaid line, the main and additional rods at one side of said line being operatively connected with one crank of the crank shaft at said one side of said line, the other main and additional rods being operatively connected with one crank of the other crank shaft, said rods and crank shafts being operative to cause relative reciprocation of said pistons as the main piston reciprocates in the cylinder, whereby said pistons may coact in forming a pump, means



for admitting a gas to said pump, and means for discharging the gas from said pump.

2,083,809
BOWL CENTRIFUGE
Abraham B. Asch, Jersey City, N. J.
Application June 2, 1934, Serial No. 728,748
1 Claim. (Cl. 233—21)

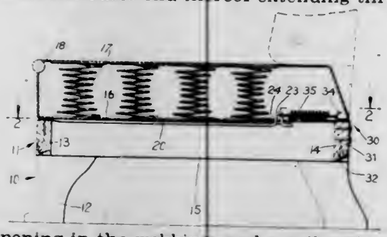


A centrifuge comprising a bowl mounted to rotate on a vertical axis, a baffle positioned within the bowl spaced in substantially parallel relationship to the lower end of the bowl and closely adjacent thereto, a feed line discharging into the space between the baffle and the bowl; a second baffle positioned closely adjacent the upper end of the bowl and defining therewith a draw off channel for the heavier constituent of the mass being treated; an axial launder mounted in the lower baffle and extending through and beyond the upper baffle, the launder being open to the liquid throughout a greater portion of its length but being closed for a predetermined distance adjacent the lower baffle to establish with a baffle a relatively quiescent area where stratification takes place.

2,083,810
UPHOLSTERY CONSTRUCTION
Albert M. Bank, Jersey City, N. J., assignor to Sylvia Bank, Jersey City, N. J.
Application February 8, 1935, Serial No. 5,525
14 Claims. (Cl. 155—179)

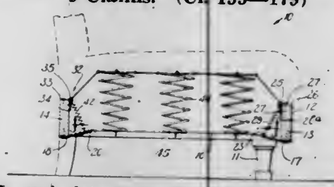
1. In upholstery construction, a frame, a one piece webbing secured at the margin thereof to

the upper edge of said frame, a rod contacting the underside of said webbing attached at one end to said frame, and having a humped portion adjacent the outer end thereof extending through



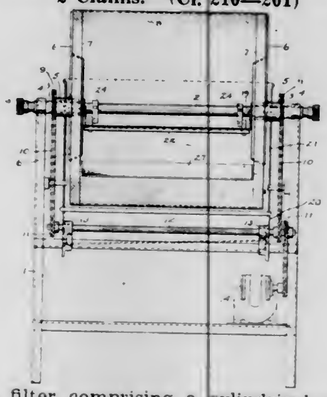
an opening in the webbing, and a coil spring disposed on the upper side of said webbing, attached at one end thereof to said frame and means connecting the other end thereof to said humped portion.

2,083,811
UPHOLSTERY CONSTRUCTION
Albert M. Bank, Jersey City, N. J., assignor to Sylvia Bank, Jersey City, N. J.
Application June 19, 1935, Serial No. 27,294
9 Claims. (Cl. 155—179)



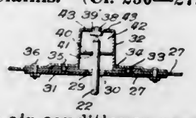
1. In upholstery construction, a frame, a plurality of strap members attached at the ends thereof to opposite walls of said frame, each strap having an integral transversely corrugated portion, foundation springs mounted on said strap members, and coil tension springs attached to the frame and to said strap members, inwardly of the ends of the latter.

2,083,812
FILTERING MACHINE
Walter A. Barrett, Fort Wayne, Ind.
Application October 17, 1934, Serial No. 748,631
2 Claims. (Cl. 210—201)



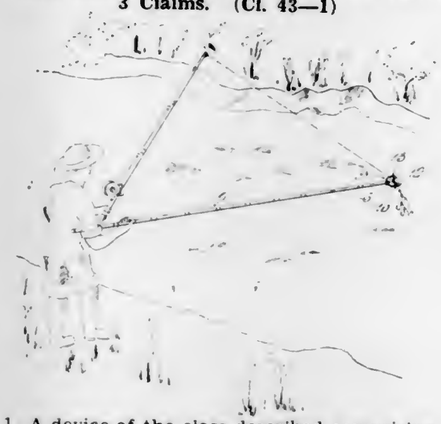
1. A filter comprising a cylindrical screen, a fixed hollow shaft revolubly supporting the screen and adapted to discharge the material to be treated into the interior of the screen, a pan mounted on the shaft to distribute said material on to the inner peripheral surface of the screen and an adjustable scraper contacting the said inner surface of the screen below the horizontal plane of the axis of the cylindrical screen.

2,083,813
AIR CONDITIONING FAN
Benjamin C. Bartlebaugh, Wheeling, W. Va.
Application February 21, 1936, Serial No. 65,145
3 Claims. (Cl. 230—273)



1. A portable air conditioner comprising a hollow base, a collar supported by the base, a sleeve supported by the base and encircling the collar, said collar and sleeve communicating with the interior of the base, upper and lower vertically spaced bars supported by the sleeve and disposed transversely thereof, a pin having its lower end engaged with the lowermost bar and extending through the upper bar, a fan having a cup fixed to its hub, a partition in the cup to define a chamber therein, a head in the chamber, said pin passing through the partition and rotatably engaged with said head.

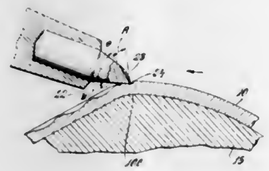
2,083,814
FISHERMAN'S BAIT REPLACING AND LINE-FREEING DEVICE
William J. Bence, Kingston, N. Y.
Application May 27, 1936, Serial No. 82,112
3 Claims. (Cl. 43—1)



1. A device of the class described comprising a length of wire bent to form a loop, said wire having its ends bent to form coils to snugly surround the front end of a pole to attach said loop to the pole, a portion of said loop being bent inwardly to provide a V-shaped line-pushing crotch, said crotch being open to allow it to be readily withdrawn from the line.

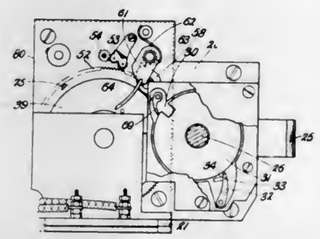
2,083,815
RECORDING AND REPRODUCING SOUND
Max Bender, New York, N. Y., assignor, by mesne assignments, to United Acoustigraph Corporation, a corporation of Nevada
Application October 12, 1931, Serial No. 568,317
7 Claims. (Cl. 274—46)

4. Means for cutting a sound record groove in a thin tough film comprising a cutting tool having surfaces meeting to form a sharp curved cutting edge, an anvil for supporting the film, means for drawing the film over said anvil and against said cutting edge, means for supporting said tool with the surfaces extending away from the edge in the direction of movement of the material, with the edge extending transversely of the groove and with the edge curve components, transverse of the groove, lying at a general incline to the normal to the axis of the groove so as to effect a slicing action of the film and means for vibrating the tool in accordance with sound waves to be recorded.



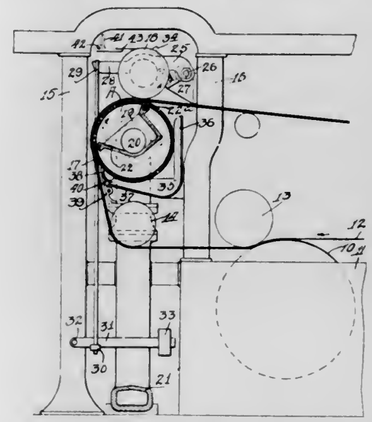
6. The method of cutting a record groove in a sheet of tough plasticized material by means of a cutting tool having a sharp cutting edge, which method consists in drawing said material against said edge, holding the tool with the edge penetrating the material and the edge inclined, transversely of the groove, to a plane normal to the direction of movement of the sheet, whereby a slicing action is effected and vibrating the tool in accordance with sound to be recorded.

2,083,816
ELECTRIC DELAYED COMBINATION LOCK
William T. Benham, Norwood, Ohio, assignor to The Mosler Lock Company, Inc., Covington, Ky., a corporation of Ohio
Application April 7, 1936, Serial No. 73,134
13 Claims. (Cl. 70—269)



1. In an electric delayed combination lock the combination with a continuously rotating synchronous motor, gear means continuously rotating therewith, a check disc, a clutch disc, a normally inoperative clutch adapted to engage said gear means whereby the clutch disc and check disc are rotated therewith, a combination lock having a pair of gates separately movable into the tumbler slots thereof, a slidable bolt normally checked by the check disc, one of said gates being operative to move the bolt, and means conditioned by the other of said gates upon proper actuation of the combination lock whereby the clutch mechanism is released to operative engagement with the constantly operating gear means for moving the check disc, after a predetermined interval of operation, into a position wherein said check disc permits operation of the bolt by said first mentioned gate.

2,083,817
WATER EXTRACTING DEVICE FOR PAPER MACHINES AND METHOD OF MAKING PAPER
Earl E. Berry, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application May 3, 1935, Serial No. 19,590
9 Claims. (Cl. 92—38)



7. The process of extracting water from wet fibrous webs just subsequent to their formation on a paper machine which comprises picking up the wet fibrous web on a pick-up felt directly from the forming surface of the paper machine, conveying the web on the felt away from the forming surface, wrapping said pick-up felt with the web thereon around the suction area of a suction roll, wrapping a top felt around part of the suction roll to cover the wet web thereon, sucking water from the web and pick-up felt as they pass over the suction area of the roll, and squeezing additional amounts of water therefrom.

2,083,818
CYLINDER PAPER MACHINE AND METHOD OF MAKING PAPER
Earl E. Berry, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application May 3, 1935, Serial No. 19,591
14 Claims. (Cl. 92—38)



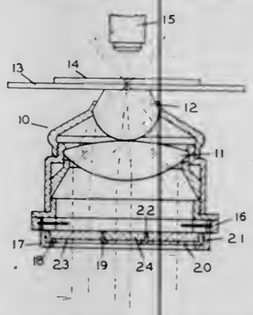
6. A paper machine comprising a fibrous web forming part, a pick up felt for receiving the fibrous web from the forming part, a suction roll positioned immediately after the forming part, a press roll cooperating therewith, means for training the pick up felt and web thereon over the suction area of the suction roll and through the nip of the suction roll and press roll, additional press rolls adjacent said suction roll and means for removing the web from the pick up felt immediately after the web passes through said last press rolls before the web reabsorbs moisture from the felt.

2,083,819
CYLINDER PAPER MACHINE AND PROCESS OF MAKING PAPER
Earl E. Berry, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application June 12, 1935, Serial No. 26,181
19 Claims. (Cl. 92—43)



1. A cylinder type paper machine having cylinder molds rotating in a direction toward the drier section of the machine, a pick-up felt for receiving fibrous webs from the cylinder molds, a suction drum spaced from the cylinder molds, a press roll cooperating therewith, means for training the pick-up felt with the web thereon over the suction area of the suction roll and through the nip of the suction roll and press roll, a top felt for covering the web as it passes through said nip, means for reversing the direction of said top felt, means adjacent said suction drum for removing the web from the pick-up felt and directing it on top of the top felt whereby the surface of the web which contacts the pick-up felt is exposed and means for removing further quantities of water from the web.

2,083,820
MICROSCOPE FILTER SYSTEM
Everett S. Bissell, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 27, 1935, Serial No. 13,312
3 Claims. (Cl. 88—40)



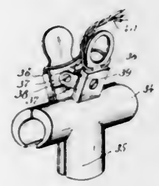
1. A rigid filter support comprising two shallow annular members of different size, and an arm for holding said members in substantially concentric relation, an annular filter adapted to rest on said arm and to extend between said members and a second filter adapted to lie within and rest upon the inner member.

2,083,821
DETERGENT COMPOSITION
Waldemar Blech, Cleveland, Ohio, assignor to Thurlow G. Gregory
No Drawing. Application September 8, 1936, Serial No. 99,814
2 Claims. (Cl. 87—5)

1. A relatively harmless, water rinsible detergent composition for the removal of glycerol phthalate synthetic resins and cellulose lacquer from the skin and consisting essentially of:

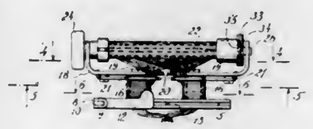
	Parts by weight
Synthetic resin solvent matter from the group consisting of toluol, xylol and mixtures thereof, approximately	8½ to 60
A highly volatile cellulose lacquer solvent and selected from the group consisting of ethyl acetate, butyl acetate, pentyl acetate, ethyl propionate, ethylene-glycol-mono-ethyl-ether acetate, ethylene-glycol-mono-butyl-ether acetate and mixtures thereof, approximately	1½ to 40
Soap, approximately	8 to 20
Glycerine, approximately	5½ to 16
Carbon tetrachloride 0 to approximately	8
Water, approximately	15 to 60
An alkali from the group consisting of sodium carbonate, sodium hydroxide and mixtures thereof, approximately	⅛ to 20

2,083,822
METHOD AND APPARATUS FOR PERMANENT WAVING
Harry Bonat, New York, N. Y.
Application June 28, 1933, Serial No. 677,974
15 Claims. (Cl. 132—36)



1. The method of waving hair on the human head which comprises dividing the hair into strands, clamping each strand adjacent the scalp, winding a portion of each strand helically outwardly from the scalp and the remaining portion of each strand spirally inwardly from the free end, moistening and wrapping the wound strands and applying heat thereto to fix the wave.

2,083,823
APPARATUS FOR WAVING HAIR
Harry Bonat, New York, N. Y.
Application July 26, 1935, Serial No. 33,280
9 Claims. (Cl. 132—33)

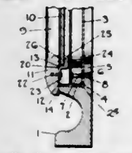


1. In an apparatus for curling hair on the human head, a base having clamping means, a pair of posts adapted to have strands of hair wound thereon supported on the base, yoke arms carried by the posts and spaced from said base, and a roller adapted to be rotatably mounted on the yoke arms.

2,083,824
MANUFACTURE OF HYDROCYANIC ACID
Harlan A. Bond and Charles Roberts Harris, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 19, 1934, Serial No. 744,712
12 Claims. (Cl. 23—151)

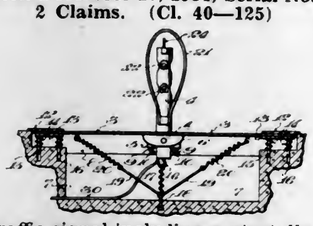
1. A process for the manufacture of hydrocyanic acid which comprises reacting a nitrogen compound with a hydrocarbon in the presence of a catalyst body comprising a non-porous refractory material, the surface of which is coated with a platinum metal.

2,083,825
SASH FOR DIAL SCALES
Alfred Bousfield, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a corporation of Vermont
Application February 17, 1934, Serial No. 711,639
8 Claims. (Cl. 116—129)



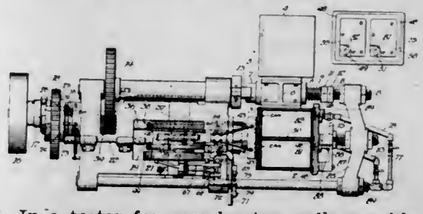
1. In a device of the character described, an annular dial head housing provided with a circular opening in its front wall and having an annular interior recess leading therefrom, an annular attachable outer sash adapted to be mounted in the said dial head housing, a dial mounted in the recess, a dial holding ring therefor, the said ring and dial being secured within the said recess, the said outer sash comprising a main body portion provided with inner and outer flanges extending at right angles thereto and a series of spaced attaching portions extending inwardly from the said main body portion into the said recess, the said attaching portions being adapted to fit in the said recess and thereby to centralize the said outer sash within the dial head housing, and attaching means for securing the said outer sash in position in the housing and co-operating with spaced openings in the said main body portion, the spaced attaching portions and the dial holding ring in securely fastening the said parts in the housing.

2,083,826
VEHICULAR TRAFFIC CONTROL SIGNAL
John R. Burress, Arlington, Tex.
Application December 17, 1934, Serial No. 757,835
2 Claims. (Cl. 40—125)



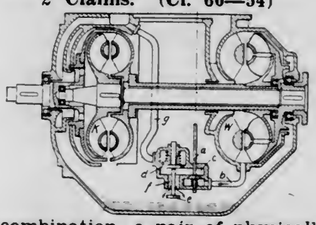
2. A traffic signal including a pivotally mounted and normally upright member, a mounting for said member, said mounting comprising plates capable of relative displacement when said member is displaced by a colliding obstacle, and spring means for returning said upright and said plates to normal position.

2,083,827
CAN TESTER
William Cameron, Chicago, Ill., assignor to Cameron Can Machinery Co., Chicago, Ill., a corporation of Illinois
Application October 8, 1932, Serial No. 636,835
12 Claims. (Cl. 73—51)



1. In a tester for cans having walls capable of flexing under moderate internal pressures, a chamber constructed to snugly surround and support all exterior surfaces of the can, means for sealing said chamber and the can therein, means for supplying compressed air to the can interior, leak detecting means connected to the chamber interior responsive to pressure changes therein, means arranged for opening the chamber interior to atmosphere prior to relieving the internal pressure in the can and means arranged for relieving the can internal pressure after opening the chamber.

2,083,828
FLUID TRANSMISSION HAVING A NUMBER OF FLUID CIRCUITS
Faic Canaan, Heidenheim-on-the-Brenz, Germany
Application March 25, 1936, Serial No. 70,900
In Germany February 25, 1935
2 Claims. (Cl. 60—54)



1. In combination, a pair of physically interconnected hydraulic mechanisms each including a driving member and a driven member, said members forming fluid circuits, the driving and driven members depending for their operativeness upon a supply of fluid in said circuits, means connecting the outlet of one of said mechanisms to the inlet of the other of said mechanisms whereby the pressure on the fluid in the filled mechanism will cause said fluid to be discharged through the inlet of the unfilled hydraulic mechanism, a surge tank associated with said mechanisms, a spring-pressed check valve between said mechanisms having a downward extension with a valve head of smaller diameter on its lower end controlling a discharge passage of fluid into said tank upon the fall of pressure in said connecting means between the hydraulic mechanisms, said valve head being opened when the spring-pressed check valve is closed, and vice versa.

2,083,829
DOUGHNUT MACHINE
Charles E. Carpenter, Chicago, Ill.
Application January 21, 1935, Serial No. 2,660
7 Claims. (Cl. 107—4)

3. In a doughnut machine, the combination of a frying pan for hot grease, means for delivering

dough batches into said pan, a cover plate for said pan, a vent duct extending along the upper portion of said pan beneath the cover plate, openings in said duct for induction of smoke and fumes thereinto, and means for circulating a current of



air through said duct, comprising a return connection between the entry and delivery ends of the duct, a fan in said return connection, and smoke and fume removing means in said return connection, substantially as described.

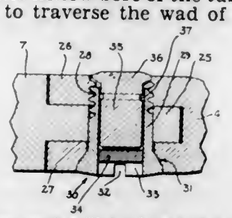
2,083,830
ARTIFICIAL LEG
Charles F. Clack, Baltimore, Md., assignor to Albert Sydney Hanger, Washington, D. C.
Application June 21, 1935, Serial No. 27,810
7 Claims. (Cl. 3—11)



1. In an artificial leg, the combination of a lower leg section, a thigh section, a knee joint for said sections, a support and control belt for encircling the hips of a wearer and including anterior and posterior quarter portions and a rigid section extending posteriorly through substantially the whole of the posterior quarter portion and anteriorly through approximately half of the anterior quarter portion at the side of amputation, and a short length pivotal connection between the anteriorly extended portion of the rigid section and the thigh section.

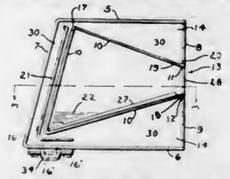
2,083,831
CONNECTING MEANS
Charles O. Cozzens, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application March 2, 1934, Serial No. 713,759
2 Claims. (Cl. 88—47)

1. In an ophthalmic mounting, means for connecting the separable parts of such mountings having aligned openings therein, one of which is provided with a threaded bore, comprising a tubular member having an enlarged head portion adjacent one end and a threaded portion adjacent its opposite end, said tubular member being adapted to be placed in the aligned openings and be threaded into the threaded bore to draw its head into binding relation with and to secure the said separate members together, said tubular member having a wad of solder pressed internally thereof and into frictional binding relation with its inner walls so as to span the opening therein and be carried by said tubular member as a part thereof, and binding means having a portion adapted to be inserted in the hollow bore of the tubular member so as not to traverse the wad of solder and



so that its inner end will be located adjacent the wad of solder when the parts are assembled whereby the said assembled parts may be subjected to heat to cause the wad of solder to melt and flow between the inner walls of the tubular member and the binding means in said tubular member and when cool to harden and adhere thereto and integrally unite the same, the relation of the solder with the binding means and tubular member being such that when heat is applied thereto the solder will not flow between the interthreaded parts.

2,083,832
OIL BURNER
Herbert F. Daniels, Seattle, Wash., assignor of one-half to Bertram Axman, Seattle, Wash.
Application August 3, 1936, Serial No. 94,005
4 Claims. (Cl. 158—91)



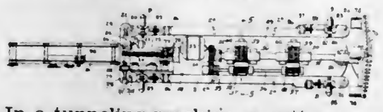
1. A heating device for vaporizing and burning heavy oils, comprising a receptacle with outside walls in substantially rectangular form of sheet metal, the top, back, bottom and sides substantially closed, sections of sheet metal across the upper and lower portions of the front and provided with a mouth opening horizontally between such sections, jaws along the upper and lower edges of such sections respectively, and such front sections of metal bent backward and inward from such mouth substantially as an open triangle forming inner walls for the top bottom and back of said device and spaced apart from said outer walls, to provide air spaces between the same, the inner and lower portion of such triangular wall adapted for retaining oil to be vaporized, and the remainder of the interior of said triangular walls surrounding a chamber adapted for mixing vapor from said oil with air and for burning the same, the upper rear corner of said triangle and the inner edge of said upper jaw both provided with holes from said air spaces for passage of air into said chamber to facilitate the vaporizing and burning of such oil, said upper jaw provided with holes along the outer edge thereof and said lower jaw provided with holes along the top thereof both for the passage of air from such spaces for fanning, increasing and spreading the flames from such oil when burned, together with a metal plate of heat conducting qualities superior to that of said interior and outer walls, resting on the floor of such chamber to facilitate the rapid heating and vaporization of such oil, and means for feeding oil into said chamber and air into such spaces.

2,083,833
FAN
Gardner C. Derry, Sharon, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Mass., a corporation of Massachusetts
Application April 5, 1934, Serial No. 719,131
8 Claims. (Cl. 230—134)



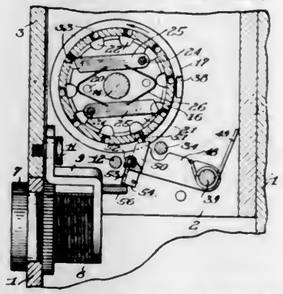
1. In a centrifugal fan rotor for handling erosive materials, supporting plates, and a plurality of blades attached to the plates, each blade having a riveting flange at the end thereof and the surface of the blade at the outer edge adjacent the flange being formed with a pocket of progressively increasing depth and width from a point intermediate the inner and outer edges to the outer edge to form a passage for the erosive material.

2,083,834
TUNNELING MACHINE
Louis Galuppo, Joseph Petti, and Anthony Coccia, Cleveland, Ohio
Application June 21, 1934, Serial No. 731,710
16 Claims. (Cl. 262—7)



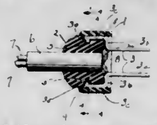
14. In a tunneling machine, a cutter assembly comprising a revoluble head and a plurality of cutter-supporting arms mounted thereon, each of said arms extending inwardly substantially to but not beyond the axis of said head.

2,083,835
COUNT REGISTERING MECHANISM
Azel Gay, Rochester, N. Y., assignor to Multipost Co., Rochester, N. Y., a corporation of New York
Application March 16, 1932, Serial No. 599,224
3 Claims. (Cl. 235—130)



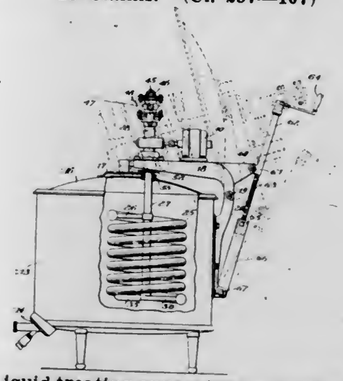
1. In a counting register the combination with a strong box casing having a closure and a key controlled lock therefor, and a plurality of counting wheels within the casing, said wheels being adapted to be manually set to a predetermined total only by access to the interior of the casing when the closure is open, of a detector mounted for movement between the lock and wheels, means for forcing the detector against the wheels by movement of the lock to locking position and for releasing said detector when the lock reaches locking position, and means upon the wheels for blocking through the detector the locking movement of the lock when any wheel is out of predetermined positions.

2,083,836
ELECTRICAL CONDUCTOR TERMINAL DEVICE
George H. Glade, Jr., Chicago, Ill.
Application June 12, 1934, Serial No. 730,354
2 Claims. (Cl. 173—361)



1. A device of the class specified having a body comprising an inner member and an encircling outer member, contact blades arranged in holes or recesses in said body, said outer member having a bore somewhat smaller than the exterior of the inner member so that when said outer and inner members are assembled in proper relation, the inner member is sufficiently compressed to hold said blades firmly in position and secure them against removal in ordinary service, and connecting wires extended lengthwise of portions of said blades and held firmly in position and in proper contact with the blades by the compressive stress on the inner member when the outer member is in position, said inner member having a bore for a cable and being adapted to be compressed by the application of the outer member to said inner member sufficiently to contract said bore and cause the inner member to firmly grip said cable and hold it against removal in ordinary service.

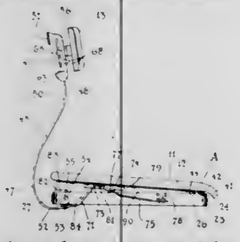
2,083,837
LIQUID TREATING APPARATUS
Rudolph F. Goecke, Elyria, Ohio, assignor to The Pfaudler Co., Rochester, N. Y., a corporation of New York
Application October 27, 1932, Serial No. 639,861
18 Claims. (Cl. 257—107)



1. Liquid treating apparatus comprising a liquid container, a cover pivotally secured to the con-

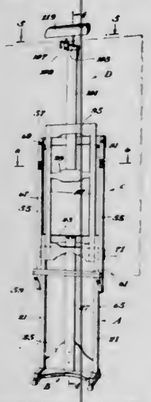
tainer for oscillating opening and closing movements about an axis spaced laterally outside the outline of said container, and liquid agitating and heat transfer means carried by said cover and movable bodily therewith, said agitating and heat transfer means being in an effective position substantially within said container when said cover is closed and being withdrawn to a position substantially outside of said container by the opening of the cover.

2,083,838
CHAIR
Leo E. Goenen, St. Paul, Minn., assignor to Fritz-Cross Company, St. Paul, Minn., a corporation of Minnesota
Application May 19, 1934, Serial No. 726,516
10 Claims. (Cl. 155—53)



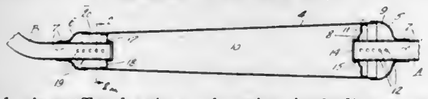
1. In a chair, a frame, an upright pivoted to said frame, a back rest carried by said upright and swingable in a back and forth direction, a seat pivoted at its forward edge to said frame and swingable in an up and down direction, an arm movable with said upright and extending in a forward direction beneath said seat, means on the underside of said seat for engagement with the upper surface of said arm, said seat causing back and forth movement of said back rest through movement of said arm, and a spring secured to said frame and engaging said arm, said spring urging said arm upwardly into engagement with the cooperating means on the underside of the seat.

2,083,839
SUPPORT
Maurice Grieve, New York, N. Y.
Application May 16, 1935, Serial No. 21,748
8 Claims. (Cl. 248—197)



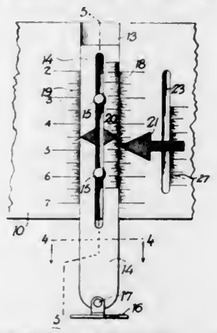
1. An easel comprising a body portion having three interconnected sections adapted to be extended into end to end relation, a base portion adapted for ready attachment to or disengagement from said body portion, and adapted, when attached thereto, to support said body portion in upstanding relation, a member slidably carried by said body portion and having means thereon for supporting the base of an article to be mounted on the easel, and means on said body portion for retaining the upper portion of such article.

2,083,840
MUFFLER
Lucien L. Haas, Buffalo, N. Y., assignor to Buffalo Pressed Steel Company, Buffalo, N. Y.
Application January 18, 1935, Serial No. 2,388
2 Claims. (Cl. 181—57)



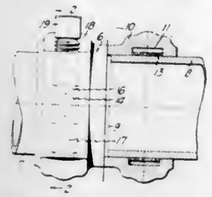
1. A muffler having a housing including a substantially frusto-conical shell, an inlet head closing the larger end of said shell and a discharge head closing the smaller end of said shell, exhaust and tail pipes extending respectively through said inlet and discharge heads into the interior of said housing, transverse baffles arranged in said housing at distances from said heads and forming in said housing chambers between said heads and said baffles and an intermediate chamber between said baffles, said baffles being secured at their peripheral portions to said shell and each engaging one of said pipes at a distance from the adjacent baffle and having apertures through which the flow of gases from one chamber to another is restricted, the portions of said pipes between said heads and baffles being provided with apertures and the inner ends of said pipes being closed.

2,083,841
ROAD MEASURING APPARATUS
Lewis W. Hall, Wynne, Ark.
Application November 16, 1935, Serial No. 50,188
3 Claims. (Cl. 33—174)



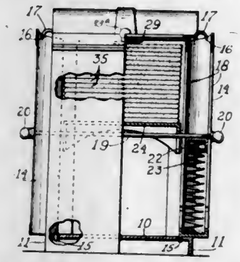
1. Road measuring apparatus comprising a board having a plurality of parallel transverse slots in a side face thereof, means on the board adapted to rest on a road form for holding the board upright, freely slidable gauge members in said slots, means for frictionally holding said slidable members in position, pivoted feet on said gauge members, scales on the board at opposite sides of each slot, indicating means on said gauge members coacting with said scales, and an indicator adjustably mounted adjacent each gauge member in position to coact with one of said scales.

2,083,842
COUPLING DEVICE
Bruno W. Henning, San Francisco, Calif.
Application April 21, 1934, Serial No. 721,686
2 Claims. (Cl. 285—193)



2. A coupling device for use on a pipe, comprising a relatively stiff body having a chamber therein, a yielding wall in the form of a band forming part of the boundary of said chamber, and means for hydraulically contracting said band to produce in said pipe a permanent peripheral groove within which said band is seated.

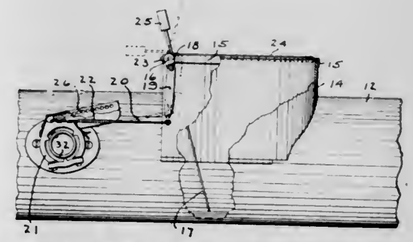
2,083,843
CRACKER DISPENSER
Ellis W. Hicks, Dallas, Tex.
Application September 16, 1935, Serial No. 40,825
2 Claims. (Cl. 312—71)



1. A cracker dispensing cabinet comprising a base having front, back and side walls secured to the said base and extending therefrom, the said side walls having downwardly-curved parts extending from their upper edges, the base having openings adjacent the side walls, a cylinder being located in a vertically extending slot in each of the said side walls, the said cylinders provided with projections on their lower ends receivable in the said openings in the base, the upper end of each cylinder having a notch engaged by said downwardly-curved parts of the side walls for holding the said cylinders in position, slots in each of the said cylinders, a rod transversely disposed in said slots, a spring means in each of said cylinders, a follower spaced in the said cabinet and the said follower being secured to the said transverse rod, stop means attached to the upper end of the said cabinet for holding the crackers upon the follower under tension of the said spring means.

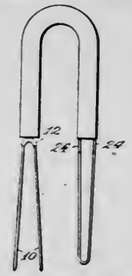
2,083,844
DRAFT DAMPER
Forrest L. Hitchcock, Indianapolis, Ind., assignor to Furnaslave, Inc.
Application May 14, 1934, Serial No. 725,558
1 Claim. (Cl. 236—96)

The combination with a smoke-pipe leading from a furnace to a stack, said pipe having an air inlet, a rock shaft mounted transversely across the inlet, a damper plate fixed to the shaft to swing down into the smoke pipe, an auxiliary damper plate fixed to the shaft at an angle to the first damper plate to swing to close said inlet as said first damper plate swings into the smoke pipe, a set screw adjustable toward and from the first damper plate to determine the maximum movement of said plate into the smoke



pipe, a crank fixed to the rock shaft, a bimetallic bar formed of a plurality of strips having different coefficients of expansion pivotally attached to the crank, a fitting to which the other end of the bar is attached and means for rotatably adjusting the fitting to adjust the position of the bar in relation to the position of the crank.

2,083,845
HAIRPIN
Lynette Hovious and Glenn O. Dougherty, Los Angeles, Calif.
Application May 31, 1932, Serial No. 614,524
3 Claims. (Cl. 132—50)

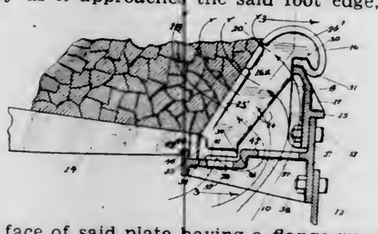


1. As a new article of manufacture, a hairpin for use in connection with a magnetic pickup, said hairpin having its main body formed of non-magnetizable material and a body of magnetizable material located on the end of the body of the pin whereby the pin when picked up by a magnet will be suspended lengthwise therefrom.

2,083,846
FURNACE BRIDGE WALL
Alexander Hynd, Chicago, Ill.
Application August 17, 1934, Serial No. 740,311
7 Claims. (Cl. 110—75)

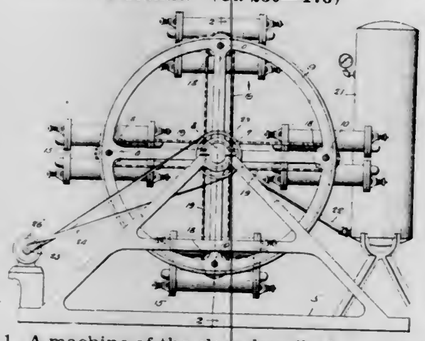
1. Furnace bridge wall bars in the form of elongated, substantially hook-shaped plates having two recessed faces with back and front longitudinally extensive edges, a hooked or curved edge, and a foot edge, the recesses in said faces being formed by outwardly extensive flanges, the flange of one face beginning at the said hooked edge and running around to and along the said front longitudinal edge and around said foot edge terminating at said rear longitudinal edge, the

front longitudinal flange being graduated inwardly as it approaches the said foot edge, the



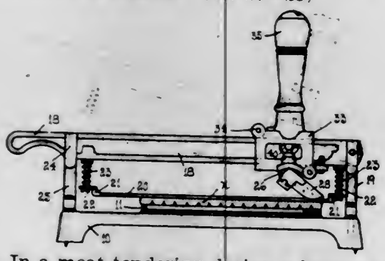
other face of said plate having a flange running entirely around said plate but opened or interrupted at said foot end and near said hook end.

2,083,847
CENTRIFUGAL FORCE AIR PUMP WHEEL
Orlando B. Johnson, Boise, Idaho
Application May 22, 1935, Serial No. 22,845
5 Claims. (Cl. 230—178)



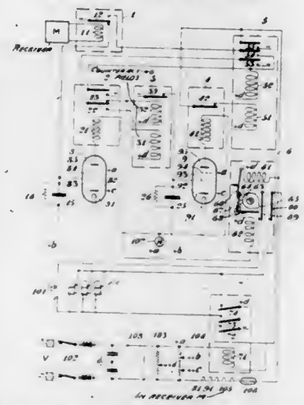
1. A machine of the class described, comprising a base, a shaft mounted on the base, rotary membars mounted on the shaft, stationary sprockets mounted on the shaft, cylinders mounted for rotary movement on the rotary members, sprockets associated with the cylinders, chains operating over the stationary sprockets and last mentioned sprockets, whereby the cylinders are rotated and maintained in substantially horizontal positions throughout the cycle of rotation of the fly wheels, pistons slidable throughout the lengths of the cylinders by centrifugal force as the rotary members rotate, compressing air, and means for rotating the rotary members.

2,083,848
MEAT TENDERING DEVICE
William C. La Berge, Omaha, Nebr.
Application November 7, 1935, Serial No. 48,703
5 Claims. (Cl. 17—25)



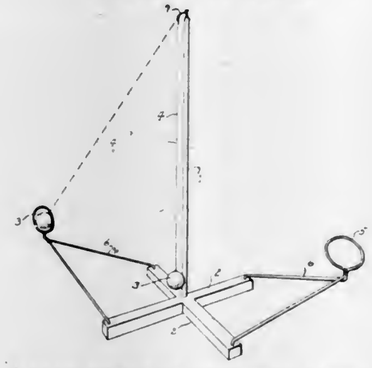
1. In a meat tendering device, a base, a meat-supporting plate on the base and provided with upwardly projecting teeth disposed in parallel rows, a pivotally mounted handle-bar above said plate, a pressure-frame carried by and having contact-bars disposed parallel with the handle-bar, a cutter-bar having a pair of upwardly projecting arms and provided with blades disposed in planes parallel with the plane of the handle-bar, a coupling-member on the handle-bar having a pair of slotted wings receiving the arms of the cutter-bar, and wing-nuts threaded on said arms for engaging the slotted wings, said coupling-member being movable on the handle-bar, and each blade moving longitudinally of and midway between two adjacently disposed contact-bars of said pressure-frame.

2,083,849
ELECTRIC SELECTIVE SIGNAL RECEIVING APPARATUS
Axel Sigurd Litström, Stockholm, Sweden
Application November 21, 1935, Serial No. 50,912
In Sweden November 23, 1934
3 Claims. (Cl. 177—353)



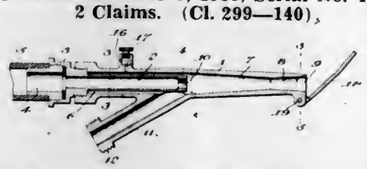
1. In a signal receiving apparatus of the character described, the combination of a receiver having a signal receiving relay provided with a single movable contact, a counting device for counting signals received and for effecting indication after receipt of a predetermined number of signal dashes, holding and re-set means for said counting device, a minimum time measuring device connected to said signal receiving relay in such manner as to be put in operation by said movable contact upon commencement of a signal dash received and to be put out of operation by said contact upon termination of the dash, contact means associated with and adapted to be operated by said device after a predetermined time of operation of said device and to be returned to normal position by said device being put out of operation, at least one further time measuring device connected to said contact means associated with said first mentioned time measuring device in such manner as to be put in operation and out of operation by said contact means, contact means associated with and adapted to be operated by said second time measuring device after a predetermined time of operation of said device, and to be returned to normal position by said device being put out of operation, a circuit for initially energizing said holding and re-set means for said counting device, said circuit being arranged to be closed by said contact means associated with said first-mentioned minimum time measuring device when operated by said device, a locking circuit for said holding and re-set means for said counting device arranged to be opened by said contact means associated with said second time measuring device upon said contact means being operated after a predetermined time of operation of said device, a second locking circuit for said holding and re-set means for said counting device arranged to be closed by said movable contact of said signal receiving relay while a signal dash is being received, and an impulse circuit for said counting device arranged to be closed by said contact means of said first mentioned minimum time measuring device when returned to normal position by said minimum time measuring device being put out of operation upon termination of a dash.

2,083,850
GAME APPARATUS
George E. Macy, Chicago, Ill.
Application August 29, 1932, Serial No. 630,821
4 Claims. (Cl. 273—98)



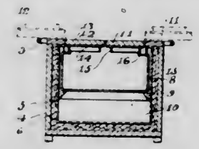
1. A game apparatus comprising a base, a vertical member mounted on said base, a tethered ball suspended from said vertical member, and a goal comprising a closed loop spaced laterally from said vertical member and disposed in a plane radial therefrom, said goal having laterally projecting arms diverging from said radial plane and secured at their ends to said base.

2,083,851
SPRAYING NOZZLE
Frank E. Marcy, San Diego, Calif.
Application October 8, 1935, Serial No. 44,090
2 Claims. (Cl. 299—140)



1. In a spray nozzle of the character described, a main section having a bore extending therethrough terminating in a nozzle outlet at one end, an injector nozzle mounted in the inlet end of said bore axially of and spaced from the walls thereof, said injector nozzle having an outlet of angular cross-section terminating intermediate the ends of said bore and said bore tapering from a point adjacent said injector outlet toward the nozzle end thereof, an inlet branch integral with said main section and having a passage opening into said bore and converging therewith in the direction of the outlet end thereof, and means providing a single air inlet opening into the bore of said main section between the inlet end thereof and the junction of said inlet branch therewith.

2,083,852
PORTABLE COOLING CABINET
Effie McClanahan, Jackson, Miss., assignor of one-fifth to Southern United Ice Company, Jackson, Miss., a corporation of New Jersey, and one-fifth to Lester W. Dawley, Jackson, Miss.
Application November 11, 1935, Serial No. 49,311
4 Claims. (Cl. 312—189)



1. In a device of the class described, a cabinet, a set of hinged doors at the top of said cabinet, the underside of said doors provided with flanges, a set of trays mounted in said cabinet, said trays provided with a bent over portion, said flanges adapted to rest on the bent over portions of said trays when the said doors are in a closed position.

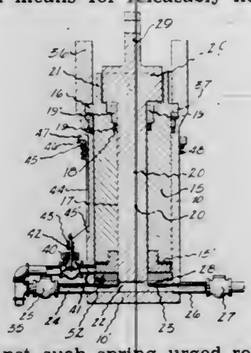
2,083,853
PROCESS FOR TREATING SOYA BEANS AND LIKE LEGUMES
Alfred H. McComb, Homewood, Ill.
No Drawing. Application April 20, 1934, Serial No. 721,437
5 Claims. (Cl. 99—98)

1. A process for preparing soya beans, which consists of imparting a limited quantity of water content to the soya beans and thereby expanding their cellular structures without destroying their inherent elasticity, submerging said beans in oil at a temperature of approximately 375° F., and causing said moisture content to be forced into and through their cellular structures, converted into steam and exploded therein, continuing said application of heat from the oil to the beans and contracting the expanded cellular structures, and then decreasing the temperature of said oil to approximately 275° F., until the beans acquire a substantially nut-like consistency.

2,083,854
HYDRAULIC PUMP
Robert E. McGee, Beeville, Tex.
Application September 12, 1935, Serial No. 40,208
4 Claims. (Cl. 103—37)

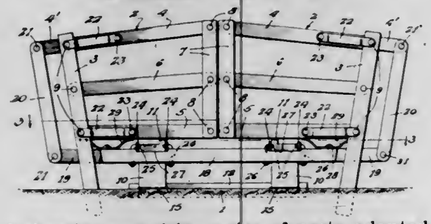
1. A hydraulic pump including, a cylinder having fluid therein, a piston slidable within said cylinder for displacing the fluid therefrom under a low pressure, a second piston smaller than the first piston for displacing the fluid from the cylinder under a high pressure, said pistons being rotatable in said cylinder means for connecting the pistons whereby they move as a single unit until the pressure built up by the movement of the first piston is equal to the force exerted by that piston after which time the second piston is actuated, a spring element for urging said pistons rotatably in one direction, pressure con-

trolled latch means for releasably holding said



pistons against such spring urged rotation and a single means for moving the pistons.

2,083,855
GATE
Alexander A. McReynolds, Eldorado, Okla.
Application May 22, 1936, Serial No. 81,328
3 Claims. (Cl. 39—48)

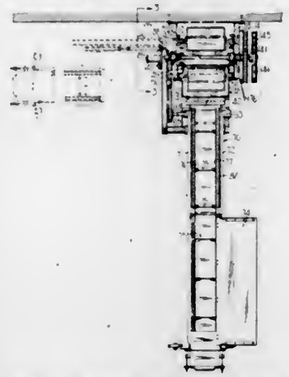


1. A gate comprising pairs of posts adapted to be mounted at opposite sides of a roadway, closures carried by the pairs of posts for extending towards each other across a roadway and each having vertically spaced horizontal bars pivoted between a companion pair of posts and a vertically extending bar pivoted to inner ends of the horizontal bars, one horizontal bar of each closure having an extension projecting outwardly from the companion pair of posts, a cross beam under the closures having its end portions engaged between the posts of each pair projecting outwardly beyond the posts, vertical links connecting end portions of the cross beam with the extensions of the closures, and gangways pivoted to the cross beam in overlying relation thereto between the posts and extending from opposite sides of the cross beam.

2,083,856
PURIFICATION OF ORGANIC OXY-COMPOUNDS
Richard Z. Moravec, Berkeley, and Theodore Evans and Cecil Humphreys, Martinez, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 24, 1935, Serial No. 28,162
18 Claims. (Cl. 260—134)

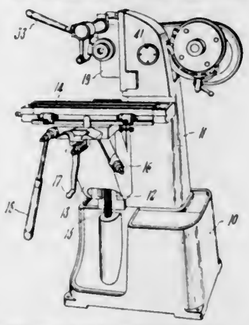
1. A process for the purification of neutral organic oxygen-containing alcohol derivatives contaminated with oxidizable sulphur-containing impurities which comprises contacting the oxy-compound in the liquid phase with an oxidizing agent at a temperature and for a time adequate to oxidize the sulphur-containing impurities without substantially acting upon the organic oxy-compound.

2,083,857
ELEVATOR
Leonard B. Neighbour, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Original application March 31, 1933, Serial No. 663,685. Divided and this application November 27, 1933, Serial No. 699,839
11 Claims. (Cl. 198—140)



1. An elevator for grain and the like, comprising a vertically disposed series of generally rectangular elevator buckets, a casing for the ascending flight of buckets, said casing comprising pairs of mating sections, one section of each pair being wider than the other section at the point of junction therewith and having interiorly facing shouldered portions at said points, whereby when said sections are secured together they form a generally rectangular space for the elevator buckets with closed chain receiving recesses at the points where the mating sections are connected, sprocket means mounted on the upper end of said casing, and chain means carried by said sprocket means and disposed in said recesses for supporting said buckets in said rectangular space.

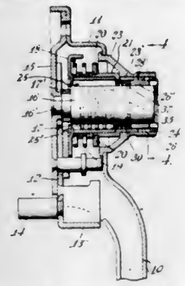
2,083,858
HAND-FED MACHINE TOOL
William H. Nichols, Waltham, Mass.
Application June 5, 1935, Serial No. 25,045
10 Claims. (Cl. 90—15)



6. A machine tool comprising a supporting structure having a rectilinear guide, a spindle carrier engaged with said guide and constrained thereby to travel in a given path, a lever having a pivot connection with said carrier, a fulcrum pivot for the lever movably mounted on the supporting structure with capability for moving bodily toward and away from the path of the carrier,

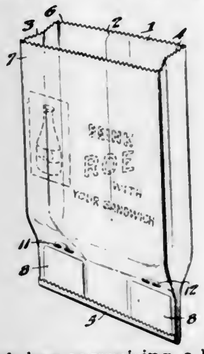
and being arranged to locate the fulcrum axis of the lever in a line transverse to both the path of the carrier and the displacement path of the pivot, said lever having an arm extending to the opposite side of the pivot from the carrier, a motor supported by said lever arm with provision for adjustment rotatably, a pulley driven and carried by the motor and located eccentrically of the center of such angular adjustment, a pulley connected with the spindle, and belting embracing said pulleys, the angular adjustment of the motor serving to regulate the tension of the belting.

2,083,859
PERMUTATION LOCK
Edwin North, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Illinois
Application February 20, 1935, Serial No. 7,381
13 Claims. (Cl. 70—319)



1. A lock structure comprising a plurality of permutation discs and one of the same having a portion providing a support, a knob rotatable on said support, and means providing a key-operated coupling between the said support and the said knob to permit changing the normal operative position of the said knob and the said one of the discs relative to each other.

2,083,860
SANDWICH BAG
William L. Offenbacher, Miami, Fla.
Application February 21, 1935, Serial No. 7,647
3 Claims. (Cl. 229—56)



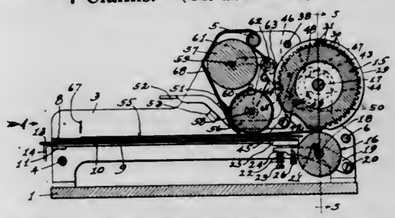
1. A sandwich bag comprising, a bag body having a closed bottom and an open top, a separate flat envelope-like container for seasoning and the like inserted in said bag body and located adjacent to the closed bottom, and a fastener secured through the bag body above the location of the container to restrain opening of the bag body to thus form a top closure for the lower portion of the bag body and retain the container therein and at the same time form a bottom closure for an upper portion of the bag body adapted to receive and hold a sandwich and the like.

2,083,861
SEPARATOR FOR WATER AND GASOLINE
Thomas Ransom Padgett, Gaffney, S. C.
Application November 5, 1935, Serial No. 48,390
2 Claims. (Cl. 210—60)



1. A liquid separator comprising a container divided by upper and lower horizontal partitions into upper, lower and intermediate chambers; a pipe near one side of the casing for conducting liquid to be separated from the upper chamber into the intermediate chamber; a series of vertical baffle plates supported by the lower partition and staggered in alternation horizontally in the intermediate chamber to force the liquid through a tortuous path from the said side toward the opposite side, the lower partition being provided near said opposite side with an aperture for conducting the heavier liquid to the lower chamber; a pipe extending upwardly from the lower chamber to a discharge outlet at slightly below the level of the top edges of said baffle plates; and an over-flow outlet from the intermediate chamber having its upper edge at such height above the said discharge outlet as to provide a hydrostatic head sufficient to cause flow of the heavier liquid through the lower chamber to the discharge pipe when the liquid level in the intermediate chamber is higher than said upper edge.

2,083,862
ROTARY PRINTING MACHINE
Sherman H. Paxton, Los Angeles, Calif.
Application May 3, 1933, Serial No. 669,173
7 Claims. (Cl. 101—245)



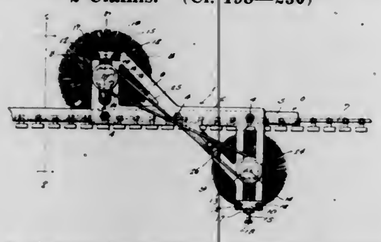
5. A printing machine comprising a frame, a rotary printing member mounted thereon, a relatively yieldable rotary impression member cooperating with the printing member for moving sheets of material thru the machine in a printing operation, a manually operable locking device engageable with and for limiting the rotation of the printing member to one revolution at each printing operation, a yieldably supported applicator inking roller engageable with the type faces of said printing member, a yieldably supported distributor roller engageable with said applicator roller, and means associated with said printing member for retracting said rollers from operative positions at a point near the completion of each printing operation, said last mentioned means being effective for first disengaging

the distributing roller from the applicator roller and subsequently disengaging the applicator roller from the printing member.

2,083,863
PROCESS OF TREATING CONCRETE AND THE LIKE
Johan Philip Pfeiffer, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 16, 1937, Serial No. 126,006. In the Netherlands March 10, 1936
3 Claims. (Cl. 34—24)

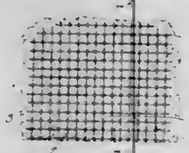
1. Process for the drying of silicic objects comprising immersing said object in water in a closed vessel, heating said vessel until a temperature in excess of 100° C., and a superatmospheric pressure is reached, removing the water from around said object while maintaining the pressure on said object, thereafter gradually reducing pressure whereby water is evaporated from said object.

2,083,864
CONVEYER CLEANER
Willard M. Puckett, Macon, Ga., assignor of one-half to J. M. Carswell, Macon, Ga.
Application April 7, 1936, Serial No. 73,171
2 Claims. (Cl. 198—230)



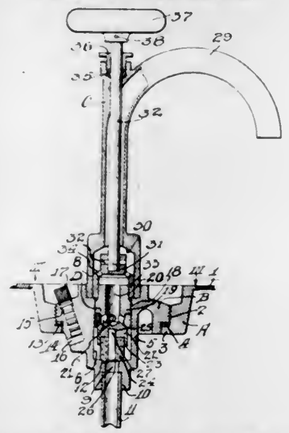
1. A cleaner for endless conveyers comprising a pair of substantially Z-shaped brackets, each bracket including a longitudinally extending member rigidly mounted on the conveyer, pairs of guides projecting laterally in opposite directions from the end portions of said member, bearings slidably mounted in the pairs of guides, shafts journaled in said bearings above and below the conveyer, brushes fixed on said shafts and operatively engaged with the top and bottom of the conveyer, means connecting the shafts together for rotation in unison in opposite directions, and means for slidably adjusting the bearings in the guides for shifting the brushes toward or away from the conveyer.

2,083,865
METHOD OF MAKING FILTER ELEMENTS
George C. Rensink, Denver, Colo.
Original application July 22, 1935, Serial No. 32,549. Divided and this application September 21, 1936, Serial No. 101,814
3 Claims. (Cl. 183—44)



2. The method of forming a filter element consisting of a thin sheet of fibrous filter material positioned between two or more sheets of woven wire, which comprises saturating the sheet with a strong solution of a soluble crystalline compound, evaporating the liquid, whereby the residue from the evaporation will be deposited on the fibers, assembling the filter element, and removing the soluble crystalline material by lixiviation.

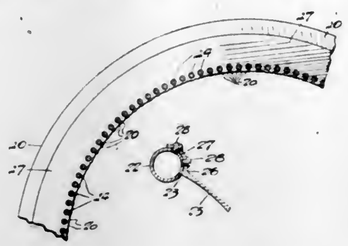
2,083,866
BARREL TAPPING MEANS
Frank E. Rice, Detroit, Mich., assignor to American Bush Company, Detroit, Mich., a corporation of Delaware
Application May 6, 1935, Serial No. 20,010
2 Claims. (Cl. 225—3)



1. A dispensing system for tapping beer barrels and the like including a bushing structure and a faucet structure, said bushing structure comprising two separable parts, one of which is provided with a central opening of substantial size, the other of which is removably arranged in said opening, said other part having a central bore and supporting a draught tube communicating with said bore, a stopper movable in said bore to open and close communication between said bore and tube, a plug threaded in said bore and connected to said stopper and rotatable for actuating it in the manner stated, said plug having a hollow interior above the stopper and having means providing flow communication with the interior from the exterior of the plug, said plug being normally disposed to close communication between the tube and bore, said faucet structure adapted to be applied to said bushing and being provided with a delivery tube adapted to receive fluid from the barrel when the stopper is moved away from closing position, said faucet structure having wrench means engageable with said plug to actuate it to open and close communication between the tube and bore, said wrench means having means for flow passage therethrough, and handle means on said faucet structure for actuating said plug by said wrench means.

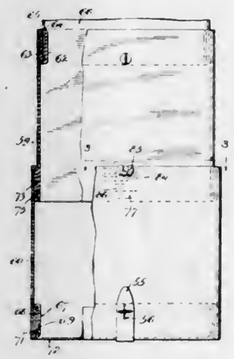
2,083,867
VEGETABLE WASHING MACHINE
Charles E. Rife, Baltimore, Md., assignor to The Sinclair-Scott Company, Baltimore, Md.
Application August 11, 1934, Serial No. 739,482
3 Claims. (Cl. 146—194)

1. In combination, an elongated cylindrical sieve comprising a plurality of drilled rings greater in diameter than two feet and a plurality of rods cold pressed thru the drilled holes and spaced apart not greater than a fifth of an inch with a tolerance of one per cent variance in spacing, a water pipe within the sieve having jet openings



therein, and baffles secured to the pipe adjacent the jet openings and so positioned as to project a continuous curtain of water at an angle of 45° against the bars of the sieve.

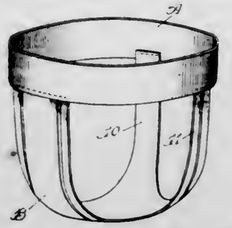
2,083,868
RECEPTACLE
George Rottman, Brooklyn, N. Y.
Application October 1, 1932, Serial No. 635,720
Renewed November 11, 1936
1 Claim. (Cl. 229—6)



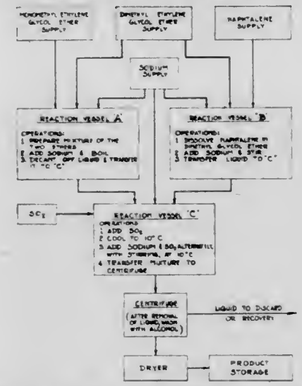
A receptacle including a body consisting of sections adapted to telescope in relation to each other, and means for locking said sections in relation to each other, including a plate having a depression and a slot adjacent said depression, said plate being attached to one of said body sections, a second plate and means for attaching it to another of said body members whereby said latter plate may slide in relation to its attaching means, a tongue carried by said latter plate and adapted to be projected through said slot of said first mentioned plate to hold said body members from telescoping.

2,083,869
SUPPORTER
Carl F. Schuessler, Chicago, Ill.
Application January 3, 1933, Serial No. 649,990
Renewed November 6, 1936
2 Claims. (Cl. 66—176)

1. In a supporter garment, a belt, a strip of fabric having one end furcated, each of the ends of the fabric being secured to the belt, said fabric being formed of parallel courses of stitches extending transversely of the fabric, the stitches in the central portion of each course being relatively long and the stitches in the border portions of each course being relatively short.

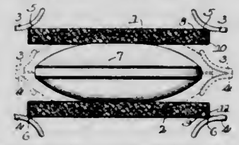


2,083,870
PREPARATION OF SODIUM HYDROSULPHITE
Norman D. Scott, Joseph Frederic Walker, and Virgil L. Hansley, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 25, 1935, Serial No. 23,522
16 Claims. (Cl. 23—116)



10. The process comprising reacting sulphur compounds selected from the group consisting of sulphur dioxide and the alkyl alkali metal sulphites with an alkali metal addition compound of an organic compound selected from the group consisting of polycyclic aromatic hydrocarbons, diaryl ketones, anthraquinone, esters of aromatic acids, aryl alkyl ketones having a tertiary carbon atom adjacent to the carbonyl group, dialkyl ketones having two tertiary carbon atoms adjacent to the carbonyl group and alkyl derivatives of these compounds.

2,083,871
TOILET ARTICLE AND METHOD OF MAKING SAME
Albert E. Serewicz, Chicago, Ill., assignor of one-half to Willis P. Wrisley, Park Ridge, Ill.
Application May 20, 1935, Serial No. 22,424
5 Claims. (Cl. 15—122)



1. A toilet article comprising a water-soluble toilet medium, an envelope of sheet-like spongy

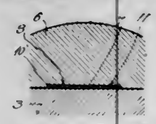
rubber enclosing said medium, the sheet-like material being of approximately uniform thickness throughout and of sufficient porosity to afford facile passage of water through the envelope, said material having two sets of marginal edges each arranged at approximately right angles to the surfaces of the material, portions of said material contiguous to said edges being permanently curved from the planes of said surfaces, with the surfaces of adjacent marginal edges in abutted relation, and a sealing material permanently uniting said abutted edges in such manner as to maintain the angular relation of the curved portions with respect to the other portions of the envelope, the marginal edges of the envelope being provided with an internal curvature.

2,083,872

UMBRELLA HANDLE OR THE LIKE AND IDENTIFICATION MEANS THEREFOR

Milton H. Siegel, Baltimore, Md.

Application November 4, 1936, Serial No. 109,171
3 Claims. (Cl. 40—2.2)



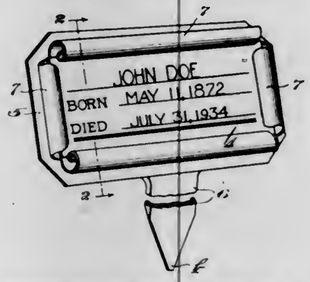
2. A device of the character described comprising a body, a cap of transparent material at the upper end of said body, and an insignia element between the cap and the upper end face of the body, said insignia element being adheringly secured to the upper face of the body and formed with bevelled marginal faces, and the under face of the cap being formed with a recess formed with sloping marginal walls and conforming to the outline of the insignia element whereby the insignia element fits snugly into the recess and serves as an anchor for the cap when the cap is applied to the upper face of the body and adheringly secured thereto.

2,083,873

INSCRIPTION TABLET MOUNTING

Edward C. Sisson and Jefferson D. Stokes, Dallas, Tex.

Application December 4, 1934, Serial No. 755,938
1 Claim. (Cl. 40—124.5)



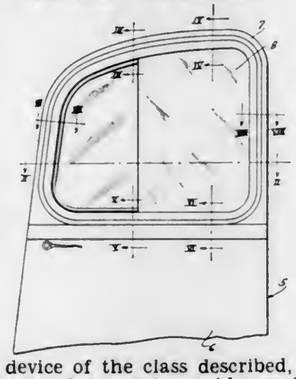
The combination with a tablet, of a holder comprising a plate having resilient rolled edges extending inwardly to overhang the marginal edges of the tablet, and being normally spaced from the body of the plate less than the thickness of the tablet to hold the same in intimate contact with the plate, said rolled edges being adapted to flex outwardly when the tablet is applied to or removed from the holder.

2,083,874

AUTOMOBILE AIR VENTILATION

Frederick A. Smith, North Chicago, Ill., assignor, by mesne assignments, to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York

Application November 20, 1933, Serial No. 698,798
Renewed September 23, 1935
15 Claims. (Cl. 296—84)



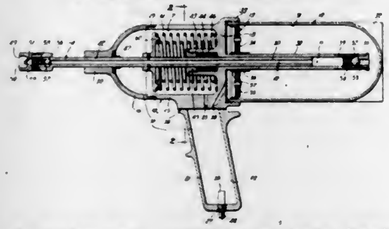
1. In a device of the class described, a metal reveal for a window opening, said reveal including an inner marginal flange reversely disposed about a portion of the window opening to provide a seat for a closure element, said flange about another portion of the window opening being disposed outwardly from the window and having a vertically disposed flange thereon providing a seat for an air deflector.

2,083,875

LUBRICATING DEVICE

Neil V. Smith, Los Angeles, Calif., assignor to Smith-Johnson Corporation, Los Angeles, Calif., a corporation of California

Application November 20, 1934, Serial No. 753,865
14 Claims. (Cl. 221—47.4)



1. A grease gun including, a body having a lubricant cylinder, there being a chamber in the body forming a reservoir for holding air under pressure, a lubricant container attached to the body, means actuated by air under pressure from the reservoir for forcing a charge of lubricant from the container into the cylinder, and a plunger operable in the cylinder and projecting from the body for engaging the part to be lubricated, the body and plunger being related for relative longitudinal movement.

2,083,876

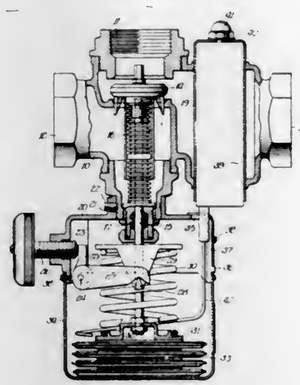
THREE-WAY MIXING VALVE

Morton O. Snediker, Chicago, Ill., assignor to The Powers Regulator Company, Chicago, Ill., a corporation of Illinois

Application September 4, 1936, Serial No. 99,385
7 Claims. (Cl. 236—12)

1. In a fluid mixer, the combination of a casing having hot and cold fluid inlets and an outlet

for the mixed fluids, a tube projecting across said outlet, a valve for proportioning the admission of the hot and cold fluids, a shell separably connected to the casing, a bellows within the shell and connected to the valve for operating the



same, and a bulb connected to the bellows, said bulb being removably mounted in said tube, whereby said shell, bellows and bulb may be separated from the casing without opening said casing.

2,083,877

DEHYDROGENATION OF ALCOHOLS

Leo V. Steck, Piedmont, William Engs and Martin de Simó, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 18, 1935, Serial No. 41,136
20 Claims. (Cl. 260—134)

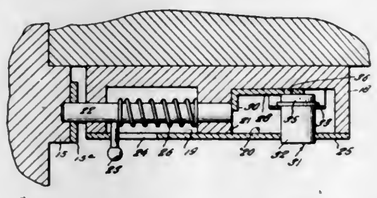
1. A process for the production of a dehydrogenation product of an alcohol which comprises contacting a monohydric alcohol of the class consisting of primary alcohols containing at least three carbon atoms and secondary alcohols with a dehydrogenation catalyst containing at least one heavy metal selected from Groups 1, 2, 7 and 8 of the Periodic System at a temperature favorable to dehydrogenation but below the temperature at which substantial dehydration occurs and under a pressure not substantially less than two atmospheres but below the pressure at which substantial condensation occurs.

2,083,878

SASH LOCK

Albin P. Swanson, Mount Jewett, Pa.

Application March 10, 1936, Serial No. 68,116
1 Claim. (Cl. 70—90)



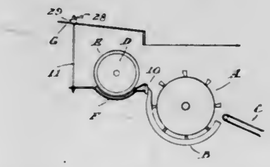
In a structure of the class described, a casing, a knob equipped spring pressed locking bolt slidably mounted in said casing, a substantially U-shaped clip mounted in said casing and constituting an adapter, an L-shaped slide having one end engageable with the inner adjacent end of said locking bolt and having the opposite end slidable through the arch defined by said U-shaped clip, a sleeve attached to said U-shaped clip and arranged at right angles to the major portion of the slide, a barrel mounted for oscillation in said sleeve, said barrel including an eccentric pin, said slide having a transverse slot in which said pin is operable in the manner and for the purposes described.

2,083,879

ATTACHMENT FOR THRESHING MACHINES

Roland Thompson, Staples, Ontario, Canada

Application October 19, 1934, Serial No. 749,117
1 Claim. (Cl. 130—2)



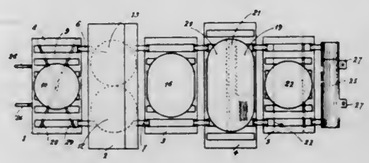
In a threshing machine including a threshing cylinder, a concave therefor and a beater drum, clover hulling means mounted on said beater drum, a concave associated with said beater drum and a substantially vertical baffle board co-operating with the threshing cylinder, the beater drum and the associated concaves to cause the clover to travel from the threshing cylinder to the beater drum, the upper edge of said baffle board being sloped and forming a continuation of the threshing cylinder concave.

2,083,880

BRACELET

Emma Elisa Tourot, Paris, France

Application June 18, 1936, Serial No. 85,989
In France June 22, 1935
4 Claims. (Cl. 63—3)



1. A bracelet which comprises, in combination, a plurality of plates hinged to one another, and articles of current use fixed to the outer faces of said plates.

2,083,881

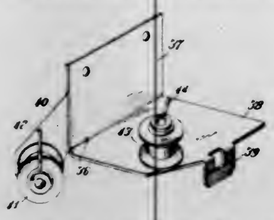
VENETIAN BLIND

William Wade, Chicago, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Delaware

Application October 10, 1935, Serial No. 44,403
5 Claims. (Cl. 156—17)

1. In a blind of the character described, a bracket member comprising a casing engaging

portion provided with a chain guide carrying extension, a horizontally disposed chain guide



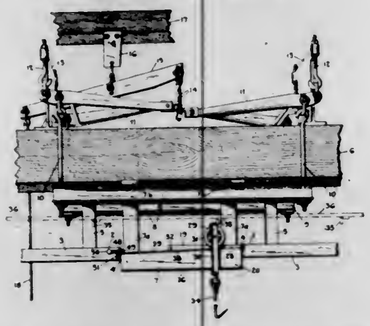
carrying portion and provided with a trunnion receiving apertured extension.

2,083,882

FRICTION ELIMINATING UNIT FOR MOTION WEIGHING SUSPENSION SCALES

Willard H. Ward, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a corporation of Vermont

Application December 31, 1935, Serial No. 56,961
20 Claims. (Cl. 265—27)



1. In a device of the character described, weighing mechanism, a suspended main track provided with an incoming section and an outgoing section and an intervening open space therebetween, and a yieldable section of track suspended from the weighing mechanism, disposed in the said open space and provided with a slidable or floating carriage.

2,083,883

SYNTHETIC RESINOUS MATERIALS AND PROCESS OF PREPARING THE SAME

Hein Israel Waterman, Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 10, 1936, Serial No. 89,999. In the Netherlands July 16, 1935
18 Claims. (Cl. 260—2)

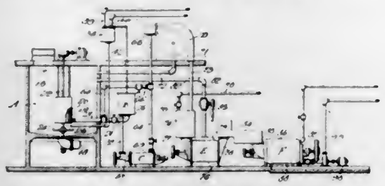
1. A process for the production of a valuable synthetic resinous material which comprises treating a hydrocarbon mixture essentially comprising a substantial amount of at least one member of the class consisting of unsaturated cyclic hydrocarbons and of naphthenes with chlorine until the mixture contains a substantial chlorine content, reacting the chlorinated mixture with a non-chlorinated hydrocarbon mixture essentially comprising a substantial amount of at least one member of the class consisting of unsaturated cyclic hydrocarbons and of naphthenes in the presence of a condensing agent, and separating the resinous reaction product from the reaction mixture.

2,083,884

WASTEPAPER DE-INKING AND DE-FIBERING PROCESS AND APPARATUS

Harold Donald Wells, Glens Falls, N. Y.

Application September 24, 1932, Serial No. 634,748
26 Claims. (Cl. 92—20)



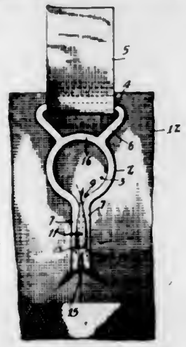
1. A process of de-fibering and de-inking waste papers, comprising the steps of submerging and pulping the papers in a detergent solution to continuously form a thin fluid, continuously discharging a stream of this fluid from the solution container and screening it before discharge to leave all screen rejections in said container for further pulping, adding detergent solution to said container as needed to maintain the consistency of the discharging stream of fluid, continuously subjecting the pulp in the flowing stream to a myriad of pressure-rolling operations to hydrate and de-fiber the same and reduce dirt and ink in the stream to fine particles, and continuously removing dirt and ink particles and detergent from the flowing stream.

2,083,885

FASTENER

Earl A. Wheeler, Maywood, Calif., assignor to Lillian Mae Rae, Huntington Park, Calif.

Application July 15, 1935, Serial No. 31,313
Renewed November 9, 1936
4 Claims. (Cl. 24—264)



4. A fastener to be secured to a fabric, having a slot to receive a fold of a fabric and having a second open slot located out of the plane of the first-named slot and operating to receive the fold of the fabric and holding the same.

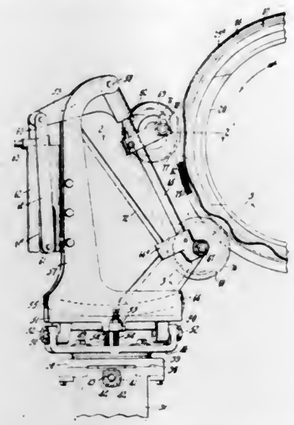
2,083,886

SPRING BELT STITCHER

John W. White, Wadsworth, Ohio, assignor to Paul A. Frank, Akron, Ohio

Application September 29, 1934, Serial No. 746,077
14 Claims. (Cl. 154—10)

1. Tire building apparatus comprising a stitching tool consisting of an endless, flexible, extensible structure, and a pair of sheaves supporting said structure, one of said sheaves having a circumferential flange forming a stitching disc ex-



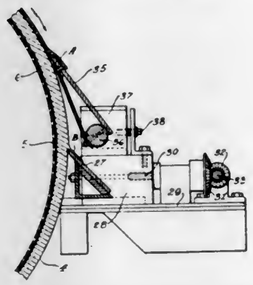
tending beyond the adjacent outer portion of said structure.

2,083,887

PROCESS AND APPARATUS FOR FILTERING

Henry A. Wieneke, St. Louis, Mo.

Application July 5, 1933, Serial No. 679,063
6 Claims. (Cl. 210—201)



1. In the art of filtering liquids containing entrained matter of colloidal size, the process comprising, preparing a multifold precoat of filter aid material of a character such that penetration of colloidal matter is restricted to the surface layers thereof, moving the multifold precoat through a bath of the liquid to be filtered to successively expose sections of the precoat to the liquid, forcing the liquid into the precoat as sections thereof are exposed to the liquid, and, between successive exposures of each section, shaving a fractional part of the multifold precoat therefrom, whereby upon each exposure of the precoat sections to the liquid a filter surface substantially unloaded of colloidal matter is presented.

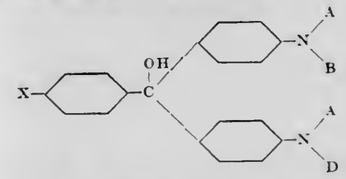
2,083,888

PRODUCTION OF DYESTUFFS OF THE TRIARYLMETHANE SERIES

Carl Winter and Paul Krebs, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 27, 1935, Serial No. 23,792. In Germany June 6, 1934
7 Claims. (Cl. 260—67)

1. Dyestuffs of the triaryl methane series corresponding to the general formula:

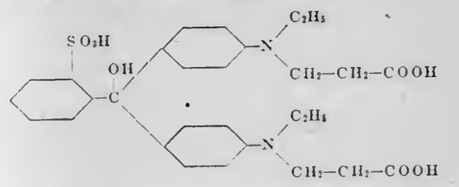


wherein A is selected from the group consisting of hydrogen, alkyl and aralkyl, B is selected from the group consisting of $-CH_2CH_2CN$, CH_2CH_2COOH and aralkyl, D is selected from the group consisting of hydrogen, $-CH_2CH_2CN$, $-CH_2CH_2COOH$ and aralkyl and X is selected from the group consisting of hydrogen, chlorine, sulfonic acid and

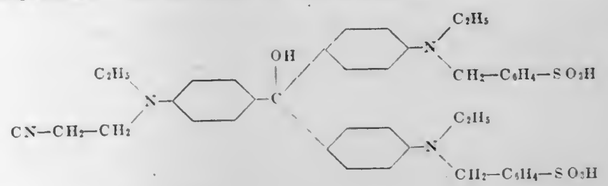


wherein A and D have the same meaning as given above, at least one of the positions marked B and D being substituted by one of the radicles of the group consisting of $-CH_2CH_2CN$ and $-CH_2CH_2COOH$.

5. The dyestuff of the triaryl methane series corresponding to the formula



7. The dyestuff of the triaryl methane series corresponding to the formula



2,083,889

OXIDATION RESISTANT CABLE

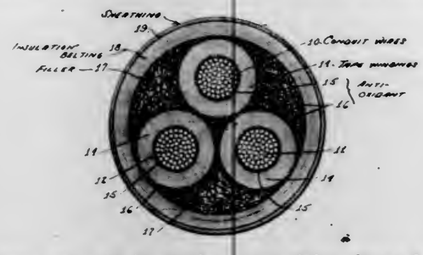
Kenneth S. Wyatt, Detroit, Mich., assignor to The Detroit Edison Company, Detroit, Mich., a corporation of New York

Application October 16, 1933, Serial No. 693,697
13 Claims. (Cl. 173—266)

1. An electrical cable comprising an electrical conductor, layers of insulation material sur-

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rounding said conductor, an anti-oxidant compound dispersed throughout inner and outer



layers of said insulation material only and an outside covering for said cable.

2,083,890

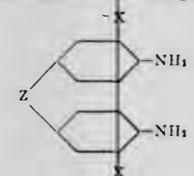
DIAMINO COMPOUNDS AND PROCESS OF MAKING SAME

Werner Zerweck and Ernst Korten, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

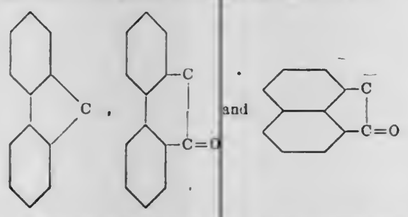
No Drawing. Application December 31, 1935, Serial No. 57,006. In Germany December 8, 1934.

5 Claims. (Cl. 260—130.5)

2. Diamino compounds of the general formula:



wherein Z stands for an aromatic, at least trinuclear radical containing a member of the group consisting of the carbon skeletons:



and X stands for one of the group consisting of hydrogen, methyl and methoxy, which basic condensation products are soluble in acids and contain diazotizable amino groups.

2,083,891

SULPHUR DYESTUFFS DERIVED FROM INDOPHENOLS

Werner Zerweck, Frankfort-on-the-Main-Fechenheim, and Wilhelm Hechtenberg, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application August 5, 1936, Serial No. 94,338. In Germany August 9, 1935

4 Claims. (Cl. 260—19)

1. Sulphur dyestuffs obtained by treating with a sulphurizing agent, according to the method customary for the manufacture of sulphur dyestuffs, a compound selected from the group consisting of leucoindophenols of the general formula:

$$(R_1O)_n\text{—alkyl—}\underset{\displaystyle R_2}{\overset{\displaystyle |}{N}}\text{—}R_3\text{—NH—}R_4\text{—OH}$$

and of indophenols of the general formula:

$$(R_1O)_n\text{—alkylene—}\underset{\displaystyle R_2}{\overset{\displaystyle |}{N}}\text{—}R_3\text{—N=}R_4\text{=O}$$

whereby in both formulae R_1 stands for a member selected from the group consisting of hydrogen and alkyl, n means 1 or 2, R_2 stands for a member selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkoxyalkyl, aralkyl, cycloalkyl, and phenyl, R_3 stands for a radicle selected from the group consisting of the benzene and naphthalene series, and R_4 means a radicle of the benzene series, the OH- and —NH-group being attached to R_3 and R_4 respectively in the p-position, which dyestuffs dye the vegetable fiber from the sodium sulphide bath greenish blue to green shades of very good levelling power and good fastness to washing.

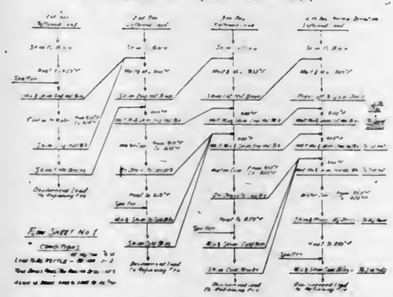
2,083,892

DESILVERIZING LEAD BULLION

Frederick P. Clark, East Chicago, Ind., assignor to International Smelting and Refining Company, East Chicago, Ind., a corporation of Montana

Application June 26, 1935, Serial No. 28,451

8 Claims. (Cl. 75—79)



1. In lead bullion desilverizing operations involving the treatment of successive batches of bullion with zinc while molten to produce silver-zinc dross, the improvement which comprises incorporating in a batch of bullion undergoing treatment the silver-zinc dross produced in treating one or more preceding batches of bullion, thereby to increase the proportion of silver in the bullion undergoing treatment, removing dross from the bullion undergoing treatment at a temperature of about 900° F., cooling the residual bullion, removing a rich silver dross from the cooled bullion, and utilizing the dross obtained prior to cooling in the treatment of additional bullion.

2,083,893

SOLVENT REFINING MINERAL OIL

Louis A. Clarke, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application April 17, 1935, Serial No. 16,799

15 Claims. (Cl. 196—13)

1. In the refining of mineral lubricating oil containing relatively paraffinic and relatively non-paraffinic constituents, to separate therefrom a paraffinic fraction of relatively high viscosity index, the method which comprises mixing the oil with an aromatic amino ether having the character and solvent action of anisidine and phenetidine, forming an extract phase containing relatively non-paraffinic constituents of the oil dissolved in the solvent liquid and a raffinate phase comprising the relatively paraffinic constituents of the oil, separating the two phases and removing the solvent liquid therefrom.

2,083,894

PROCESS FOR THE TREATMENT OF SULPHUR COMPOUNDS

Gerald C. Connolly, Baltimore, Md., assignor to Sulco Laboratories, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 21, 1933, Serial No. 703,408

9 Claims. (Cl. 23—3)

1. A process for the treatment of gases containing sulphur compounds of the class consisting of hydrogen sulphide and organic compounds of sulphur which comprises passing said gases in admixture with a reacting gas at reaction temperatures in contact with a catalyst mass comprising an active catalyst impregnated into a hydrous oxide gel carrier having an apparent density of about 0.5 when measured on particles of 8–14 mesh in size, said gel carrier having pores so large that it exhibits substantially no absorptive capacity for water vapor at 30° C. and 22 mm. of pressure, said pores being of a size similar to those produced in a hydrous oxide of silica when it is immersed in a calcium chloride solution of a concentration such that 35–40% of the calcium chloride is impregnated therein and the hydrous oxide containing the salt is then dried, washed with hot water until the calcium chloride is removed, and the product is dried and activated by heating.

2,083,895

CATALYTIC PROCESS FOR THE CONVERSION OF SULPHUR COMPOUNDS

Gerald C. Connolly, Baltimore, Md., assignor to Sulco Laboratories, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 21, 1933, Serial No. 703,409

7 Claims. (Cl. 23—3)

1. A process for the treatment of gases containing sulphur compounds of the class consisting of hydrogen sulphid and organic compounds of sulphur which comprises passing said gases in admixture with a reactive gas at reaction temperatures in contact with a catalyst mass containing a leached base exchange body having an apparent density of between 0.4 and 0.8 when of 8–14 mesh particle size, impregnated with an active catalyst in amounts of 5% to 20% by weight, and at repeated intervals passing heated oxygen containing gases through the catalyst at temperatures sufficient to remove contaminating impurities.

2,083,896

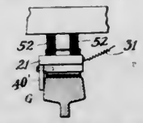
RAIL FLAW DETECTOR MECHANISM

Harcourt C. Drake, Hempstead, and Abraham Winburn, Brooklyn, N. Y., assignors to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application May 3, 1932, Serial No. 608,890

5 Claims. (Cl. 175—183)

1. In a flaw detector car having mechanism for detecting flaws in rails and the like, said mechanism comprising a search unit adapted to be moved along the rail, and means for supporting said search unit solely by resilient means,



said search unit having means engaging the rail for preventing movement of the unit laterally of the rail.

2,083,897

LAST JACK

John T. Drohan, Cambridge, Mass.

Application November 27, 1936, Serial No. 112,877

9 Claims. (Cl. 12—123)



1. A last jack having, in combination, a support, an expandible and contractible last gripping member rotatably mounted thereon and having a plurality of resilient gripping portions embodied therein, a wedge movable axially between said gripping portions and adapted to spring the latter outwardly into frictional engagement with a last mounted thereon, and friction means to retard the rotative movement of said last gripping member.

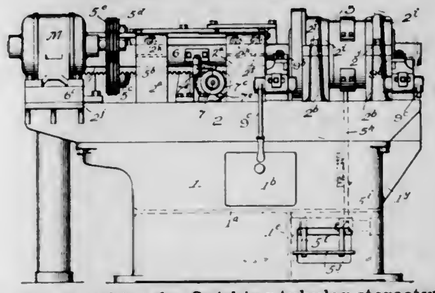
2,083,898

PLATE FINISHING AND TRIMMING MACHINE

Edmund W. Dean, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan

Application December 20, 1935, Serial No. 55,466

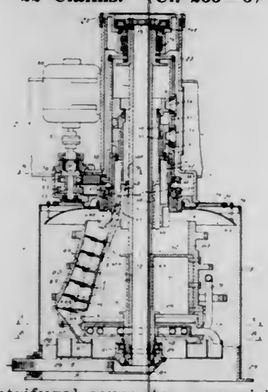
13 Claims. (Cl. 29—21)



1. In a machine for finishing tubular stereotype plates; a rotatable plate holder, a gear thereon, a bar extending axially through said plate holder, a plate trimmer slidably mounted on said bar, a rack bar connected with said trimmer, a shaft disposed transversely of said bar, a pinion loosely mounted on said shaft, a clutch member on said shaft adapted to engage the pinion, a worm gear on said shaft, a driven shaft parallel with the bar, a worm on said shaft meshing with said worm gear, a pinion on said driven shaft meshing with the gear on the plate holder, a pulley loosely mounted on said driven shaft, means for driving said pulley, a clutch member splined on

said driving shaft adapted to engage said pulley, and a treadle and connections whereby said clutch member may be thrown into and out of engagement.

2,083,899
APPARATUS FOR CENTRIFUGAL SEPARATION
Alfred E. Duerig, Haddonfield, N. J., assignor to The Centrifuge Company, East Orange, N. J., a corporation of New Jersey
Application November 30, 1932, Serial No. 644,997
22 Claims. (Cl. 233—3)



1. A centrifugal separator comprising a drum rotatable about a vertical axis, said drum being open at the top, flaring downwardly and having its inner surface subdivided into longitudinal pockets parallel to said axis, an arm for each pocket having a pivotal support near its upper end rotatable about the axis of the drum, a scraper on each arm arranged to move upwardly over a surface of one of the pockets, means for imparting a vertical reciprocation to said arms, and means for holding the arms inwardly during the downward movement of the reciprocation.

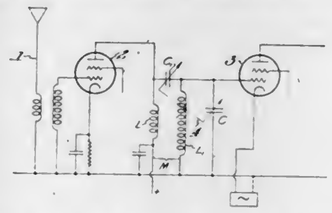
2,083,900
PAVEMENT AND METHOD OF MAKING PAVEMENTS
Alfred R. Ebberts and Edmund Johnstone, New York, N. Y., assignors to Colprovia Roads, Inc., New York, N. Y., a corporation of New York
Application June 6, 1933, Serial No. 674,480
16 Claims. (Cl. 94—23)



1. A pavement comprising a plurality of courses containing aggregate and bituminous binder for the aggregate, the binders for the aggregates in different courses having substantially different penetrations and a sub-course of said pavement containing a binder which has a substantially greater penetration than the binder for the surface course.

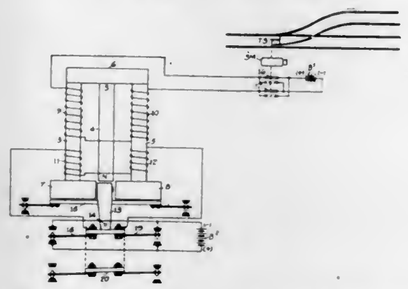
2,083,901
SELECTIVE COUPLING CIRCUITS
Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 13, 1931, Serial No. 574,864
5 Claims. (Cl. 250—20)

1. In a transmission system adapted for the selective transmission of alternating currents and having a pair of input and a pair of output terminals, one input terminal being in common with one output terminal, the combination with a coil and a tuning condenser connected in parallel across one of said pairs of terminals and forming a tunable circuit adjustable to provide maximum transmission for currents of a desired frequency and comprising the only tunable circuit connected across said terminals, and a second coil connected between the other pair of terminals and having mutual electromagnetic coupling to



said first coil, of additional means coupling said coils to effect a maximum attenuation at a frequency differing from said desired frequency, said means comprising a capacity connected between points on said coils of substantially different alternating current potential, said capacity having such a value that the voltage induced in said second coil due to its inductive coupling with the first coil for currents of the undesired frequency is neutralized by the voltage induced therein by currents of the undesired frequency transmitted through said capacity.

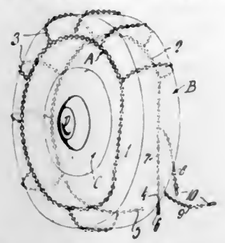
2,083,902
RELAY
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 24, 1933, Serial No. 672,650
16 Claims. (Cl. 175—320)



1. In a relay, a first winding, a polarized armature responsive to the direction of current in said first winding, a second winding, means for selecting a direction of current in said second winding corresponding to the position of said polarized armature, and a neutral armature attractable only when the direction of current in said second winding corresponds to the direction of current in said first winding.

2,083,903
TIRE CHAIN
William G. Fitz Gerald, Tarrytown, N. Y.
Application April 27, 1936, Serial No. 76,516
6 Claims. (Cl. 152—14)

1. A tire chain comprising side chains and cross chains, one of said side chains being continuous, and at least one of said cross chains



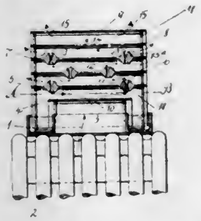
being detachably engageable with one of said side chains to take up slack in said side chains.

2,083,904
SURGICAL APPLIANCE
William Jerome Fox, Philadelphia, Pa., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 11, 1935, Serial No. 20,937
3 Claims. (Cl. 66—178)



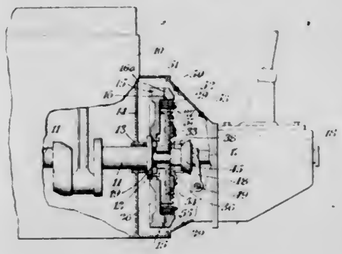
1. A knit surgical appliance comprising two seamless tubular portions integrally connected by continuous knitting throughout a part of the circumference thereof, one of said tubular portions having a longitudinal extension integrally connected thereto by continuous knitting and extending therefrom between said portions and being provided with lateral selvage edges, and means connecting said lateral edges to adjacent edge portions of the other of said tubular portions, said tubular portions and said extension having an elastic strand confined within the knit fabric between stitches thereof and said strand having return bends at said selvage edges.

2,083,905
AIR MOISTENER
Carl Grab, Ludwigshafen, Germany
Application September 29, 1934, Serial No. 746,057
In Germany December 17, 1932
3 Claims. (Cl. 261—104)



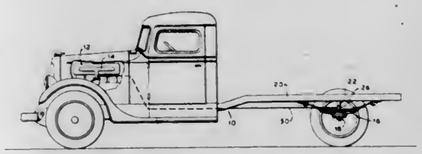
1. An air moistener for heating appliances of the radiator type comprising a casing of substantially rectangular form having a central air flue open at top and bottom and a water reservoir located outside of said flue, a plurality of superimposed U-shaped sheets of absorbent material arranged above and over said flue and having their ends depending into said reservoir, said sheets being spaced whereby a plurality of air channels open at their ends are formed, and a ventilator in said flue for substantially vertically forcing the air to be moistened through the apparatus, said casing being adapted to rest on the heating appliances.

2,083,906
CLUTCH MECHANISM
Charles Grimm, Brooklyn, N. Y.
Application June 9, 1936, Serial No. 84,254
3 Claims. (Cl. 192—76)



1. A clutch mechanism comprising in combination, a power input shaft, a power output shaft, a flywheel secured to the power input shaft having a flange forming an internally disposed cylindrical surface, a mounting plate secured to said output shaft, independent clutch shoe supporting members on said mounting plate movable radially, clutch shoes on said supporting members adapted to frictionally engage said cylindrical surface, spring means associated with each of said shoe supporting members urging engagement of the shoes with said cylindrical surface, and exposed adjusting means associated with said spring means on said supporting members and for varying the pressure of said springs whereby the pressure of engagement of each of said clutch shoes with said cylindrical surface is independently adjustable with said elements in operatively assembled relationship.

2,083,907
METHOD AND APPARATUS FOR REGULATING CARBURETOR MIXTURES
William Harrigan, Rutherford, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application January 2, 1936, Serial No. 57,320
4 Claims. (Cl. 180—82)

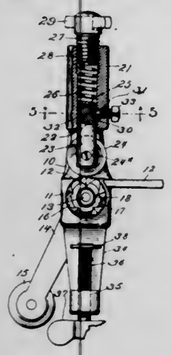


1. In an automobile having an internal combustion engine and an intake manifold therefor, a pipe connecting with the manifold for admitting air thereto and a valve responsive to the weight of the load carried by the automobile for regulating the passage of air through said pipe to said intake manifold.

2,083,908
METHOD OF PREPARING 9-AMINO-3,6-DIMETHOXY-10-METHYL-ACRIDINIUM CHLORIDES
Sahachiro Hata, Konomu Matsumura, and Kiyoyuki Ishihara, Tokyo, Japan
No Drawing. Application March 16, 1934, Serial No. 715,914. In Japan March 23, 1933
2 Claims. (Cl. 260—36)

2. Method of preparing 3,6-dimethoxy-10-methyl-acridinium chloride, having the R—NH radical in 9-position carbon, which consists in causing 3,6-dimethoxy-9-chlor-10-methyl-acridinium chloride obtained by the reaction of 3,6-dimethoxy N-methyl acridone with phosphorus pentachloride, to react with 3 molecular weights of a compound of formula RNH_2 wherein R is selected from the group consisting of hydrogen and alkyl and then acidifying the product thus obtained with hydrochloric acid.

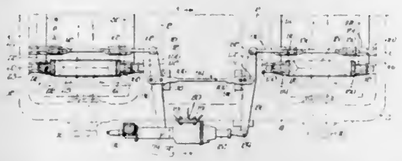
2,083,909
PINKING MACHINE
Robert J. Hearne, New York, N. Y.
Application September 8, 1936, Serial No. 99,738
6 Claims. (Cl. 164—64)



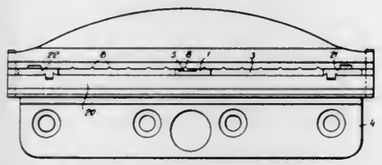
6. In a pinking or similar machine, the combination with a frame, a horizontal work plate rigid with the frame and having a slot, of a cutter having a rotary operating shaft journaled in the frame, the cutter entering the slot, of a hollow guide member rigid with the frame and extending upwardly above the cutter, a plunger guided in the hollow of said member, an anvil roller journaled removably in the lower end of the plunger, the cutter and roller arranged to rotate in a common plane, an adjustable spring located in the hollow and acting downwardly on the plunger to press the roller against the cutter for rotation thereby, and means for maintaining the roller in said common plane, the plunger being removable upwardly through the hollow when the anvil roller is detached therefrom and without disturbing such maintaining means or the cutter shaft.

2,083,910
UNIT CYLINDER DRUM BRAKE
William C. Hedgcock, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 8, 1936, Serial No. 99,772
20 Claims. (Cl. 188—58)

1. In a brake rigging for a railway car truck the combination of a truck frame, power means mounted thereon, wheel and axle assemblies associated therewith, brake drums mounted on said axles adjacent each of said wheels, hangers hung from said frame and supporting brake beams outwardly of said wheels, other brake beams supported intermediate said wheels, brake shoes carried by said beams and having braking engagement at opposite sides of each of said drums, dead truck levers supported at their lower ends on said beams outwardly of said wheels and fulcrumed at their upper ends from said frame, live truck levers supported at their lower ends from said beams intermediate said wheels, pull rods connecting said live and dead truck levers for each wheel, and live and dead cylinder levers having their outer ends connected respectively to the opposite ends of said power means and their inner ends connected respectively to said live truck levers.



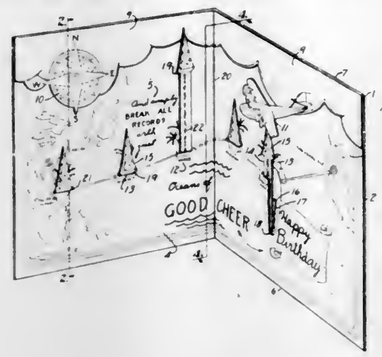
2,083,911
LINER FOR TYPE SLUG CASTING MACHINES
Johan Walfrid Hemlin, Stockholm, and Carl Arvid Andersson, Sundsvall, Sweden
Application July 3, 1934, Serial No. 733,550
In Germany July 17, 1933
4 Claims. (Cl. 199—58)



1. The combination with a mold having a slot with opposed sides and spaced grooves on one side opening on the edge of the slot, of a movable liner having a spring secured thereto adapted frictionally to engage one side of the slot so as to maintain the liner in engagement between the opposed sides of the slot, said liner being reciprocable in the longitudinal direction of the slot and having a recess adapted to be filled out with type metal to be rigidly connected to the slug at the side of the liner, said recess having a width greater than the distance between two consecutive grooves.

2,083,912
GREETING CARD
Margaret Louise Johntz, Kansas City, Mo., assignor to Hall Brothers, Inc., Kansas City, Mo., a corporation of Missouri
Application December 14, 1936, Serial No. 115,705
9 Claims. (Cl. 40—65)

1. An article of the character described including a blank cut to provide backing and inner members, a pocket formed by the inner and backing members having an opening, and a greeting bearing member in the pocket projecting through the opening, said greeting bearing member having a body portion formed from the material of the blank and doubled upon itself to render same substantially rigid.



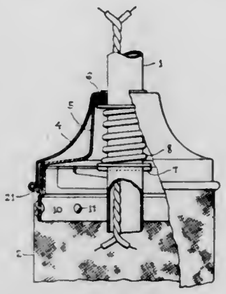
2,083,913
INGOT FOR TYPESETTING MACHINE FEEDERS
Albert H. Jung, New York, N. Y., assignor to United American Metals Corporation, Brooklyn, N. Y., a corporation of New York
Application December 10, 1936, Serial No. 115,077
3 Claims. (Cl. 22—218)



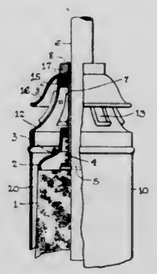
1. An elongated ingot having a bifurcated end portion providing a pair of transversely spaced elongated arms adapted to receive a hook therebetween, and hook-engaging lugs integral with and projecting inwardly from the arms, each of said lugs being shorter, narrower and thinner than the arm from which it projects.

2,083,914
FILTER TOP FOR VACUUM CLEANERS
Ward Leathers, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y., a corporation of Delaware
Application February 24, 1936, Serial No. 65,395
2 Claims. (Cl. 183—51)

1. In a vacuum cleaner, a motor-blower-unit, a dirt-receptacle, a filter disposed above said receptacle, an air duct at the side of said receptacle leading from said unit to said filter, a handle passing through said filter and rigidly joined to said unit, a solid cap firmly joined to the top of said filter and slidably supported on said handle, and with all the above recited elements substantially annular and co-axial, with a spring supported on said handle and exerting an upward pressure on said cap.



2,083,915
COVERED FILTER FOR VACUUM CLEANERS
Ward Leathers, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y., a corporation of Delaware
Application February 24, 1936, Serial No. 65,398
5 Claims. (Cl. 183—51)

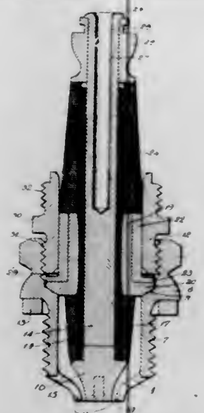


5. In a vacuum cleaner, a handle firmly joined to a motor-suction-unit, a filtering sleeve surrounding said handle having a cover of thin solid material, means of admitting dirt laden air to the bottom of said filter and exhausting filtered air from said cover, a cap for said cover surrounding said handle removably and firmly held thereon and a split ring used as a juncture between said cover and said cap.

2,083,916
SPARK PLUG
Joseph J. Mascuch, Frank G. Gardner, and Louis W. G. Flynt, Newark, N. J., assignors to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey
Application June 12, 1935, Serial No. 26,096
8 Claims. (Cl. 123—169)

1. A spark plug comprising a shell, an electrode supported in the shell, a tube of insulation disposed around the electrode, a sealing bushing disposed centrally of the electrode and in intimate thermal contact with the insulation, said bushing having formed thereon a flange in contact with the shell, additional insulating material around the electrode above and below

the bushing, a compression hoop surrounding the



bushing and a retaining means to hold the parts in the shell.

2,083,917
PROCESS OF SWEETENING HYDROCARBON DISTILLATES
John M. McGee, Casper, Wyo., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application April 8, 1935, Serial No. 15,283
14 Claims. (Cl. 196—29)

1. The process of sweetening petroleum distillates comprising contacting said gasoline in the liquid phase with a catalyst consisting preponderantly of calcined magnesium oxide in the presence of an oxidizing agent from the group consisting of air, oxygen, and sulfur.

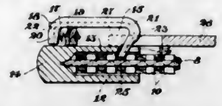
2,083,918
HOE CONSTRUCTION
James Napolis and Samuel Dellagola, Worcester, Mass.
Application September 25, 1935, Serial No. 42,074
6 Claims. (Cl. 97—65)



1. In a tool construction, a socket engageable with a handle and having spaced openings in the base thereof, a substantially flat blade having spaced openings substantially centrally thereof, and a U-shaped fastener extending from within the socket through the openings in said socket and said blade for permanently attaching the socket to the blade.

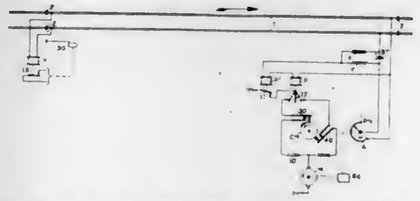
2,083,919
SLIDE FASTENER
Samuel H. Norton, Meadville, Pa., assignor to Hookless Fastener Company, a corporation of Pennsylvania
Application May 4, 1935, Serial No. 19,833
8 Claims. (Cl. 24—205)

1. A slider for slide fasteners comprising a channeled body member, a locking member connected to said body member and movable longitudinally relative thereto, at least a part of said locking member being movable outwardly, means for normally urging said locking member to



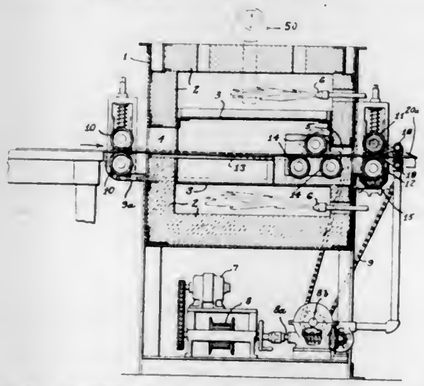
locked position, and manual means for moving said locking member longitudinally and outwardly to unlocked position.

2,083,920
RAILWAY TRACK CIRCUIT
Winfred T. Powell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 28, 1934, Serial No. 737,433
21 Claims. (Cl. 246—41)



15. In a circuit network comprising, a source of railroad track current and an electro-responsive device connected to said network in conjugate relation, a potentiometer and the rails of the track connected to said network in direct series relation with said source of current, and means responsive to current flow in said rails and including said electro-responsive device for causing said potentiometer to vary the current flow in said rails.

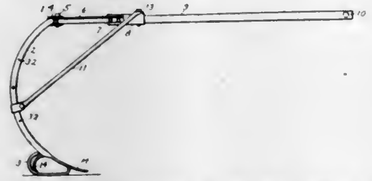
2,083,921
FILTER MAKING APPARATUS
Eugene Roberts, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah, a corporation of Utah
Application January 29, 1934, Serial No. 708,843
9 Claims. (Cl. 113—111)



3. An apparatus for producing a composite filter element embracing a heated oven, sheet feeding rolls for feeding into said oven in unison assembled backing and filter sheets with an interposed layer of solder, pressure rolls located in the rearward portion of the chamber for pressing

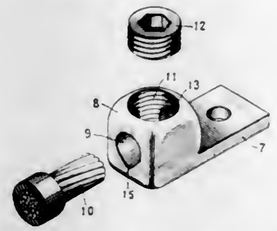
said sheets together when the solder has been fused, water cooled draft rolls located rearwardly of the oven for simultaneously subjecting the emerging sheets to cooling action and pressure and thereby fixing the wire gauze in a retaining matrix that is united with the backing sheet.

2,083,922
RAKE
Louis Otto E. Roessel, Chappaqua, N. Y.
Application December 19, 1935, Serial No. 55,141
2 Claims. (Cl. 55—10)



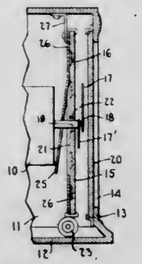
1. A rake comprising a tubular frame having a horizontal portion and end portions, the ends of the frame being bent down so as to form legs adapted to slide on the ground, a handle extending from the frame, the horizontal portion of the frame having a plurality of holes for curved resilient teeth extending to the ground between the legs, the teeth being bent at the points of emergence from the holes, and means to fasten the ends of the teeth to the frame at the opposite sides of the holes.

2,083,923
ELECTRICAL TERMINAL
Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application March 3, 1934, Serial No. 713,788
3 Claims. (Cl. 173—269)



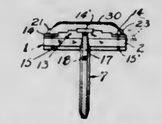
2. A solderless electrical connector having a solid metal body with a recess for receiving a substantially cylindrical cable formed of multiple strands, a substantial portion of the wall of the recess being cylindrical to conform to the cable end and the remainder of the wall having sides inclined at approximately ninety degrees with respect to each other, said body having a screw threaded passage intersecting the recess, said passage being of larger diameter than the recess and a clamp screw adjustable in said passage and having a bearing surface whose general plane is transverse to the passage, said recess having a V-shaped channel between the side walls beneath the screw so that when the screw is tightened on the cable in the recess strands are forced downwardly in the V-shaped notch and spread laterally in the bottom of the sides of the screw recess.

2,083,924
ILLUMINATED MEASURING DEVICE
Francis H. Scantlebury, Brooklyn, N. Y.
Original application March 10, 1932, Serial No. 598,004. Divided and this application July 18, 1935, Serial No. 32,067
7 Claims. (Cl. 240—2.1)



1. An illuminated device, comprising a transparent plate having etched configurations, an associated translucent etched portion of substantial area, an element movable before the associated portion, and means to edge-illuminate the said configurations, and an opaque element backing the etched configurations and affording a reflecting surface to back-light the said associated portion.

2,083,925
RING
George Schmidt, Los Angeles, Calif.
Application October 15, 1935, Serial No. 45,068
11 Claims. (Cl. 63—15)

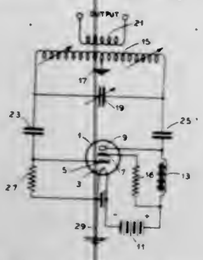


1. In a jewel mounting; a mounting base having upturned side walls; guide means inwardly overhanging the side walls; a bezel frame slidably mounted between said mounting base and guide means and including an upturned movable bezel at one end of the mounting base; a yieldable means urging said bezel frame against the guide means; catch means including coacting elements associated with said bezel frame and yieldable means for normally urging said movable bezel toward its inner position; and a fixed bezel at the opposite end of the mounting base adapted to coact with the movable bezel to retain a jewel therebetween.

2,083,926
SCREEN GRID OSCILLATOR
Henry Shore, Elizabeth, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1932, Serial No. 589,858
24 Claims. (Cl. 250—36)

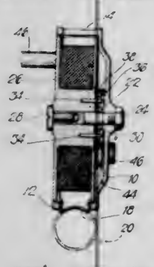
9. In an oscillating electron tube circuit including an electron tube having a cathode element, a control grid element, an anode element and an auxiliary element associated with the electron stream of said tube, means including said auxiliary element and the main source of electric energy for said oscillating electron tube circuit for compensating for changes in the frequency of oscillation arising from variations in the voltage of the said main source of electric energy, through the application of such increments of potential

to said auxiliary element as substantially neutralize the tendency to frequency change caused



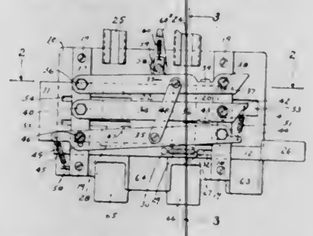
by simultaneous increments in potential applied to said anode element.

2,083,927
FISHING REEL
Foster C. Sinex, Hazleton, Pa.
Application June 15, 1935, Serial No. 26,707
3 Claims. (Cl. 242—84.5)



1. A fishing reel comprising a rotatably mounted spool for the line and means effective to restrict the rotation of the spool including a rotatable brake element operatively connected with the spool and a spring anchored at one end and having a portion encircling said brake element and effective to exert a friction grip thereon when the spool turns in the direction to pay off the line and to release such grip when the spool is turned in the opposite direction to reel in the line and including means for varying the magnitude of the friction grip exerted by said spring.

2,083,928
COIN CONTROLLED DEVICE
Louis Steiner, Brooklyn, N. Y.
Application June 9, 1936, Serial No. 84,245
4 Claims. (Cl. 194—55)

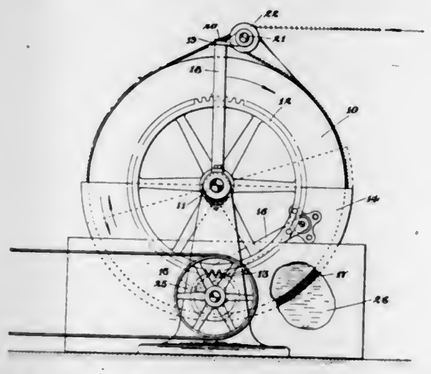


1. In a device of the class described; a frame; a vertical slide reciprocatingly mounted on said frame; two coin pockets formed vertically in said slide and aligned with the coin shutes contained in the machine in which the device is employed; each of said pockets having a depth sufficient to accommodate a plurality of coins; a plurality of notched slots formed in the slide; levers mounted on the frame and having coin-contacting detents engaging in said notched slots; another slide mounted under the first-mentioned slide and provided with coin-supporting members normally aligned with the coin pockets; and two discharge shutes, located below the last-mentioned slide and in front of the coin-supporting members, for discharging the coins from the coin pockets, when the first-mentioned slide is moved and the levers lifted by the coins contained in the pockets engaging with the said detents.

2,083,929
PROCESS OF MAKING A BEATER FURNISH
Earl P. Stevenson, Newton, and Howard J. Billings, South Acton, Mass., assignors, by mesne assignments, to The Richardson Company, Lockland, Ohio, a corporation of Ohio
No Drawing. Application February 20, 1933, Serial No. 657,670
11 Claims. (Cl. 92—21)

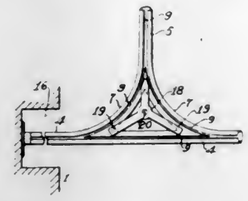
8. The process of manufacturing a paper-making furnish containing heat-reactive resins, which consists in mixing dry fibre with cresylic acid, formaldehyde, and an alkaline catalyst in the presence of water, and heating the resulting mixture to form a synthetic resin which, while remaining heat fusible, is insoluble in the reacting medium and non-tacky, the resulting fibre-resin mixture being characterized by the property of readily assimilating water and the reduction thereby to a watery pump such as is used in paper-making.

2,083,930
MACHINE FOR SMOOTHING FASTENERS
Gideon Sundback, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application July 21, 1934, Serial No. 736,370
6 Claims. (Cl. 51—19)



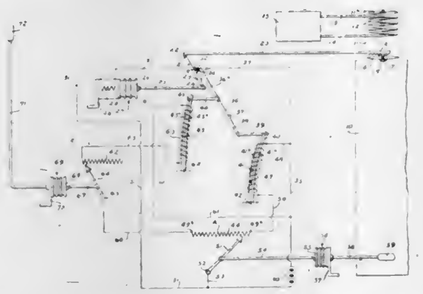
1. A machine for smoothing the surfaces of slide fastener elements on the edge of a tape stringer, which comprises a holder having a rigid surface against which the stringer is held so as to expose all surfaces of the metal elements except those contacting said rigid surface, and means for subjecting the exposed surfaces of the fastener elements while so held to the action of abrasive particles, and means for inverting the fastener stringer during the process to expose the surface of the fastener elements which was first in contact with said rigid surface.

2,083,931
CURTAIN ROD
Louis V. Viola, Closter, N. J.
Application January 9, 1936, Serial No. 58,241
7 Claims. (Cl. 156—19)



3. A system of curtain rods having longitudinal passageways therethrough and slots at the bottom thereof extending into said passageways, some of said rods joining others at an angle with the corresponding slots intersecting and curtain supports having members movable in said slots, at least one of said rods having an opening in the upper side thereof sufficiently large to permit passage of said curtain supports therethrough.

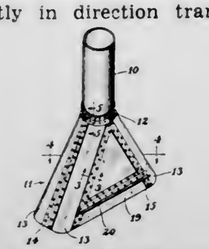
2,083,932
TEMPERATURE CONTROLLING SYSTEM
Louis H. Von Ohlsen, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey
Application September 29, 1932, Serial No. 635,328
27 Claims. (Cl. 236—97)



22. In apparatus for air conditioning a space, in combination, a pair of heating coils in circuit operatively connected to control the conditioning apparatus, and thermostatic apparatus responsive to the temperature in the space and the temperature outside said space for controlling said circuit to change the operating characteristics of said coils to control said conditioning apparatus through said coils.

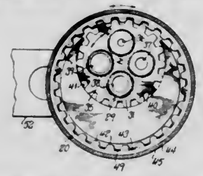
2,083,933
SMOKE JACK
Edward H. Wells, Jr., New York, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application March 13, 1935, Serial No. 10,842
6 Claims. (Cl. 104—52)

1. An acid-resisting smoke jack of the type described comprising shaped, compressed and densified, and hardened units including an intimate mixture of Portland cement and asbestos fibres, the fibres in the several units being arranged predominantly in direction transverse to the



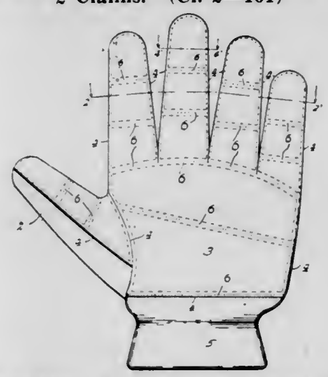
thickness of the said units to minimize wick action on the part of said fibres.

2,083,934
ADJUSTABLE PEEP SIGHT FOR FIREARMS
Thomas R. Arden, Baldwin, N. Y., assignor to O. F. Mossberg & Sons, Incorporated, New Haven, Conn., a corporation
Application August 19, 1935, Serial No. 36,815
4 Claims. (Cl. 33—54)



1. In an adjustable peep-sight, the combination with a body-member having a sight-passage therein; of a rotary sight-shutter carried by the said body-member and having a plurality of differentially-sized sight-apertures sequentially-registrable with the sight-passage of the said body-member to vary the effective size thereof; and an annular adjusting-ring also carried by the said body-member and rotatable with respect thereto; the said adjusting-ring being operatively connected to the said rotary sight-shutter for turning the same upon rotation of the said ring to vary the effective size of the sight-passage in the said body-member.

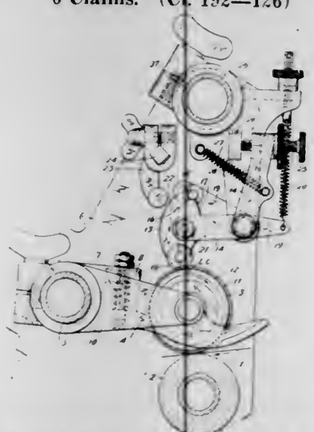
2,083,935
GLOVE
Georgietta Arnold, Martinez, Calif.
Application July 31, 1936, Serial No. 93,648
2 Claims. (Cl. 2—161)



1. In a glove of the character described, the combination with the palm portion of the glove, said portion comprising an inner and an outer layer of material and a pair of plates of cork

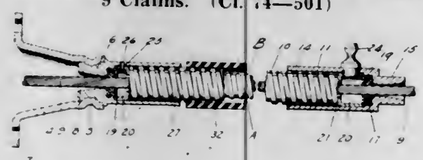
material disposed in relative spaced order between said layers, said plates being normally relatively movable, of a row of stitching through said layers between said plates, said stitching functionable towards limiting movement of said plates in directions towards each other with respect to said layers.

2,083,936
SHEET DETECTOR
Headley Townsend Backhouse, London, England
Application July 17, 1935, Serial No. 31,878. In Great Britain August 2, 1934
6 Claims. (Cl. 192—126)



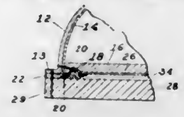
1. In a sheet feeder, an element for supporting sheets as they are fed, a roller arranged above said supporting element mounted to permit up and down movement bodily and running upon the sheets passing over the supporting element, and tripping means set in motion by the rise of said roller when more than the predetermined number of sheets pass beneath it, said tripping means comprising a pivoted detector plate normally out of engagement with said roller and adapted to be engaged and turned by the roller when the latter is lifted above its normal position, that part of said roller which engages with said detector plate when the roller rises being of less diameter than the portion which engages with the sheets being fed.

2,083,937
FLEXIBLE CONDUIT
Russell S. Begg, Cleveland, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application May 17, 1934, Serial No. 726,106
9 Claims. (Cl. 74—501)



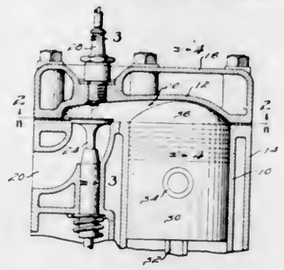
1. A flexible conduit for a flexible operating member, end fittings receiving the ends of the conduit in spaced relation to the ends of said fittings to form lubricant chambers at opposite ends of the flexible conduit, a lubricant fitting communicating with the chamber in one end fitting, and the other end fitting having means causing a visible indication when the conduit is full of lubricant.

2,083,938
SHOE
Fred Belyea, East Braintree, Mass., assignor to Geo. E. Keith Company, Campello, Mass., a corporation of Massachusetts
Application November 9, 1936, Serial No. 109,917
1 Claim. (Cl. 36—16)



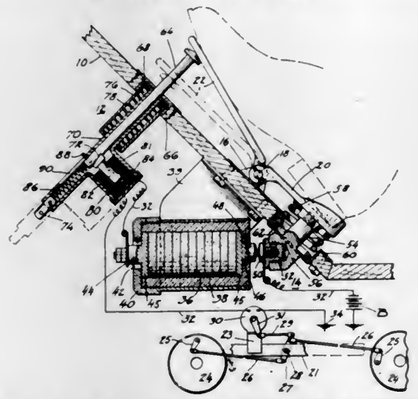
A shoe, having an insole, upper, welt and outsole, in which a portion of the upper is out-turned and overlies the welt, and in which one inseam, slightly above said out-turned portion of the upper, secures the upper to the edge of the insole; and in which another inseam secures the welt to the insole; there being also means securing the outsole and said out-turned portion of upper to the welt.

2,083,939
INTERNAL COMBUSTION ENGINE
Alanson P. Brush, Detroit, Mich.
Application January 2, 1935, Serial No. 43
2 Claims. (Cl. 123—191)



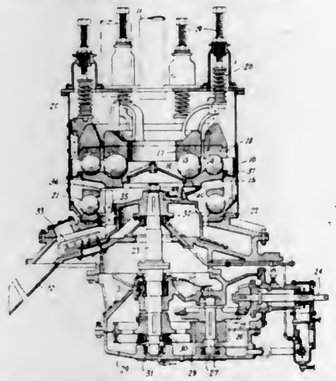
2. In an internal combustion engine of the L-head type, in combination, a flat topped cylinder block having a cylinder formed therein and adjacent inlet and outlet ports formed therein at one side only of said cylinder and opening onto said flat top, a valve for each of said ports seating against said flat top for controlling the flow of gases through said ports, a cylinder head overlying said flat top, a piston reciprocable in said cylinder, a symmetrical substantially spherical domed head on said piston, and a combustion chamber formed in said cylinder head and overlying said cylinder and valves, that portion of said combustion chamber on the opposite side of the cylinder axis from said valves being shaped complementary to the corresponding half of said domed head the construction being such that a part of the dome substantially fills the last named portion of the combustion chamber having mechanical clearance only therebetween when said piston is at the outer end of said stroke, the height of said combustion chamber, measured in a direction parallel to the axis of said cylinder, being a minimum over said valves and being a maximum between said valves and the axis of said cylinder with the piston on dead center, said combustion chamber being so constructed and arranged that its cross-sectional area measured in a plane approximately parallel with both the axis of said cylinder and the centers of said valves are substantially the same at any point between the centers of said valves and the adjacent side of said cylinder, and an ignition point serving said combustion chamber located at the valve end thereof.

2,083,940
VEHICLE CONTROL DEVICE
Ralph J. Burton and Ralzemond B. Parker, Detroit, Mich., assignors to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application September 30, 1933, Serial No. 691,650
8 Claims. (Cl. 192—3)



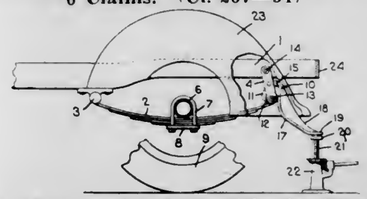
5. In a motor vehicle having an accelerator and brakes including mechanism for applying the brakes, accelerator control mechanism including two aligned linkages normally locked together to transmit reciprocating control movements, and means operatively related to said brake applying mechanism adapted upon application thereof to unlock said linkages at any position of their movement so as to render the accelerator control mechanism inoperative.

2,083,941
PULVERIZER
Perry R. Cassidy, Short Hills, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application November 9, 1933, Serial No. 697,299
13 Claims. (Cl. 83—45)



1. A pulverizer comprising a casing enclosing an upper circular row of rolling grinding elements, a rotary floating intermediate grinding ring arranged to support said upper row of elements, a non-rotary upper grinding ring supported on said upper row of elements, means for exerting a grinding pressure on said upper row of elements, a lower non-rotary grinding ring, a lower circular row of rolling grinding elements positioned between said intermediate and lower grinding rings, said lower row of elements and grinding ring being arranged to receive the weight of and pressure exerted on said floating intermediate grinding ring, a vertically fixed drive shaft, means forming a floating drive connection between said drive shaft and intermediate grinding ring, and means independent of said lower row of elements and grinding ring for resiliently supporting said intermediate grinding ring in a floating position.

2,083,942
METHOD AND MEANS FOR LIFTING VEHICLES HAVING LEAF SPRINGS
Henry A. Chase, Newtonville, Mass., assignor of one-half to Lewis W. Mustard, Wellesley Hills, Mass.
Application March 4, 1935, Serial No. 9,258
6 Claims. (Cl. 267—54)



1. A lifting device, for vehicles having a leaf spring connected at an end to the frame of a vehicle by a spring shackle, comprising an arm having means detachably to engage the spring shackle in fixed relation thereto and extending outwardly therefrom a convenient distance to be engaged by a power applying means.

2,083,943
METHOD OF PRODUCING BELLOWS UNITS
Walter B. Clifford, Boston, Mass., assignor to Clifford Manufacturing Co., Boston, Mass., a corporation of Delaware
Application March 19, 1935, Serial No. 11,839
3 Claims. (Cl. 113—116)

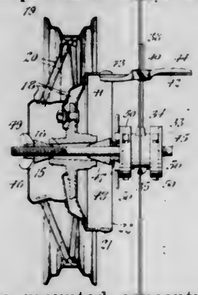


1. The method of producing a bellows unit with an integral attaching flange at the open end which comprises the formation of a series of bellows folds in a thin wall cupped tube uniform in diameter and spaced relation, and an enlarged fold at the open end of the tube which extends radially substantially beyond the outer diameter of the working folds, and splitting the enlarged radial fold through the outer convolution to provide a generally radially extending attaching flange at the open end integral with the tube wall and having a turned-up rim and capable of attachment at its periphery to a suitable support without interference with the flexing of the bellows folds.

2,083,944
BRAKE SETTING APPARATUS
Sylvester P. Cottrell, Buffalo, N. Y.
Application January 23, 1936, Serial No. 60,474
1 Claim. (Cl. 33—180)

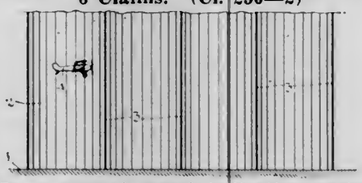
An apparatus for setting a brake shoe relative to a brake drum of the brake mechanism of a wheeled vehicle having an axle provided with a tapering axle arm, an axle housing in which said

axle is journaled, a wheel mounted on said axle arm, a brake drum mounted on the wheel, and brake shoes mounted on said housing and adapted to engage said drum; comprising a cylindrical arbor adapted to be placed axially within the hub of said wheel, cones mounted on said arbor and adapted to engage opposite ends of the hub, means for clamping said cones against said hub and releasing the same, a support mounted on said arbor and provided with a bearing which is



adapted to be mounted concentrically to said drum, independent clamping devices arranged at opposite ends of said support and adapted to engage either with different parts of said cylindrical arbor or with different parts of the tapering axle arm, a carrier rotatable on said bearing, and gage means mounted on said carrier and adjustable toward and from the axis thereof for determining the position of contact surface of said brake shoes and the position of the surface of said drum which is contacted by said brake shoes.

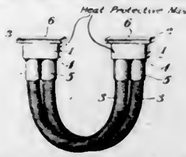
2,083,945
APPARATUS FOR INDICATING VELOCITY
Earl R. Evans, Washington, D. C., assignor to George L. De Mott, Washington, D. C.
Application May 26, 1931, Serial No. 540,152
6 Claims. (Cl. 250—2)



1. In a ground speed indicating system for aircraft, a plurality of spaced radio transmitters of substantially the same frequency located along the line of flight of aircraft and producing a non-uniform electromagnetic field between the transmitters; a craft-carried radio frequency receiver tuned to the frequency of said transmitters; a radio frequency amplifier included in said receiver; and a visual speed indicating device directly connected to the output of said amplifier and operated by the beat radio frequency currents received on said craft as it moves through said field.

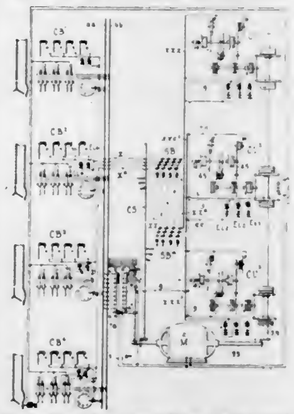
2,083,946
RAIL BOND
Harold H. Febrey, South Orange, N. J., assignor to The American Steel and Wire Company of New Jersey, New York, N. Y., a corporation of New Jersey
Application July 11, 1931, Serial No. 550,225
2 Claims. (Cl. 173—278)

1. Means for making an electrical connection to a rail comprising a stranded conductor and a terminal member attached to the butt end of said conductor, said terminal member consisting of a body portion comprised of a ferrous metal provided with a face to which the end of the conductor is attached and a shelf portion on the opposite side of said body portion shaped to adapt the said shelf portion to be welded to a rail, the thickness of the body por-



tion in between said face and said shelf portion approximating one-half to three-fourths inch and the cross-sectional area thereof being adapted to provide a sufficient volume of said body portion in between said face and shelf portion to prevent the heating up of the end of the conductor during the welding of the said shelf portion to a rail to a temperature deleteriously effecting the physical characteristics of said conductor.

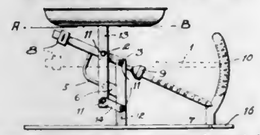
2,083,947
AUTOMATIC SALES SYSTEM
Henry Jewett Furber, Miami, Fla.
Application April 27, 1933, Serial No. 668,280
32 Claims. (Cl. 194—10)



1. In apparatus for vending variously priced merchandise, a container for each merchandise, a release to liberate the merchandise from the container, a lever to control each said release, an auxiliary release, a series of selective circuits corresponding to numerals of price, a contact settable upon each lever at an indicated point to close a selective circuit of said series, a circuit controller operative in opposite directions, a motor, electric means controlled by each lever to cause the motor to operate the controller in one direction, electric means controlled by the settable contact on the lever, to arrest the operation of the controller by the motor, when the controller be operated in degree proportionate to the numeral corresponding to the selected circuit, a denominational coin receiver, a circuit maker closed by a coin deposited in the receiver, means controlled by the circuit maker to cause the motor to operate the controller in opposite direction, means controlled by the circuit maker to arrest the operation of the controller by the motor when operated in degree proportionate to the value of the coin, and means rendered effective

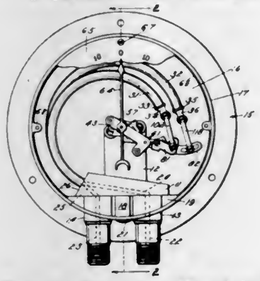
by the controller to operate the auxiliary release and deliver the vended merchandise, when the coin deposited satisfy the price.

2,083,948
WEIGHING SCALE
Carlos Idaho Gesell, Buenos Aires, Argentina
Application June 27, 1934, Serial No. 732,717
In Argentina July 19, 1933
2 Claims. (Cl. 265—61)



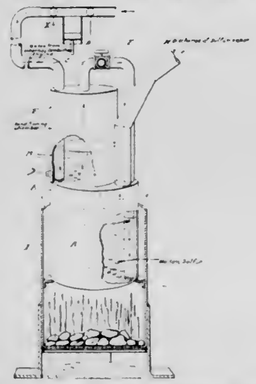
1. In a weighing scale, a quadrant having indications thereon of fractional parts of the unit in which the scale measures the weight, a stationary support, a scale beam pivoted on said support and having a pointer to indicate values on said quadrant, an adjustable weight on one arm of said beam, a scale pan, a floating support for said scale pan pivoted to said scale beam on the arm opposite the adjustable weight, a unit scale on the first mentioned arm, said adjustable weight and scale being adapted to counterbalance and indicate the units of weight in the pan, a main weight rigidly suspended from said beam, whereby the balance beam is kept in equilibrium, keeping the center of gravity of the units weight in the axis of the beam and maintaining the first mentioned arm on the quadrant to indicate the fraction of a unit of weight.

2,083,949
DIFFERENTIAL GAUGE
Ernest H. Grauel, Perkasie, Pa., assignor to United States Gauge Company, New York, N. Y., a corporation of Pennsylvania
Application July 31, 1935, Serial No. 34,098
9 Claims. (Cl. 73—109)



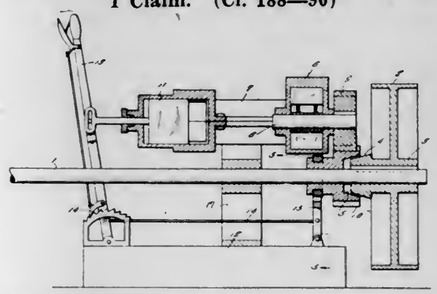
8. A differential gauge comprising dual pressure responsive elements having unequal pressure responsive characteristics, an indicator, a device designed to actuate said indicator, a lever mounted upon a fulcrum carried by said device, and links interconnecting said pressure responsive elements with the arms of said lever, said lever arms being unequal to compensate for the unequal pressure responsiveness of said elements, the ratio of the reactive characteristics of said responsive elements being equal to the ratio of the lengths of said lever arms, said links interconnecting the less reactive of said elements with the shorter lever arm and more reactive of said elements with the longer lever arm whereby simultaneous movement of said pressure responsive elements under the influence of equal pressure changes is effective to cause substantially equal angular displacement of said lever arms with respect to said fulcrum.

2,083,950
METHOD AND APPARATUS FOR VAPORIZING SULPHUR AND OTHER FUNGICIDAL AND INSECTICIDAL SUBSTANCES
Emil Frederick Guba, Waltham, Mass.
Application February 19, 1934, Serial No. 711,998
3 Claims. (Cl. 21—58)



1. A method, for the distributing in atmosphere of sulphur, which comprises the conducting of inert gases from the exhaust of an internal combustion engine and the discharging of those gases below the surface of a molten body of sulphur which is to be distributed, and letting them bubble to the surface; said sulphur being maintained molten by an independent source of heat and being held closed from contact with all gases which come from a seat of combustion at the said source of heat; said sulphur being also held closed to ingress of atmosphere; followed by the conducting of said bubbled inert gases, with their entrained particles of the sulphur, to that atmosphere where the distributing is to occur.

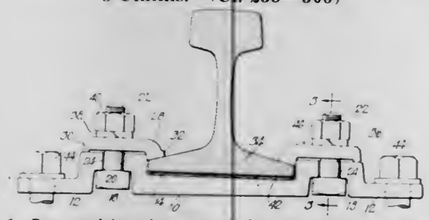
2,083,951
HYDRAULIC BRAKE
Max Guthoff, John N. Flynn, and Howard L. Smith, Cleveland, Ohio
Application July 8, 1936, Serial No. 89,590
1 Claim. (Cl. 188—90)



A hydraulic brake apparatus of the class described comprising a shaft, a male clutch member fixed on said shaft, a female clutch member slidably mounted on the shaft and operatively engageable with the male clutch member for actuation thereby, a rotary fluid pump, a fluid by-pass connected to the intake and outlet ends of the pump, a valve for controlling the circulation of the fluid through the by-pass, means operatively connecting the pump to the female clutch member for actuation thereby, and common means for simultaneously closing and open-

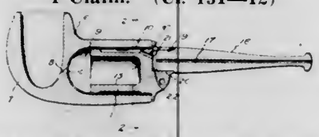
ing the valve and for engaging the female clutch member with the male clutch member and for disengaging said female member therefrom, said means including a base, a fork pivotally mounted on the base and operatively connected to the female clutch member, a hand lever pivotally mounted on the base, a rod connecting the fork to said hand lever for actuation thereby, and means operatively connecting the valve to the hand lever for actuation thereby.

2,083,952
RAIL FASTENING
Arthur B. Haswell, Birmingham, Ala.
Application July 7, 1934, Serial No. 734,164
3 Claims. (Cl. 238—306)



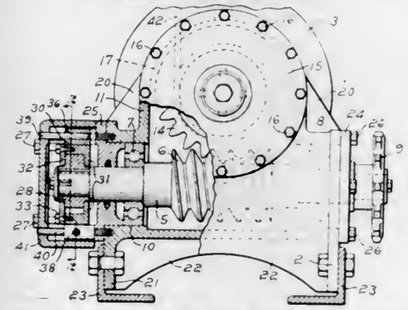
1. In combination, a rail having the usual supporting flanges, a base member having a pair of parallel chambered rail abutments extending continuously from end to end of said member in the direction of the rail and defining the boundaries of a seat for said flanges, outwardly opening slots formed in the top walls of the extremities of said abutments, bolts whose heads lie in the chambers of said abutments, the upper faces of said bolt heads being in a plane substantially coincident with the lower surface of said supporting flanges, the shanks of said bolts passing through said slots, respective rail engaging clips each having at one end a downwardly projecting portion fulcruming on the top wall of said rail abutment and at its other end a downwardly projecting nose engaging an upper face of the rail flange and nuts on said bolt shanks clamping the clips to the rail.

2,083,953
SMOKING APPARATUS
George F. Heubeck, Baltimore, Md.
Application June 3, 1935, Serial No. 24,740
1 Claim. (Cl. 131—12)



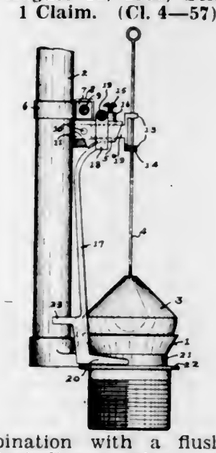
A smoking device comprising a member provided with a tobacco receiving recess and with a smoke receiving chamber, a shell slidable with friction fit in said chamber, and having an opening in the end thereof adjacent said recess, said member having a passageway sloping upwardly from said recess into communication with the opening in said shell, a smoke cooling structure fitting slidably and rotatably with friction fit in said shell, said structure being provided on its outer surfaces with a series of connecting channels separated by baffles, said channels being provided with elongated baffles spaced from the walls of the channels and forming spreaders to cause the smoke to pass around the opposite sides of the spreaders, one end of said series of channels having a passageway connected with said smoke chamber and the other end having a smoke exit, and a mouthpiece detachably secured to said structure, and having a bore therethrough parallel to the axis of said shell and structure and displaced upwardly with respect to said axis, said smoke exit being formed as a passageway downwardly directed from the upper part of said structure to the bore of said mouthpiece.

2,083,954
CABLE WINDING APPARATUS
Joseph F. Kessler, Canton, Mass.
Application December 3, 1935, Serial No. 52,638
4 Claims. (Cl. 254—187)



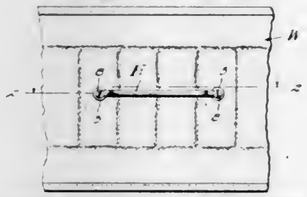
1. In hoisting apparatus having a winding drum arranged to be power-driven to raise and lower a load, a reversible worm shaft arranged to drive the winding drum, a brake-band member arranged concentric to the worm shaft and fixedly mounted against rotation, a rotatable ring element arranged to be frictionally engaged by said brake-band, and means carried by the worm shaft arranged to automatically rotate said ring element in that direction which will release cable from the winding drum.

2,083,955
VALVE ROD GUIDE FOR FLUSH TANKS
Anthony Lancellotte, Pittsburgh, Pa.
Application August 11, 1936, Serial No. 95,372
1 Claim. (Cl. 4—57)



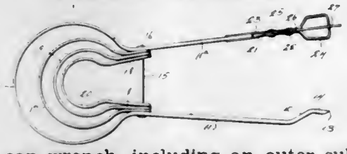
The combination with a flush tank valve mechanism including a valve seat, a valve rod and an overflow pipe, of a horizontally disposed support provided with a longitudinally extending passage, a clamping band surrounding the overflow pipe and connected with said support for attaching the latter to the overflow pipe, a shank mounted in said passage and longitudinally adjustable in the latter, means carried by said support and operable to engage said shank for securing the latter in the adjusted position, a pair of spaced vertically aligned guide bearings for the valve rod carried at the outer end of said shank, and a bracing element connected with said support resting on said valve seat and engaging the overflow pipe for bracing said support.

2,083,956
HANDLE STRUCTURE
Rudolph C. Lang, New York, N. Y., assignor to K. P. Williams Company, Inc., New York, N. Y., a corporation of New York
Application October 14, 1935, Serial No. 44,943
8 Claims. (Cl. 16—125)



1. A handle structure for a mattress wall comprising grommets disposed through and secured to said wall at spaced points, a handle having openings in its extremities for register with the bores of the grommets, and means extending through the openings of the handle member and into the grommets constructed and arranged for coaction with the grommets and the extremities of the handle member to hold said extremities of the handle member to the grommets.

2,083,957
JAR WRENCH
Philip F. Marsella and Ferdinando Marsella, Seneca Falls, N. Y.
Application June 23, 1936, Serial No. 86,854
3 Claims. (Cl. 81—3.1)



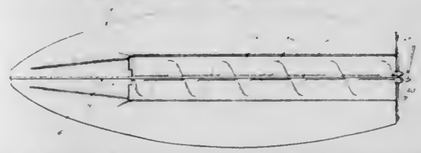
3. A cap wrench, including an outer substantially arcuate member having handles extending from its ends and a plurality of inner arcuate clamping members each having its ends operatively pivoted to the handles for independent movement into or out of the plane of the first named clamping member, all of the clamping members being of resilient material, the resilience of the material urging the ends of all of said clamping members outward and urging the handles away from each other.

2,083,958
VENDING AND WEIGHING MACHINE
Newton E. May, South Bend, Ind., assignor, by mesne assignments, to The Mayway Corporation of Indiana, South Bend, Ind., a corporation of Indiana
Application December 20, 1934, Serial No. 758,425
7 Claims. (Cl. 194—1)

1. A member adapted to form a combined scale head and vending machine support, depending flanges carried by said member adjacent one side thereof to fit around said scale and having an opening therein, said member having an opening formed therein substantially centrally of the portion thereof outlined by said flanges and another opening spaced from said flanges, and a coin chute communicating with said last named opening and with said flange opening adapted to direct a coin from the vending machine to the scale.

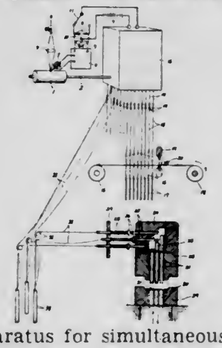


2,083,959
POWER BOAT
John Robert McMullen, Galena, Ill.
Application February 27, 1936, Serial No. 66,114
3 Claims. (Cl. 115—39)



1. A power boat comprising a hull including a bow having water directing funnels on its underside, said hull at its underside having a longitudinal water tunnel into the front end of which said funnels lead, said tunnel being open at its bottom and extending uniformly from said funnels to the stern of the boat, longitudinal water propeller means confined entirely within and along said water tunnel, and means on said hull for driving said propeller means, and a metallic keel running along said bow and along said hull under and spaced from said water tunnel for protecting the propelling means therein, the opposite ends of the keel extending upwardly at the bow and the stern and secured to the deck of the boat.

2,083,960
APPARATUS AND METHOD FOR SIMULTANEOUSLY MANUFACTURING BROCADES AND PATTERN CARDS
Kinsaku Nakanishi, Hakata, Fukuoka, Japan
Application February 6, 1934, Serial No. 710,001
In Japan February 13, 1933
4 Claims. (Cl. 139—319)



1. An apparatus for simultaneously manufac-

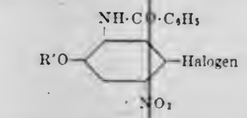
turing brocades and pattern cards, comprising photo-electric means, an electrically controlled brocade loom, a plurality of warp operating parts each holding a warp thread, means for actuating said warp operating parts in response to the operation of said photo-electric means, a pattern card cutting machine having a number of punching rods and a cooperating die, a plurality of controlling rods for selectively controlling said punching rods, and means for connecting said controlling rods to said warp operating parts thereby recording the selection of warp threads in said electrically controlled brocade loom by means of the punching rods in said card cutting machine.

2,083,961
INSULATING PLASTER
Gustave Adolph New, New York, N. Y., assignor to Thurlow G. Gregory
No Drawing. Application June 10, 1936, Serial No. 84,521
6 Claims. (Cl. 106—18)

1. A dry plaster mixture capable of being plasticized with water and comprising a mixture of exfoliated vermiculite approximately 30 to 500 parts by weight; light weight insulating substance from the group consisting of granular cork, water proofed granular wood, water proofed granulated hulls, water proofed granulated corn cobs and mixtures thereof, approximately 75 to 600 parts by weight; colloidal matter from the group consisting of dextrine, bentonite, and bentonite with reacting substance from the group consisting of lime, raw gypsum and Portland cement approximately 10 to approximately 100 parts by weight; a recrystallizing binder from the group consisting of gypsum stucco, Keene's cement, natural cement and lime approximately 1150 to approximately 1700 parts by weight.

2,083,962
PROCESS FOR THE MANUFACTURE OF AMINO AND NITRO DERIVATIVES
Pierre Petitcolas, Rouen, France, assignor to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France, a corporation of France
No Drawing. Application March 19, 1937, Serial No. 131,933. In France March 5, 1936
2 Claims. (Cl. 260—124)

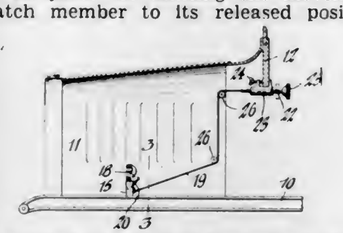
1. A process for the manufacture of nitro compounds and amines comprising condensing a nitrated and halogenated product of the general formula



where R' represents an aryl radical taken from the group consisting of phenyl and chloro-phenyl, with an alkali metal salt of a compound taken from the group consisting of phenols, chlorophenols and cresols.

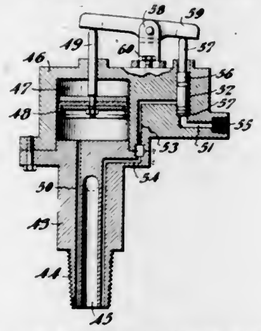
2,083,963
AUTOMOBILE HOOD LATCH MECHANISM
Salvator F. Ruggiero, Buffalo, N. Y.
Application January 18, 1934, Serial No. 707,120
1 Claim. (Cl. 292—129)

An automobile hood-latching mechanism, comprising a bracket, a substantially inverted S-shaped latch member pivoted to said bracket and terminating at its upper end in a latch hook and at its lower end in an actuating arm, a stop element disposed on said bracket and adjacent its pivot for limiting the movement of the latch member to its released position, a



spring applied to said stop element and in bearing contact with said actuating arm for urging the latch member to its released position, and actuating means operatively connected to the arm of said latching member for controlling its latching and unlatching movements.

2,083,964
LIQUID DISPENSING DEVICE
George Schulz, Chicago, Ill., assignor to E. Edelmann & Co., Chicago, Ill., a corporation of Illinois
Application August 1, 1935, Serial No. 34,273
12 Claims. (Cl. 221—74)

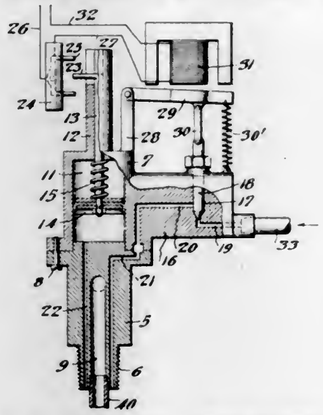


1. An air operated liquid dispensing device for use with a closed liquid container comprising, a casing structure connected with the container, a liquid discharge course from the casing structure for drawing off liquid, a pressure air course through the casing to supply air into the container, a source of pressure air supply to the air course, an air pressure controlled valve in the casing operable to close the pressure air course, and a valve air course in said casing leading from the container to the valve control means separated from the pressure air course and through which pressure is built up to close the valve in the pressure air course upon attainment of a desired pressure within the container.

2,083,965
COMPRESSED AIR OPERATED LIQUID DISPENSING DEVICE
George Schulz, Chicago, Ill., assignor to E. Edelmann & Co., Chicago, Ill., a corporation of Illinois
Application August 12, 1935, Serial No. 35,842
8 Claims. (Cl. 221—77)

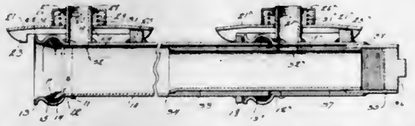
1. A control means for an air operated liquid dispensing device comprising with a closed liquid container, a case connected with said liquid con-

tainer having a compressed air supply passage therethrough, a valve controlling said compressed air passage, electrically energized means including an electric circuit associated with said valve to open the same to permit supply of com-



pressed air to the container, fluid pressure actuated means within the case to break the circuit upon attainment of a maximum desired pressure within the container, and an air course through the case opening at one end to the pressure actuated means and at its other end to the container.

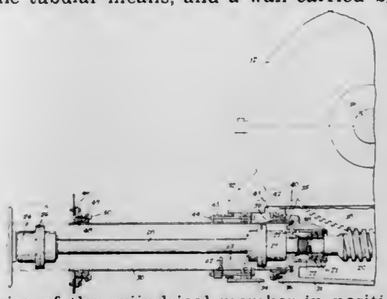
2,083,966
PIPE SECTION AND COUPLING THEREFOR
William E. Stitzer, Muskogee, Okla.
Application April 24, 1937, Serial No. 138,836
4 Claims. (Cl. 285—169)



1. A pipe section having at one end a packing gland and packing therein adapted to receive an adjacent pipe section, a radially extending element attached to the pipe section adjacent the packing gland, a latch having its middle apertured for the passage of said radial element, the latch at one end having a nose and this end of the latch projecting beyond the gland, a lock washer rotatably mounted on the element and having opposed inwardly projecting lugs, the lugs, when the washer is in one position, bearing against and holding the latch from outward movement away from the pipe section.

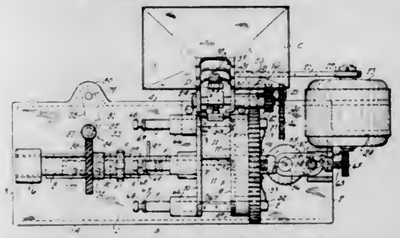
2,083,967
PROTECTED DRIVING MECHANISM
Ralph F. Symonds, Marblehead, Mass., assignor to New England Trawler Equipment Co., Boston, Mass., a corporation of Massachusetts
Application May 20, 1936, Serial No. 80,777
4 Claims. (Cl. 64—3)

1. In combination, a power unit within a housing, a driven unit spaced from the power unit and located within a second housing, shafting including a coupling providing a driving connection between the two units whereby to drive the driven unit, tubular means including a cylindrical member enclosing said connection from outside exposure, means sealing the two ends of the tubular means to said two housings respectively, said coupling being adjacent to one end of the tubular means, and a wall carried by the



interior of the cylindrical member in position to confine oil to said one end of the member and in contact with the coupling.

2,083,968
NUT-CRACKING MACHINE
Joseph M. Walling, St. Louis, Mo.
Application February 25, 1935, Serial No. 7,955
9 Claims. (Cl. 146—12)



1. In a nut-cracking machine, a hammer, an anvil shiftable for co-operating with the hammer, a slotted tubular reciprocatory plunger normally spaced from the anvil, a pin disposed for movement in the slot of the plunger, a spring disposed for compression within the plunger intermediate an end wall thereof and the pin means rigidly formed on the plunger for selectively engaging the anvil, and means for shifting the pin for actuating the plunger through the spring for endwise engagement with the anvil for shifting the same, in turn, into nut-cracking position relatively to the hammer.

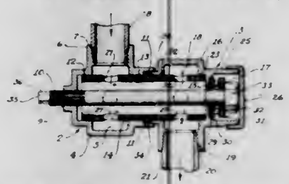
2,083,969
MEANS FOR FORMING LAMINATED TUBES FROM WEB MATERIAL
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application June 5, 1935, Serial No. 25,176
2 Claims. (Cl. 93—82)



1. An apparatus for forming tubular casings from web material comprising means for supporting a first web roll, means offset relative to the supporting means for supporting a second web roll so that one of the longitudinal edges of the web of the first roll will project beyond the corresponding longitudinal edge of the web of the second roll and the other longitudinal edge of the web of the second roll will project beyond the corresponding longitudinal edge of the web of the

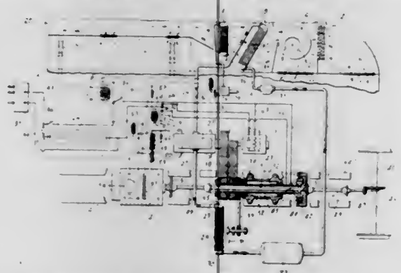
first roll, means for simultaneously feeding the webs of the several rolls, means for applying an adhesive to one entire surface of the web of the first roll, means for bonding the webs of the several rolls, means for applying an adhesive near the longitudinal edge of the web of the second roll adjacent the projecting edge of the web of the first roll and means for forming the resultant laminated web in the form of a tube with the longitudinal edges of each of the webs of the several rolls in over-lapping relationship to provide a double lapped seam.

2,083,970
PIPE JOINT
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application January 6, 1936, Serial No. 57,687
11 Claims. (Cl. 285—9)



1. A pipe joint of the class described comprising a casing having an inlet, a second casing pivotal on said first mentioned casing having an outlet, a bushing extending from one casing to the other and having a press fit within one of said casings and a slidable fit within the other of said casings, said bushing providing bearing surfaces for the movement of said pivotal casing and a pivotal bolt member for securing said pivotal casing on said bushing.

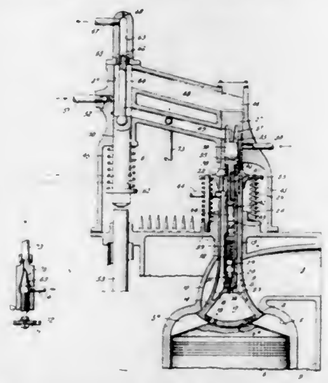
2,083,971
AIR CONDITIONING SYSTEM
Martin P. Winther, Waukegan, Ill., assignor, by mesne assignments, to Pullman-Standard Car Manufacturing Company, a corporation of Delaware
Application December 26, 1931, Serial No. 583,210
18 Claims. (Cl. 62—117)



10. A vehicle having a refrigerating system including a compressor, a live axle drive for said compressor, a motor drive for said compressor, means responsive to temperature conditions for starting and stopping said compressor, and means responsive to car speed for automatically selecting between said axle drive and said motor drive for said compressor.

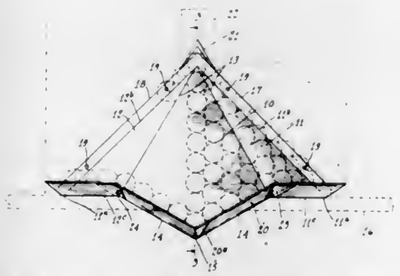
18. In a vehicle, refrigerating apparatus comprising in combination, a live axle, a compressor, a clutch actuated drive from said axle to said compressor, variable speed ratio control means in said drive between said axle and compressor, and temperature responsive means for actuating said compressor speed ratio control means in response to refrigerating demand.

2,083,972
INTERNAL COMBUSTION ENGINE
Allan R. Wurtele, New Roads, La.
Application July 30, 1934, Serial No. 737,505
18 Claims. (Cl. 123—32)



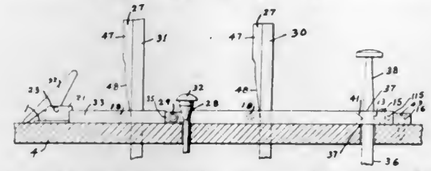
1. The combination in an internal combustion engine of a power cylinder having a port, valve means for said port, pump means in said valve means, and common fluid pressure means for actuating said pump and valve means.

2,083,973
DISPLAY DEVICE
Leroy H. Zimmerman, La Salle, Ill.
Application March 20, 1933, Serial No. 661,737
2 Claims. (Cl. 206—44)



2. A display device for substantially spherical articles comprising a central upwardly inclined quadrilateral panel formed of two right triangles having a common hypotenuse, two right triangular panels extending rearwardly from the inclined edges of said central panel and each having the side edges thereof merging in the apex of said central panel, outwardly extending flanges on the inclined free edges of said side panels, and a continuous shelf at the bases of said panels conforming to the angular disposition of said bases for supporting articles stacked on the outer faces of said panels.

2,083,974
ACCELERATOR CONTROL
Alf J. Abel, Miami, Fla.
Application May 18, 1936, Serial No. 80,460
5 Claims. (Cl. 192—.01)



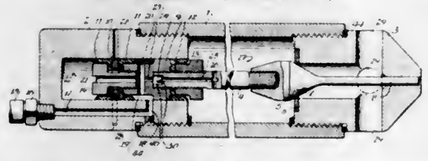
1. In a motor vehicle, the combination of an accelerator control comprising, a body member adapted to travel in close registry with the brake, clutch, starter and accelerator arms and with portions adapted to contact the same, jaws on said body for frictionally controlling the movement of the accelerator arm from open to closed position adjustably, means coacting with the starter arm and member portion for moving the accelerator arm proportionately to its travel, and means coacting between the said arms and their respective member portions for actuating the said body member independently of each other and to cooperate with the operative function of each of said arms respectively.

2,083,975
MATERIAL BREAKING DEVICE
Frank H. Armstrong, Chicago, Ill., assignor to Safety Mining Company, Chicago, Ill., a corporation
Application December 17, 1932, Serial No. 647,785
29 Claims. (Cl. 102—6)



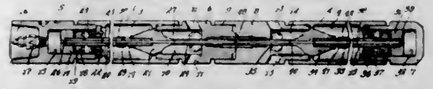
1. A material breaking device comprising an indestructible container, an energy storing charge at working pressure in said container, means responsive to axial bodily movement of said container for effecting release of said charge, and power developing means distinct from said container but operable thereupon for effecting axial bodily movement of said container to effect charge release.

2,083,976
MATERIAL BREAKING DEVICE
Frank H. Armstrong, Chicago, Ill., assignor to Safety Mining Company, a corporation of Illinois
Application March 30, 1934, Serial No. 718,175
37 Claims. (Cl. 102—6)



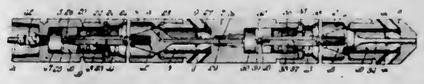
1. In combination, a cartridge having provision for storing a charge of gas under a high pressure, a supply line therefor, means for releasing the charge to a point of use upon a reduction of pressure in the supply line, means between the ends of said supply line for providing a vent orifice larger than the minimum cross-sectional area of the supply line, upon pressure reduction in said supply line.

2,083,977
BLASTING CARTRIDGE
Frank H. Armstrong, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois
Application December 7, 1934, Serial No. 756,510
12 Claims. (Cl. 102—6)



1. In a blasting cartridge, a container unit having a plurality of charge receiving chambers, a discharge device associated with each chamber and arranged at the adjacent ends of said chambers, and means arranged at the remote ends of said chambers for simultaneously effecting discharge of the same.

2,083,978
BLASTING CARTRIDGE
Frank H. Armstrong, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois
Application December 7, 1934, Serial No. 756,511
19 Claims. (Cl. 102—6)



2. In a blasting cartridge, a container unit having a plurality of pressure chambers, a control valve for each pressure chamber for releasing the blasting charge therefrom, and a control mechanism for each valve including a control chamber and a valve actuating plunger contained in said chamber, the pressure in one of said control chambers being controlled by the pressure in one of said pressure chambers.

2,083,979
BLASTING CARTRIDGE
Frank H. Armstrong, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois
Application December 7, 1934, Serial No. 756,512
18 Claims. (Cl. 102—6)



1. In a blasting cartridge, a container having an orifice at its outer end through which fluid may be discharged, means at the outer end of the container for charging it with a highly compressed fluid, and a fluid pressure controlled valve at the outer end of said container for controlling said discharge orifice and moving inwardly to open the same.

2,083,980
BLASTING CARTRIDGE
Frank H. Armstrong, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois
Application December 7, 1934, Serial No. 756,513
11 Claims. (Cl. 102—6)

1. In a pre-charged blasting cartridge, a container for receiving a pre-charge of highly com-

pressed gas and having a discharge orifice, a differential valve mechanism for controlling said orifice, said container embodying a control chamber, the pressure wherein governs the position and movement of said differential valve mechanism, a connection through which compressed gas may



be introduced into and exhausted from said control chamber, a valve governing said connection, and means subject to remote control for actuating said valve by creating with an explosive effect a relatively high, gaseous, valve actuating pressure.

2,083,981

MATERIAL BREAKING APPARATUS

Frank H. Armstrong, Michigan City, Ind., assignor, by mesne assignments, to Safety Mining Company, Chicago, Ill., a corporation of Illinois

Application April 18, 1935, Serial No. 17,081

10 Claims. (Cl. 285—143)



1. A pipe coupling through which a fluid under high pressure flows comprising a casing to which one pipe section is secured, and having a chamber for receiving the flared terminal end of the other pipe section, and a plunger contained in said casing subjected to the high fluid pressure within the coupling for forcing the plunger toward and having a conical projection adapted to fit within the flared end of said pipe for maintaining a tight sealing engagement between said pipe sections.

2,083,982

WEIGHTING TEXTILE MATERIALS

Herman S. Bosland, Paterson, N. J., assignor to Stein, Hall & Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 8, 1936, Serial No. 99,875

14 Claims. (Cl. 134—16)

1. A textile weighting composition consisting of an intimate dispersion of an amylaceous substance, urea and water, the amount of urea being at least equal by weight to the amount of amylaceous substance.

2,083,983

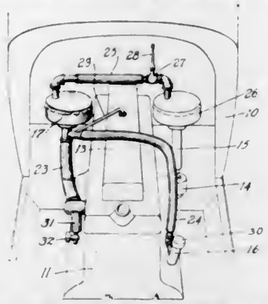
DUST SEAL FOR AUTOMOTIVE ENGINES

William F. Brenner, Idalia, Colo.

Application January 27, 1936, Serial No. 61,009

1 Claim. (Cl. 123—119)

Means for sealing the valve case, crank case, and cylinders of an automotive engine against the entrance of dust laden air comprising: a first air cleaner; a second air cleaner; a first conduit from said first air cleaner to said cylinders; a second conduit from said second air cleaner to said valve case; and a third conduit from said second air cleaner to said crank case; and a fourth conduit extending between said two air



cleaners so that said first conduit may draw from said second air cleaner when desired.

2,083,984

TREE BAND MATERIAL

Guy H. Buchanan, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 30, 1932, Serial No. 649,598

7 Claims. (Cl. 167—49)

2. An insecticide containing beta naphthol and an oil carrier therefor and a material for preventing separation of the beta naphthol from the oil including beta naphthol tar.

6. A tree band including an absorbent medium impregnated with beta napthol, beta napthol tar and an oil.

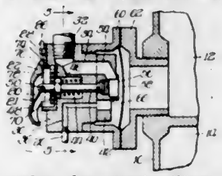
2,083,985

VALVE CONTROL FOR GAS BURNERS

John A. Byers and Glen C. Carnahan, Chicago, Ill., assignors to James B. Clow & Sons, Chicago, Ill., a corporation of Illinois

Application February 4, 1935, Serial No. 4,764

8 Claims. (Cl. 277—51)



1. A disc valve for controlling the supply of gas to a pilot and main burner including a valve body having a gas delivery passage, a supply passage for the pilot and a supply passage for the main burner, a valve disc rotatably mounted on the valve body and having openings therein for alignment with the passages to thereby open the same, the opening associated with the delivery passage tapering in the direction of its length and terminating in a valve port located to the rear of the valve disc, and said valve port having a by-pass whereby the supply passages are connected with the delivery passage through the valve port when the same is opened and are connected through the by-pass when said valve port is closed.

2,083,986

MACHINE FOR MOLDING RODS

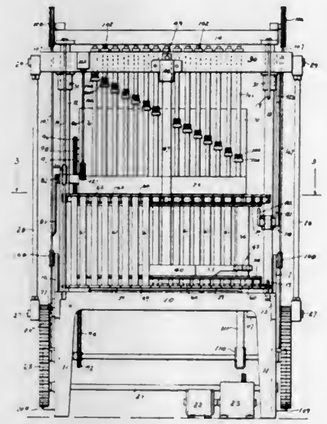
Nicholas Corsi, Brooklyn, N. Y.

Application July 8, 1936, Serial No. 89,567

3 Claims. (Cl. 18—5)

1. A machine of the class described comprising a stand, a pair of vertical sleeves mounted on

said stand and having sprocket wheels adjacent to their upper and lower ends, a pair of chains mounted on said sprocket wheels, said chains having means for supporting a plurality of tubes, a cross head mounted on top of the stand at a considerable distance above the upper chain, a plurality of plungers slidingly mounted in said cross head, said plungers aligned with the openings in several of the tubes contained in the said chains and having operating collars secured at



different distances below the cross head so that the plungers will enter their co-acting tubes to different depths, a hopper mounted above the upper chain and through one part of which hopper all of said plungers pass, means for raising and lowering said cross head while the chains are standing still and for moving said chains after the plungers are out of engagement with the tubes, and means actuated by the cross head for releasing one of said tubes from the chains at each complete cycle of the cross head.

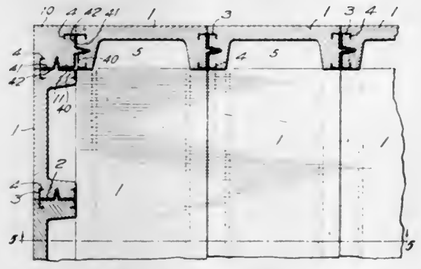
2,083,987

SLAB AND BUILDING CONSTRUCTION

Clarke F. Davis, Short Hills, N. J., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware

Application February 7, 1933, Serial No. 655,591

9 Claims. (Cl. 72—1)



1. A precast slab of set cementitious material having complementary metal members on opposite edge portions, the thickness of the slab at its edge portion being greater than its thickness intermediate thereof, its portion of greater thickness extending in a lateral direction beyond the metal member at that edge.

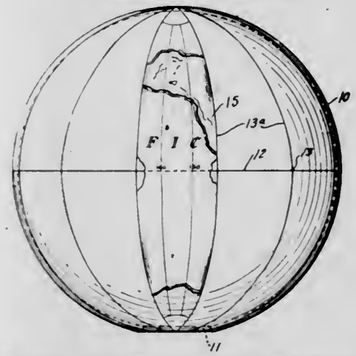
2,083,988

GLOBE

Raymond R. Dupler, Toledo, Ohio

Application August 5, 1936, Serial No. 94,314

3 Claims. (Cl. 35—46)



1. A globe of glass or similar material having an equatorial center line, a plurality of equally spaced circumferential lines dividing the equatorial line into equal sections intersecting each other in the center of one end of the globe, said lines being formed as ridges on the body and of the material of the body.

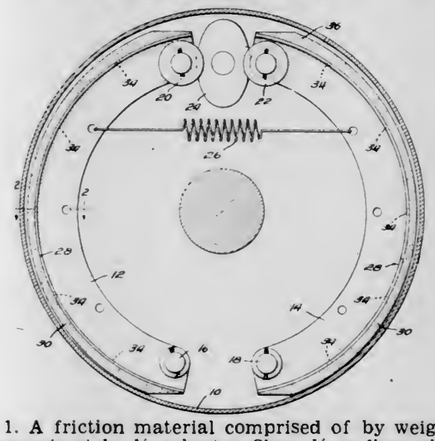
2,083,989

BRAKE

Frank J. Eisenhardt, Warsaw, Ind., assignor to Hoof-Brak Corporation, a corporation of Illinois

Application March 14, 1935, Serial No. 11,157

6 Claims. (Cl. 106—23)



1. A friction material comprised of by weight approximately ⅓ asbestos fibre, ⅓ sodium silicate, and clay, graphite, zinc oxide, and rubber in suitable proportion.

2,083,990

MEASURING DEVICE

Bernhard Fuchs, Hohen-Neuendorf, Germany, assignor to Telephon-Apparat Fabrik E. Zwietusch and Company, Berlin, Germany

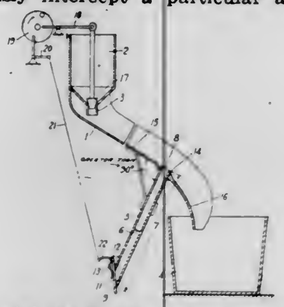
Application April 4, 1936, Serial No. 72,711

In Germany April 17, 1935

6 Claims. (Cl. 221—95)

1. In a device for measuring pulverulent material, a channel down which said material passes,

and a tube having one end inserted in the wall of said channel with the inserted end opened to continuously intercept a particular amount of



said material as it passes down said channel until the tube is filled, said tube having a small cross sectional area in proportion to its length.

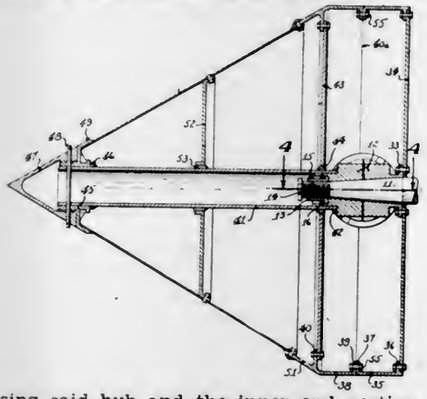
2,083,991
ADJUSTABLE CURTAIN
Hugo Geller, New York, N. Y., assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y., a corporation of New York
Application August 27, 1934, Serial No. 741,614
13 Claims. (Cl. 156—10)



3. As an article of manufacture a curtain having a body portion and a surplus fabric top portion merging with the upper end of the body portion and in extension thereof, a horizontal row of eyelets positioned at the line of merger of said body and top portions and constituting a rod-engaging eyelet passageway, a second and a third row of eyelets, constituting rod-engaging passageways, formed in said top portion in parallel spaced relation to said first eyelet passageway and to each other, corresponding eyelets in each row being vertically aligned, said top portion being reversely folded mid-way between said second and third row of eyelets to bring the vertically aligned eyelets in said second and third rows into cooperative registry to form a common eyelet passageway, and means for securing the folded plies together adjacent the free top edge of the top portion to form a hem and to retain said rows of eyelets in cooperative registry, said hem being large enough to constitute an additional rod-engaging passageway for hanging the curtain.

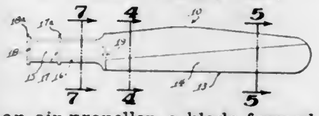
2,083,992
PROPELLER
Harold A. Hall, Los Gatos, Calif.
Application June 19, 1936, Serial No. 86,091
6 Claims. (Cl. 170—177)

1. In combination with a propeller shaft, a hub mounted thereon, a tubular member extending forwardly from said hub, means accessible through said tubular member for holding said hub upon said shaft, a blade extending from said hub, a substantially conical shield having its apex carried by said tubular member, said shield in-



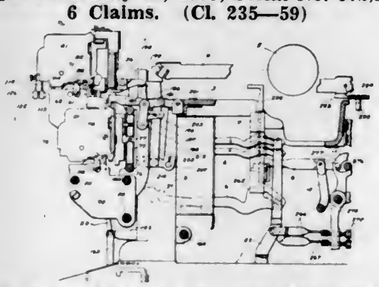
closing said hub and the inner end portion of said blade and being removable forwardly, and means for supporting the rear end of said shield from said hub.

2,083,993
PROPELLER BLADE
Harold A. Hall, Los Gatos, Calif.
Original application June 19, 1936, Serial No. 86,091. Divided and this application December 18, 1936, Serial No. 116,540
5 Claims. (Cl. 170—159)



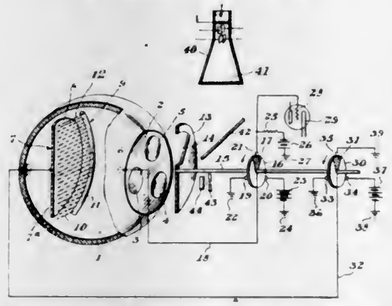
1. In an air propeller, a blade formed from an initially flat strip of substantially rectangular cross section, the back of said blade being beveled to produce a sharp leading edge, said bevel increasing in width and the angle between it and the face of the blade decreasing from the inner end to the outer end, and said blade being twisted about its longitudinal axis to decrease the pitch angle of said face from said inner end to said outer end.

2,083,994
ACCOUNTING MACHINE
Frederick A. Hart, Stamford, Conn., assignor to Remington Rand, Inc., Buffalo, N. Y., a corporation of Delaware
Application May 22, 1933, Serial No. 672,179
6 Claims. (Cl. 235—59)



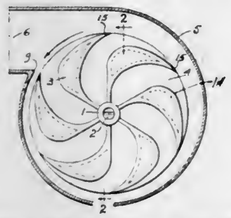
4. In a machine of the class described, the combination with two totalizers and means for entering items additively or subtractively in said totalizers, of individual clearance-testing devices for said totalizers, individual clear-sign printing devices under control of said clearance-testing devices, a carriage escapement mechanism, and means responsive to the simultaneous operation of said clear-sign printing devices for operating said escapement.

2,083,995
TELEVISION
François Charles Pierre Henroteau, Ottawa, Ontario, Canada, assignor to Electronic Television Company, Limited, Ottawa, Ontario, Canada
Application January 23, 1931, Serial No. 510,705
In Canada January 20, 1931
13 Claims. (Cl. 178—6)



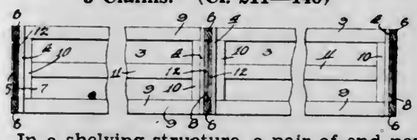
1. A method of electrical image transmission which comprises impressing an image upon a photosensitive surface, collecting the electronic emission from said surface to form an electrostatic reproduction of said image on means other than said surface, causing an electronic stream to be emitted from every point of said surface in sequence, causing said stream to be modulated by said electrostatic reproduction, and picking up the modulated stream at an anode.

2,083,996
CENTRIFUGAL FAN
Tage G. Jonn, Chicago, Ill., assignor to Breuer Electric Mfg. Co., Chicago, Ill., a corporation of Illinois
Application February 2, 1935, Serial No. 4,616
6 Claims. (Cl. 230—127)



1. A centrifugal fan with a plurality of blades radiating from the hub toward the fan's periphery; the forward surface, which is presented to the air, of each of said blades being curved backwardly relative to the fan's rotation and so formed that said surface will have the shape and function of a cam; said cam reaching the fan's periphery at a point so close to the forward surface of the following blade that the peripheral opening between the blades is restricted relatively to the distance between said blades at a point some distance inside of the fan's periphery.

2,083,997
UNIVERSAL METHOD OF SHELVING
Adolph D. Kahan, Chicago, Ill.
Application August 2, 1935, Serial No. 34,340
3 Claims. (Cl. 211—148)

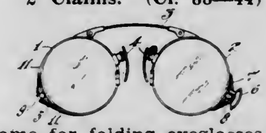


1. In a shelving structure, a pair of end posts, a panel secured between said posts and spaced from the inner sides of said posts, a shelf rest secured upon the inner sides of said posts, a plurality of pairs of intermediate posts, shelf rests secured upon opposite sides of each pair of intermediate posts and in the same horizontal plane as the shelf rests upon the end posts, a shelf resting at one end upon the shelf rest on the end posts and having a tongue engaging between such shelf rest and said panel and resting at its other end upon the nearside shelf rest upon the adjacent intermediate posts and having a tongue engaging substantially one half of the space between the shelf rests upon said adjacent intermediate posts, and a second shelf having a terminal tongue engaging the other half of said space.

2,083,998
RUBBER COMPOSITION
George D. Kratz, Scarsdale, and Wharton Jackson, New York, N. Y., assignors to Kaolin Processes Inc., Elizabeth, N. J., a corporation of New Jersey
No Drawing. Application December 29, 1933, Serial No. 704,472
4 Claims. (Cl. 106—23)

1. A method of making a vulcanized rubber composition which comprises treating finely divided clay with a substantially neutral and solid compound of an ethanolamine with a higher fatty acid, mixing the thus treated clay with rubber and then heating the resulting mixture to vulcanizing temperature to effect decomposition of said compound and the resultant release in situ of said ethanolamine.

2,083,999
OPHTHALMIC DEVICE
Albert M. Krementz, Maplewood Township, Essex County, N. J., assignor to Frank Krementz Company, Newark, N. J., a corporation of New Jersey
Application October 14, 1936, Serial No. 105,572
2 Claims. (Cl. 88—44)



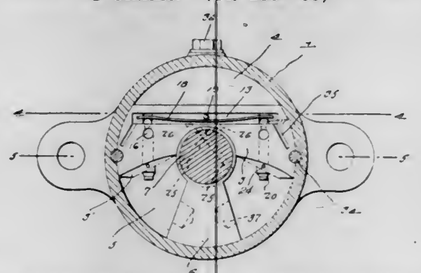
1. A frame for folding eyeglasses, comprising a pair of lens rims, connected by a spring bridge, a base attached to one of the rims, a handle having a latching element mounted on said base, a balancing member secured to the outer edge of the other rim and having substantially the same shape as the base, said balancing member having substantially the same weight as the base and handle and latching element and being located at a distance from the center of the spring bridge equal to the distance of the base and handle from said point, said balancing member being recessed to receive the latching member when the frame is folded.

2,084,000
PEN POINT
Kurt K. Ledig, Newark, N. J., assignor to American Platinum Works, Newark, N. J., a corporation of New Jersey
Original application December 21, 1935, Serial No. 55,541. Patent No. 2,080,140, dated May 11, 1937. Divided and this application July 1, 1936. Serial No. 88,366
1 Claim. (Cl. 120—109)



In the manufacture of a pen point, a blank for forming a pen nib, said blank having a recess in one end thereof, said recess extending entirely through the blank from one side to the other.

2,084,001
HYDRAULIC SHOCK ABSORBER
John C. McGinnes, South Williamsport, Pa.
Application April 12, 1935, Serial No. 16,076
4 Claims. (Cl. 188—89)



1. A device of the class described comprising a cylinder, a partition member dividing the cylinder into a reservoir and a compression chamber, a shaft extending into the compression chamber and having a bearing in a part of the partition member, an oscillating piston connected with the shaft and located in the compression chamber, said partition member having a control chamber therein having its ends in communication with the compression chamber at opposite sides of the piston, valve means for controlling such communication, said shaft having passages therein opening out into the compression chamber at opposite sides of the piston and said partition member having conduits therein for communicating with the passages in the shaft, when the shaft is in certain positions, said conduits communicating with the control chamber and valve controlled means for connecting the reservoir with the compression chamber at each side of the piston.

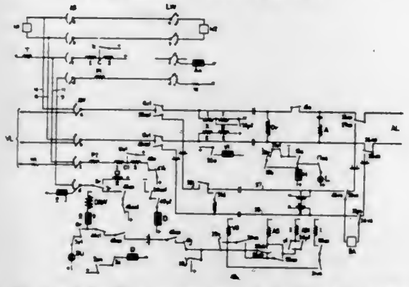
2,084,002
CARBURIZING FURNACE
Fredolf J. Peterson, deceased, late of Detroit, Mich., by Sadie F. Peterson, Detroit, Mich., executrix
Application September 13, 1935, Serial No. 40,382
5 Claims. (Cl. 263—47)

1. A stacked supporting apparatus for supporting within a retort metal articles to be heat treated and a carburizing material producing a carburizing gas when heated, said apparatus comprising oppositely faced cupped shaped members telescopically assembled, the side wall of the inner member being spaced from the side wall of the outer member, whereby to provide a central space for supporting metal articles to be heat treated



and an annular chamber surrounding said space for supporting the carburizing material.

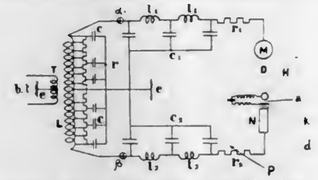
2,084,003
TELEPHONE SYSTEM
Walter Pfaff, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk Siemensstadt, near Berlin, Germany
Application June 14, 1935, Serial No. 26,558
In Germany June 22, 1934
6 Claims. (Cl. 179—26)



1. In a telephone system, a sub-exchange, a trunk line extending from a distant exchange connected to said sub-exchange, a selector switch in which said trunk line terminates, wipers on said selector switch having access to the subscribers' lines in said sub-exchange, a second trunk line extending to another exchange accessible to said selector switch wipers, means operated responsive to an outgoing trunk call to the distant exchange from a subscriber's line in the sub-exchange for operating said selector wipers as a finder to find the calling line and connect it with the first trunk line, an operator's position for receiving incoming trunk calls from the distant exchange over said first trunk line, means controlled by said operator in answering an incoming trunk call from the distant exchange for operating said selector wipers to connect said first trunk line with a subscriber's line, and means controlled by the operator in answering another incoming trunk call over said first trunk line from the distant exchange for operating said selector wipers to connect said first trunk line with said second trunk line and extend the said other incoming trunk call to the other exchange.

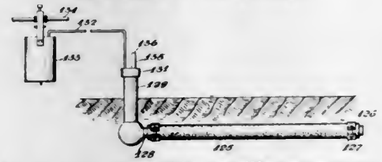
2,084,004
METHOD AND APPARATUS FOR PRODUCING SPECIAL ELECTRIC FIELDS
Bindo Riccioni, Rome, Italy
Application February 15, 1935, Serial No. 6,740
In Italy November 24, 1934
6 Claims. (Cl. 250—1)

1. A system for producing electric and magnetic fields which rapidly vary in value and direction for the treatment of small objects, said system comprising a number of oscillating circuits which have no inductive effect one upon the other, a feed circuit, each of said oscillating circuits having a spark gap, the spark gaps of the oscillating circuits being arranged in series, said oscillating circuits comprising an outer circuit having a spark gap which encloses the spark gaps of all other circuits, any other spark gap of an oscillating circuit being situated within another spark gap constituting a part of another oscillating circuit, and means interposed between said



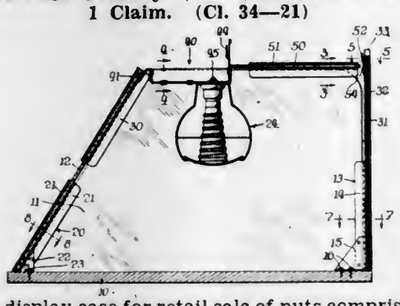
feed circuit and said outer oscillating circuit for transmitting electrical energy from said feed circuit to said outer oscillating circuit to produce a discharge at desired intervals at the spark gap of the outer circuit, whereby the discharge at the spark gap of the outer circuit interconnects all other oscillating circuits, the object to be treated being introduced into the innermost spark gap.

2,084,005
AUTO IRRIGATION SYSTEM
Lorenzo Adolph Richards, Ithaca, N. Y.
Application October 25, 1934, Serial No. 749,908
35 Claims. (Cl. 47—48)



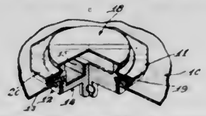
1. In an auto-irrigator, capillary vacuum wick structures which automatically become saturated when any part of said wick is in contact with liquid.

2,084,006
SHOWCASE
Lester M. Sawin, Chicago, Ill.; Emilyn J. Sawin, administratrix of said Lester M. Sawin, deceased, assignor to The Susu Nut Company, Chicago, Ill., a corporation of Illinois
Application January 6, 1934, Serial No. 705,520
1 Claim. (Cl. 34—21)



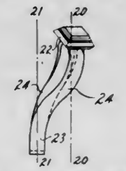
A display case for retail sale of nuts comprising, in combination, a rectangular base, front and end walls made of glass, the front wall being upwardly and rearwardly inclined, a top wall comprising in part a metal tray to support packages of nuts and constituting the front part of the top wall, said base being of substantially greater width in a front to rear direction than the top wall, a heater including a downwardly facing reflector suspended from the tray, said heater extending lengthwise of the case and being disposed in a vertical plane located substantially centrally of the base from front to rear, the rear side providing an opening for access to the interior of the case, the rear part of the top wall being made of glass to permit the contents of the case to be viewed readily.

2,084,007
CONTAINER CLOSURE
Morris Schwartz, Chicago, Ill., assignor to Barrel Fitting & Seal Corporation of America, Chicago, Ill., a corporation of Illinois
Application August 3, 1935, Serial No. 34,595
6 Claims. (Cl. 220—39)



1. The combination with a container having an outwardly formed body portion adjacent a hole in a supporting wall thereof, of a closure comprising a bung having a body portion engaging and sealing said hole and a flange extending radially outwardly from said body portion to provide a shoulder for seating on said outwardly formed body portion of the supporting wall, said flange having a peripheral groove extending a major portion of the width of said flange, and a hood having a depending portion for forced engagement with said groove and extending therebelow for enveloping said extending portion of said supporting wall whereby an application of pressure thereabove will distort the material of said flange above said groove to prevent undetectable access to the contents of said container.

2,084,008
FINGER RING
Thomas P. Shields, North Arlington, N. J.
Application September 4, 1935, Serial No. 39,110
4 Claims. (Cl. 63—15)

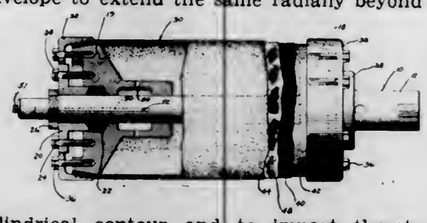


1. As a new article of manufacture a finger ring shaped and deflected from a plane normal to its axis so as to place the shank, when worn at the base of the third finger of the hand, within the crease formed between the finger and the palm of the hand without displacing the ornamentation or top setting from a position symmetrical with respect to the longitudinal axis of the finger.

2,084,009
APPARATUS FOR MAKING TIRE CASINGS
Ralph W. Sohl, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application September 7, 1934, Serial No. 743,097
8 Claims. (Cl. 154—9)

5. Tire-building apparatus comprising a shaft, hubs carried at spaced points on the shaft, a resilient, normally cylindrical envelope secured at its ends to the hubs, said envelope constituting means for receiving tire components during tire-building operations, and means for inflating said

envelope to extend the same radially beyond its



cylindrical contour and to impart thereto a crowned configuration.

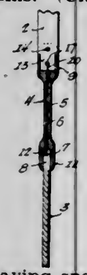
2,084,010

FUSE LINK CONSTRUCTION

Alwin G. Steinmayer, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application May 3, 1935, Serial No. 19,670

10 Claims. (Cl. 200—135)



1. A fuse link having spaced terminal sections each provided with a transverse aperture, a strain wire connecting said sections and having its ends looped through said apertures and twisted upon the intermediate portion of the wire, and a fusible portion having a relatively low melting point and connecting the terminal sections, said fusible portion encasing all portions of the strain wire.

2,084,011

RESINOUS MERCAPTAZOLE DERIVATIVES

Jan Teppema, Boston, Mass., assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 23, 1935, Serial No. 23,028

12 Claims. (Cl. 260—44)

1. As a new composition of matter, the resinous product obtainable by resinifying with formaldehyde the reaction product of a 1-mercapto aryl thiazole, formaldehyde and an ammonium sulphide.

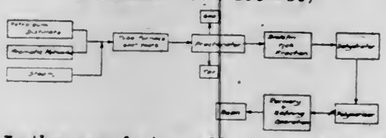
2,084,012

PYROLYSIS OF HYDROCARBONS FOR RESIN MANUFACTURE

Charles A. Thomas, Dayton, Ohio

Continuation of application Serial No. 702,796, December 16, 1933. This application May 6, 1935, Serial No. 19,979

9 Claims. (Cl. 196—50)



1. In the manufacture of hydrocarbon polymers involving the cracking of a volatized petroleum hydrocarbon charging stock at 600°-1000° C. for the production of a distillate rich in diolefine hydrocarbons that undergo polymerization and gum formation readily, which distillate is polymerized in the presence of a Friedel-Crafts type catalyst under controlled conditions to form commercially valuable resins, the improvement characterized in that the petroleum hydrocarbon charging stock contains an aromatic hydrocarbon and is pyrolyzed in vapor phase.

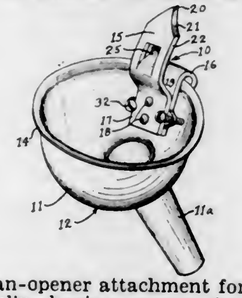
2,084,013

CAN OPENING FUNNEL ATTACHMENT

Charles F. Bertschinger, Waterbury, Conn., assignor to The Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application May 2, 1934, Serial No. 723,519

15 Claims. (Cl. 221—23)



1. In a can-opener attachment for a funnel, a U-shaped clip having means for detachably clamping upon the rim of the funnel bowl, and a cutter blade permanently and rigidly secured to the inner arm of said clip for piercing the wall of a can.

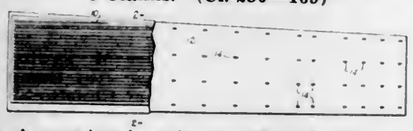
2,084,014

FLEXIBLE COVERING FOR AUTOMOBILE RUNNING BOARDS

Budd Bronson, Cleveland, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio

Application July 3, 1933, Serial No. 678,855

8 Claims. (Cl. 280—169)



7. A running board cover flexible throughout comprising a sheet of molded and vulcanized rubber having embedded therein a reinforcement consisting of a plurality of elongated metal members in substantially coextending laterally spaced relation to each other, and spaced mechanical fasteners having connection with said reinforcing members and projecting from the underside of the cover.

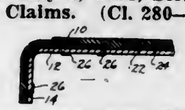
2,084,015

AUTOMOBILE RUNNING BOARD COVER SECURING DEVICE

Budd Bronson, Cleveland, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio

Application May 4, 1934, Serial No. 723,951

4 Claims. (Cl. 280—169)



1. A running board cover flexible throughout comprising a sheet of rubber having molded and

embedded therein a reinforcing means formed of spaced metal plates and wires connecting adjacent plates with each other.

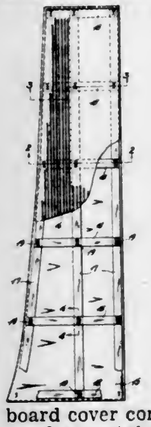
2,084,016

COVER FOR AUTOMOBILE RUNNING BOARDS AND THE LIKE

Gerald F. Cavanagh, Euclid, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio

Application May 11, 1934, Serial No. 725,164

9 Claims. (Cl. 280—169)



1. A running board cover comprising an upper layer of rubber and a metal reenforcement to which the rubber is molded and vulcanized, and means for fastening the cover to a running board comprising a series of clips each having a head portion embedded in the lower part of the rubber next to the reenforcement and a shank portion extending through the lower face of the reenforcement with a lateral extension having a cam surface thereon adapted when the shank portion is twisted to bind the cover to the running board.

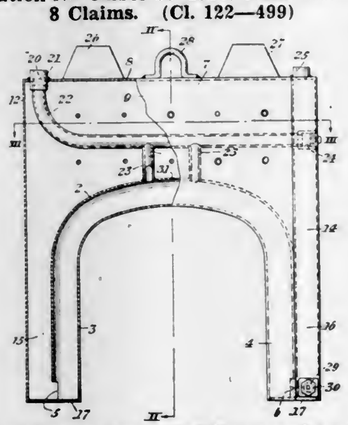
2,084,017

FURNACE DOOR FRAME

Willard P. Chandler, Jr., Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey

Application November 14, 1936, Serial No. 110,869

8 Claims. (Cl. 122—499)



1. A hollow water cooled furnace door frame, comprising a header forming the arch of the door frame, a plurality of plates forming the hollow top portion of the frame extending above the top of the header, a plurality of said plates extending downwardly exteriorly of the header and cooperating with the header to form the hollow legs of the frame, said header at the lower ends thereof having outlet openings communicating with the hollow legs of the frame and said frame having inlet and outlet openings therein, and a conduit positioned within the hollow top portion of the frame and opening into said header for supplying a cooling fluid directly from the inlet to said header.

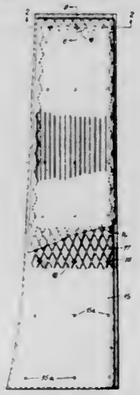
2,084,018

RUNNING BOARD COVER

George N. Edwards, Willoughby, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio

Application June 30, 1934, Serial No. 733,283

5 Claims. (Cl. 280—169)



1. A cover for running boards and the like comprising a sheet of rubber having a reenforcement embedded therein substantially flush with the lower face of the rubber and formed of an expanded strip of metal having openings or meshes formed by bars with junction points at intervals, and mechanical fasteners connected with the reenforcement at certain of the junction points and projecting from the lower side of the cover.

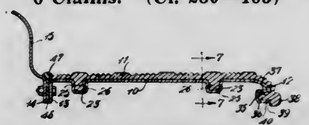
2,084,019

RUNNING BOARD

George N. Edwards, Willoughby, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio

Application January 25, 1935, Serial No. 3,451

6 Claims. (Cl. 280—163)



1. A running board comprising a metal running board body having laterally spaced longitudinally extending hollow ribs providing corresponding recesses accessible from the top of the metal body, and an extruded rubber cover for said body having spaced integral projecting tongues extending into said recesses, the side wall of said hollow ribs having portions thereof deflected into said recesses and into engagement with said projecting tongues.

2,084,020
COOKED VARNISHES
Herbert A. Endres, Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 24, 1934, Serial No. 712,800
14 Claims. (Cl. 134—17)

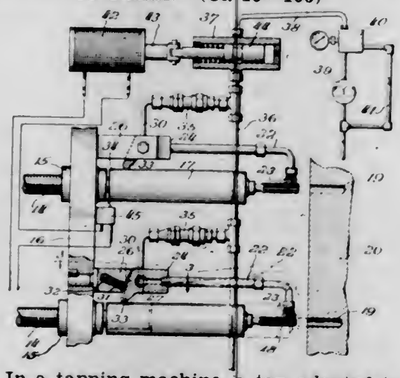
1. A cooked varnish which comprises a drying oil and a condensation derivative of rubber obtainable by treating rubber with a condensing agent from the group consisting of halides of amphoteric metals and chlorostannic acid.

2,084,021
COVER FOR RUNNING BOARDS AND THE LIKE
William E. England, Willoughby, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio
Application June 8, 1934, Serial No. 729,626
7 Claims. (Cl. 280—169)



1. A flexible cover for a running board comprising rubber having a plurality of spaced metal reenforcements embedded flush with the lower surface of the rubber and distorted to form interlocking means between the rubber and the metal.

2,084,022
TAPPING MACHINE
Edward D. Frank, Cincinnati, Ohio, assignor to The National Automatic Tool Company, Richmond, Ind., a corporation of Indiana
Application February 10, 1936, Serial No. 63,080
13 Claims. (Cl. 10—106)



1. In a tapping machine, a tap adapted to be fed forwardly into the work, a cleaning element adapted to engage the tap, means for holding said cleaning element in contact with the tap during a substantial axial movement thereof, and means actuated by the forward movement of the tap to a predetermined position for moving said cleaning element laterally away from said tap.

2,084,023
RUNNING BOARD COVER
Charles H. Getz, East Cleveland, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio
Application May 10, 1934, Serial No. 724,939
3 Claims. (Cl. 280—169)



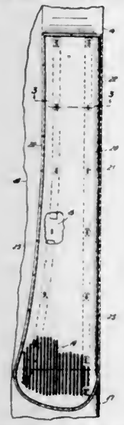
1. A running board cover comprising an upper sheet of rubber, and a metal reenforcement to which the rubber is molded and vulcanized, the cover having its front portion molded with a predetermined curvature and the reenforcement having a bending line adjacent thereto whereby it may be made to conform to the curved front of a running board.

2,084,024
COVER FOR RUNNING BOARDS AND THE LIKE
Charles H. Getz, East Cleveland, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio
Application May 10, 1934, Serial No. 724,940
8 Claims. (Cl. 280—169)



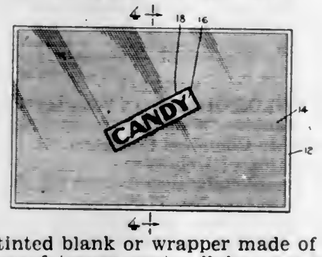
1. A flexible cover for running boards and the like comprising a sheet of vulcanized rubber having anchorage plates embedded in the lower side thereof substantially flush with the lower side of the rubber sheet, and mechanical fasteners having head portions also molded in the rubber in engagement with the anchorage plates and having shank portions extending through the anchorage plates and projecting downwardly below the lower surface of the rubber.

2,084,025
COVER FOR RUNNING BOARDS AND THE LIKE
Charles H. Getz, East Cleveland, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio
Application May 14, 1934, Serial No. 725,537
8 Claims. (Cl. 280—169)



1. The combination with an automobile running board and adjoining fender, of a rubber cover for the running board having a portion overlapping a portion of the fender, a binding strip extending around the cover secured to the running board and fender in overlapping relationship with the cover, and said cover having inside its margin a plurality of clips embedded in the lower portion of the cover and having shank portions extending through the lower portion of the cover and through openings in the running board and fender whereby the cover is held in place on the running board and fender along its margin and inwardly thereof.

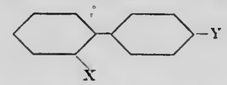
2,084,026
TRANSPARENT PRINTED WRAPPER AND METHOD OF MAKING THE SAME
Irving Gurwick, Mount Vernon, Ohio, assignor, by mesne assignments, to Shellmar Products Company, Chicago, Ill., a corporation of Delaware
Application May 12, 1932, Serial No. 610,851
Renewed November 7, 1936
6 Claims. (Cl. 41—21)



2. A tinted blank or wrapper made of lustrous grease-proof transparent cellulose paper having colored printed matter, a metallic background area for said printed matter, the metallic background area being printed directly on the transparent paper, the colored printing being a transparent color superimposed on the background area, and a portion of the remainder of said sheet being tinted by a coating of transparent color applied directly to the surface of the sheet exclusive of the aforesaid metallic background area.

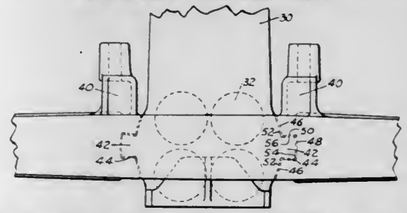
2,084,027
HYDROXY-CHLORODIPHENYL DERIVATIVES
Morton Harris, Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application March 21, 1935, Serial No. 12,252
10 Claims. (Cl. 260—154)

10. A new chemical compound having the formula—



where one of the groups X and Y is selected from the class consisting of, OH and ONa, while the other group is a chlorine atom.

2,084,028
SPRING PLANKLESS TRUCK
William C. Hedgcock, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 15, 1935, Serial No. 36,269
33 Claims. (Cl. 105—197)

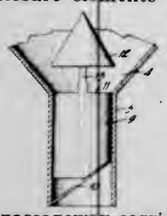


1. In a truck the combination of a side frame including tension and compression members and spaced column guides integrally connecting said members and forming a bolster opening, a bolster extending into said opening, said bolster and column guides having cooperating sliding surfaces, each of said surfaces comprising spaced arcuate portions and a centrally located guide flange on said bolster received in a complementary slot formed on one of said column guides, said flange having two faces whose respective planes intersect in the vertical plane which bisects the bolster longitudinally.

2,084,029
DISPENSER
Samuel Hochstim, Hudson, N. Y.
Application March 28, 1935, Serial No. 13,405
4 Claims. (Cl. 221—114)

1. A dispensing device of the character described for dry material of the order of ground coffee comprising a container having a tubular element depending from the bottom thereof and forming a passageway for the discharge of material by gravity from said container, a second tubular element slidably fitted within said first tubular element and connected through a slotted

opening in said first mentioned tubular element to a ring about said first element forming a grip for moving said second element within said first element, and closure elements for the top and



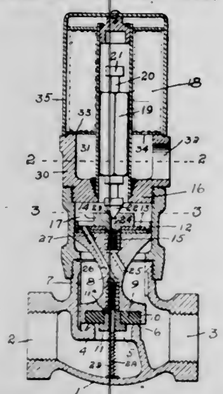
bottom of said passageway carried by said second tubular element; said passageway being normally closed at the top and open at the bottom, and closed at the bottom when fully open at the top.

2,084,030

COMBINED ELECTRICALLY AND HYDRAULICALLY CONTROLLED VALVE

Arnold F. Hoppe, Indianapolis, Ind., assignor to E. C. Atkins and Company, Indianapolis, Ind., a corporation of Indiana

Application May 14, 1936, Serial No. 79,741
5 Claims. (Cl. 137—139)



1. In a valve structure, a body portion having an inlet and an outlet, a partition separating said inlet and outlet, said partition having an opening therethrough, a valve seat surrounding said opening, a cylinder associated with said body portion, a piston in said cylinder, said piston having an inlet passage therethrough, a valve carried by said piston, a stud for holding said valve in engagement with said piston, said stud having a port forming a continuation of said inlet passage, a rod like member entering the port from the lower end thereof, the lower end of said rod like member resting on the inner lower wall of said body portion, said rod clearing said port of foreign substances and determining the flow of fluid through said port.

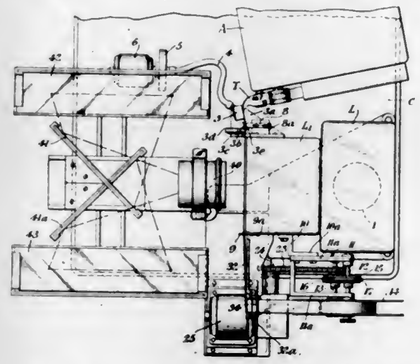
2,084,031

TAPE-DRAWING ARRANGEMENT

Peter Francis Hughes, Jr., Rahway, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y., a corporation of Delaware

Application July 21, 1934, Serial No. 736,308
9 Claims. (Cl. 271—2.1)

1. In a system of the character described, means defining a substantially horizontal path for the passage of a character-bearing tape through a projection field, means for changing the course of said tape after passage through said projection field so that it passes along a sec-



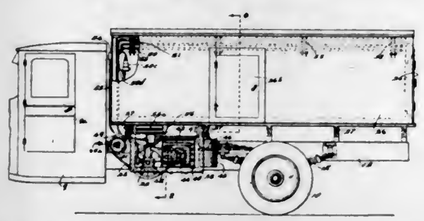
ond path disposed substantially at right angles with respect to said first named path while maintained approximately horizontal, and tape-drawing means positioned to coact with said tape while it passes along said second path.

2,084,032

REFRIGERATING APPARATUS ON TRUCKS

Clifford A. Ives, Minneapolis, Minn.

Application May 19, 1932, Serial No. 612,205
8 Claims. (Cl. 62—117)



1. In an automotive vehicle adapted to be driven by an internal combustion motor and having a frame and a transmission mechanism including a shaft extending longitudinally of said frame, the combination of a second shaft driven from said shaft, a compressor forming part of a refrigerating unit, means for driving said compressor from said second shaft including a speed regulating governor, an overrunning clutch and a manually operated clutch, an electric motor carried by said frame and means for driving said compressor from said electric motor, said overrunning clutch being constructed and arranged not to drive when said compressor is being driven from said electric motor and when said vehicle is in reverse gear.

2,084,033

DICHLOROHYDROXYDIPHENYL

Russell L. Jenkins, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application August 26, 1936, Serial No. 98,065
2 Claims. (Cl. 260—154)

1. The compound 4,4'-dichloro-2-hydroxydiphenyl.

2,084,034

4-AMINODIPHENYL COMPOUNDS

Russell L. Jenkins, Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application November 9, 1934, Serial No. 752,221
9 Claims. (Cl. 260—130.5)

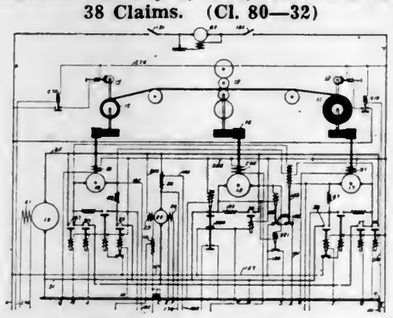
9. The addition salt of 4-aminodiphenyl and a monohydroxydiphenyl.

2,084,035

ROLLING MILL DRIVE AND CONTROL SYSTEM

Alonzo F. Kenyon, Wilkinsburg, and Willard G. Cook, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 3, 1934, Serial No. 705,073
38 Claims. (Cl. 80—32)



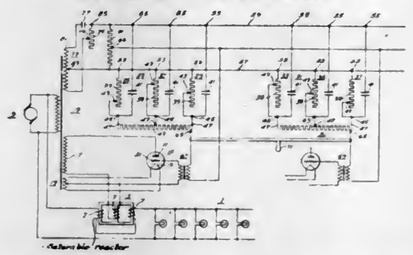
1. In a rolling mill, winding and unwinding reels for handling strip material being worked by the mill, dynamo-electric machines for driving the reels, a power source, a booster generator, and means whereby either of said dynamo-electric machines may be connected to the power source to operate as a motor and the other connected to the power source in series with the booster generator to operate as a braking generator to tension the material, as it is being worked by the mill.

2,084,036

CONTROL APPARATUS

Dewey D. Knowles, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 14, 1934, Serial No. 757,558
10 Claims. (Cl. 172—246)



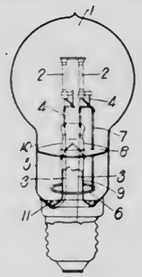
8. Apparatus for controlling a plurality of translating devices comprising a means individual to each said device for impressing a periodic potential thereon, a source of periodic voltage common to all said means, means for adjusting, at will and independently of the other said potentials, the phase of each said potential relative to the phase of said source, a second source of periodic voltage for supplying energy to the first-mentioned source and means for shifting at will the phase of the voltage of the first-mentioned source relative to that of said second source.

2,084,037

ELECTRIC RARE GAS FILLED LAMP

Anton Lederer, Vienna, Austria; Catherine Danzer and General Conrad Randa, executors of said Anton Lederer, deceased, assignors to Ernest Anton Lederer, Glen Ridge, N. J.

Application December 20, 1930, Serial No. 503,804
In Austria December 28, 1929
5 Claims. (Cl. 176—122)



1. An electric illuminating lamp comprising an envelope having a filling consisting of at least one rare gas, cooperating electrodes therein at least one of which is of the indirectly-heated electron emissive type, means for applying a potential between said electrodes, said electrodes having such a spacing in relation to the rare gas pressure that the rare gas is excitable thereby to luminescence as an intense aureole, and a small quantity of mercury located within said envelope in a position where it will be heated and vaporized by but only partly accessible to the circulating hot rare gas and so shielded from the heat thereof that the mercury will be incompletely vaporized and thereby avoid predominance of mercury light.

2,084,038

VULCANIZATION OF RUBBER

Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 10, 1933, Serial No. 697,535
26 Claims. (Cl. 18—53)

1. A process of treating rubber which comprises vulcanizing the same in the presence of phenacylidene di(dimethyl dithiocarbamate).

2,084,039

COOKED VARNISHES

John A. Lutz, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 19, 1935, Serial No. 41,293
1 Claim. (Cl. 134—17)

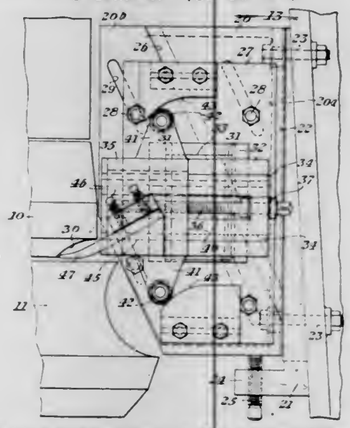
A cooked varnish which includes a drying oil and a considerable proportion of an oxidized condensation derivative of rubber which derivative is obtainable by the treatment of rubber with either the halide of an amphoteric element or a chlorostannic acid.

2,084,040

TOOL SUPPORT

George E. Mirfield, Youngstown, Ohio, assignor to The Youngstown Sheet & Tube Company, Youngstown, Ohio, a corporation of Ohio

Application July 5, 1935, Serial No. 29,906
6 Claims. (Cl. 82—14)



1. A tool holder comprising a base plate, a slide freely movable longitudinally thereof, a second slide carried on the first and movable transversely therealong, a tool holder carried by the second slide, cooperating means on said slides for effecting movement of one relative to the other, and cooperating cam means on one of said slides and said plate for effecting longitudinal movement of both slides on movement of said one of said slides.

2,084,041

STORAGE ROLL FOR FILMS

Franz Momber, Wolfen, Kreis Bitterfeld, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application December 28, 1934, Serial No. 759,509
In Germany December 30, 1933
4 Claims. (Cl. 206—59)



1. A storage roll comprising individual lengths of film wound to separate rolls fitting within one another, a protective paper strip wound between each individual length and around the last individual length so that after unwinding an individual length of film the roll is still complete in itself.

2,084,042

RUBBER DERIVATIVES

Thomas C. Morris, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 10, 1935, Serial No. 30,731
10 Claims. (Cl. 260—1)

1. The method of treating rubber with the halide of an amphoteric metal which comprises heating a rubber cement to a temperature of at least 160° F. to eliminate air from the cement and reaction vessel and then while the cement is at a temperature of at least 160° F. adding the halide of an amphoteric metal thereto.

2,084,043

CONDENSATION DERIVATIVES OF RUBBER

Thomas C. Morris, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 19, 1935, Serial No. 41,292
4 Claims. (Cl. 260—1)

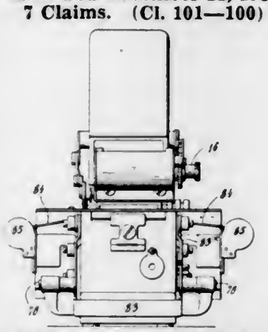
1. A method of preparing an oxidized condensation derivative of rubber obtainable by the action on rubber of either a halide of an amphoteric metal or chlorostannic acid, which comprises heating the condensation derivative of rubber in contact with air while circulating heated air over the surface of the derivative to equalize the temperature thereof and prevent local overheating.

2,084,044

ENDORSING MACHINE

William F. Muller, Brooklyn, N. Y., assignor to William A. Force, III, New York, N. Y.

Application May 20, 1933, Serial No. 672,058
Renewed November 11, 1936
7 Claims. (Cl. 101—100)



1. In endorsing machines for checks and the like, a base member, a platen supported by the base member, manually operable switch mechanism carried by the base member and adapted to close and open a circuit through a uni-directional movement of the operator upon one member of said switch devices, an arm rising from the base member, a casing supported by the arm, an electrical actuating device within the casing, a printing carriage connected to said actuating device and including a ribbon-holding means and means for intermittently advancing the ribbon, said means including a ratchet wheel, a pawl, a pawl lever and a link device carried by the carriage and connected to the pawl lever whereby the ratchet wheel is given a movement upon each operative and return movement of the printing carriage.

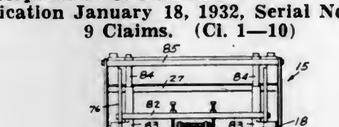
2,084,045

LOCK MEANS FOR GASOLINE TANK CAPS

Elling Olsen, Seattle, Wash.

Application February 24, 1936, Serial No. 65,301
3 Claims. (Cl. 220—55)

1. The combination with the gasoline tank of a motor vehicle, which gasoline tank has an elbow shaped filler tube provided with a cap, of a horizontal bar member provided within said cap adapted to engage said filler tube, said bar member having bolt receiving recesses; a vertically movable bolt positioned within said filler tube adapted to lock into said recesses of said bar member; guide means for said bolt positioned against the outer curved wall of said elbow shaped filler tube; an operating wire connected with said bolt and extending downwardly



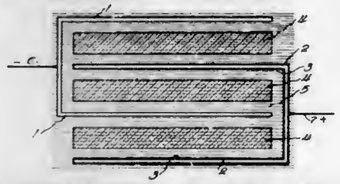
through the outer curved side of said elbow shaped filler tube and to a position accessible to a person occupying the driver's seat of the vehicle; a conduit connected with said filler tube and shielding and guiding said operating wire; and a control member connected with the forward end of said operating wire.

2,084,046

ELECTROLYTE AND DEVICE EMPLOYING THE SAME

John T. Owen, Chicago, Ill., assignor, by mesne assignments, to Tung-Sol Lamp Works Inc., Newark, N. J., a corporation of New York

Application January 20, 1932, Serial No. 587,678
26 Claims. (Cl. 175—315)



1. An electrical device comprising a film-forming metal electrode in contact with an electrolyte comprising as the essential ingredient salt of hydroxy alkyl amine and weak electrolytic acid.

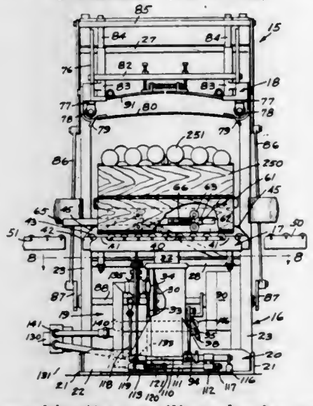
4. An electrical device comprising a film-forming metal electrode in contact with an electrolyte comprising the reaction products of a mixture of fatty acid, weak electrolytic acid, and hydroxy alkyl amine.

2,084,047

BOX LIDDER

Hale Paxton, Redlands, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware

Application January 18, 1932, Serial No. 587,388
9 Claims. (Cl. 1—10)



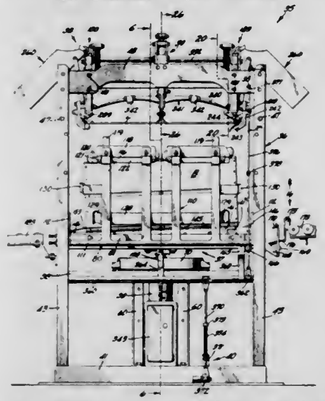
1. In combination: nailing chucks; means for elevating a box towards said chucks to press a lid on said box; nailing means operable independently of said elevating means to nail said lid to said box when it is so pressed; and control means responsive to said nailing means to automatically lower said elevating means when said nailing function has been performed.

2,084,048

AUTOMATIC LID NAILING MACHINE

Hale Paxton, Redlands, and Gerald C. Paxton and Harry D. Benson, Santa Ana, Calif., assignors, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware

Application September 5, 1933, Serial No. 688,104
65 Claims. (Cl. 1—10)



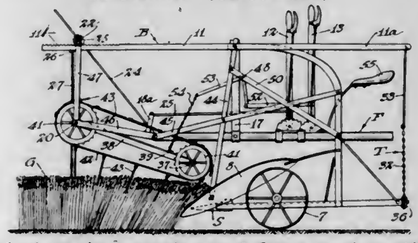
1. In a nailing machine the combination of: nailing table means for supporting work to be nailed; a nailing unit including nail drivers and nail chucks, the latter being in alignment with and slidably disposed relative to said drivers; a frame upon which said table and unit are mounted, said frame including a positive drive mechanism for causing relative vertical movement between said table and said unit, said movement accomplishing the driving of nails into said work; an electric motor directly connected as a prime mover to said drive mechanism; and a control switch for energizing said motor to cause it to run in one direction or the other to relatively move said table and said unit towards or away from each other or for deenergizing said motor.

2,084,049

REEL FOR GRAIN HARVESTING MACHINES

Leo Rosenvold, Wildrose, N. Dak.

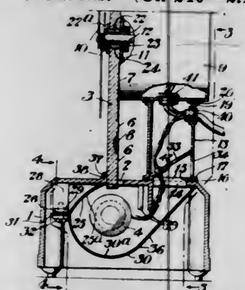
Application September 11, 1936, Serial No. 100,254
14 Claims. (Cl. 56—219)



11. A grain engaging reel for a grain cutting agricultural machine comprising a group of similar, spaced, parallel, endless, flexible elements, guide means suited for mounting thereof on a grain cutting machine and adapted for support-

ing said group and guiding the same in movement through an endless path having a portion extending generally in the line of travel of said machine, means for moving said element through said path with the portion of said group in said portion of its path moving rearwardly relative to said machine, a series of flaps disposed transversely of said group, and a pair of relatively flexible connecting elements connecting a longitudinal edge of each flap to respective peripherally spaced portions of said group.

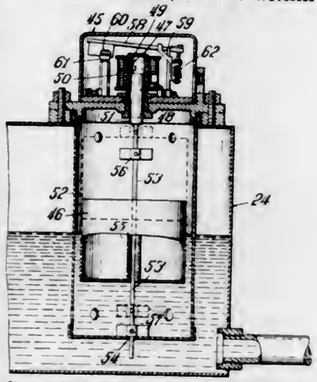
2,084,050
CLOCK
Paul Schuyler Van Bloem, Great Neck, N. Y., assignor to Viking Products Corporation, New York, N. Y., a corporation of New York
Application June 26, 1935, Serial No. 28,417
9 Claims. (Cl. 240—2.1)



1. In combination, a luminous face clock having a hollow base with a slot in its upper side, a lamp within the base in register with said slot, a face panel of transparent material extending upward from the base and with its lower edge exposed through said slot, and a casing for a clock mechanism back of said panel and spaced above the base; a hollow column rearward of said panel and supporting said casing on the base and having at its rear side an air outlet; air baffle walls within the base and within said column defining an air draft passage containing and surrounding the lamp within the base and extending rearward and upward from the lamp and across the interior of the column to said air outlet at the rear of the column, the base having air space therein at the front, rear and bottom of the exterior of said passage and open to atmosphere, and the passage having an entrance for air below the level of said outlet; and a light-reflecting surface within the passage and beneath the lamp to reflect rays from the latter upward.

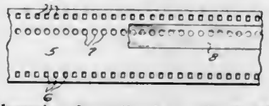
2,084,051
FLOAT CONTROLLED SWITCH MECHANISM
John Van Vulpen and Edward A. Russell, Chicago, and Paul B. Parks, Oak Park, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application January 15, 1934, Serial No. 706,650
1 Claim. (Cl. 200—84)

In combination, a closed container for a liquid, an electro-magnetic device comprising a thimble mounted in the top of the container, the thimble being closed at its upper end and opening at its lower end into the container, a normally energized coil surrounding the thimble, a core guided for vertical movement within the thimble, a switch mechanism positioned adjacent the coil and comprising an operating arm that is attracted to one position when the core is elevated within the coil, means for moving the arm to a second position when the strength of the magnet is diminished by lowering the core to a partially withdrawn position, the core when elevated within the coil being retained in that position by the magnetic attraction of the coil, a member suspended from the core, a float within the con-



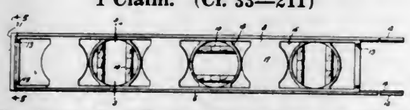
tainer adapted to cooperate with said member to elevate the core within the coil when the float is raised to a predetermined level, and to withdraw the core from the coil when the float is lowered to a second predetermined level, and means within the container to support said suspended member when the core is in withdrawn position.

2,084,052
CARRIER FOR CODE MESSAGES
Joseph B. Walker, Beverly Hills, Calif.
Application September 28, 1933, Serial No. 691,406
3 Claims. (Cl. 178—112)



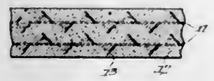
1. The herein described method of forming a code message which consists of securing a sheet of fragile and easily perforated material upon a backing of a stronger non-expansible and non-contractile material having a series of equally spaced openings formed therethrough and over which openings said sheet of fragile material lies and then punching the sheet of fragile material through selected ones of said openings of the stronger material to thereby form a message pattern.

2,084,053
LEVEL
George W. Wilson, Delbarton, W. Va.
Application April 14, 1936, Serial No. 74,318
1 Claim. (Cl. 33—211)



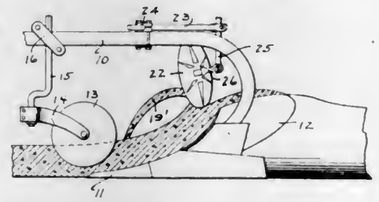
The level described comprising a stock having transverse openings at intervals in its length and also having upper and lower lateral flanges with longitudinal grooves in their opposed sides, indicating means including glasses in said openings, and a longitudinally slidable shield having side walls disposed in said grooves and also having end portions joining said side walls and guided in the stock; the said side walls of the shield having spaced closed or imperforate portions and also having openings at opposite sides of said closed or imperforate portions.

2,084,054
GASKET
George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich., a corporation of Michigan
Original application January 3, 1931, Serial No. 506,441, now Patent No. 1,928,585, dated September 26, 1933. Divided and this application September 23, 1933, Serial No. 690,739
1 Claim. (Cl. 288—1)



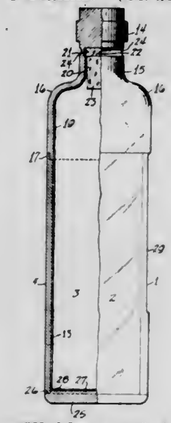
A gasket comprising a plurality of alternate layers of cushion material and metal, a unitary, intermediate layer of cushion material disposed between adjacent metal layers, the metal layers having struck-up projections extending outwardly from their faces for holding the layers together, said intermediate layer of cushion material having the holding projections extending thereinto from opposite sides of the cushion layer, at least one of said metal layers having a layer of cushion material on the side thereof opposite said intermediate layer, and projections formed on the metal layer and extending into the last mentioned cushion layer.

2,084,055
BREAKING PLOW
Earle S. Cascadden, Lapel, Ind.
Application June 20, 1936, Serial No. 86,229
5 Claims. (Cl. 97—209)



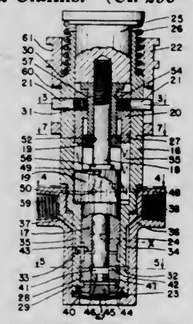
1. In combination with the moldboard of a plow designed to turn over a furrow, a concave disc having a diameter equal to approximately the furrow width, and means carried by the plow for revolubly mounting the disc ahead of the moldboard but rearwardly of the plow point, said disc being positioned to have its concave side turned forwardly and its upper edge leaned ahead of its lower edge and extending above the top of the moldboard, the lower edge of the disc being spaced ahead of the moldboard only a sufficient distance to shave off the forward side of the furrow while it is turning up over and transversely across the front of the moldboard and being substantially parallel to the portion of the moldboard horizontally therebehind, the horizontal and vertical angularity of the disc being adjusted through said means to deflect all matter on said forward side of the furrow ahead of and downwardly within the path of the overturning furrow so as to be completely covered over thereby.

2,084,056
NONREFILLABLE CHARRED WOOD LIQUOR BOTTLE
Johnny Costello, Represa, Calif.
Application April 8, 1935, Serial No. 15,303
3 Claims. (Cl. 217—6)



1. A non-refillable wood bottle including a neck portion with a closed top and a groove in the outer surface of the neck, said neck having a recess for receiving a stopper from the inside of the bottle, and a stopper in the neck portion, the recess having an enlargement disposed adjacent to the groove, said stopper having a head receivable in the enlargement.

2,084,057
FUEL INJECTOR
Louis O. French, Milwaukee, Wis., assignor to Ethel Quarles French, Milwaukee, Wis.
Application February 23, 1937, Serial No. 127,185
12 Claims. (Cl. 299—107.2)

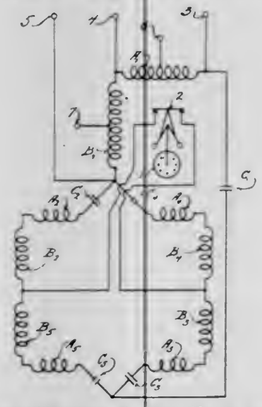


1. In a fuel injector, the combination of a casing having a supply port, a pump barrel mounted to turn and reciprocate in said casing and provided with an inlet port communicating with said supply port and having a closed valved end seating on said casing and controlling the discharge of fuel from said barrel, a plunger reciprocating in said barrel, means to turn said barrel during the operation of the engine, and means to normally hold the valved end of said barrel against its seat.

2,084,058
CONDENSER MOTOR
Frank J. Lyden, Indianapolis, Ind.
Application December 19, 1935, Serial No. 55,240
18 Claims. (Cl. 172—233)

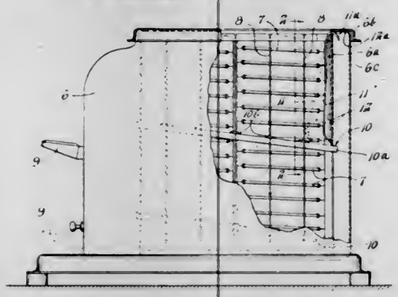
1. In a single phase condenser motor of the class described having two members constituting

a stator and a rotor, a main phase winding for connection to a power line and an auxiliary phase winding on one of said members, one of said phase windings having a plurality of sections, condenser means having a plurality of sections certain of which have different values, a four-arm bridge circuit formed by part of the sections of the last mentioned phase winding and the condenser means, each of two of the arms of the bridge circuit having at least one of the said sections of the last mentioned phase winding and the other two arms each having condenser means



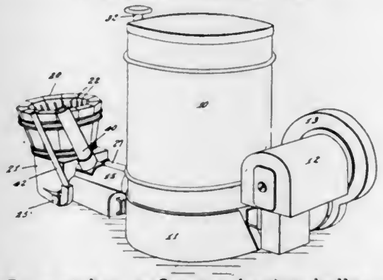
therein, a switch connected to the cross arms of the bridge, said bridge circuit constituting a part of at least one of said phases and being connected in series with the remainder of one of said phases and in parallel with the other of said phases, said switch having a closed circuit and an open circuit position, said switch in closed circuit position producing one effect of the turns of at least one of said phases and a certain effective condenser capacity, and when in open circuit position decreasing the effect of the turns in said last mentioned phase and the effective condenser capacity.

2,084,059
TOASTER
Duncan F. McPherson, Minneapolis, Minn.
Application July 8, 1936, Serial No. 89,513
17 Claims. (Cl. 53—5)



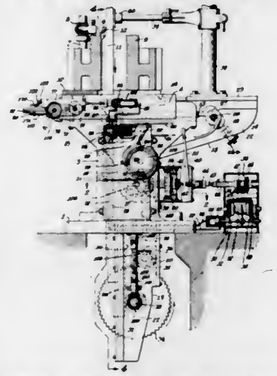
1. A toaster comprising a heating element for toasting food products, a guard element protecting the product being toasted from direct contact with the heating element and thermostatic means operated by the heat of the heating element and moving the product relative to the guard element during the toasting operation to prevent a guard element shadow mark from appearing on the toasted product.

2,084,060
STOKER
Otto N. Moore and Robert P. Moore, Indianapolis, Ind.
Application September 21, 1934, Serial No. 744,916
2 Claims. (Cl. 110—45)



1. In a stoker, a fire-pot having hollow walls provided with inwardly opening tuyères, a hollow base supporting said fire-pot, the interior of said base communicating with the interior of said walls, said base having a generally vertical curved wall, means for discharging air into said base near the bottom thereof and tangentially of said curved wall, said base being provided with an opening positioned to receive air deflected by said wall, and a pipe communicating with the interior of said base through such opening, said pipe extending upwardly to a point above and adjacent said fire-pot.

2,084,061
KEYWAY FORMING MACHINE
Henry E. Morton, Muskegon Heights, Mich.
Application February 21, 1935, Serial No. 7,534
24 Claims. (Cl. 90—43)



20. In a machine for the purpose described, the combination of a supporting structure, a horizontally disposed work table on said structure, horizontal fixed ways beneath said table, a frame reciprocable in said ways and having downwardly extending side arms, a carrier comprising a casing pivotally supported by said arms adjacent the lower ends thereof and provided with ways extending the length of the forward side thereof, a rack bar reciprocable in said ways, means within said carrier casing for transmitting motion to reciprocate said rack bar, fixedly supported means outside said casing for transmitting power to drive said motion transmitting means within said casing, said outside means including reversing means to effect a reversal of motion of said rack bar at each end of its stroke,

a tool bar attached to and movable with said rack bar, means for adjusting said carrier upon its pivotal support on said frame to tilt said carrier and rack and tool bars from the vertical, means for reciprocating said frame in timed relation to the longitudinal reciprocation of said rack and tool bars to move said bars toward and from the work, said last named means comprising a screw shaft connected at one end to said frame, a pair of nuts on said shaft each held against longitudinal movement and free to rotate, laterally extending shafts having geared connection with said nuts, a box casing into which said lateral shafts extend at their outer ends, a pair of longitudinally aligned slides mounted in a way in said box, a gear within said box on the end of one of said lateral shafts, a gear segment to engage said gear, a notched wheel to be engaged by a lug on one of said slides and rotate said gear segment, a gear loosely mounted upon the other lateral shaft within said box and engaged by rack teeth on the other of said slides, a pawl and ratchet for transmitting motion from said last named gear to said shaft in one direction of rotation only, adjustable means for limiting the movement of said last named slide toward the other slide to regulate the turning movement of said shaft, power means for moving said other slide longitudinally to effect movement of both slides and limited turning of said lateral shafts, said power means being effective to operate said reversing means for reversing the reciprocation of said tool bar at each end of its stroke, and means operated in timed relation to the reciprocation of said tool bar for reversing the reciprocation of said slide to which said power means is connected.

2,084,062
ART OF PROCESSING CITRUS FRUITS
Robert D. Nedvidek, Pomona, and John R. MacRill, Norwalk, Calif., assignors to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
No Drawing. Application March 29, 1930, Serial No. 440,156
12 Claims. (Cl. 99—168)

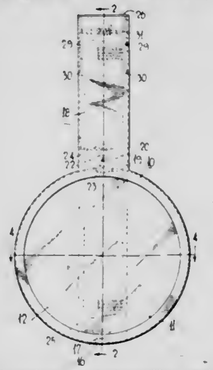
1. In a method of conditioning fruit, the step of cleansing the fruit, and dissolving pine oil in the natural waxy coating of the fruit during such cleansing operation.

2,084,063
METAL SEAL FOR CONNECTING THE ENDS OF A METAL BAND BINDING A PACKAGE
André Rebichon and Séraphin Sicard, Paris, France
Application March 11, 1935, Serial No. 10,573
In France March 10, 1934
3 Claims. (Cl. 24—23)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



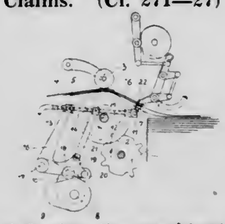
1. A metal sleeve for sealing strap joints, comprising a piece of sheet metal bent in U-shape so as to present a middle part, two lateral parts and bent portions connecting said lateral parts to said middle part, and reinforcing elements extending transversely from said middle part across said bent portions on to said lateral parts.

2,084,064
TOILET ARTICLE
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application October 26, 1936, Serial No. 107,701
17 Claims. (Cl. 132—87)



1. A casing having a laterally extending hollow handle and an opening surrounded by an overhanging rim, a mirror against the rim, a rib below the mirror and holding it in place, a depending flange in the casing to enclose a brush, an inwardly projecting lug in the flange, a brush head having an aperture into which the lug extends and an oppositely disposed aperture, a sliding catch mounted in the hollow handle for engaging the last named aperture, a finger piece for the catch extending through a slot in the handle, a spring in the handle and resting against the catch and urging it into the flange so as to engage the last named aperture in the brush head, a groove in the brush head in line with the hollow handle, a plate for closing the end of the handle, a frame extending inwardly from the plate, a sliding frame in the handle, stops in the handle and in the sliding frame to limit its movement, and a spring hinge connecting the frames so that the first mentioned frame causes friction on the handle to hold the plate in closed position or causes the frame to turn about the hinge and keep the plate in open position.

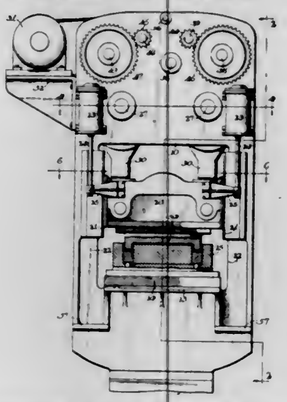
2,084,065
SHEET FEEDING MACHINE
Robert Reinartz, Offenbach, near Frankfort-on-the-Main, Germany, assignor to Arthur Wormser, Offenbach, near Frankfort-on-the-Main, Germany
Application March 4, 1937, Serial No. 129,069
In Germany July 20, 1932
8 Claims. (Cl. 271—27)



1. In a sheet feeder, the combination of sheet separating means and sheet forwarding means adapted to convey sheets in lapped relation to a paper handling machine such as a printing press, said separating and forwarding means in-

cluding pneumatic means arranged to engage a sheet at its upper surface adjacent its leading edge and separate it from a pile of sheets, a plurality of second pneumatic means operated to take over a separated sheet from said first mentioned pneumatic means and engage the sheet at its lower surface, and a series of axially spaced forwarding members arranged to receive separated sheets from said second pneumatic means and advance them in lapped relation, each of said latter pneumatic means operating within the space provided between a pair of said forwarding members to transfer sheets to the latter and beneath the lowermost one of sheets already being forwarded by said members.

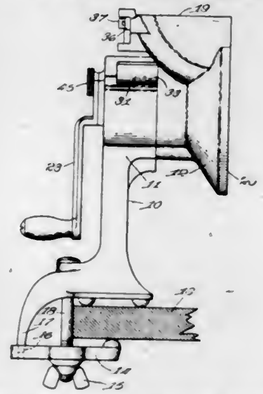
2,084,066
METALWORKING PRESS
Fredrich J. Rode, Chicago, Ill., and Adam Ziska, Wauwatosa, Wis., assignors, by direct and mesne assignments, of one-third to said Rode, one-third to Rudolph W. Glasner, Chicago, Ill., and one-third to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application April 28, 1933, Serial No. 668,318
4 Claims. (Cl. 113—38)



1. A supporting frame for power presses or the like, formed by front and rear upright plates, spaced upright columns formed integral with and depending from each of the plates, said columns on each plate being in alinement but spaced from each other, end walls arranged adjacent the longitudinal edges of the uprights and at the ends of the plates above the uprights, the edges of the plates being welded together, and integral bed supporting portions carried by and disposed between the uprights, the said uprights at the ends of the bed being uninterrupted, the upper portions of the plates constituting a hollow crown, there being alined shaft bearing openings in the front and rear plates of the crown portion of the press, within the confines of and spaced from the edges of said plates, and within the confines of the said upright columns.

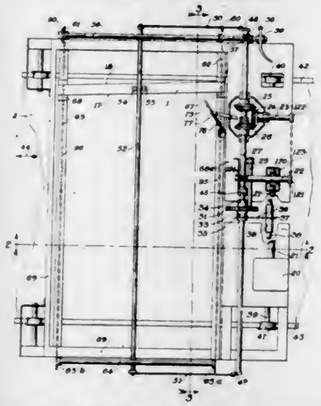
3. A power press embodying a bed, spaced uprights, a crown, a slide reciprocably mounted between said uprights and said bed and crown, said crown embodying front and rear plates comparatively thin with relation to their other dimensions, means for connecting said plates together, a shaft mounted in said plates and extending from front to rear of the press, said shaft being located within the confines of said uprights and also spaced from the edges of the plates, whereby the vertical stresses exerted by said shaft are absorbed by said plates in a direction edgewise of said plates, and eccentric means between said shaft and slide.

2,084,067
VEGETABLE TOOL
Percy W. Stephens, Chicago, Ill.
Application February 27, 1936, Serial No. 66,131
9 Claims. (Cl. 146—1)



1. A device of the character described, including: a housing; a shaft of substantial diameter rotatably journaled therein; a roller of substantially similar diameter rotatably mounted in the housing adjacent and parallel to said shaft, said shaft being adapted to cooperate with said roller to shell peas; crank means on one end of said shaft; and vegetable shredding means on the other end of said shaft.

2,084,068
ROAD FINISHING MACHINE
William U. Vinton, Manitowoc, Wis.
Application March 17, 1934, Serial No. 716,036
21 Claims. (Cl. 94—45)



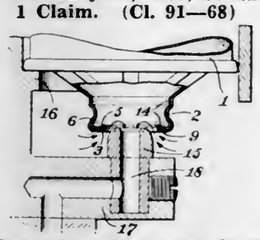
1. A road finishing machine comprising a screed, means for causing said screed to automatically treat twice, from substantially opposite directions, a portion of a roadway, and means for causing the angular set of the leading edge of said screed, during said second treatment, to be substantially out of parallel with the angular set which had been employed by the leading edge during said first treatment.

2,084,069
VEHICLE DOOR CONSTRUCTION
Fred J. Westrope, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application January 2, 1934, Serial No. 704,813
4 Claims. (Cl. 296—44)



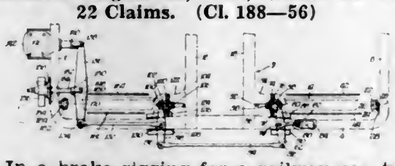
1. A door for a vehicle body having top and bottom edges disposed substantially horizontal, and one edge substantially inclined to the vertical, a hinge element on one of said horizontal edges, and a second hinge element aligned with said first hinge element and disposed interjacent said top and bottom edges on said inclined edge.

2,084,070
METHOD OF COATING CANS
Charles J. Aulbach and Earl A. Herrig, Syracuse, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application February 13, 1936, Serial No. 63,809
1 Claim. (Cl. 91—68)



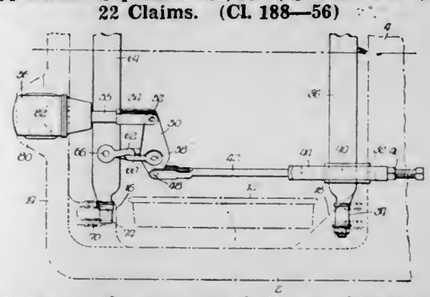
The method of coating cans, having a nozzle provided with a lip, with a thermoplastic material consisting in flowing the coating material while in liquid form over the inner surface of the can, draining the surplus material therefrom, placing said can while the coating is in flowing form over a pipe in alinement with the center of the nozzle and with the nozzle lip spaced a short distance from the end of the pipe and connecting said pipe to a vacuum creating means for drawing air through the pipe and across the face of the lip of the nozzle for removing the coating collecting thereon during draining.

2,084,071
UNIT CYLINDER CLASP BRAKE
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 31, 1936, Serial No. 98,721
22 Claims. (Cl. 188—56)



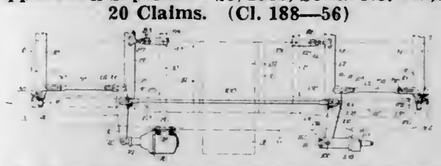
1. In a brake rigging for a railway car truck the combination of a truck frame comprising end rails, wheel and axle assemblies, power means and slack adjuster means mounted on said end rail below the upper level thereof, dead truck levers supported outwardly of the wheels, live truck levers supported intermediate the wheels, straps passing below the axles and connecting said live and dead levers for each wheel, horizontal live and dead levers intermediate said wheels, a pull rod connecting the outer ends of said horizontal levers, a cylinder lever having its outer end connected to said live horizontal lever and its inner end connected to said power means, and fulcrum means extending through said end rail and secured at one end to said slack adjuster means and at its inner end to a point intermediate the ends of said cylinder lever.

2,084,072
CLASP BRAKE
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 21, 1936, Serial No. 101,703
22 Claims. (Cl. 188—56)



1. In a railway car truck the combination of a truck frame having an end rail, a plurality of power means mounted on said end rail, a wheel and axle assembly, hanger levers supporting brake heads and a brake beam inwardly of said assembly, hangers supporting brake heads and a brake beam outwardly of said assembly, guide means mounted on said first mentioned beam adjacent its opposite ends, fulcrum means secured to said last mentioned beam adjacent its opposite ends, live levers having their upper ends connected respectively to said power means, pull rods having their outer ends connected respectively to lower ends of said live levers and their inner ends slidably connected respectively to said guide means, and clevis means connecting said fulcrum means to points intermediate the ends of said live levers respectively.

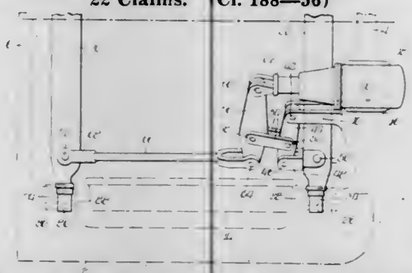
2,084,073
CLASP BRAKE
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 28, 1936, Serial No. 102,880
20 Claims. (Cl. 188—56)



1. In a four wheel railway car truck the combination of a truck frame comprising side frames, wheel and axle assemblies, spaced load carrying members extending between and integrally formed with said side frames, a bolster supported between said load carrying members and ex-

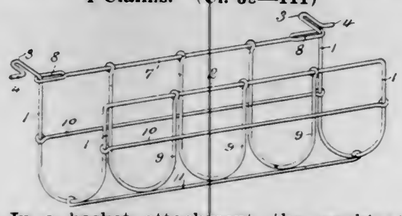
tending outwardly of said side frames, power means and slack adjusting means mounted on each of said side frames at opposite sides of said extending bolster, horizontal live and dead levers connected respectively to said power means and said slack adjuster means for each side frame and connected to each other, brake heads and brake beams supported on opposite sides of each of said assemblies, live and dead truck levers associated with each wheel and connected respectively to the beams at opposite sides of each wheel and to each other, and operative connections between the live truck levers at one end of said truck and said live horizontal levers, and between the live truck levers at the opposite end of said truck and said dead horizontal levers.

2,084,074
CLASP BRAKE
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 28, 1936, Serial No. 102,881
22 Claims. (Cl. 188—56)



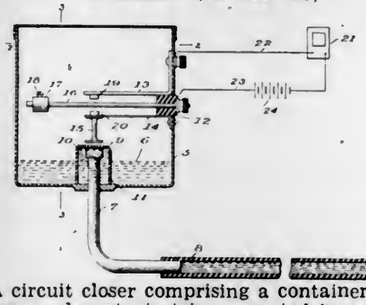
1. In a railway car truck the combination of a truck frame comprising an end rail, a wheel and axle assembly, brake cylinders mounted adjacent the opposite ends of said end rail, brackets integrally formed with said end rail adjacent each of said cylinders, hangers supporting brake beams at opposite sides of said assembly, pull rods secured adjacent the opposite ends of one of said beams, fulcrums secured adjacent the opposite ends of the other of said beams, pairs of live and dead levers, said live levers having their upper ends secured respectively to said power means and their lower ends connected respectively to said pull rods, said dead levers having their upper ends pivotally secured respectively to said brackets and their lower ends pivotally connected respectively to said fulcrums, and straps connecting the live and dead levers of each pair.

2,084,075
BASKET ATTACHMENT
Irl S. Beach, Arkansas City, and Jessie G. Smith, Winfield, Kans.
Application April 17, 1936, Serial No. 74,941
4 Claims. (Cl. 38—111)



4. In a basket attachment, the combination with a support, of basket supporting means attached thereto, and a basket, said basket comprising channel shaped structure adapted to receive goods depending from said support and comprising a member having two U shaped portions and a longitudinal portion connected to the upper ends of the front arms of said U shaped portions, the upper portions of the rear arms of said U shaped portions being resilient and movable toward and from each other and having their ends engaging and supported by said supporting means and adapted to be sprung into and out of engagement with said supporting means, said upper portions extending rearwardly beyond their ends and bearing against the under side of said support for limiting the downward tilting of said structure, a longitudinal member having at its ends respectively two loops through which said upper portions respectively extend and are movable lengthwise of said loops, and a U shaped member intermediate of said U shaped portions and parallel therewith and having the upper ends of its arms attached respectively to said longitudinal portion and to said longitudinal member.

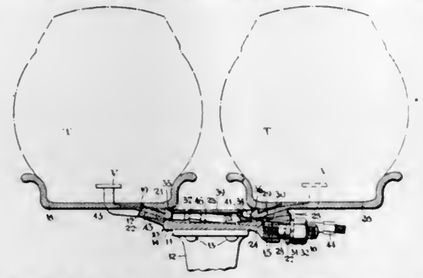
2,084,076
CIRCUIT CLOSING DEVICE
Guy H. Brown, Fairmont, Minn.
Application November 11, 1935, Serial No. 49,305
1 Claim. (Cl. 200—86)



A circuit closer comprising a container, a pair of opposed contact strips mounted in said container, one of said strips being rigid and the other flexible, a vibrating contact strip disposed intermediate said rigid and flexible contact strips, adapted to alternately contact said strips, a compressible container having a duct protruding through the bottom of said container, a liquid in said compressible container and duct, a plunger depending from said flexible contact strip in alignment above said duct, an inverted cup covering the protruding end of said duct having its lower marginal portion resting on the bottom of the container and having passages therethrough, said cup being adapted to be elevated into engagement with said plunger by the pressure of liquid discharged from the protruding end of said duct when the compressible container is compressed, whereby said plunger raises said flexible contact strip to set said vibrating strip into operation, and a liquid in said first-named container to a depth to cover said passages when said cup is in elevated position.

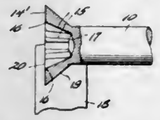
2,084,077
VEHICLE WHEEL MOUNTING
Elmer F. Brunner, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application September 16, 1926, Serial No. 135,848
4 Claims. (Cl. 301—13)

1. In combination a continuous felly wheel, an inclined seat of gradually greater diameter on the inboard side of the felly wheel, a single bevel rim engaging with the seat and extending laterally inboard of the felly wheel, a wedge ring on the outboard side of the felly wheel, an oppositely turned single bevel rim engaging with the wedge ring and extending laterally outboard



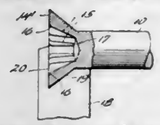
of the felly wheel, an endless spacer ring having a close sliding fit on the felly wheel and positioned between the rims and removable means clamping the wedge ring against the outboard rim bevel, the rim against the spacer ring, and the ring against the inboard rim.

2,084,078
METHOD OF MAKING SCREWS
Eugene E. Clark, Providence, R. I., assignor to American Screw Company, Providence, R. I., a corporation of Rhode Island
Application November 15, 1935, Serial No. 50,042
6 Claims. (Cl. 10—10)



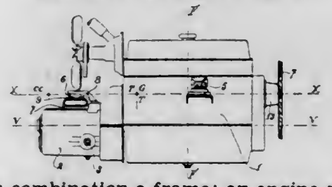
1. The method of making screws comprising upsetting a head on a suitable rod, forcing a punch into the head to form a recess therein, forming an arcuate junction between the walls of the recess and the upper surface of the head and simultaneously shaving the upper and lower surfaces of the head to finish the same.

2,084,079
SCREW
Eugene E. Clark, Providence, R. I., assignor to American Screw Company, Providence, R. I., a corporation of Rhode Island
Original application November 15, 1935, Serial No. 50,042. Divided and this application March 30, 1936, Serial No. 71,733
2 Claims. (Cl. 85—45)



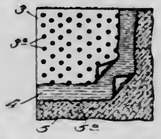
1. As an article of manufacture, a screw having a head provided with a screw driver receiving recess having walls intersecting the surface of the head in cruciform arrangement, certain of said walls and their intersections being substantially radial, all of said intersections being relieved and the metal adjacent them and forming the periphery of the recess being compressed and hardened more than the remainder of the head.

2,084,080
ENGINE MOUNTING
Paul Charles Albert Marie d'Aubarède, Saint-Genis-Laval, France
Application May 20, 1935, Serial No. 22,481. In France May 19, 1934
13 Claims. (Cl. 180—64)
(Granted under the provisions of sec. 14, act of March 2, 1927, 357 O. G. 5)



1. In combination a frame; an engine assembly submitted to periodic internal forces and to periodic internal torques tending to oscillate it about two varying natural oscillation axes; a motor shaft in said engine assembly; driving shafts through which a driving torque is derived from said engine assembly, said driving shafts being supported by said engine assembly at an angle with said motor shaft; spring means adapted to maintain said engine assembly on said frame against gravity and against the action of the average driving torque exerted by said driving shafts; and a flexible connection between said engine assembly and said frame for yieldably retaining said engine assembly with respect to the frame while permitting the engine assembly to oscillate so as to accommodate oscillatory motion of said engine assembly about the varying natural oscillation axes resulting from said internal periodic forces, internal periodic torques and spring means, and also about an oscillation axis resulting from the action on said engine assembly of the periodic portion of the driving torque exerted by said driving shafts; said connection being disposed substantially on the average position of the varying natural oscillation axis which is the resultant of the actions of the internal periodic torques and of the spring means, at a position intermediate between the center of gravity of said engine assembly and the intersection of said last-named varying natural oscillation axis with said varying natural oscillation axis which is the resultant of the actions of the internal periodic forces and of the spring means.

2,084,081
DECORATIVE LAMINATED PRODUCT AND PROCESS OF MANUFACTURE
Herbert A. Faber, Cincinnati, Ohio, assignor to The Formica Insulation Company, Cincinnati, Ohio, a corporation of Ohio
Application August 10, 1935, Serial No. 35,653
20 Claims. (Cl. 41—22)



2. In the manufacture of a decorative laminated product, a process for securing a texture effect in the finish of such product, which comprises: printing upon a fabric sheet, in a selected color, a field of minute dots, separated by minute spaces; associating with said sheet a backing which includes an opaque reflecting surface and with said dots another color visible in spaces

between said dots; impregnating said sheet and backing with a binder which will render said sheet transparent when hot-pressed; and consolidating the assembly under heat and pressure, said colors being visible through said binder.

2,084,082
METHOD OF POLYMERIZING OLEFIN HYDROCARBONS
Louis H. Fitch, Jr., Bartlesville, Okla.; The First National Bank in Bartlesville, a national banking corporation, administrator of said Louis H. Fitch, Jr., deceased, assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application January 26, 1934, Serial No. 708,519
13 Claims. (Cl. 260—170)

1. The method of selectively polymerizing tertiary olefins, which comprises contacting said olefins with solutions of anhydrous ferric chloride in an alcohol of the group: methyl, ethyl or isopropyl, said solutions having a specific gravity within the range of 1.0 to 1.4.

2,084,083
HATCHING IMPLEMENT
Feodor Goldis, Madrid, Spain
Application March 3, 1936, Serial No. 66,980
In Austria February 16, 1935
5 Claims. (Cl. 33—109)



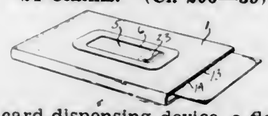
1. A hatching implement comprising, in combination with a frame, two rolls upon which the implement runs, a shaft journalled in said frame and having said rolls affixed to it, a rotary member on said shaft, abutment members connected with the frame and limiting the rotary movement of said rotary member in both directions, a spring connected with the said rotary member and a fixed part of the implement respectively and being adapted to turn the said member back into its initial position after each actuation, and a coupling located upon the said shaft and adapted to establish a connection of the latter with the said rotary member.

2,084,084
CAN CONSTRUCTION
Frank H. Greer, Akron, Ohio, assignor of one-half to John M. Potter, Akron, Ohio
Application August 25, 1936, Serial No. 97,822
2 Claims. (Cl. 220—90)



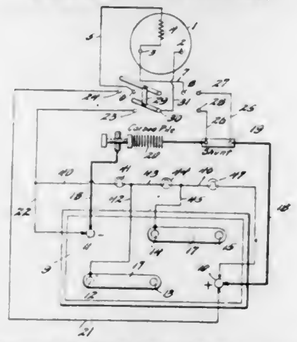
1. A receptacle of the character described comprising a container having an annular trough at the upper edge thereof, a lid having an annular rib thereon for engagement into the trough, said trough being provided with slots in the bottom thereof, said rib being provided with bosses thereon for engagement in the slots to keep the said slots clear.

2,084,085
CARD CASE
Forest H. Hartzell, Dayton, Ohio
Application May 28, 1934, Serial No. 727,946
Renewed November 12, 1936
24 Claims. (Cl. 206—39)



1. In a card dispensing device, a flexible folder for enclosing a pack of cards, a stiffening and guide plate secured to one side of the folder interiorly thereof, a reciprocatory ejector slide mounted on the guide plate, an abutment head for the card pack in spaced relation with the guide plate to afford therebetween a discharge slot, said folder having an access opening, an escutcheon plate surrounding the opening, an operator button movable within the access opening, extensions thereon projecting beneath the escutcheon plate and there interconnected with the ejector slide, and a yielding abutment for the card pack engaged by the ejector slide in its retractive movement to facilitate engagement with a card to be ejected.

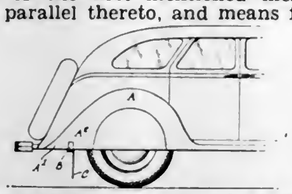
2,084,086
BATTERY TESTING APPARATUS
Benjamin F. W. Heyer, Belleville, N. J.
Application August 9, 1934, Serial No. 739,162
9 Claims. (Cl. 175—183)



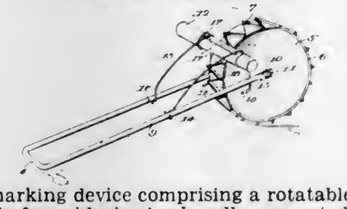
1. A battery testing apparatus comprising a battery, terminals for the cells of the battery, a combined voltmeter and ammeter instrument, a circuit having leads to terminals to carry current for obtaining an ammeter reading, a separate circuit having separate leads to terminals for carrying current to obtain a voltmeter reading, switch means to close the circuit through either the first or second mentioned leads, a cell tester circuit across the terminals for a single cell, and indicating means in said cell tester circuit to indicate the condition of that cell only.

2,084,087
AUTOMOBILE FENDER CLAMP
Walter C. Jackson, Rahway, N. J., assignor to Tingley-Reliance Rubber Corporation, a corporation of New Jersey
Application February 15, 1937. Serial No. 125,758
12 Claims. (Cl. 280—152)

3. A clamp for attaching a device to a vehicle, said clamp including a substantially U-shaped member having one leg thereof adapted to engage a projecting part of said vehicle and the other leg disposed in spaced relation thereto, a second member adapted to be disposed between the legs of the first mentioned member and movable parallel thereto, and means for effecting such parallel movement and adapted to secure said two members together whereby the clamp is held rigidly in place on said vehicle part by pressure exerted by the second member on the first member and on said vehicle part.

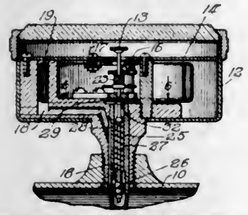


2,084,088
MARKER
John J. Jobe, Springfield, Ill.
Application July 13, 1936, Serial No. 90,450
1 Claim. (Cl. 101—328)



A marking device comprising a rotatable wheel, an axle for said wheel, a handle connected to said axle and comprising substantially parallel members each having a perforation therethrough, a rubber strip applied to the periphery of said wheel having an upstanding marking rib integral therewith, a chalk holder carried by said handle consisting of a pair of spring members disposed on opposite sides of said wheel, each member being formed of wire having one end affixed to said handle and its opposite end slidably mounted in one of said perforations, the intermediate portion of the members being arched upwardly and bent to form loops disposed in alinement, a bar connecting said loops at their tops and a stick of chalk mounted in the loops of said spring members and held thereby against the rib on the periphery of said wheel.

2,084,089
PRESSURE GAUGE
Horry M. Jones, Chicago, Ill.
Application May 9, 1936, Serial No. 78,941
5 Claims. (Cl. 73—109)



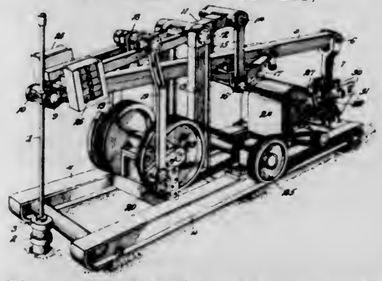
5. A pressure gauge of the character described adapted to cooperate with a tank to measure a desired volume of gas at standard temperature, including: an indicator needle; actuating means for said indicator needle, said means being responsive to changes in pressure applied thereto; a second needle with which said indicator needle is adapted to register to indicate a predetermined desired volume of fluid; and temperature responsive means for moving said second needle to compensate for variations in the pressure of said fluid in said tank resulting from variations in the temperature thereof, said second needle and temperature responsive means being concentrically mounted with respect to said indicator needle.

2,084,090
CONVEYER MECHANISM
Orin Kelly, Columbus, Ohio
Application February 4, 1935, Serial No. 4,926
8 Claims. (Cl. 198—220)



1. Conveyer mechanism comprising a reciprocable element for supporting material to be conveyed, and mechanism for reciprocating said element comprising a drive member having an eccentric, a driven means operated thereby, connecting means between said driven means and said element for controlling operation of the latter comprising a rotary member on said driven means geared to said eccentric, and an eccentric connection between said element and said rotary member.

2,084,091
PLUNGER OR THE LIKE OPERATING MECHANISM
Amos Lea Keltner, Hutchinson, Kans.
Application May 28, 1936, Serial No. 82,344
10 Claims. (Cl. 74—103)



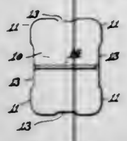
1. Plunger or the like operating mechanism comprising a reciprocatory driven member; a fulcrum arm mounted to swing about a fixed pivot; a fixed post positioned between said reciprocatory driven member and said fulcrum arm; a floating beam having one end connected to said driven member and having its other end pivotally connected to the swinging end of the fulcrum arm; a reduction beam having unequal lever arms pivotally mounted intermediate its ends on said post at a point above said floating beam; a link pivotally connected to the shorter or working arm of said reduction beam and pivotally connected to said floating beam; and driving means connected to the longer arm of said reduction beam for operating the latter.

2,084,092
DENTAL FILM HOLDER
Ralph Kenney, Melrose, Mass.
Application December 24, 1936, Serial No. 117,605
3 Claims. (Cl. 250—34)

1. A holder for dental film packets consisting of a flat rectangular plate of stretchable material

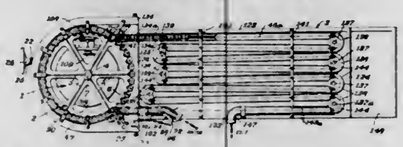
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having on its front face and at opposite ends



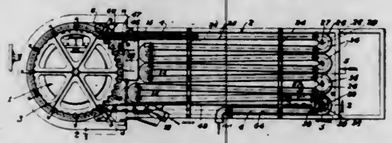
thereof a plurality of walled pockets to receive the corners of a standard film packet.

2,084,093
MACHINE FOR COATING CANS
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 30, 1935, Serial No. 56,740
26 Claims. (Cl. 91—44)



1. A machine for coating cans comprising a supporting frame, a tank for coating material mounted thereon, a conveyor disposed within said tank for conveying cans in inverted position, means for operating said conveyor continuously, a series of coating units traveling with said conveyor and operating in succession on said cans for coating the same, each unit including a coating nozzle, means for raising said nozzle into a can as it travels, means contacting with the mouth of the can for centering the same to receive the nozzle and means for supplying coating material from the tank through said nozzle into the can.

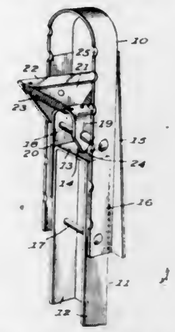
2,084,094
MACHINE FOR COATING CANS
Alfred L. Kronquest and Charles J. Aulbach, Syracuse, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 31, 1935, Serial No. 57,051
8 Claims. (Cl. 91—44)



1. A machine for removing wax from the outer face of the lip of a wax-coated can comprising a nozzle, means for placing the can in inverted position over said nozzle with the nozzle in the mouth of the can and spaced slightly from the lip thereof, and means for subjecting said nozzle to a vacuum pull whereby air is caused to pass across said lip as it enters the nozzle.

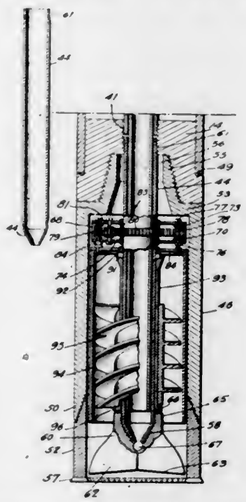
2,084,095
FENCE POST
Ole T. Larson and Inman L. Larson, Adrian, Tex.
Application December 6, 1935, Serial No. 53,246
4 Claims. (Cl. 189—15)

1. A post including a lower section, an upper section pivoted to the lower section, a latch pivoted to the upper section and adapted to engage the upper end of the lower section for holding the sections in alinement, an extensible spring connected to the latch and to the upper section



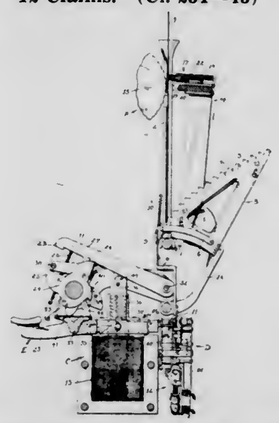
above the pivotal point of the latch, and a weight on the latch below its pivotal point, whereby the weight and spring will cooperate to hold the latch in engagement with the lower section.

2,084,096
ROTARY OIL WELL DRILLING APPARATUS
Everett Marion Lewis, Tulsa, Okla.
Application March 4, 1937, Serial No. 128,999
4 Claims. (Cl. 255—4)



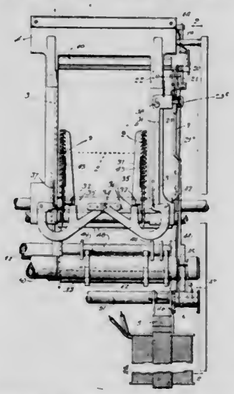
1. In a rotary oil well drilling apparatus of the type specified, a rotary mechanism therefor, comprising two rotary drill stems one of which is contained within the other, means about the lower end portion of the said drill stems for detachably securing rotary drill bit heads thereto, means about the lower end portion of the internal rotary drill stem for detachably securing a roller bearing container thereon, means about the upper end portion of the said drill stems for detachably securing the drill stems to a rotary operating block, a gatherer, retainer and container for gathering and retaining drill bit cuttings, a rotary operating block, means in the internal lower portion of the operating block for detachably securing external rotary drill stem thereto, means in the internal median portion of the operating block for detachably securing internal rotary drill stem thereto, means in the upper internal median portion of the operating block for detachably securing lower end portion of a shaft thereto, means in the top of the outwardly extending portion of the said operating block for the installation of roller bearings, a case incasing a rotary means the actuating power for which is propelled within the drilling apparatus, a rotary means incased within the case the actuating power for which is propelled therein, means for propelling power within the drilling apparatus for the actuation and rotation of the rotary mechanism thereof, means within the lower end portion of the case for housing and guiding the upper portion of a rotary operating block, a lid covering the top of the case, a housing within the case, means attached to the case internally thereof for supporting the housing, means attached to the housing for supporting the housing on the supporting means therefor attached internally to the case, means for detachably securing the supporting means of the housing to the supporting means therefor attached internally to the case, two lids for the said housing one covering the bottom and the other covering the top thereof, means for detachably securing the said lids in their respective locations, a tubular spindle centrally and longitudinally of the said housing journaled in the lids of the housing, the extended lower end shaft portion of the said spindle for detachably securing a rotary operating block thereto, means for detachably securing the shaft of the said tubular spindle to a rotary operating block, means within the said housing for rotating the said spindle and shaft thereof together with the rotary operating block detachably secured to the latter, a housing mounted on the lid of the case, means for detachably securing the bottom end of the housing to the lid of the case, two rings attached on the surface of the said housing near the top thereof, means for lowering and removing the drilling apparatus into and out of drilled hole, a connection means about the top of the said housing for detachably securing a hose union thereon, a hose union detachably secured on the connection means about the top of the housing for detachably securing the connection means of a hose therewith, means for detachably securing the said housing with a hose, a section of hose or tubing the upper portion of which is housed within the said housing, means for conveying power through the said section of hose or tubing into the case of the rotary oil well drilling apparatus for actuation and rotation of the rotary mechanism of the said drilling apparatus, a connection means about the lower end of the said hose or tubing for connecting with the connection means of a ball and socket tube joint, a connection means at the top of the said section of hose or tubing for connecting with connection means of the end of a hose or tubing, means within the case for conveying power to the rotary mechanism of the said drilling apparatus from lower portion of hose or tubing incased therein, a ball and socket tube joint, a connection means therefor by which the said tube joint is connected above with the connection means of the hose or tubing incased within the case, a connection means for the said tube joint by which the latter is connected below with the connection means of a tube, a tube extending from lower end portion of the internal rotary drill stem to connection means of ball and socket tube joint, a connection means about the top of the said tube for connecting the tube with lower connection means of the said ball and socket tube joint, means for conveying water and other substances into and from drill hole.

2,084,097
TIME-PRINTING CONSTRUCTION
Albert E. Long, Chicago, Ill., assignor to Stromberg Electric Company, Chicago, Ill., a corporation of Delaware
Application November 23, 1931, Serial No. 576,636
12 Claims. (Cl. 234—43)



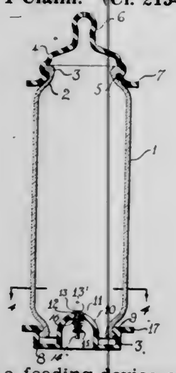
4. A sheet-controlled printing construction comprising printing means for printing on the sheet, unitary means movable as a unit to various positions, sheet-positioning means movable with said unitary means, said sheet-positioning means comprising a pair of spaced members each engageable by the edge of a sheet and depressible thereby, and means responsive to depression of either of said members for causing a printing operation.

2,084,098
PRINTING DEVICE
Albert E. Long, Chicago, Ill., assignor to Stromberg Electric Company, Chicago, Ill., a corporation of Delaware
Application May 9, 1934, Serial No. 724,675
29 Claims. (Cl. 101—297)



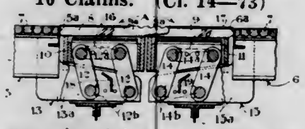
1. In a printing construction including printing means for printing on a sheet and sheet-controlled means for causing the printing operation, means for gripping the sheet during the printing operation, and means controlled by said sheet-controlled means for causing said gripping means to assume gripping position in definite time relation with respect to the printing operation.

2,084,099
VALVE FOR FEEDING DEVICES
Frank Maccoy, Detroit, Mich., assignor to The Cilocon Corporation, Detroit, Mich., a corporation of Michigan
Application November 20, 1929, Serial No. 408,592
1 Claim. (Cl. 215—11)



A valve for a feeding device comprising a body formed with a vertical vent and a valve seat at the upper end of the vent, a valve stem extending through said vent and having a diameter less than that of the vent whereby it may shift laterally with respect thereto, a valve head on the upper end of said stem, resilient means engaging said stem to normally hold said valve head in engagement with said seat, and a weight connected to said head and adapted to move the same laterally and longitudinally to displace said head from said seat when said body is inverted.

2,084,100
EXPANSION JOINT
Frederick J. McHugh, Lachine, Quebec, Canada
Application June 7, 1935, Serial No. 25,460
10 Claims. (Cl. 14—73)

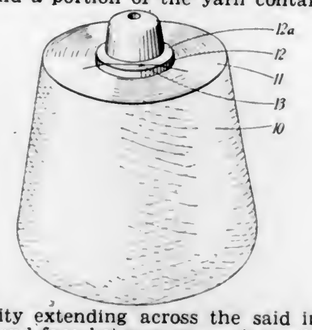


1. An expansion joint comprising two sets of joint bars bridging a gap between two structures which are subject to relative movement due to expansion and contraction, the bars of each set being carried by but movable relative to one of said structures and being slidably fitted between the bars of the companion set.

2,084,101
YARN PACKAGE AND METHOD OF PRODUCING THE SAME
Charles Henry Meadows, Sutton-in-Ashfield, England, assignor to Hibbert & Buckland Limited, Sutton-in-Ashfield, England
Application January 13, 1936, Serial No. 58,931
In Great Britain October 15, 1935
13 Claims. (Cl. 242—161)

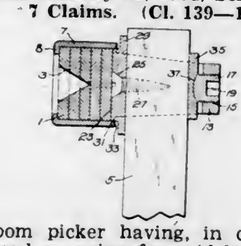
1. A method of winding packages of yarn, particularly hard yarn such as natural silk "in the gum" or artificial silk, which consists in winding the yarn onto a centre having an end face and bringing any knots present in the yarn onto or over said end face so that they lie thereon at a less radius than the minimum radius of the yarn windings.

8. A wound package of yarn comprising an elongated central body having a yarn-receiving exterior and at one end an end face directed inwards from said exterior, yarn wound around said exterior in the form of a package having an end face, adjacent said inwardly directed face, exposed, and a portion of the yarn containing an



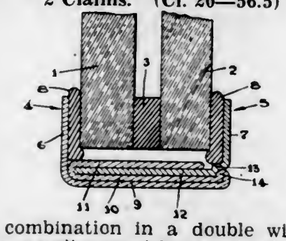
irregularity extending across the said inwardly directed end face between successive coils of the winding.

2,084,102
LOOM PICKER
Frank W. Merrick, Boston, Mass., assignor to American Stay Company, East Boston, Mass., a corporation of Massachusetts
Application January 31, 1934, Serial No. 709,182
7 Claims. (Cl. 139—159)



1. A loom picker having, in combination, a bunter head, a casing for said head, means for securing said casing to the picker stick, and means separate from said first mentioned means adapted to be rigidly secured to said stick and releasably to engage with the lateral walls of said casing for positively restraining said casing against lateral movement relative to the stick.

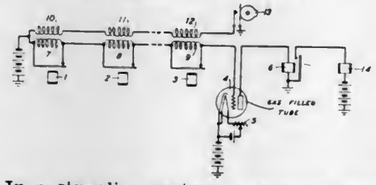
2,084,103
DOUBLE WINDOW CONSTRUCTION
Robert A. Miller, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application October 5, 1935, Serial No. 43,726
2 Claims. (Cl. 20—56.5)



1. In combination in a double window construction, a unit comprising a pair of glass sheets with a yielding spacer between the margins thereof, and a frame made up of channels each comprising a pair of angles of sheet metal construction having their flanges in opposition to the outer faces of the glass sheets and their bases overlapping and provided with projecting portions which snap into interlocking relation and hold the angles in assembled relation when the frame is applied to the glass sheets and the

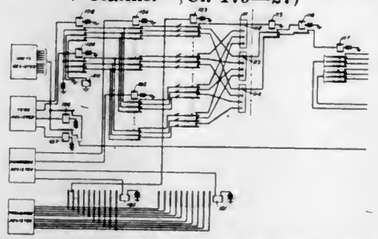
spacer is placed under compression, one of said bases consisting of three parallel folds of metal with a slot between two of such folds, and the other of said bases consisting of a strip which fits snugly into said slot throughout its length so that the base of the unit is made up of four layers of metal, each of which contacts with the layer next adjacent thereto.

2,084,104
SIGNALING SYSTEM
Oscar Myers, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1934, Serial No. 744,183
8 Claims. (Cl. 179—8)



1. In a signaling system, a gaseous conductor tube having a control electrode, a cathode and an anode and having a definite breakdown potential, a responsive device in the cathode-anode circuit of said tube, means for normally negatively biasing said control electrode to a potential higher than the breakdown potential of said tube, and means for momentarily applying impulses of increasing potential to said control electrode in opposition to said biasing potential until said tube breaks down and operates said responsive device.

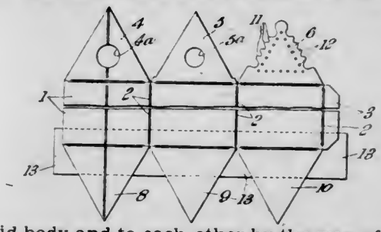
2,084,105
TELEPHONE CONTROL SYSTEM
Oscar Myers, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 11, 1936, Serial No. 68,258
7 Claims. (Cl. 179—27)



1. In a telephone system, subscribers' lines of a plurality of types, the numerical and physical groupings of said telephone lines not being the same, numerical group relays having a set of contacts for each line, physical group relays having a winding for each type of line, and means to cross connect the contacts of said numerical group relays and windings of said physical group relays to give a simultaneous indication of the type, and location of a line under test.

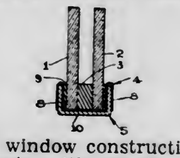
2,084,106
PAPER OR CARDBOARD CARTON OR CONTAINER
Henry William Samuel Palmer, Bournemouth, and James Harrington, London, England
Application February 19, 1935, Serial No. 7,158
In Great Britain February 20, 1934
2 Claims. (Cl. 229—17)

1. A container formed of fibrous sheet material having an outer coating of wax and comprising a plurality of hingedly connected sides folded to form a liquid proof body, means connecting the adjacent free edges of two of said sides, flaps each hingedly connected with the top of a side of said body, said flaps being less in number than said sides and conforming in contour with, and closing the open top of, said body, said flaps respectively having an opening therethrough, said openings being substantially in register with each other, and said flaps being secured to the top



of said body and to each other by the wax of said coating, a closure flap hingedly connected to another side of said body, said closure flap being of the same contour as, of relatively smaller dimensions than, and secured to the outermost of said other flaps by the wax of said coating, said closure flap having serrated free edges, whereby the wax of the coating of said outermost flap and of said closure flap may combine to form a more effective bonding of said closure flap, and means closing the bottom of said body.

2,084,107
DOUBLE WINDOW CONSTRUCTION
Joseph Carl Parkinson, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application September 6, 1935, Serial No. 39,425
2 Claims. (Cl. 20—56.5)

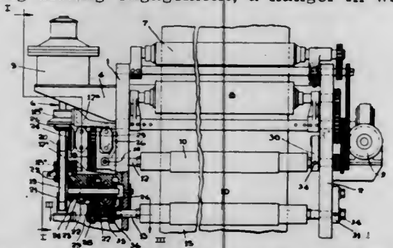


1. In a double window construction, a pair of spaced glass sheets with spacing and sealing means between their margins, a channel of light sheet metal fitting around the edges of the sheets and having its flanges which oppose the faces of the glass sheets bent back upon themselves in parallel with the glass sheets so as to form slots, sealing material on the faces of the flanges next to the glass sheets, and a second reinforcing channel fitting over the first channel with its flanges in said slots and adapted to apply compression to the spacing means and to said sealing material.

2,084,108
DRIVING MECHANISM FOR LEHR ROLLS
Joseph H. Redshaw, Homestead Park, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application April 16, 1936, Serial No. 74,691
5 Claims. (Cl. 49—47)

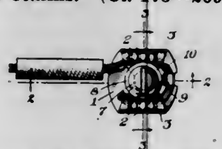
3. In combination with an upright lehr frame provided along its length with a series of pairs of rolls with shafts therethrough for drawing a glass sheet upward, one of the rolls of each pair being fixed and the other movable, a motor at the upper end of the frame, a vertical drive shaft extending downwardly from the motor along one side of the frame and provided with a series of bevel

gears, a bracket secured to the frame adjacent the ends of each pair of rolls, a countershaft mounted in each bracket transversely of the drive shaft and provided at its outer end with a bevel gear meshing with one of the bevel gears on the drive shaft, said countershafts also each having secured thereon a spur gear and a chain pinion, a hanger mounted on each of the countershafts, a socket shaft journalled in each hanger in parallel with said countershaft into whose socket the end of the shaft of each movable roll fits removably with rocking driving engagement, a hanger in which



the other end of each of the movable roll shafts is journalled, a spur gear secured on each socket shaft meshing with the spur gear on the countershaft, a chain pinion secured to the shaft of each fixed roll, and a drive chain extending around each of said last pinions and the chain pinion on its associated countershaft, said brackets each being provided with a bearing for the vertical drive shaft, and such shaft consisting of a plurality of sections, one for each bracket releasably coupled together above and below said bearings to permit the shaft section to be uncoupled and removed with the bracket.

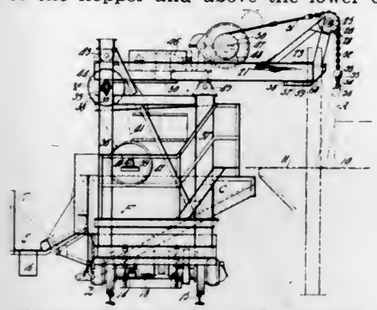
2,084,109
LOCK WASHER
Chauncey H. Ribble, Hackensack, N. J., and Alexander J. Heidt, Woodhaven, N. Y.; said Heidt assignor to said Ribble
Application October 8, 1935, Serial No. 44,102
2 Claims. (Cl. 173—269)



1. A device of the character described, including a plate of greater length than width and having a central opening, the ends of said plate at opposite sides of the opening bent upon themselves upon substantially parallel transverse fold lines forming wire-engaging clamps, and a lug struck upwardly from the edge of the plate at a point intermediate the said fold lines for the positioning of the wire back of the same.

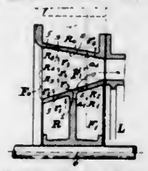
2,084,110
COKING PLANT MACHINE
Eugene W. Schellentrager, Shaker Heights, Ohio, assignor to The Atlas Bolt & Screw Co., Cleveland, Ohio
Application May 15, 1933, Serial No. 671,169
2 Claims. (Cl. 214—18)

1. A car adapted to move transversely in front of doors on coking ovens, an operating means on the car for successively removing doors from the ovens and placing the same thereon, a hopper on the car to receive coke from an open coking oven and having discharge openings and a movable gate for each opening on one side thereof, a runway on the car outwardly adjacent to the one side of the hopper and above the lower end of



each of the openings for said discharge gates and being easily and conveniently accessible from a floor, and a moving and control means for the car and for the operating means of said ovens mounted on the car.

2,084,111
AXIAL FLOW FAN OR PUMP
Friedrich Schicht, Dresden, Germany
Application March 31, 1934, Serial No. 718,442
In Germany May 5, 1933
5 Claims. (Cl. 230—120)



1. In an axial flow rotary fan or pump for propelling fluids, a rotor having blades and a hub, the surfaces of the rotor hub and of the surrounding annulus and the surfaces of the blades being so shaped that a tangent led at any point to the curved line along which any cylindrical surface coaxial with the axis of the rotor intersects the surface of the blade bears the following relation to an annular surface corresponding to a section through the hub and the outer annulus and through the tangent point and normal to the wheel axis:

$$tg\alpha = \frac{r^2\omega - C}{\sqrt{\frac{Q^2}{F^2}\cdot r^2 - C^2}}$$

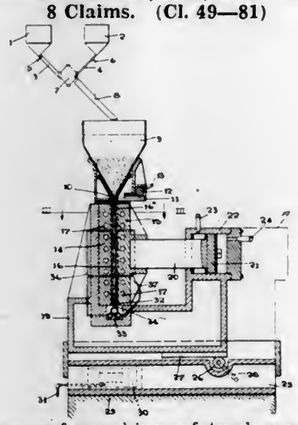
whereby the forces which the rotor exerts on the fluid to be conveyed cause at normal load only an increase of speed without any change of pressure.

2,084,112
CLEANING DEVICE
Charles R. Shannon, Harlan, Ky.
Application October 24, 1936, Serial No. 107,348
8 Claims. (Cl. 15—250)



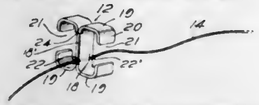
1. In a cleaning device of the character described, a pair of oppositely facing cleaning blades, a pair of auxiliary cleaning blades coacting with the first mentioned blades, and means for causing the auxiliary blades to swing toward and from the first mentioned blades.

2,084,113
PROCESS AND APPARATUS FOR MAKING SAFETY GLASS
James H. Sherts, Tarentum, Pa., assignor to Duplate Corporation, a corporation of Delaware
Application March 23, 1935, Serial No. 12,629
8 Claims. (Cl. 49—81)



1. A process for making safety glass which consists in supporting a pair of glass sheets in an upright position in parallel and spaced apart, filling the space between the sheets with a plasticized resin in powder form, causing the powder to settle in such space completely filling it and removing the air therefrom and then subjecting the sandwich thus formed while the sheets are still in upright position to pressure and to sufficient heat to colloid the resin into a solid sheet tightly adherent to the glass sheets.

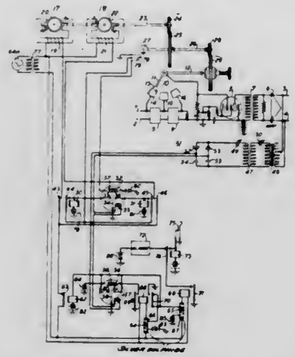
2,084,114
CLOSURE FASTENER DEVICE
Henry D. Sneider, Brooklyn, N. Y.
Application October 22, 1936, Serial No. 107,070
5 Claims. (Cl. 24—207)



4. A fastening device for connecting a pair of flexible side walls having beaded edges elongated in cross-section, comprising a metallic retainer consisting of a pair of vertically extending flat body portions arranged in a back to back and closely contacting relation, upper and lower outwardly projecting bent portions formed from said vertically extending flat body portions, and downwardly projecting and substantially parallel end portions providing elongated passages therebetween, both of said passages being vertically disposed and adapted to freely receive said beaded edges, and a return-bend edge integrally formed with both of the vertically extending flat body portions and securely retaining said flat body portions in flat and closely contacting relation.

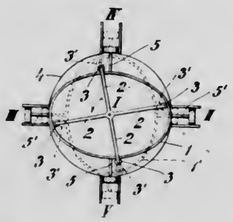
2,084,115
CONTROL CIRCUITS
Donald M. Terry, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 23, 1936, Serial No. 76,021
14 Claims. (Cl. 178—44)

1. In combination, a signal transmission line, an amplifier on said line, two relays of different sensitivity, means for operating said relays according to the strength of a pilot current on the line, means controlled by the relay of higher sensitivity for controlling the gain of said amplifier to maintain the volume of the signals



constant, and means controlled by the relay of lower sensitivity for preventing control of the amplifier by the relay of higher sensitivity when the strength of the pilot current varies beyond predetermined limits.

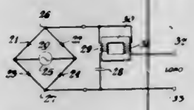
2,084,116
RESILIENT CONSTRUCTIONAL ELEMENT
Antonin Jan Záruba, Vienna, Austria
Application April 15, 1933, Serial No. 666,360
In Austria April 20, 1932
21 Claims. (Cl. 74—55)



1. A universal machine-element of the technical character of a universal transmission element as described and in the form of an individual system comprising in combination three essential component parts: a hoop-part, a stay-part, a roller-part, the resilient hoop adapted to be bent in operative connection with means situated on its circumference, at least two inside rollers bearing against and rolling along on said hoop, said rollers adapted to move their axial position relatively to the hoop's circumference to deform said hoop during the relative rotation and locomotion, and so in consequence also fit for locomotion of the axial position accordingly to the changing hoop's shape, the said rollers being situated between said hoop and at least one stay, said stay adapted and arranged to maintain said rollers in a suitable distance apart, the ends of said stays being fit to move relatively to the hoop in circumferential direction and to and from the hoop's circumference, the component parts of this elementary system, said hoop and said rollers and said stays being relatively to each other in mutual movable and rotatable relationship to effect a transmission of movement and power between various possible external means

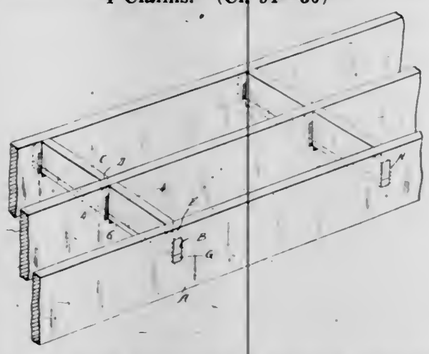
and parts operatively interconnected by the said structural law of this described universal machine-element, whereby the lower part of the said resilient hoop when in contact with a ground is according to the structural law of this invention intentionally and necessary fit and adapted to be remarkably flattened and together at least two rollers of the system are situated lower than the greatest diameter of the hoop and necessary rolling along in one direction on the inside of the said flattened and free resilient hoop being effective without the co-existence of a bicycle or an ordinary vehicle wheel.

2,084,117
RECTIFIER OUTPUT VOLTAGE REGULATOR
Fred D. Williams, Jr., New Rochelle, N. Y., assignor to Ruben Rectifier Corporation, New Rochelle, N. Y., a corporation of Delaware
Application December 1, 1936, Serial No. 113,618
15 Claims. (Cl. 175—363)



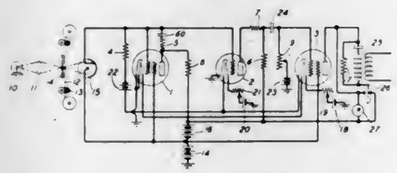
1. In a rectifier system, an A. C. input circuit, a rectifier and a D. C. output circuit, a series arrangement of capacitance and inductance connected across said output circuit and means in said output circuit for varying the value of said inductance responsive to the current in said output circuit.

2,084,118
GRATING
William F. Zabriskie, Detroit, Mich., assignor to Gabriel Steel Company, Detroit, Mich., a corporation of Michigan
Application March 5, 1934, Serial No. 714,158
4 Claims. (Cl. 94—30)



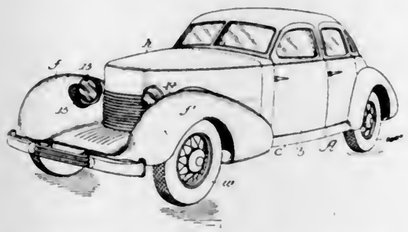
2. A grating comprising a series of longitudinally extending spaced bars, each provided with a series of apertures through the compression portion thereof, leaving an uninterrupted compression portion above said apertures, a series of tie bars of a cross section corresponding to said apertures with a slight clearance, each tie bar being provided with a series of notches in its upper face corresponding in area to the cross section of the uninterrupted portion of said longitudinal bars and permitting the raising of said tie bars with their upper faces flush with the upper faces of said longitudinal bars and a filler for the vertical space in each aperture opened by the raising of said tie bars, the metal of said longitudinal bar adjacent to a side of each aperture being swedged to take up clearance.

2,084,119
COMPENSATING NETWORK
Walter J. Albersheim, New York, N. Y., assignor, by mesne assignments, to Western Electric Company Incorporated, a corporation of New York
Application June 22, 1935, Serial No. 27,966
In Great Britain August 24, 1934
14 Claims. (Cl. 179—100.3)



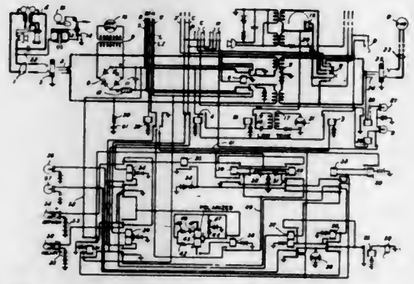
1. In a communication system for signal waves having a negative exponential distortion, a communication channel containing an active transducer having a linear input-output transconductance characteristic, an impedance connected in parallel relation to the input of said transducer, a second active transducer having an exponential input-output transconductance characteristic in parallel relation with said impedance, a degenerative connection from the output to the input of said second transducer, a variable impedance in the output circuit of said first transducer, and a device actuated by the voltage developed across said variable impedance.

2,084,120
HEADLIGHT STRUCTURE
Harold T. Ames, Chicago, Ill., assignor to The Cord Corporation, Chicago, Ill., a corporation of Delaware
Application July 19, 1934, Serial No. 735,931
18 Claims. (Cl. 240—7.1)



1. In a light structure of the character described, the combination of a pocket with an opening leading thereto, an electric lamp mounted movably with respect to the pocket so that it is shiftable bodily through the opening from an operative position outside of the pocket into an inoperative position in the pocket and vice versa, means for shifting the lamp into and out of its operative position, a cover element mounted movably in the pocket so that it is shiftable into a position wherein it closes the portion of the opening left open when the lamp is in its operative position, and means independent of the aforesaid shifting means for automatically moving the element into such position when the lamp is shifted into its said operative position.

2,084,121
PREPAYMENT TELEPHONE SYSTEM
Emil N. Anderson, Oak Park, Ill., Henry M. Bascom, Brooklyn, N. Y., Emil L. Getz, Ridgewood, N. J., and George Sandalls, Jr., North Tarrytown, N. Y.; said Anderson assignor to American Telephone and Telegraph Company, a corporation of New York, said Bascom, said Getz, and said Sandalls, Jr., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 8, 1935, Serial No. 35,226
20 Claims. (Cl. 179—6.3)



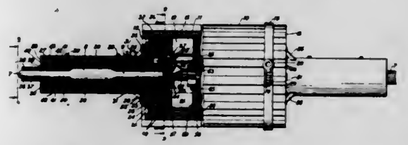
1. In a prepayment coin system for telephone exchanges in which the subscriber, when calling another line, is required to deposit a coin in a receiving means which thereupon functions to connect ground to the line and in which the deposited coin is disposed of by currents of a predetermined potential applied to the line at the central office and the ground is removed from the line upon disconnection of the disposal current therefrom, automatic means initiated at the central office for periodically transmitting impulses of said disposal current to the line, a signal lamp, and means adapted to automatically flash said lamp if the first impulse transmitted to the line does not encounter a ground condition thereon.

2,084,122
APPARATUS FOR CONTROLLING AIRPLANE ELEVATORS
Robert W. Ayer, Wayne, Mich., assignor, by mesne assignments, to Stinson Aircraft Corporation, Wayne, Mich., a corporation of Michigan
Application April 13, 1935, Serial No. 16,130
3 Claims. (Cl. 244—80)



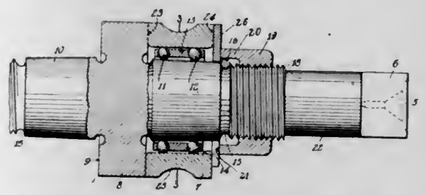
1. The combination with an airplane having a pilot's compartment and an elevator, of an auxiliary tab connected to the elevator so that it is movable into different angular positions relatively thereto, means for setting the position of the tab with respect to the elevator so as to control the latter for airplane trimming purposes, comprising tab raising and lowering cables connected at one end thereof to the tab and a cable actuating element disposed in the pilot's compartment and connected to the cables at the other end thereof, and a vertically extending arm positioned adjacent the mid-portion of the cables and having the upper end thereof pivoted so that it is free to swing lengthwise of the airplane, said arm being weighted at its lower end so that it maintains its vertical position in response to the action of gravity, and having a plurality of sheaves at its upper end, said sheaves being so arranged and the mid-portions of the cables being so wrapped around the sheaves that when the airplane during flight tilts from its normal flying position and the arm as a result swings relatively to the airplane the portions of the cables between the arm and the tab are moved independently of the portions between the arm and the actuating element and shift the tab into a position wherein the elevator is controlled so that it tends to return the airplane to its normal flying position.

2,084,123
LOADING COIL CASE
Joseph R. Bardsley, Yonkers, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 1, 1935, Serial No. 8,873
12 Claims. (Cl. 178—46)



1. A loading coil case for an armored cable, a splice chamber at one end of the loading coil case for protecting a splice connection to a main cable and having means for fastening the armor wires of the cable to the splice chamber, and means for directly tensioning the armor wires to cause them to resist a pull that might cause movement or a strain on the cable or splice within the splice chamber.

2,084,124
CENTERING ARBOR
Harry S. Beckett, Pitman, N. J., assignor to S K F Industries, Inc., Philadelphia, Pa., a corporation of Delaware
Application June 4, 1935, Serial No. 24,809
4 Claims. (Cl. 82—44)



1. As an article of manufacture, an arbor having a body portion formed with a radially disposed back stop face, the portion of the arbor in front of the back stop face being of conical formation sloping away from it, a retaining cage surrounding such portion in front of the back stop face and having a number of circumferential rows of ball pockets, balls in such pockets engaging the portion of the arbor having conical formation and located in position for receiving and centering a work piece, and means for clamping a work piece centered thereby against the back stop face.

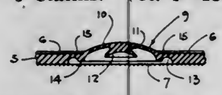
2,084,125
CELLULOSE ETHERS
Louis H. Bock and Alva L. Houk, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application August 21, 1936, Serial No. 97,194
11 Claims. (Cl. 260—152)

1. A cellulose ether containing the group

$$R—O—CH_2—$$

wherein R is an organic radical containing more than five carbon atoms, substituted for the hydrogen of a cellulose hydroxyl group.

2,084,126
SUCTION CUP
Frederick Charles Brewer and Frederick William Johanet, Los Angeles, Calif., assignors to Footsure Company, Incorporated, Los Angeles, Calif., a corporation of California
Application July 14, 1936, Serial No. 90,515
6 Claims. (Cl. 4—185)

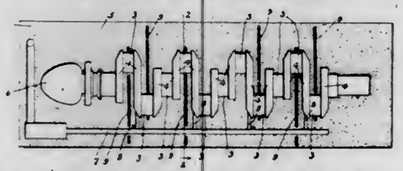


1. In a device of the character described, a bath mat having formed in one of its surfaces a series of spaced, parallel wales, a vacuum cup formed in said surface comprising a dome having its convex surface extending slightly above the opposite surface of the mat, a circular channel formed in the mat around the concave of the dome, said channel and dome being separated by a rim having its lower periphery terminating above a plane through the base of said wales, and a stud substantially in the center of the concave of said dome having its lower end concave to form a suction chamber.

2,084,127
HAIR RINSE
James C. Brown, Mount Vernon, N. Y., assignor to E. Frederics, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 7, 1933, Serial No. 655,619
7 Claims. (Cl. 167—87)

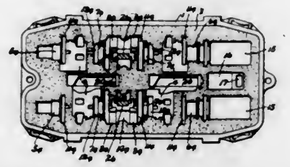
1. A hair rinse comprising a solution of a substantially neutral salt of an organic hydroxy polycarboxylic acid containing four to six carbon atoms adapted to become fixed on the hair during application thereof.

2,084,128
ART OF MOLDING
Donald J. Campbell, Spring Lake Township, Ottawa County, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon, Mich., a corporation of Michigan
Application August 17, 1935, Serial No. 36,679
4 Claims. (Cl. 22—129)



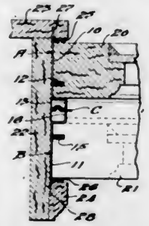
2. An elongated baked core sand mold having a member of paper board of the general outline of the mold but smaller in area than the cross section of the mold disposed transversely of and within the baked sand mold material.

2,084,129
CRANKSHAFT CASTING
Donald J. Campbell, Spring Lake Township, Ottawa County, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan.
Application December 9, 1935, Serial No. 53,548
1 Claim. (Cl. 22—209)



The method of casting a crankshaft having a thickened portion and a relatively thin portion which consists in providing a mold cavity in which to cast the said shaft, further providing a cojoining feeder cavity adjacent the thickened portion of the shaft and also providing a core formed of metal having the characteristics of melting at substantially the same temperature as the metal from which the crankshaft is cast and also of absorbing a material quantity of heat, locating said mold in a substantially horizontal position and pouring a ferrous molten metal into said mold cavity to fill the same and more or less fill the feeder cavity, said molten metal flowing past the core, said core being located in the thickened portion of the crankshaft mold, and then changing the position of the mold to substantially vertical position with the molten metal in the feeder cavity tending to flow into the adjacent enlarged portion of the mold during the cooling thereof, said molten metal changing its relative position with respect to the core during the changing of the position of the mold.

2,084,130
SASH GUIDE AND SEAL
Bernard A. Chaplow, Detroit, Mich., assignor to Wholesale Lumber & Millwork, Inc., Detroit, Mich., a corporation of Michigan
Application April 24, 1936, Serial No. 75,145
5 Claims. (Cl. 20—69)

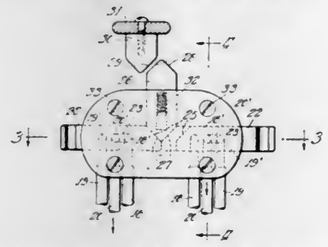


1. A sash guide formed of sheet metal and comprising two separate members formed to provide a parting stop extending substantially centrally thereof when the members are assembled together in edgewise abutting relation, each of said members being formed to provide a sash groove, and a weather strip integral with each of said members and extending into each of said sash grooves, said parting stop having interfitting portions.

2,084,131
AGE-RESISTER
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 18, 1935, Serial No. 17,140
16 Claims. (Cl. 18—50)

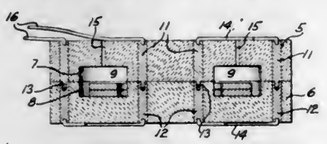
1. A vulcanized rubber product possessing improved age-resisting properties comprising rubber and the composite reaction product obtainable by treating the mixed amines resulting from amination of a coal tar oil fraction boiling between the approximate limits of 170° C. and 350° C. with an organic hydroxyl compound.

2,084,132
DIRECTION SIGNAL CONTROL
Thomas C. Crenshaw, Chicago, Ill.
Application May 22, 1936, Serial No. 81,234
4 Claims. (Cl. 116—36)



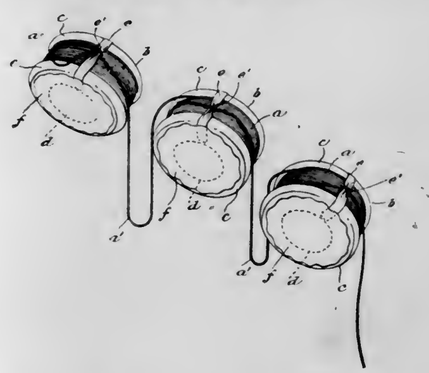
3. In a self-propelled vehicle, including a steering mechanism and a vacuum-operated directional signal, a control mechanism for said signal comprising oppositely movable valve members for selectively setting said signal to indicate a direction of turn of the vehicle, a cam member having normally tapered surfaces disposed between said valve members for cooperation therewith, and a second cam member operable from the steering mechanism and cooperative with the tapered surfaces of the first named cam member, said valve members and the first-named cam member having opposed tapered surfaces co-acting to return an actuated valve member to normal for the effacement of a respective signal indication upon the operation of the steering mechanism in making the turn.

2,084,133
METHOD OF PRODUCING MAGNETIC MATERIALS
Alfred L. Dixon, Hollywood, Ill., and John V. Davis, Daphne, Ala., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 7, 1933, Serial No. 701,254
8 Claims. (Cl. 148—4)



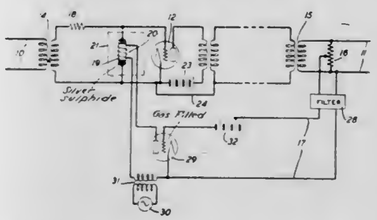
1. A method of producing magnetic iron which comprises treating the iron at a temperature of the order of 1600° F. and subjecting the iron to a varying magnetic field at substantially said temperature during the heat-treatment and maintaining said temperature and the application of said magnetic field for a period sufficient to materially increase the permeability of the iron.

2,084,134
TWINE PACKAGE
Thomas O. Dunkerke, Farmingdale, N. Y.
Application September 18, 1936, Serial No. 101,359
2 Claims. (Cl. 242—161)



1. As a new article of manufacture, a twine package comprising a plurality of twine carriers, a length of twine wound on successive carriers leading from the outer layer of a carrier to the core of a succeeding carrier, and a fastening strip of fabric about which a turn of the twine from the outermost layer is taken, the ends of the fastening strip being secured to the carrier.

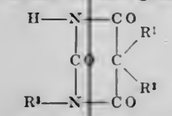
2,084,135
AMPLIFIER CIRCUITS
Gaylon T. Ford, Pequannock, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 21, 1935, Serial No. 50,903
3 Claims. (Cl. 179—171)



2. In a speech transmission system, an amplifier for amplifying speech waves, having an input circuit and an output circuit, a temperature sensitive resistor connected in the input circuit having a heating element, a circuit for passing a portion of the amplified speech waves in the output circuit through said heater element to control the resistance of said temperature sensitive resistor, the physical dimensions of said resistor and heating element being so small and the heat dissipating factor being so large that the resistance changes of said resistor follow the envelope of speech waves, whereby portions of the speech wave of greatest amplitude are effectively reduced.

2,084,136
BARBITURIC ACID CONTAINING IN THE 5-POSITION A PYRIDINE GROUP AND METHOD OF PREPARING THE SAME
Rudolf Gebauer, Dresden, Germany, assignor to Chemische Fabrik von Heyden Aktiengesellschaft, Radebeul, near Dresden, Germany, a corporation of Germany
No Drawing. Application June 2, 1934, Serial No. 728,673. In Germany June 3, 1933
9 Claims. (Cl. 260—33)

9. Barbituric acids of the general formula

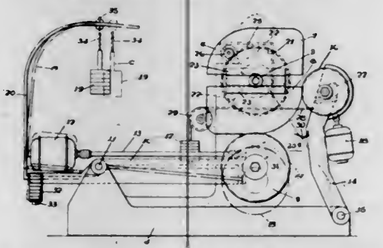


wherein R^1 is a pyridyl group, R^2 is a lower alkyl group, and R^3 is a member of the group consisting of hydrogen and a lower alkyl radical.

2,084,137
BODIED TUNG OIL AND PROCESS OF MAKING THE SAME
Theodore H. Geiger, New York, N. Y., and Lothian M. Burgess, Shrewsbury, Mass., assignors to Tung Oil Products, Inc., Newark, N. J., a corporation of New Jersey
No Drawing. Application December 16, 1933, Serial No. 702,788
13 Claims. (Cl. 87—12)

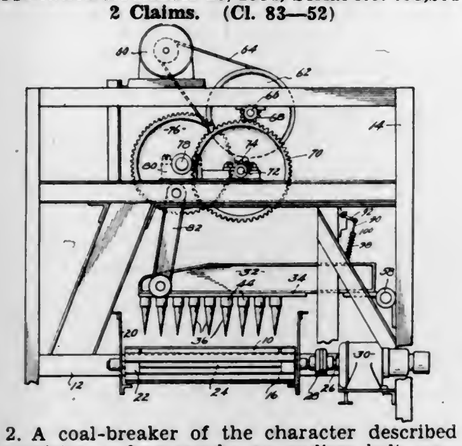
1. A process of bodying tung oil which comprises heating tung oil in the presence of a removable inert diluent miscible therewith to a temperature in excess of 500° F. and not above a temperature adversely affecting the oil for a time sufficient to effect an appreciable thickening of the oil, and thereafter removing said diluent.

2,084,138
EDGE GRINDING MACHINE
Victor H. Gottschalk, Reedsville, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application October 31, 1936, Serial No. 108,655
6 Claims. (Cl. 51—105)



1. In combination in an edge grinding machine, means for supporting a glass sheet and giving it a movement of rotation about a horizontal axis, a driven grooved grinding wheel therebeneath in the plane of the glass sheet, an arm in one end of which the grinding wheel is mounted for rotation, such arm being pivotally mounted and having the end carrying the grinding wheel yieldingly pressed upward, and a weight carried by the arm above its point of pivotal support and arranged so that the downward movement of the end of the arm carrying the grinding wheel carries the weight toward the axis of rotation of the glass sheet thus reducing the pressure of such wheel upon the edge of the sheet.

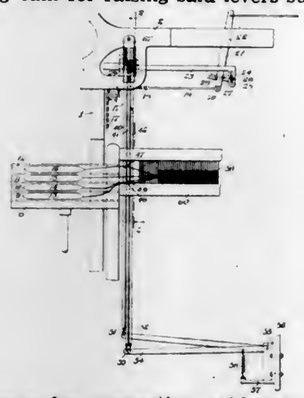
2,084,139
COAL BREAKER
John R. Hamm, Centerville, Iowa, and Glenn E. Benham, Kansas City, Kans.
Application November 16, 1934, Serial No. 753,264
2 Claims. (Cl. 83—52)



2. A coal-breaker of the character described comprising a framework; an endless belt conveyor having a horizontally disposed upper stretch carried by the framework; a stationary table underlying the said upper stretch to assist the same in supporting the conveyed load of coal; rocker beams having one end hingedly secured to the framework to one side of the endless belt for movement toward and from the upper stretch about an axis parallel to the direction of travel of the load; a plurality of teeth mounted on the rocker beams projecting downwardly toward the upper stretch of said endless belt when the beams are in a horizontal plane parallel to the plane of the upper stretch of the belt, said teeth all being substantially the same length and disposed in a plane spaced above the said upper stretch when the beams are in the horizontal plane whereby upon downward movement of the beams from above the said horizontal position, the teeth closest to the hinged end of the beams will first approach the said belt; an electric motor mounted on the frame; a train of gears above the free ends of the rocker arms; means transmitting power from the motor to the train of gears; a link connecting one of the gears of the train and the free ends of the beams for moving the beams about the hinge connection and toward and from the upper stretch of the belt; a circuit connecting the motor to a source of electrical energy; a second motor to drive the belt; a circuit connecting the second motor to a source of power; and a switch mounted on the frame adjacent the beams for periodically opening and closing the circuit of the second motor as the beams are rocked, said switch having connection with the beams whereby to cause the motor to drive the belt when the beams are moving from the belt and to cause the motor to remain idle as the first mentioned motor is moving the beams and teeth toward the belt.

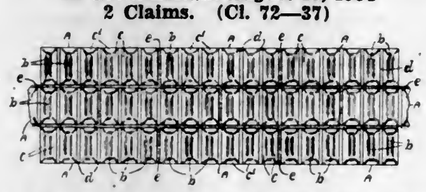
2,084,140
SIDE LINE ELIMINATOR FOR AUTOMATIC LOOMS
John Hetherington, Trenton, N. J., assignor to Princeton Worsted Mills, Inc., Trenton, N. J., a corporation of New Jersey
Application May 19, 1936, Serial No. 80,506
2 Claims. (Cl. 139—116)

1. A sideline eliminator for an automatic loom having a shuttle box and a shuttle box shifting mechanism comprising a plurality of vertically arranged straps positioned near said shuttle box and extending above and below the same, a holding cord extending through each of said straps, spring actuated means connected to said straps at their lower ends for tending to move the straps downwardly, a lever connected to each of the straps adjacent their upper ends, a reciprocating cam for raising said levers successively,



and means for connecting said cam with the shuttle box shifting mechanism so that the cam will function in time with the shuttle box for raising and lowering said holding cords, said holding cords being positioned to engage and hold all of the filling yarns from the shuttles of the shuttle box out of the way except the filling yarn from the active shuttle.

2,084,141
BRICK OR THE LIKE
William Henry Hill, Halifax, England
Application August 16, 1935, Serial No. 36,516
In Great Britain August 15, 1934
2 Claims. (Cl. 72—37)



1. A building unit the outermost face of which consists of a plurality of small rounded ridges spaced apart but arranged closely together in parallel disposition, each ridge being the peak of two angularly disposed flat faces, and said ridges with their angularly disposed flat faces which combine to substantially cover the full area of said outermost face, being spaced apart from one another so as to provide narrow gaps therebetween also in parallel disposition with said ridges, as and for the purpose specified.

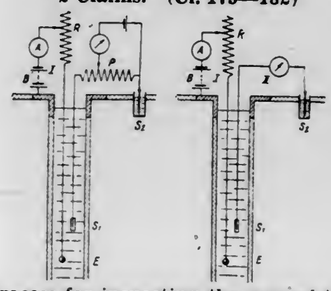
2,084,142
SUCTION OPERATED ACCESSORY SYSTEM
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application April 12, 1935, Serial No. 16,079
2 Claims. (Cl. 123—198)

1. In combination with an internal combustion engine having a fluid inlet passage and an exhaust fluid passage, a Venturi tube including a suction take-off, said tube being disposed with-in the exhaust fluid passage whereby a portion of the exhaust fluid may pass into the Venturi tube and the remaining exhaust fluid may pass



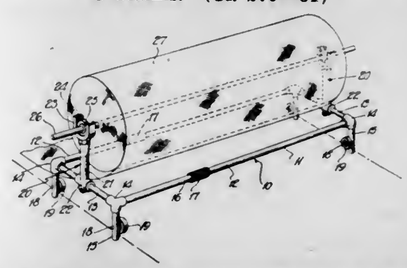
around the Venturi tube, and a conduit from the discharge end of the Venturi tube to the fluid inlet passage.

2,084,143
PROCESS FOR INSPECTING THE GROUND
Johann Nepomuk Hummel, Berlin, Germany, assignor to firm Seismos G. m. b. H., of Hannover
Application June 3, 1936, Serial No. 83,318. In Germany January 2, 1935
2 Claims. (Cl. 175—182)



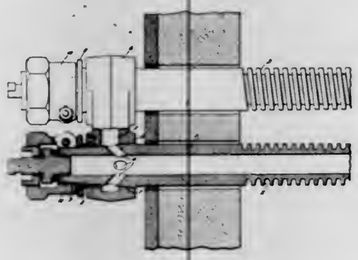
1. Process for inspecting the ground traversed by a bore hole comprising measuring the intensity and direction of the natural electrochemical currents in different depths of the bore hole by annulling the said natural potentials and currents in the locus of measurement by sending a current taken from an external source into the ground and measuring the intensity and direction of the current required for the said annulment.

2,084,144
CLOTH LAYING DEVICE
Sam Iocca, Highland Park, N. J.
Application September 18, 1936, Serial No. 101,387
3 Claims. (Cl. 270—31)



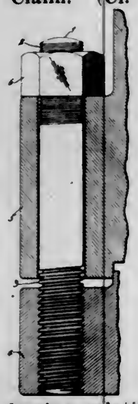
1. A cloth laying device comprising a rectangular shaped frame, legs depending from the corners of said frame, rollers mounted on the inner sides of said legs, opposed posts rising from the ends of said frame, U-shaped channel bearings carried by the top of said posts, a shaft on which a bolt of cloth is adapted to be mounted, and bearing collars carried by said shaft and seated in the respective U-shaped channel bearings.

2,084,145
TUBE
Frederick E. Key, St. Louis, Mo., assignor to Key Company, East St. Louis, Ill., a corporation of Missouri
Application May 24, 1935, Serial No. 23,157
3 Claims. (Cl. 138—70)



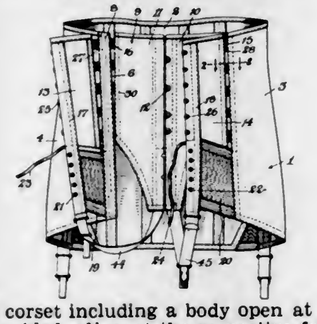
1. A tube having relatively thick walls adapted for use with internal pressures of 2000 pounds or more per square inch at a temperature of 1200° F. or more constructed of an alloy steel containing one or more non-ferrous metals sufficient to reduce its heat conductivity substantially below that of carbon steel, and having a helical recess of substantial depth about its periphery at a section intermediate and terminating inwardly from its ends intended for exposure in a furnace.

2,084,146
STUD BOLT
Frederick E. Key, St. Louis, Mo., assignor to Key Company, East St. Louis, Ill., a corporation of Missouri
Application June 1, 1936, Serial No. 82,782
1 Claim. (Cl. 85—1)



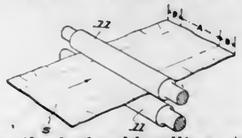
A stud bolt having relatively coarse threads of high pitch on one end and relatively fine threads of low pitch on the other end, in combination with a machine element having a socket internally threaded to receive the high pitch threads of the bolt, a second machine element about the bolt, and a nut threaded on the other end and engaging said second machine element to clamp and hold said machine elements together, whereby the threads of low pitch afford means for exerting high pressure by the nut when tightened in clamping relationship and the threads of high pitch permit easy removal of the bolt.

2,084,147
CORSET
Joseph J. Kispert, Hamden, Conn., assignor to I. Newman & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application May 16, 1936, Serial No. 80,032
6 Claims. (Cl. 2—27)



1. A corset including a body open at the front and provided adjacent the respective front edges with spaced apertures, a vest structure arranged interiorly of said body and normally extending across the front thereof, circumferentially positioned reinforcing strips of fabric carried by said body positioned between the respective apertures, said strips having their edges turned to produce a smooth surface adjacent the respective apertures, lines of stitching for securing said strips in place, a pair of front flaps acting as circumferential elongations of the front edge portions of said body, sliding straps extending through said apertures, the ends of said sliding straps being connected respectively to the vest and to the front flaps, said front flaps being provided with lacing receiving members whereby the front flaps may be drawn towards each other.

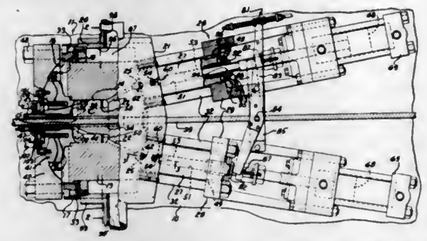
2,084,148
ROLLING STRIP
Howard Stanly Lamb, Youngstown, Ohio, assignor to The Cold Metal Process Company, Youngstown, Ohio, a corporation of Ohio
Application January 26, 1934, Serial No. 708,417
18 Claims. (Cl. 80—60)



1. In a method of cold rolling strip, the steps including passing the strip between reducing rolls, thereby exerting such pressure on the strip as to produce riffles at the edges thereof and maintaining them throughout the major portion of the reducing cycle, and, when the strip has been rolled nearly to the desired final gauge, applying such back tension as to remove the riffles and produce a substantially flat strip of said gauge.

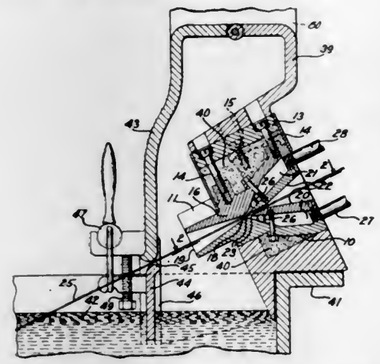
2,084,149
APPARATUS FOR EXTRUDING MATTER
Einer W. Larsen, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 12, 1932, Serial No. 637,465
18 Claims. (Cl. 207—4)

1. In an extruding apparatus, an extruding chamber, a plurality of piston type pumps for supplying said chamber with matter to be extruded therefrom, and constant volume fluid pressure means for driving the pistons of said



pumps, comprising means controlling the application of force to said pistons in such a manner that the sum of their displacement rates is constant.

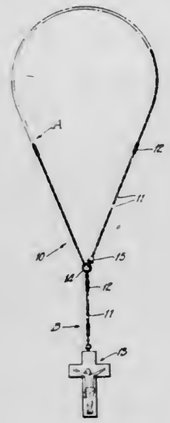
2,084,150
APPARATUS FOR COATING MATERIAL
Roger C. Lawrence, Ridgewood, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 8, 1934, Serial No. 743,181
10 Claims. (Cl. 91—59.4)



2. In an apparatus for removing excess liquid coating from material while advancing from a liquid bath, a nozzle having nozzle portions forming a passageway therein through which the coated material may pass, means in said nozzle portions for directing a gas under pressure through a portion of the passageway around the material to remove the excess liquid coating therefrom, and means for moving one of said nozzle portions relative to the other in a direction perpendicular to the path of the advancing material for varying the size of the passageway through said nozzle.

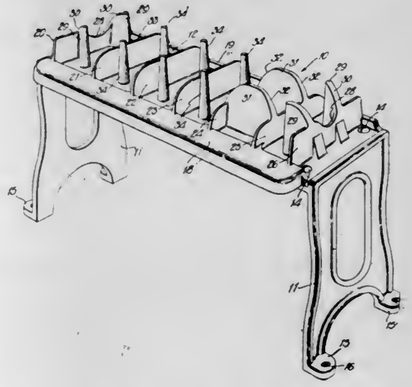
2,084,151
ROSARY WATCH CHAIN
Joseph F. Leitner, Perth Amboy, N. J.
Application September 5, 1936, Serial No. 99,569
4 Claims. (Cl. 63—1)

1. An article of the class described comprising a single strand chain having links significant to the beads of a Roman Catholic rosary and a crucifix attached to one end thereof, a watch clasp on the other end of said chain to which a watch may be connected when the article is used as a watch chain, and a ring in the length of said chain adjacent that end to which the crucifix



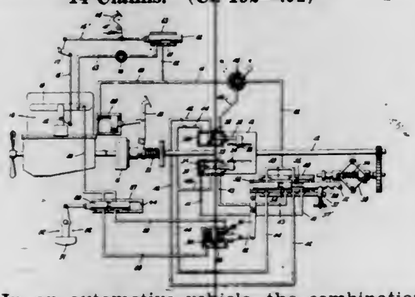
is connected for engagement by said clasp to form a loop portion and a pendant portion.

2,084,152
COLLAPSIBLE EGG CARTON SET-UP DEVICE
David Levkoff, Brooklyn, N. Y.
Application March 21, 1936, Serial No. 70,012
7 Claims. (Cl. 93—37)



1. A device for setting up collapsible cellular egg cartons of the type having a body, a central notched longitudinal partition, and normally substantially horizontally disposed pivoted cross partitions comprising a stand, a single row of spaced transversely disposed flat vertical cross partition engaging walls rising upwardly from said stand, and a double row of cross partition engaging elements rising upwardly from said stand above the plane of the top edges of said partition engaging walls, said elements being arranged in transverse pairs and the respective pairs being interposed between adjacent walls, whereby a cellular egg carton with its body inverted may be manually applied to the device by a downward movement to cause said elements to initially swing said cross partitions inwardly of the carton body and into striking contact with said walls, and continued downward movement of the carton body will cause said walls to finally move the cross partitions to vertical set up position.

2,084,153
FLUID PRESSURE OPERATED GEAR SHIFTING DEVICE
Douglas F. Linsley, Old Greenwich, Conn., assignor to Vaco Products, Inc., a corporation of Delaware
Application June 10, 1935, Serial No. 25,855
14 Claims. (Cl. 192—.01)

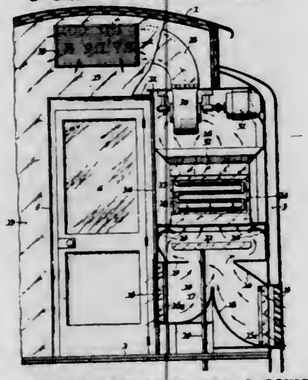


1. In an automotive vehicle, the combination of a shiftable gear transmission, fluid pressure operated gear shifting means, a vehicle speed controlled selector valve controlling the application of fluid pressure to the gear shifting means and means controlled by the inclination of the vehicle for varying the effective position of the valve.

2,084,154
PROCESS OF MAKING COPPER POWDER
Raymond P. Lutz, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 7, 1936, Serial No. 57,967
12 Claims. (Cl. 75—117)

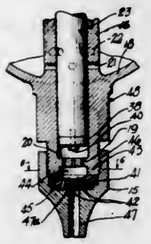
1. A method of producing copper powder which comprises drawing a copper wire with a fat and soap drawing compound whereby a copper containing sludge is formed, treating the sludge with a non-corrosive solvent which will not form a slime, and filtering the copper powder from the solution.

2,084,155
AIR CONDITIONING APPARATUS FOR PASSENGER CARS
William J. Madden, Lansdowne, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 9, 1936, Serial No. 67,803
3 Claims. (Cl. 62—103)



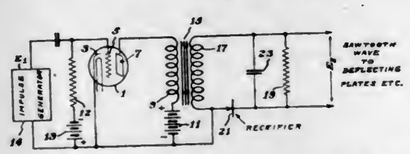
1. In a railway passenger car, a compartment for air conditioning equipment, said compartment having a mixing chamber at the base thereof near the floor level of the car with an intake for fresh air from the exterior of the car and an intake for recirculated air from the passenger space, cooling means disposed above said mixing chamber, means for drawing air through said intakes and said cooling means and then discharging it into the passenger space, and baffling means projecting within said mixing chamber and associated with each said intake, said baffling means being so disposed as to obstruct cross flow of air from said fresh air intake to said recirculated air intake and so directed as to cause the currents of fresh and recirculated air to cross each other in their passage upwardly through the mixing chamber, whereby said currents of air are mixed and retarded prior to admission to said cooling means.

2,084,156
EMULSIFYING AND CREAM MAKING DEVICE
John E. Marsden, Philadelphia, Pa.
Application August 14, 1936, Serial No. 96,027
5 Claims. (Cl. 99—267)



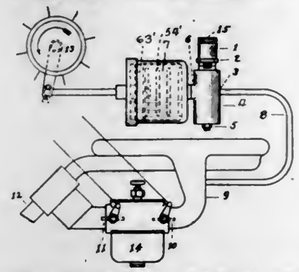
1. An emulsifying device for a mixture of liquids including a pump, a container for supplying a mixture of liquids thereto, and outlet means for the pump including an element adapted to be resiliently concaved, said element having a normally closed hole opened by concaving the element, said element being adapted to be concaved by the force of the mixture of liquids to permit passage thereof and coincident emulsification of the mixture.

2,084,157
GENERATOR
Miles A. McLennan, Riverton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 23, 1934, Serial No. 712,685
4 Claims. (Cl. 250—36)



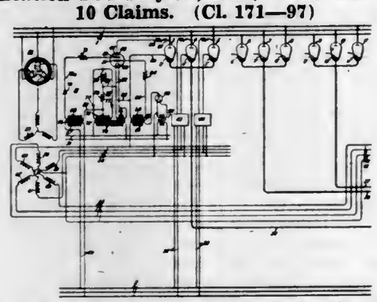
1. In a saw-tooth wave generator, a circuit network including an inductor, a rectifier and a capacitor in series, a resistor connected in shunt relation to the capacitor and means for periodically causing an abruptly changing potential to appear across the inductor, said capacitor and said resistor having relative values such that substantially the entire voltage appearing across said resistor has a saw-tooth wave form.

2,084,158
AUTOMATIC SPARK CONTROL
Harold W. Meade, Covington, Ind.
Application October 25, 1933, Serial No. 695,096
7 Claims. (Cl. 123—117)



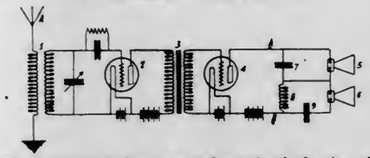
1. In combination with an internal combustion engine, an air and fuel supply conduit therefor, a throttle valve in said conduit, timer-regulating means controlled by fluid pressures existing in said conduit between the throttle and the engine so adapted as to vary the spark setting during normal load conditions of the engine as said fluid pressures vary; to retard the spark when said fluid pressure decreases to a predetermined value as during idling and to advance the spark when said fluid pressure decreases to a greater extent as when the engine is being used as a brake.

2,084,159
ELECTRIC VALVE SYSTEM
Albert H. Mittag, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 29, 1936, Serial No. 66,390
10 Claims. (Cl. 171—97)



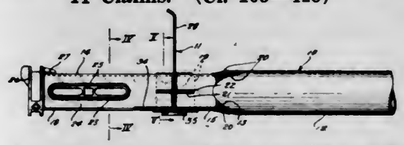
10. In combination, a polyphase alternating current supply circuit, a polyphase alternating current load circuit, groups of inductively associated electrical networks for interconnecting said circuits, a pair of said electrical networks each being provided with a plurality of phase windings and each having an electrical neutral, a connection between said electrical neutrals, electric valve means for connecting said phase windings of one of said electrical networks to said supply circuit for transmitting unidirectional current to said phase windings in a predetermined sequence, electric valve means for connecting each of said phase windings of the other of said electrical networks to said supply circuit in a sense opposite to that of said first-mentioned valve means for transmitting said current through said phase windings of said second mentioned network in a predetermined sequence, and electronic discharge means energized in accordance with the voltage across an anode and cathode of said electric valve means for controlling the conductivity of said electric valve means conjointly in accordance with the voltage of said supply circuit and in accordance with the voltage of said phase windings.

2,084,160
FILTER SYSTEM FOR LOUDSPEAKERS
John Preston Minton, White Plains, and Abraham S. Ringel, Brooklyn, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application June 9, 1925, Serial No. 35,893
11 Claims. (Cl. 179—1)



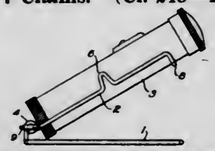
1. In combination, an electrical device having an output circuit, means for impressing a signal wave compounded of a plurality of frequencies on said device, a low frequency acoustic device and a high frequency acoustic device serially connected in said output circuit, a capacity shunted across said low frequency acoustic device and an inductance shunted across said high frequency acoustic device.

2,084,161
RAILWAY CAR UNDERFRAME AND PROCESS OF CONSTRUCTING SAME
Herbert H. Moss, Brooklyn, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application October 29, 1932, Serial No. 640,163
11 Claims. (Cl. 105—418)



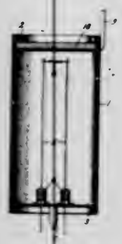
1. A center sill comprising a unitary tubular structure having end portions of polygonal cross-section and an intermediate seamless portion of curvi-form cross-section; said intermediate portion and said end portions being formed of one continuous section of metal.

2,084,162
FLASHLIGHT HOLDER
Granville F. Packard, Forest Hills, Pa.
Application March 30, 1934, Serial No. 718,155
7 Claims. (Cl. 248—139)



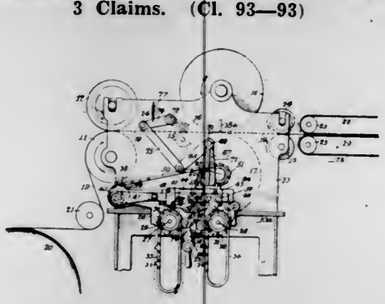
1. A flashlight holder comprising a base, a pair of lugs provided with openings projecting at right angles from the base, a generally U-shaped resilient article supporting member having openings at the ends of the U-shaped member adapted to be positioned in alinement with the openings in the lugs, resilient article engaging portions on the U-shaped member adapted to resiliently yet firmly hold the article to be positioned thereon, a bolt adapted to be inserted through the openings of the lugs and spring the ends of the U-shaped member and means for causing frictional engagement between the lugs and the ends of the U-shaped member to hold the article supporting member in any adjusted position with reference to the base.

2,084,163
ELECTRIC DISCHARGE DEVICE
Caid H. Peck, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 21, 1936, Serial No. 70,141
7 Claims. (Cl. 250—27.5)



1. An electric discharge device including a thermionic cathode, an anode comprising a sealed metallic envelope surrounding said cathode, an ionizable medium therein having during operation of the device a pressure sufficient to support an electrically constricted arc discharge between the anode and cathode and a mass of material of good thermal conductivity affixed to said envelope in the region of its nearest approach to said cathode.

2,084,164
SHEET COUNTER AND MARKER
Fred Renz, Brooklyn, N. Y.
Application May 20, 1936, Serial No. 80,796
3 Claims. (Cl. 93—93)



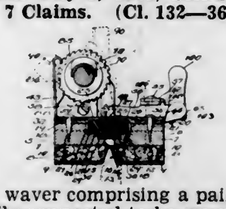
1. In combination with a sheeting machine having means for moving a paper web therethrough, a drop bar for forming a loop in said web at intervals; a cross shaft; arms rockable therewith and pivoted to the ends of said drop bar and within the side lines of the sheeting machine; an outer arm on said shaft; a counter; a post made fast to the counter frame and formed with a bearing at its top; a horizontal shaft fixed in said bearing; a hub formed with a vertical arm and a slanting arm, all rockable on said shaft; a spring pressed plunger dog operable in a bore in the lower end of the vertical arm; an oscillatory arm operable at intervals by a moving part of the counter; an elongated trip arm operated simultaneously with the oscillatory arm and having a nose engaging the plunger dog, for swinging the said vertical and slanting arms, and a link connecting said slanting arm to the said outside arm, for operating the drop bar to form a loop in the said paper web at intervals.

2,084,165
CINEMATOGRAPHIC FILM SPOOL
Walter Schulz, Berlin-Friedrichshagen, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application February 19, 1936, Serial No. 64,708
In Germany February 21, 1935
3 Claims. (Cl. 242—70)



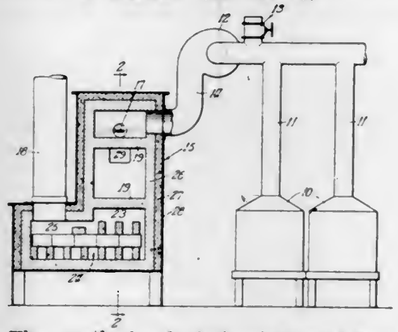
1. A cinematographic film spool comprising two flanges each provided with an opening for the introduction of an axle, a hub connecting said flanges, and an obstruction member mounted within said hub for preventing the introduction of an axle into said hub from one side of said spool and permitting introduction from the other side.

2,084,166
HAIR WAVER
Bernard A. Sterling, Chicago, Ill.
Application May 8, 1929, Serial No. 361,285
7 Claims. (Cl. 132—36.1)



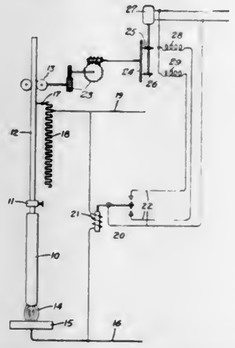
6. A hair waver comprising a pair of jaw members pivotally connected to be swung to open and closed positions and having meeting edges movable into and out of cooperation by the opening and closing of said jaws, a curler, means struck up from one of said jaw members adjacent the pivotal connection thereof for journaling one end of said curler, and means at the free ends of each of said jaw members cooperable when said jaws are closed for journaling the other end of said curler in position directly exposed to said jaws, said journaling means being so disposed as to offset said curler laterally with respect to the meeting edges of said jaws.

2,084,167
DESTRUCTION OF FUMES AND THE LIKE
Alden E. Stilson, New York, N. Y.
Application June 10, 1935, Serial No. 25,951
9 Claims. (Cl. 183—6)



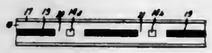
1. The method of destroying explosive or highly inflammable gases and fumes which is characterized by mixing the same with such proportion of air as will reduce the inflammability of the gases without rendering them non-inflammable, transporting the same to a point of combustion and there destroying the same through combustion, moving the mixed gases through a portion of their travel to the point of combustion at a speed exceeding the rate of flame propagation in such gases thereby to prevent propagation of flame to the point of generation of said gases or fumes.

2,084,168
ARC WELDING APPARATUS
Erwin Thiemer, Hennigsdorf, Germany, assignor to General Electric Company, a corporation of New York
Application May 29, 1936, Serial No. 82,586
In Germany June 8, 1935
4 Claims. (Cl. 219—8)



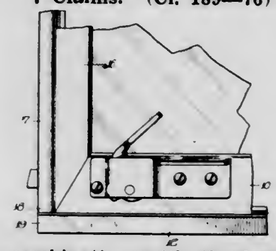
1. Arc welding apparatus comprising means for supplying welding current through the full length of a welding electrode to an arc at its arcing terminal, means in series circuit with said electrode for compensating for the change in voltage drop in said electrode with its consumption during welding, a voltage responsive device connected across said arc, said electrode and said compensating means, and means controlled by said voltage responsive device for feeding said electrode and for operating said compensating means.

2,084,169
INDICATING SYSTEM
Walter P. Venzke, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application August 17, 1934, Serial No. 740,319
In Germany September 7, 1933
8 Claims. (Cl. 177—311)



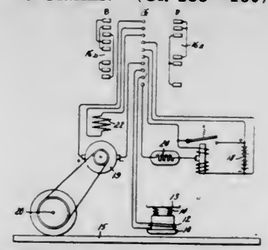
1. An indicating arrangement comprising in combination, an indicating plate having a line thereon representing a line of flow with a gap in said line representing means for interrupting flow, and a vibrating reed indicator having a target located in said gap in its position of rest and having means for vibrating said target through the distance of said gap, thus apparently closing said gap when said target is set in vibration to indicate that the means for interrupting flow has been set to the position permitting flow.

2,084,170
SASH CONSTRUCTION
Christian M. Verhagen, Chicago, Ill., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application June 6, 1935, Serial No. 25,269
7 Claims. (Cl. 189—76)



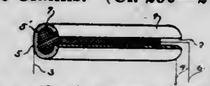
1. The combination, with the bottom rail of a sash having a channel with inturned side flanges, and a rubber sealing strip in the channel having undercut side grooves for the reception of the flanges, of a clip at the end of the bottom rail which enters a recess in the end of the sealing strip and bears upwardly against the upper surface of the recess.

2,084,171
CONTROL OF ELECTROMAGNETIC TRACK BRAKES
Walter Volkers, Berlin-Wilmersdorf, Germany, assignor to General Electric Company, a corporation of New York
Application November 10, 1934, Serial No. 752,454
In Germany December 14, 1933
6 Claims. (Cl. 188—160)



1. In combination with a railway car, an electromagnetic track brake provided with an operating winding, means mounting said brake for movement with said car, and means comprising a plurality of independent voltage sources connected in series accumulative relation with each other for supplying current to said winding the magnitude of which so varies with the speed of movement of said brake as to provide a substantially constant braking effort independent of said speed of movement.

2,084,172
ELECTRON TUBE
Paul G. Weiller, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Application December 13, 1930, Serial No. 502,035
10 Claims. (Cl. 250—27.5)



1. A hollow cathode having a wire mesh coated with emitting material therein, said hollow cathode also consisting of heating material

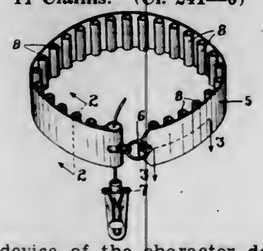
through which heating current flows for raising the temperature of said emitting coating to emitting temperature.

2,084,173
WEARING APPAREL
Louis Wexler, Brooklyn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 22, 1936, Serial No. 60,197
1 Claim. (Cl. 2—87)



A moisture proof jacket having ventilating means back of the shoulders, said ventilating means comprising an outer shoulder yoke member of the same material as the main portion of the garment and an inner shoulder yoke member of ventilated material, said outer yoke being joined to the remainder of the garment along the collar, shoulder and rear sleeve seams and being free along the major portion of its lower edge which edge extends across the back of the garment between the sleeve seams, said inner yoke being joined to the remainder of the garment along the collar, shoulder and sleeve seams and attached to the inside of the main back portion of the garment along a substantially straight line extending across the back of the garment between the mid-point of the rear sleeve seams, the upper edge of the main back portion of the garment freely extending outside and above its line of attachment to the inner yoke a substantial distance thereby forming a wide upwardly extending flap and the outer yoke member downwardly overlapping the main back portion of the garment a sufficient distance to prevent ingress of moisture.

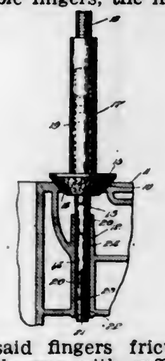
2,084,174
GARTER AND OTHER SUPPORTING MEANS
Randall B. Young, Akron, Ohio
Application August 15, 1936, Serial No. 96,221
11 Claims. (Cl. 241—6)



1. In a device of the character described, a flexible band provided on the inner face thereof with a longitudinally extending series of transversely disposed, parallel, spaced, flexible hollow bearing members.

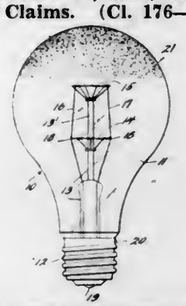
2,084,175
PILOT FOR VALVE GRINDING TOOLS
Herman W. Zimmerman, Chicago, Ill., assignor to Automotive Maintenance Machinery Co., Chicago, Ill., a corporation of Illinois
Application December 15, 1934, Serial No. 757,591
2 Claims. (Cl. 51—241)

1. In a pilot of the class described, a body member circular in cross section, and means for firmly securing said body member in a valve guide which includes a tubular portion at one end of the body that tapers outwardly from a point of lesser diameter than the valve guide to a point of greater diameter than the valve guide and then inwardly to a diameter of less than the diameter of the valve guide, said tubular portion being split longitudinally to provide an annular series of flexible fingers, the increased diameter



portions of said fingers frictionally engaging the valve guide way with sufficient force when inserted therein to self-hold the pilot firmly in place, and means resilient within said tubular portion and extending from the inner end thereof toward but short of the outer ends of said fingers for resiliently opposing inward flexible movement of said fingers and causing said fingers to flex in a substantially uniform manner from their inner to their outer ends.

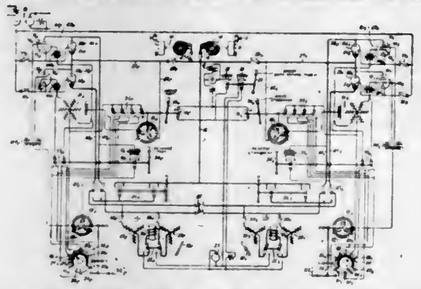
2,084,176
LAMP
Charles Adler, Jr., Baltimore, Md.
Application October 17, 1936, Serial No. 106,248
3 Claims. (Cl. 176—26)



1. An indicator lamp for signal purposes comprising a bulb and a base, means for supporting filaments within the bulb, and major and auxiliary filaments electrically connected in parallel and supported in unscreened substantially longitudinal alignment, said auxiliary filament having a substantially longer life than the major filament and disposed substantially more remote from the base of the lamp, the spacing of said filaments from each other being such that the filaments are independently discernible when both are incandescent.

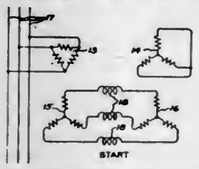
2,084,177
ELECTRIC POWER SYSTEM
Ernst F. W. Alexanderson and Albert H. Mittag, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application February 29, 1936, Serial No. 66,434
38 Claims. (Cl. 172—8)

38. In combination, an alternating current supply circuit, a motor of the synchronous type having a plurality of phase windings and a field winding connected to be energized in series relation with said phase windings, a plurality of electric valves for transmitting current from said supply circuit to said phase windings, a plurality of electric valves disposed in a sense opposite to that of said first-mentioned valves for returning said current through said field winding and said phase windings, and a plurality of excitation circuits each associated with a different one of said



electric valves and being energized in accordance with the voltage appearing across an anode and cathode of said associated electric valve comprising an electronic discharge device having two control members for conjointly controlling the conductivity of said device, means comprising a distributor mechanism coupled to said motor for energizing one of said control members from said supply circuit, and means for energizing the other of said control members in accordance with the C. E. M. F. of said motor.

2,084,178
DOUBLE-SPEED SYNCHRONOUS MOTOR
Gustave Angst, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application October 7, 1936, Serial No. 104,477
8 Claims. (Cl. 172—274)



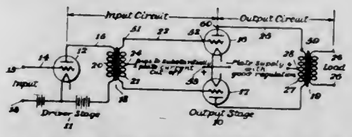
1. An alternating-current dynamo-electric machine comprising stator and rotor elements, main polyphase primary windings of one pole number on said stator and rotor elements, a source of polyphase supply, means for connecting said main windings to said source with reverse phase rotation for operating said machine as a double-speed synchonous motor, a polyphase primary induction motor winding of one-half the pole number of said main primary windings on one element, an induction motor secondary therefor on the other element, means for connecting said primary induction motor winding to said source in delta for starting said machine as an induction motor and bringing it up to approximately the double synchronous operating speed afforded by said main windings, and means for connecting said primary induction motor winding in star to said source after double synchronous speed operation has been established, said induction motor primary and secondary then serving as a damper during synchronous operation to minimize the tendency of the machine to pull out of synchronism.

2,084,179
CONTAINER
Charles B. Arnold, Chicago, Ill., assignor to Seymour & Peck Co., Chicago, Ill., a corporation of Delaware
Application November 16, 1934. Serial No. 753,331
3 Claims. (Cl. 217—89)



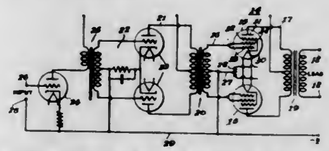
1. A cylindrical shell or container assembled from a preformed rectangular panel having a metallic band secured along opposite ends so as to extend a substantial distance beyond the proximate ends and one side edge of the panel, the panel being bent into cylindrical form, means connecting the panel edges longitudinally between the bands, means securing the ends of the bands in overlapped relation to the shell at points circumferentially spaced from its longitudinal connection, said band ends being permanently secured together at points beyond the proximate ends of the cylindrical shell providing outer integral ring portions, whereby the outer integrally formed portions of the bands may be finally bent inwardly between the points of securement over the ends of the container to provide a positive, non-yielding retainer for a head at all points circumferentially of the container.

2,084,180
RADIO SIGNALING SYSTEM
Loy E. Barton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 15, 1932, Serial No. 586,874
14 Claims. (Cl. 179—171)



8. In an audio frequency amplifier, a balanced electric discharge amplifier device, an input transformer and an output transformer pertaining thereto, providing input and output circuit alternating current impedance values therefor substantially lower than operating values of the internal input and output operating impedances of said device when drawing grid current.

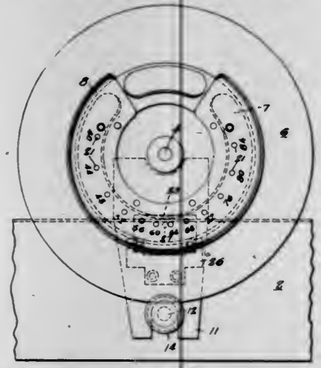
2,084,181
RADIO SIGNALING SYSTEM
Loy E. Barton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1932, Serial No. 589,847
18 Claims. (Cl. 179—171)



7. In a class "B" audio frequency amplifier, the combination with a pair of electric discharge devices each having an anode, a cathode and an input electrode structure located therebetween, of means providing a balanced input circuit for

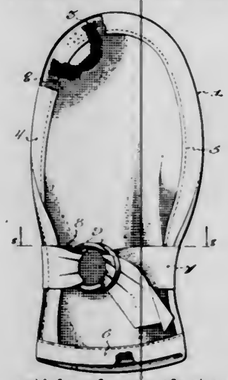
said devices connected electrically directly between the input electrode structure of each of said devices and its cathode, said input circuit providing an impedance in series with each of said input electrode structures lower at all times than the impedance between said control electrode structures and the cathodes.

2,084,182
TUNING DIAL
Albert Blain, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1936, Serial No. 82,199
9 Claims. (Cl. 116—124.4)



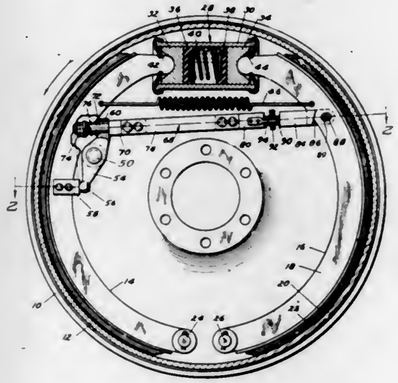
1. A tuning dial comprising a member having station markings of substantial area thereon which have a better light transmitting characteristic than the surrounding portion of the member, means for projecting a spot of light upon the back side of said member, and means for producing relative movement between said member and said spot of light as the receiver is being tuned to a desired station, said markings and said spot of light being so located with respect to each other that at least a portion of the spot of light is superimposed upon each of said markings as the receiver is tuned throughout its tuning range.

2,084,183
THUMB-GUARD
Mabel C. Blendinger, Milwaukee, Wis.
Application April 4, 1935, Serial No. 14,654
1 Claim. (Cl. 128—133)



As a new article of manufacture, an infant's thumb-guard comprising front and rear walls formed from identical blanks of open mesh fabric having parallel sides, straight lower edges, and rounded upper edges, a cloth binding strip folded over the marginal top and side edges of the front and rear blanks and having its edges secured together by a line of stitching passing through both of said blanks, a draw-tape of substantial width to avoid cutting and looped at one end, a pair of non-metallic rings held in said loop for frictionally gripping the opposite end of the draw-tape, said loop and draw-tape being secured to the guard at the wrist portion of the same by the line of stitching which attaches the binding strip to one side of the blanks and which also secures said loop, and a binding tape folded over and stitched to the lower edge of the front and rear blanks to provide a hand opening.

2,084,184
BRAKE
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application February 27, 1936, Serial No. 65,946
16 Claims. (Cl. 188—79.5)

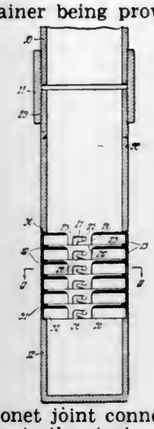


1. A vehicle brake comprising a primary braking element and a secondary braking element, and an adjustable stop for the primary braking element connected to and actuated by the secondary braking element during forward movement of the vehicle.

2,084,185
WELL STRAINER
Earle G. Boyer, Philadelphia, Pa., assignor to Hannifin Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application February 28, 1935, Serial No. 8,706
8 Claims. (Cl. 166—5)

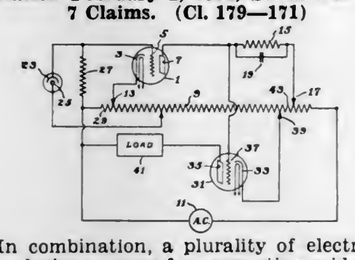
1. A strainer of the character described comprising in combination a plurality of rings each having an inwardly projecting flange, a plurality of projections extending from said flange and adapted to enter an adjacent ring and to seat on the flange thereof, said projections being deep enough to space the adjacent edge of the latter ring from the first named ring to provide a slot, said rings and projections connected by bayonet joints, a connecting fitting for one end of said strainer, a terminal fitting for closing the other end of said strainer, said fittings and the end

rings of said strainer being provided with pro-



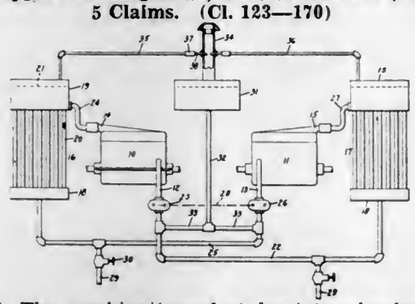
jections with bayonet joint connections for connecting the fittings to the strainer.

2,084,186
PHOTOCELL AMPLIFIER
Rene A. Braden, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 1, 1934, Serial No. 709,292
7 Claims. (Cl. 179—171)



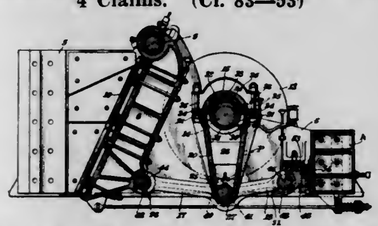
5. In combination, a plurality of electric discharge devices, means for connecting said devices to a power source of alternating potential, means for rendering one of said devices operative during one half-cycle and means in circuit with each of said devices for controlling the operation of another of said devices during a subsequent half-cycle in accordance with the operation of the first mentioned device during the first half-cycle.

2,084,187
COOLING SYSTEM FOR INTERNAL COMBUSTION ENGINE ARRANGEMENTS
Frederick H. Brehob, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application August 23, 1935, Serial No. 37,522
5 Claims. (Cl. 123—170)



1. The combination of at least two banks of internal combustion engine cylinders with at least two pumps and a plurality of coolers for the banks connected in series so that each bank receives cooling medium from one cooler and discharges it into another cooler.

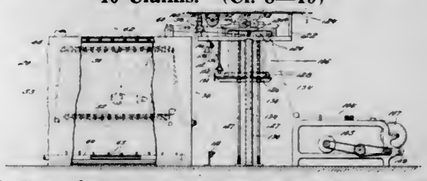
2,084,188
JAW CRUSHER
Gordon Buchanan, East Orange, N. J., assignor to Pennsylvania Crusher Company, Philadelphia, Pa., a corporation of New York
Application August 17, 1933, Serial No. 685,537
4 Claims. (Cl. 83—53)



1. In an oscillatory jaw crusher the combination with a frame and jaw, of toggle means for operating said jaw comprising a toggle member formed into two parts, one part shaped as a transversely open yoke and the other part shaped as a block member slidable in said yoke, means between said parts for maintaining them in longitudinal alinement while permitting relative movement between them, a transverse frangible plate carried by one of said parts and a blade member carried by the other of said parts in contact with said plate, said plate being accessible through said transverse opening of said yoke member with the parts in assembled position.

3. In a jaw crusher, an oscillating jaw, a drive shaft and an eccentric driven thereby, a pitman carried by said eccentric comprising a plurality of strap members formed into similar loops which are joined and spaced apart by integral webs forming a rigid unitary structure, a toggle shaft carried by said loops, and longitudinally aligned toggle links having socketed ends engaging said toggle shaft between said loops, for reciprocating said jaw.

2,084,189
APPARATUS FOR DYEING
Murray N. Bulford, Pontiac, R. I., assignor to B. B. & R. Knight Corporation, a corporation of Rhode Island
Application December 7, 1933, Serial No. 701,278
40 Claims. (Cl. 8—19)

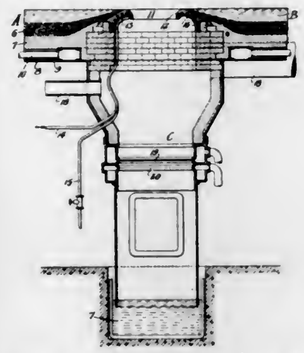


1. In a dyeing apparatus, dyeing and treating apparatus including means for holding a plurality of warp beams, a plurality of dye vats, each including sets of padding squeeze rolls to draw warp threads from selected beams through its respective vat, and means to positively drive all said squeeze rolls at the same peripheral speed, and means to drive said means whereby warp ends from selected beams may be driven through the respective dye vats, means to combine said individually dyed warp ends into a common beam for weaving, drying means, including rotatable

means to draw the combined warp sheet therethrough and means to drive said rotatable means, ageing means including rotatable means to draw the warp therethrough in a sinuous course, means to drive said rotatable means, means to introduce steam within said ageing means and means to introduce volatile organic acid fumes within, a sizing tank including a set of padding squeeze rolls to draw the warp therethrough and means to positively drive all said squeeze rolls at the same peripheral speed, drying means including rotatable means to draw the warp therethrough and means to drive said last mentioned rotatable means at constant speed, means controlled by the slack between said last mentioned drying means and sizing tank to control the speed of said rotatable sizing tank squeeze rolls driving means, means controlled by the slack between said sizing tank and ageing means to control the speed of said rotatable ageing means driving means, means controlled by the slack between said ageing means and first mentioned drying means to control the speed of said drying means driving means, means controlled by the slack of the respective warp threads between said first mentioned drying means and said individual dye-vats to selectively control the speed of said respective sets of rotatable dye vat squeeze roll driving means, warp beaming means, slack accumulating means interposed between said warp beaming means and last mentioned drying means whereby slack may be accumulated therein during the intermittent removal of warp beams to permit the continuous operation of said warp dyeing and treating apparatus disposed in front thereof and manually controlled means to drive said warp beaming means at a greater speed than said respective warp dyeing and treating apparatus to normally diminish the slack in said slack accumulating means, means controlled by the amount of slack in said slack accumulating means when said slack has reached a minimum to control the speed of the warp beaming driving means to bring it into substantial synchronism with the speed of said warp dyeing and treating apparatus, means operative when said slack in slack accumulating means has reached a maximum to stop the operation of said warp dyeing and treating apparatus, and means operative when the slack in said slack accumulating means has reached a minimum to stop said warp beaming means, said last two mentioned means being automatically operative to start said respective warp dyeing apparatus and warp beaming means when the slack in said slack accumulating means has again come within said respective maximum and minimum limits, manual means for simultaneously varying the speed of all said warp dyeing and treating apparatus and means for manual control of all said driving means.

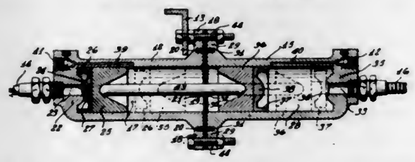
2,084,190
SLAGGING FURNACE
William E. Caldwell, New Rochelle, and Edward H. Man, Mamaroneck, N. Y.
Application September 26, 1934, Serial No. 745,496
2 Claims. (Cl. 122—235)

1. In combination, a furnace, a bottom for the furnace having a relatively small opening extending therethrough, said bottom except for said opening being constructed to prevent liquid slag from passing therethrough so that there is a concentration of slag flowing from the entire furnace bottom to and through said opening, a dam surrounding said opening having a slag drip lip, and cooling means adapted to the contour of said dam and lip cooperating therewith to maintain a pool of slag adjacent the opening and to protect



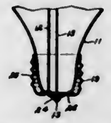
the dam and lip against destruction by the concentrated mass of flowing slag.

2,084,191
HYDRAULIC BRAKE SYSTEM COUPLER
John W. Carroll, Detroit, Mich.
Application October 4, 1933, Serial No. 692,103
4 Claims. (Cl. 188—3)



4. A device for connecting two independent fluid pressure brake systems so that pressure on the fluid in one system is transmitted to the fluid in the other system, said device comprising two cylindrical bodies each having one of their ends closed by walls provided with means for connecting them to respective brake systems, a piston mounted in each of said cylindrical bodies, plates removably mounted on the other ends of said cylindrical bodies, said plates having centrally disposed centering apertures therein, a rigid element loosely inserted through the centering apertures in said plates and having its opposite ends in unsecured engagement with pistons in different cylindrical bodies, and detachable means for securing said cylindrical bodies together.

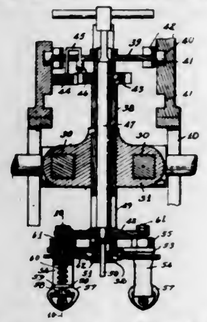
2,084,192
INCANDESCENT LAMP AND SIMILAR DEVICE
Paul O. Cartun, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application May 3, 1933, Serial No. 669,189
4 Claims. (Cl. 176—32)



4. An electric device comprising a glass bulb having an opening therein, a base including a metal shell and a disk of metal readily sealable to glass attached to said shell, said disk being sealed directly to the edges of said bulb opening and forming with said bulb a hermetically sealed

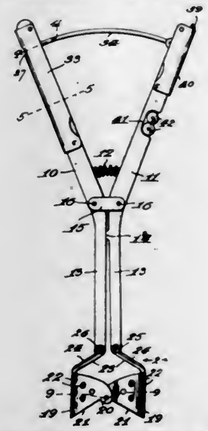
enclosure, and an energy translation element in said bulb with supporting means therefor attached to said disk independently of said bulb.

2,084,193
PRETZEL MAKING MACHINE
Harry A. Elliott, Jefferson, Iowa
Application May 26, 1934, Serial No. 727,702
5 Claims. (Cl. 107—8)



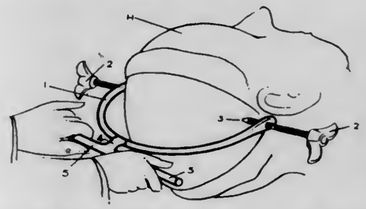
1. In a pretzel making machine, the combination of an endless conveyor, a plate carried by the conveyor shaped to receive and support a stick of dough while being formed into the shape of a pretzel, forming devices projected outwardly from said plate to engage the sides of a stick of dough for holding the stick of dough into a looped position while the pretzel is being formed, said pretzel forming devices being formed with fingers to project over the outer surface of the looped portion of the stick of dough to hold it against the plate, and means for bodily withdrawing said pretzel forming devices and fingers from contact with the stick of dough and withdrawing said fingers to position where they will not interfere with a movement of the pretzel away from the outer surface of the plate.

2,084,194
FRUIT AND VEGETABLE CORE EXTRACTOR
Louis Frank, Los Angeles, Calif., assignor of one-half to Fred F. Malone, Los Angeles, Calif.
Application January 8, 1936, Serial No. 58,118
2 Claims. (Cl. 146—53)



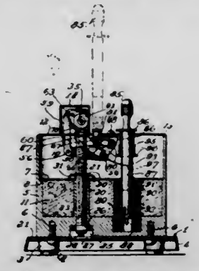
2. In a culinary implement of the class described, a pair of handles, plates pivotally connecting the lower ends of said handles, one handle between said plates being provided with a V-shaped notch, the other handle being provided with a V-shaped tooth that enters said notch, the width of the opening into the notch being greater than the width of the intermediate portion of said tooth so that said tooth is free to rock for a limited distance in said notch as the handles are swung upon their pivots, arms projecting from the pivoted ends of said handles, and a pair of pivotally connected cutting members connected to said arms.

2,084,195
SURGICAL INSTRUMENT
Bertrand O. Frezieres, Colorado Springs, Colo.
Application September 8, 1936, Serial No. 99,757
2 Claims. (Cl. 27—23)



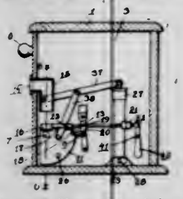
1. A surgical instrument for use in autopsies, comprising a yoke; and a pointed thumb screw mounted in each end portion of said yoke so that both thumb screws have a common axis; said yoke being adapted to be disposed about the skull to be operated upon, and said thumb screws being adapted to be set into said skull directly above the ears so as to provide facilities for turning and holding said skull in any desired angle while said skull is being sawed.

2,084,196
LIGHTER
Jack Galter, Chicago, Ill.
Application February 10, 1936, Serial No. 63,109
1 Claim. (Cl. 67—4.1)



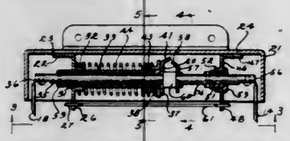
A pyrophoric lighter comprising a casing having a horizontal partition forming an upper and lower compartment therein, a top cover plate for said casing, a complete lighter assembly carried by said top plate including a sparking wheel, drive therefor, a torch, and a pyrophoric element bearing against said wheel, an elongated tube depending from said plate and enclosing said pyrophoric element, said tube passing through both compartments and partition to the bottom of the casing and having its bottom end threaded, a nut co-operating with said threaded end at the bottom of the casing to bolt said casing and top together, and means on said tube co-operating with said partition to take up the tension on said tube to prevent buckling of said cover plate.

2,084,197
COIN CONTROLLED APPARATUS
Stephen A. Grosser, Rochester, N. Y., assignor of one-third to Alois A. Grosser, one-third to Arthur A. Eagle, and one-third to Camillus J. Kesselring, all of Rochester, N. Y.
Application November 17, 1933, Serial No. 698,397
4 Claims. (Cl. 194—4)



1. In a book vending machine adapted to be released by a coin, the combination of a cabinet, a combined door and book support pivotally mounted in said cabinet, a segmental locking plate movable with said combined door and book support, a swinging latch for locking and releasing said locking plate, a counterbalanced lever connected to said latch, and means carried by said lever to receive and hold a coin and be overbalanced thereby to move said latch and release said locking plate, and means carried by said locking plate and cooperating with said first mentioned means to eject the coin from said first mentioned means on the operation of said combined door and book support.

2,084,198
FIRE ALARM SYSTEM
Alexander Johnson, Jamestown, N. Y.
Application January 22, 1936, Serial No. 60,228
2 Claims. (Cl. 200—142)



1. In an alarm system, an electrical circuit closing device comprising a receptacle, aligned relatively fixed and movable rods mounted in said receptacle, means connecting said rods in a circuit of said system, contacts terminating the adjacent ends of said rods, flanges projecting beyond said contacts, the flanges of one contact being inclined to and slidably engageable with the flanges of the other contact, a spring for urging one of said contacts toward the other to engage said flanges and non-conducting means between said contacts, said means, upon a predetermined advance in temperature, becoming plastic and permitting engagement of said flanges and the closing of a circuit in said system.

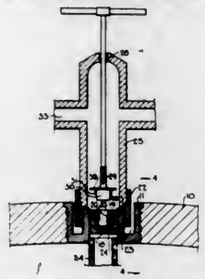
2,084,199
OPHTHALMIC MOUNTING
Charles W. Johnson, South Attleboro, Mass., assignor to Sadler Bros. Inc., a corporation of Massachusetts
Application November 28, 1934, Serial No. 755,154
Renewed May 7, 1937
6 Claims. (Cl. 88—49)

4. In an ophthalmic mounting, a nose pad, a pad-supporting arm, a single tongue provided on said pad, and said arm provided with an opening thru which said tongue extends, said tongue being bent to engage said arm at one location to determine a pivotal point and extending from said pivotal point at an angle to said pad for



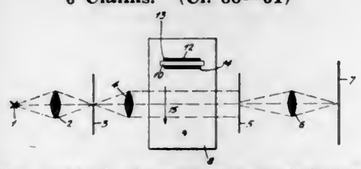
rocking of said pad about said pivotal point with reference to said arm.

2,084,260
BARREL TAP
Albert Karlson, New York, N. Y.
Application April 1, 1936, Serial No. 72,032
Renewed April 16, 1937
3 Claims. (Cl. 225—3)



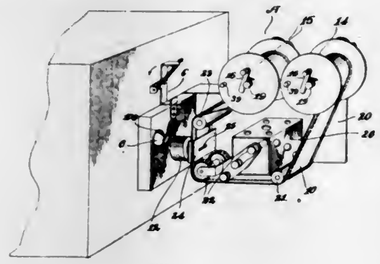
3. In a device of the class described, a beer barrel, a bushing mounted in the latter, said bushing being formed with a flange, a band upon the outer side of said bushing, and a flange upon said band adapted to cooperate with the flange upon the bushing, and a screw-bolt for securing the bushing and band together, the bushing being made with a central depression therein, whereby to form an inner wall in said bushing, a ring member mounted upon said inner wall and extending into the depression of the bushing, a stopper disposed in the latter, and a cylindrical tube mounted in the bushing and extending downwardly therefrom, an upper cylindrical tube detachably secured to the ring member, a rod mounted in said upper cylindrical tube, and means arranged upon said rod whereby to engage and remove the stopper from the bushing, and a washer arranged upon said rod, substantially as shown and described.

2,084,201
LIGHT RELAY
August Karolus, Leipzig, Germany
Application July 5, 1933, Serial No. 679,089. In Germany July 13, 1932
6 Claims. (Cl. 88—61)



1. The method of recording modulation frequencies which comprises developing a source of modulation frequencies, directing monochromatic light through a liquid whose index of refraction changes under pressure, producing within the liquid, under the control of the modulation frequencies to be recorded, standing waves of varying amplitude perpendicular to the direction of the monochromatic light to cause in the liquid different diffraction grating effects, and recording the light issuing from the liquid.

2,084,202
ELECTRICAL INDICATOR
August J. Kempien, St. Paul, Minn.
Application December 30, 1929, Serial No. 417,354
Renewed May 8, 1937
12 Claims. (Cl. 177—338)



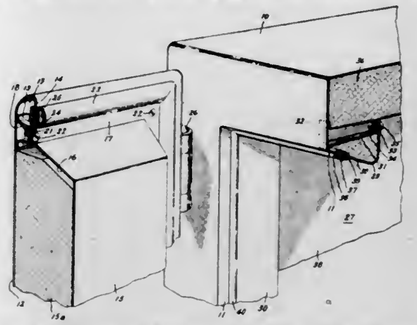
1. An electric signal indicator including a strip of film, a reel supporting means for each end of said film to which the film is attached, a sprocket engaging said film to move the same in either direction, a sprocket shaft, a solenoid, ratchet means on said sprocket shaft operated by said solenoid for moving said film in one direction, a second solenoid, means operated by said second solenoid for moving said film in the opposite direction, a circuit for each of said solenoids, and means for selectively energizing said solenoids.

2,084,203
ARTIFICIAL RESIN
Earle C. Kneale and Henry H. Wohlgemuth, Pontiac, Mich.
No Drawing. Application November 18, 1931, Serial No. 575,960. Renewed August 1, 1935
7 Claims. (Cl. 260—4)

3. A process for the production of a resinous body which comprises admixing glycerine with a liquid partial condensate of phenol and formaldehyde in such proportions as to prevent substantial further condensation thereof, adding the admixed mass to melted colophony maintained at a temperature of between 160° and 190° C., and thereafter heating the resultant admixture to temperatures of between 215° and 280° C. until the reaction is completed.

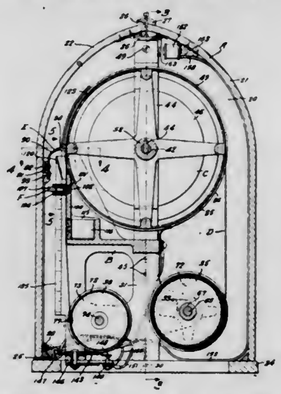
2,084,204
REFRIGERATOR CABINET
James L. Knight, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application August 6, 1935, Serial No. 34,898
3 Claims. (Cl. 220—15)

1. A refrigerator cabinet construction comprising inner and outer sheet metal walls arranged in spaced relation substantially throughout the extent thereof, heat insulation arranged between said walls, means including a cup-shaped metallic spacer of relatively low heat conductivity extending between said walls for securing said walls together in spaced relation, said cup-shaped spacer being provided with a peripheral flange extending about the open end thereof, said flange being welded in face engagement to one of said



walls, and means for securing the closed end of said cup-shaped spacer to the other of said walls.

2,084,205
MEANS FOR SELECTING RADIO PROGRAMS
Russell C. Lane, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 30, 1931, Serial No. 583,899
6 Claims. (Cl. 250—20)

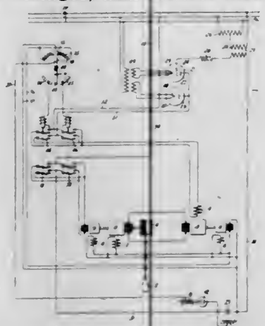


1. A preselector for radio instruments, comprising in combination, a control web, a web actuating drum, station selector mechanism disposed to engage said drum, a take-up spool, and means actuated when a predetermined length of the control web is wound on said spool to release the engagement between the selector mechanism and drum.

2,084,206
SYSTEM OF MOTOR CONTROL
Harold B. La Roque, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 1, 1935, Serial No. 8,860
11 Claims. (Cl. 172—239)

1. A system of motor control comprising in combination with a motor, an electric discharge device, means for producing a control voltage, manually operated means movable to preselect a final value of said voltage, means for varying said voltage to said final value at a predetermined rate after such preselection, means responsive to the speed of said motor for producing a second voltage in opposition to said control voltage, means for controlling the conductivity of said discharge device in response to the difference be-

tween said voltages, and control means for said



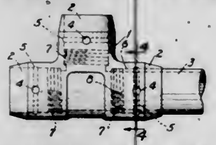
motor responsive to the conductivity of said discharge device.

2,084,207

JOINT AND METHOD OF MAKING THE SAME

David E. Lindquist, John E. Gray, and Harold K. Rader, Port Huron, Mich., assignors to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan

Application October 14, 1935, Serial No. 44,930
5 Claims. (Cl. 29—157)

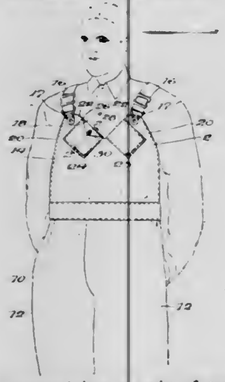


1. The method of making a joint which comprises providing a fitting having a socket member having a smooth internal face bottomed by a female threaded portion, telescopingly inserting an entering member into said socket, said entering member having the end thereof provided with a male threaded portion, threading said male and female portions together, and introducing a melted sealing material into the interfacial region between the smooth face of the socket member and the entering member, said threading being accomplished in such a manner that the female threading in the fitting cuts at least one male thread on the entering member.

2,084,208

OVERALLS

Fred V. Lucas, East Bernstadt, Ky.
Application July 8, 1936, Serial No. 89,605
1 Claim. (Cl. 2—227)



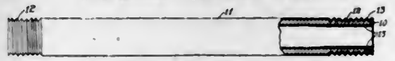
A garment comprising a pair of overalls including a bib portion adapted to cover the chest of the wearer, said bib portion having its upper portion cut away so as to provide a V-shaped neck opening, a pocket secured to the bib on each side thereof and having its openings registering with the adjacent edges of the V-shaped opening, the said pockets being secured to the bib at an oblique angle to the vertical median line, and one of the said pockets being provided with a flap for closing its opening.

2,084,209

COATED METAL PIPE AND PROCESS OF PRODUCING THE SAME

Peter McIlroy, Pittsburgh, Pa., assignor to Enameled Metals Company, a corporation of Pennsylvania

Application June 28, 1934, Serial No. 732,841
6 Claims. (Cl. 91—70.2)



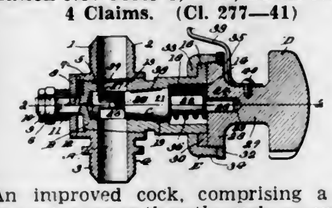
4. A process of producing coated metal pipe comprising hot galvanizing a length of uncoated, unthreaded metal pipe, providing the ends of such coated length of pipe with suitable threads and then cold galvanizing the threads only of such pipe.

2,084,210

GAS COCK

Benjamin E. Meacham, Cleveland, and William Lotter, Parma, Ohio, assignors to American Stove Company, St. Louis, Mo., a corporation of New Jersey

Application November 3, 1936, Serial No. 109,018
4 Claims. (Cl. 277—41)



1. An improved cock, comprising a housing having a passageway therethrough, an open ended chamber in said housing intermediate the length of said housing passageway and having its inner walls tapered to provide a conical valve seat, a hollow tapered plug valve in said seat and provided with a passageway adapted for communication with the housing passageway at each side of said chamber, said plug valve interiorly provided with a conical shaped chamber, a secondary valve having a conical shaped portion seated within the conical chamber of the main valve and provided with a shutter adapted to open and close the passageway of the main valve, means to hold said main valve upon its conical seat under resilient tension, means to hold the conical portion of the secondary valve within its conical seat under resilient tension, and operating means to rotate said main plug valve and said secondary valve in respect to the housing, for the purpose described.

2,084,211

CONVEYING APPARATUS FOR CONTINUOUS STRIP MATERIAL

Carl E. Moore, Gary, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey

Application August 24, 1934, Serial No. 741,305
2 Claims. (Cl. 271—2.3)

1. Conveying apparatus for continuous strip material comprising a table having an inclined portion and a declined portion, and means solely at the foot of the inclined portion of said table for moving said material over said inclined portion, the declined portion of said table being of



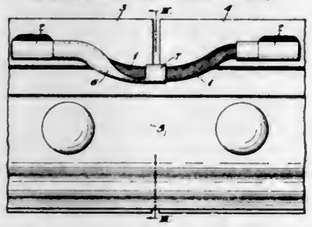
sufficiently greater length than the inclined portion thereof to permit the material thereon to act by its own weight to pull itself forwardly with respect to said table.

2,084,212

RAIL BOND

Salvador Moreira, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application December 29, 1933, Serial No. 704,555
3 Claims. (Cl. 173—262)



3. A rail bond including a flexible conductor strand, terminals for connecting said strand to railroad rails, said strand being of such construction as to have an individual high-frequency vibratory period and said rails carrying traffic creating high-frequency vibrations therein which are imparted to said terminals when the latter are connected thereto, and metallic vibration transmitting means interconnecting at least one of said terminals and a substantially central portion of said strand, said means being in such intermetallic contact with both said terminal and said strand and having such inherent physical characteristics as to be capable of transmitting said high-frequency vibrations from said terminal to said portion of said strand, whereby said strand is subjected to said high-frequency vibrations at both its terminal ends and said portion and is consequently forced to vibrate in synchronism therewith in its entirety regardless of its said individual vibratory period.

2,084,213

RESINOUS MATERIAL AND METHOD OF PRODUCING

Arthur L. Osterhof, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 27, 1930, Serial No. 505,207
19 Claims. (Cl. 260—3)

1. The method for producing an abietic acid product which includes effecting direct condensation of esterified abietic acid with an aldehyde in the presence of an acid selected from the group consisting of inorganic acids, organic carboxylic acids other than resin acids, and sulfonic acids.

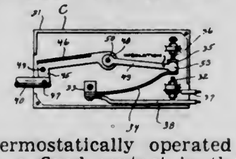
17. The method for producing an abietic acid product which includes effecting direct condensation of an abietic acid compound selected from the group consisting of abietic acid and abietic acid esters with an aldehyde in the presence of p-toluene sulfonic acid.

2,084,214

THERMOSTATICALLY OPERATED SWITCH

Joseph Pagano, Memphis, Tenn.

Application February 18, 1935, Serial No. 7,087
4 Claims. (Cl. 200—137)



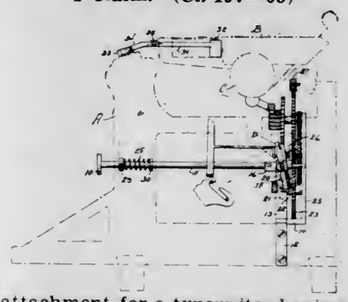
1. In a thermostatically operated switch, a switch casing, a fixed contact in the casing, a spring contact arm fixed at one end to the casing and having its free end normally engaging the fixed contact, adjustable stop means for limiting movement of the free end of the contact arm away from the fixed contact, a bell crank pivoted to the casing providing a long arm and a short arm, a switch arm having one end operatively engaging the free end of the contact arm for imparting movement to the spring contact arm, means pivotally connecting the opposite end of the switch arm with a friction joint to said long arm, and a thermostatic element connected to said short arm for imparting swinging movement to the bell crank.

2,084,215

TYPEWRITER CARRIAGE RETURN AND PLATEN SPACER MECHANISM

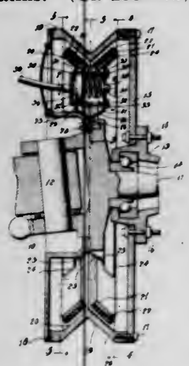
Enrique Perozo, Habana, Cuba

Application September 3, 1935, Serial No. 39,007
1 Claim. (Cl. 197—65)



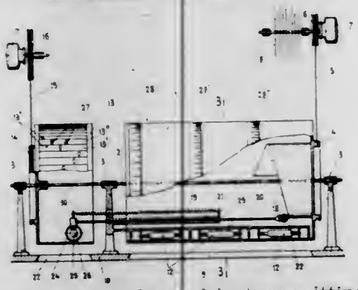
An attachment for a typewriter having a movable carriage and an escapement mechanism for controlling the movement of the carriage in letter spacing direction, comprising a substantially Y-shaped bracket for mounting on a typewriter frame for vertical disposition thereof, a key stem slidably fitted in the frame of said typewriter, a bearing on the bracket for the said key stem, said key stem having a reduced inner end slidably fitting said bearing, a rack on said stem next to the reduced end, a train of gearing supported from said bracket, a worm gear fitting one of the gears of the train, a worm shaft bridging the worm gear and meshing therewith, a rack pinion on said worm shaft and meshing with the rack on said stem, a rack on the movable carriage of the typewriter and engaged by another gear of said train, a key head on said stem and located spaced from the front of the said typewriter frame and a spring fitting the frame and the said stem for tensioning the latter.

2,084,216
V-TYPE BRAKE FOR MOTOR VEHICLES
Robert A. Poage, Panhandle, Tex., and Marlin Z. Poage, Tallahassee, Fla.
Application June 27, 1935, Serial No. 28,738
Renewed November 11, 1936
4 Claims. (Cl. 188—72)



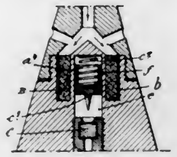
1. In braking mechanism of the class described, a support, a brake drum, said drum having an inwardly pointing V-shaped portion providing diverging braking surfaces, shoes in diverging relation coacting with said surfaces, means operable to apply and release said shoes from said surfaces, said portion being integral with said drum, removable closure means secured to said drum, and removable closure means on said support, both of said closure means serving to enclose the operating parts of the braking mechanism.

2,084,217
RADIO RECEIVER SCALE
Umberto Quintavalle, Milan, Italy, assignor to Tabbrica Italiana Magneti Marelli Soc. An., Milan, Italy, a corporation of Italy
Application December 29, 1936, Serial No. 118,164
In Italy January 7, 1936
15 Claims. (Cl. 116—124.4)



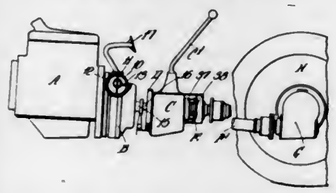
1. An indicator of tuned-in transmitting station in a radioreceiver comprising a scale made in terms of a given datum, a pointer cooperating therewith, actuating means for producing a respective motion of said pointer and scale said actuating means being connected with a tuning element of said radioreceiver, a second scale independent of said first scale and made in terms of a second datum, a second pointer cooperating with said second scale, said second scale and second pointer being respectively adjustable in respect of said second datum, and means for shifting said second pointer in unison with said respective motion of said first named scale and pointer.

2,084,218
DELAY ACTION FUSE FOR PROJECTILES AND THE LIKE
Léon Emile Rémondy, Paris, France
Application December 4, 1935, Serial No. 52,913
In France December 20, 1934
13 Claims. (Cl. 102—36)



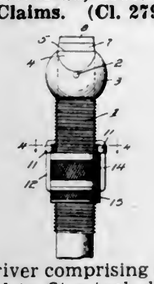
1. In a delay action fuse mechanism for a projectile containing a bursting charge, the combination of a primary firing means for initiating the explosion of the bursting charge, a charge of heat producing material adapted to be ignited by said primary firing means, an auxiliary firing mechanism for exploding said bursting charge, means normally retaining said auxiliary firing mechanism in inoperative position but so constructed and arranged as to render the latter operable upon being heated, and a heat transmitting wall separating said heat producing material from said auxiliary firing mechanism and retaining means, said wall being so constructed and arranged that heat sufficient to ensure the operation of said auxiliary firing mechanism is transmitted therethrough from said heat producing material to said retaining means at a rate which establishes the delay in the operation of the fuse mechanism.

2,084,219
POWER TRANSMISSION MECHANISM
Piero Mariano Salerni, Westminster, England
Application August 1, 1932, Serial No. 627,196
In Great Britain August 13, 1931
16 Claims. (Cl. 74—189.5)



1. Power transmission mechanism for motor vehicles including an engine, a variable speed gearing, a hydraulic power transmitter between the engine and speed gearing having a liquid circuit, said power transmitter having a valve, means for inserting the valve into and withdrawing it from the liquid circuit, a device for interrupting the transmission for the purpose of coasting and to facilitate gear changing when the valve is inserted in the liquid circuit, a brake acting on the driven member of the transmitter, a single actuating lever and a link mechanism operatively connected to said valve, said brake and the interrupting device, said link mechanism having a lost motion connection with the interrupting device whereby upon the actuation of the lever, the valve is moved to its closed position, the interrupting device is operated and the brake applied.

2,084,220
SCREW DRIVER
Norbert Schelot and Elmer E. Vahle, St. Louis, Mo.
Application October 22, 1936, Serial No. 107,093
3 Claims. (Cl. 279—79)



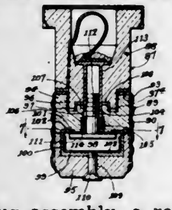
1. A screw driver comprising a body having one end constructed to fit a tool chuck and provided with a slot opening outwardly through the opposite end thereof, a bit received in said slot and protruding therefrom at said last-named end of the body, a nut threaded on the body, said bit having notches, a substantially U-shaped strap engageable with the nut and extending through the slot and having its ends bent angularly to engage in the notches, a follower engaging the nut and the bit and having forked ends to receive the strap.

2,084,221
CARBON PAPER DUPLICATOR SHEET
Harry H. Schutz, Washington, D. C.
Application October 17, 1936, Serial No. 106,233
4 Claims. (Cl. 282—28)



1. A duplicator sheet comprising a sheet of carbon paper and a sheet of thin paper permanently secured to the inked surface of the carbon paper.

2,084,222
FUSE PLUG ASSEMBLY
George M. B. Sener, Pontiac, and Thomas Newman, Drayton Plains, Mich.
Application April 9, 1936, Serial No. 73,560
14 Claims. (Cl. 200—119)

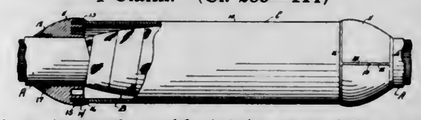


1. In a fuse plug assembly, a rotatable plug-like element of non-conducting material, said element being formed with a socket and an axial opening communicating with the socket, said element being formed with a peripheral shoulder, a fixed interiorly threaded tube in said opening and having a closed end positioned within said socket, a fuse anchored to said end, arranged in said socket, extending through the plug body and abutting said shoulder, and an adapter structure for receiving said element, said structure including a body of non-conducting material formed with a socket and a passage opening into the latter for receiving said tube, an outer contact on said body for coaction with said fuse, a shiftable spring controlled circuit opening and closing member within the socket of said body, an inner contact for coaction with and normally free of contacting relation with said member, and a peripherally threaded stem carried by said member, arranged in said passage for threaded engagement with the threads of said tube, on the rotation of said element in one direction to provide respectively for the coupling of said element and body together; the shifting of said member to engage said inner contact; and for the contacting of the fuse with said outer contact.

2,084,223
RECOVERY OF LIGHT OIL FROM COKE-OVEN GAS
Hobart W. Seyler, Elizabeth, and Joseph H. Wells, Clairton, Pa.
No Drawing. Application September 23, 1935, Serial No. 41,828
2 Claims. (Cl. 196—4)

1. In the recovery and refining of coke-oven light oil, the method of treating the emulsion of oil and water obtained during processing of the absorbing oil and the lime sludge obtained from the neutralization with milk of lime of the acid remaining in the light oil and fractions thereof after washing the same with sulphuric acid, including intermixing said emulsion and said sludge and acidifying the resulting mixture to a pH of from 1 to 6.9, whereby to permit separation of the oils in said mixture from the water and solids in said mixture.

2,084,224
CABLE JOINT
John D. Shaw, Washington, D. C.
Application February 11, 1936, Serial No. 63,406
1 Claim. (Cl. 285—114)

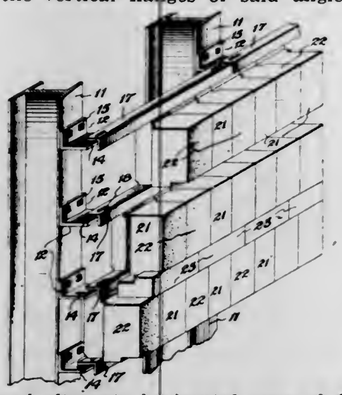


A protector for cable joints, comprising a precast cylindrical body fitting a cable at a joint therein and incasing said joint, a precast cap embracing the cable and interfitting with the end of said body, the cap being formed with solder receiving channels internally thereof at opposite ends, and a solder sealing the points of interfitting of the body and cap and the cap on the cable, respectively, and wholly confined in the channels.

2,084,225
FURNACE WALL CONSTRUCTION
Gibbs M. Slaughter and George W. Black, Athens, Tex., assignors to Athens Brick & Tile Company, Athens, Tex.
Application December 3, 1936, Serial No. 114,064
6 Claims. (Cl. 72—101)

1. A furnace wall structure comprising the combination of upright buck stays, angle brackets secured to said buck stays and angle iron shelves adapted to support a section of said wall, means adjustable both longitudinally of said wall and perpendicular to said wall for receiving said shelves on said brackets with the vertical flanges of said angle irons extending below said

brackets, horizontal rows of bricks, the outer portions of which rest on the angle irons below and the upper ends of said rear portions extend behind the vertical flanges of said angle iron



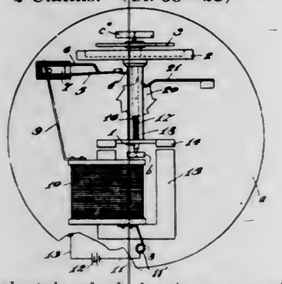
shelves and alternate horizontal rows of filling bricks between said first named rows contacting the inner portions thereof and extending outwardly to the vertical flanges of said angle iron shelves.

2,084,226

ELECTRIC CLOCK

André Strahm, La Chaux de Fonds, Switzerland, assignor of one-third to Samuel Maeder, Tavannes, Switzerland, and one-third to Gerard Friedli, Reconvilier, Switzerland

Application April 2, 1936, Serial No. 72,420
In Switzerland August 6, 1935
2 Claims. (Cl. 58—28)



1. In an electric clock having an oscillatable spindle carrying the armature of an electromagnet and a balance wheel, a helicoidal spring wound about said spindle and mounted for oscillation with the spindle, one end of said spring projecting laterally of the spindle and being capable of yielding in axial direction, and a wheel having ratchet teeth coacting with said laterally projecting spring end whereby upon oscillation of the spindle and spring in one direction the spring end abuts against a radial face of a ratchet tooth to impart a movement of rotation to said wheel, and upon oscillation of the spindle and spring in opposite direction the spring end slides over the inclined back face of the next following ratchet tooth and yields in axial direction to engage with the radial face of said tooth.

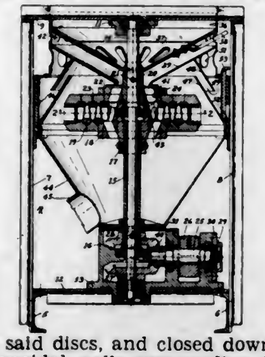
2,084,227

DISINTEGRATING MILL

Nils H. Swanson, Aurora, Ill.

Application January 16, 1933, Serial No. 651,999
1 Claim. (Cl. 83—11)

In a mill, a pair of discs rotatable in a horizontal plane, means for rotating said discs in opposite directions, alternating circular rows of cutting teeth on said discs, means for supplying material to be disintegrated through apertures in the upper disc, a screen surrounding the outer row of teeth on one of said discs, a fan carried



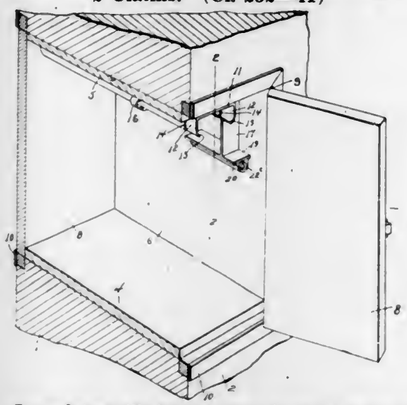
by one of said discs, and closed downwardly extending conoidal walls surrounding the mill including means for positively directing the material downwardly for separating the disintegrated material from the air currents set up by the fan.

2,084,228

SAFETY MILK BOTTLE CONTAINER

William Harold Van Buskirk, Vancouver, British Columbia, Canada

Application December 2, 1935, Serial No. 52,582
2 Claims. (Cl. 232—41)



1. In safety milk bottle containers, an inverted U-shaped channelled bottle hanger having provision in virtue of which it may be secured to an overhead support, the ends of said hanger being open, a locking device adjacent one end of said hanger, said hanger having a transverse slot in each of its side walls, said locking device comprising a hinged plate constructed to be swung into said slots across the channelway, and means to lock said plate in its position across said channelway.

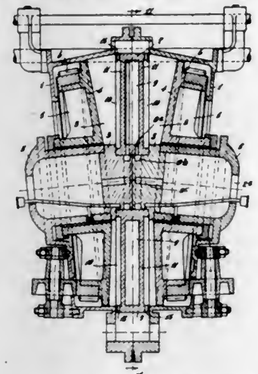
2,084,229

PROCESS FOR EXTRACTING JUICE FROM CUT SUGAR BEETS AND OTHER GAS CONTAINING SUBSTANCES

Dirk Hendrik Johan van Maanen, Berchem/Antwerp, Belgium

Application October 17, 1934, Serial No. 748,746
In Belgium November 7, 1933
1 Claim. (Cl. 100—38)

A process for the extraction of liquid from air or gas containing substances consisting of relatively coarse parts, forming a loose incoherent mass, the free spaces of which are air or gas filled, which comprises removing the air or gases and the liquid from the mass by introducing the mass into a pressing chamber growing narrower from the inlet to the outlet and having oppositely located pressure surfaces, causing a volume of said substances to be pressed to decrease the same in size taperingly from the inlet to the outlet end thereof in a vertical direction while



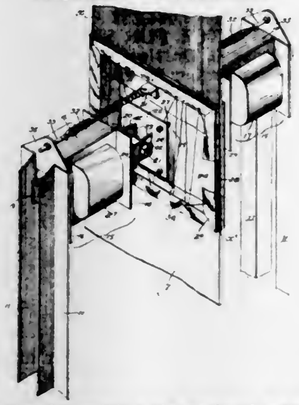
causing the substances to be filtered horizontally through only one surface, applying heat at the said surface, applying pressure laterally to the substances, cooling at the opposite surface to thereby maintain a difference of temperatures between the cooling and heated surfaces and simultaneously causing flow laterally of gases to be eliminated from the substances filtered, thereby maintaining a substantially uniform and continuous flow downwardly of the substances being pressed.

2,084,230

ATTACHMENT FOR HOSIERY DRIERS

Harry F. Wanamaker, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania

Application November 4, 1935, Serial No. 48,256
18 Claims. (Cl. 223—112)



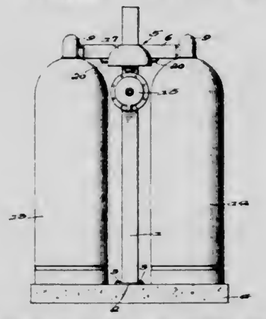
1. A device for setting the welt of a stocking on a hosiery form, comprising a setting element having a flat face in resilient longitudinally convergent relation to said form, and means for moving said element in a direction substantially perpendicular to and toward said form to cause the advance edge of said convergent element to engage a stocking on the form and to move longitudinally of the form and to bring the flat face of said element finally into flat contact with the stocking thereon.

2,084,231

SUPPORT AND PROTECTING DEVICE FOR FLUID DISPENSING CYLINDERS

Walter G. Watkins, Kansas City, Mo., assignor to Skelly Oil Company, Tulsa, Okla.

Application September 3, 1936, Serial No. 99,298
4 Claims. (Cl. 221—73.5)



3. A protecting device for the valves of adjacent fluid dispensing cylinders comprising a plurality of valve bonnets, means extending between said bonnets for supporting the same as a unitary structure, a hood carried by said last named means, adapted to enclose at least a portion of a pressure regulator assembly, an upright standard adjustably supporting said protecting device, and means for locking said protecting device in place on said standard.

2,084,232

COMPOSITE MATERIAL

Roger W. Williamson, Ruxton, and Guy Leonard, Baltimore, Md.

No Drawing. Application December 4, 1935, Serial No. 52,886
3 Claims. (Cl. 106—24)

1. A composite sheet consisting of an unfired non-friable substantially hard and tough sheet-like refractory body comprising a mixture of a hydraulic cement binder, asbestos, a foliated micaceous material, and a tempering agent consisting of a hydrous aluminum silicate of the kaolin group, the proportions of tempering agent with respect to the total mixture being such that the body is readily workable with edge tools and penetrable by sharp metal anchoring devices without danger of body fracture.

2,084,233

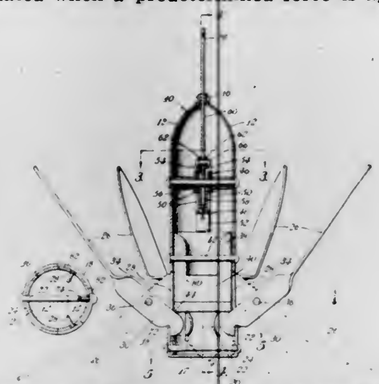
ANCHOR

Bruno R. Zepa, Chicago, Ill.

Application March 30, 1936, Serial No. 71,726
2 Claims. (Cl. 114—208)

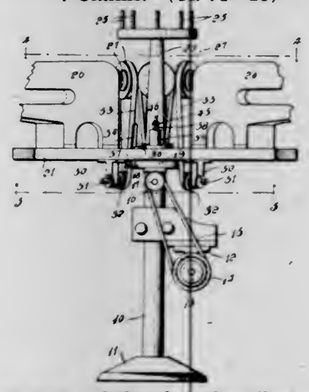
1. In an anchor, a supporting body having a plurality of anchoring arms pivotally connected therewith, an arm holding member movably associated with said supporting body and arranged for holding the arms in an anchoring position, a pair of arms pivotally connected inwardly of their ends, one end of each arm being arranged to engage said member for holding the same in fixed relation with the anchoring arms, links pivotally connected with the other ends of said arms, a spring connecting one end of each arm with the opposite end of the other arm, and means

movably connected with one end of each arm and actuated when a predetermined force is applied



thereto for shifting the arms to a non-holding position with respect to said member.

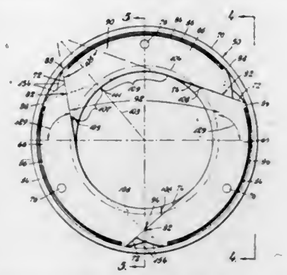
2,084,234
COMBINATION MACHINE STAND
Alfred J. Anderson and Earl C. Keller, Susanville, Calif.
Application July 13, 1936, Serial No. 90,446
7 Claims. (Cl. 74—16)



1. Apparatus of the class described comprising a stand having power means thereon, a table movably mounted on said stand, devices to be operated mounted on said table, and means to connect and simultaneously drive the first mentioned means and said devices collectively adapted to be arranged in proximity through movement of the table.

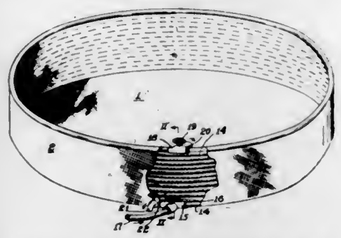
2,084,235
METALLIC ROD-PACKING
John Badeker, Chicago, Ill.
Application December 9, 1935, Serial No. 53,664
7 Claims. (Cl. 286—24)

1. In a metallic packing, a pair of adjoining rings, each comprising a plurality of similar segments having end faces extending substantially tangentially of the bore of the ring formed thereby, said tangential end faces of the segments of each ring being in slidable fitting contact and the end faces of the segments of one ring extending oppositely to those of the segments of the other ring, and means pivoting together pairs of overlapping segments of the rings, the construction and arrangement being such



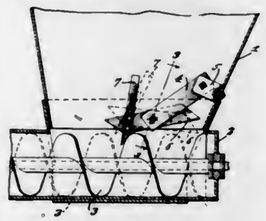
that tangential thrust on each segment balances the thrust on the segment pivoted thereto.

2,084,236
PORTABLE RESERVOIR
John Donald Babb, Pittsburgh, Pa.
Application January 6, 1937, Serial No. 119,308
8 Claims. (Cl. 4—177)



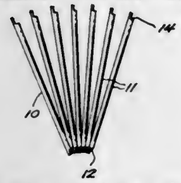
1. A portable reservoir comprising a bottom portion and a wall portion, said wall portion being normally collapsed but adapted to be erected under water pressure, the water acting to fill the reservoir after erecting the wall as aforesaid, the wall portion being provided with means for this purpose.

2,084,237
AGITATOR FOR STOKERS
Oscar L. Bartlett, Cairo, Ill.
Application September 11, 1936, Serial No. 100,374
3 Claims. (Cl. 259—39)



1. In combination with a hopper and a spiral conveyor of a stoker, an arm pivoted to the hopper, a feed plate pivoted to the arm and disposed above the conveyor and capable of rocking movement so that its ends alternatingly move towards and from the conveyor, and means carried by the feed plate to contact the conveyor when empty of coal to bring about rocking movement of the feed plate and itself act to agitate the coal and bring about gravitation thereof to the conveyor.

2,084,238
CARD INDEX
John Austin Best, Augusta, Ga.
Application October 8, 1935, Serial No. 44,106
5 Claims. (Cl. 129—16.7)



3. An index card comprising a body having extensions of the side edges thereof folded lengthwise over upon said body, said extensions being folded in line with the side edges of the card with their lower edges terminating above the side portions of the lower edge of the card and being free to be flattened out in the plane of the card for the purpose set forth.

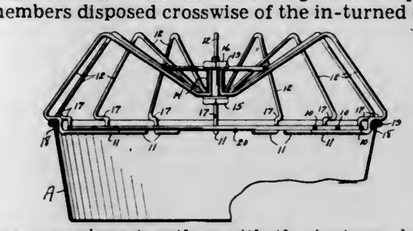
2,084,239
STAKE
Bennie H. Bradford, Oxford, N. C.
Application April 3, 1936, Serial No. 72,604
1 Claim. (Cl. 189—30)



A stake of the kind described, comprising a body of rounded formation and tapering in one direction, a spiral thread exteriorly of said body, inverted conical formations between the spirals of said thread, the upper end of each of such formations being greater in diameter than the lower end, the thread following and being located at the greater diameters of said formations, a pointed tip formed at the smaller end of said body and extended beyond the terminal of the thread next to said tip and a short spiral built on and protruding from the thread at a point close to the tip to provide a wing gradually thickened from the lowermost point to the highest point thereof, and a beveled sharp edge provided at the lowermost end of said wing, the wing being graduated from the lowermost to the uppermost extremities of the same.

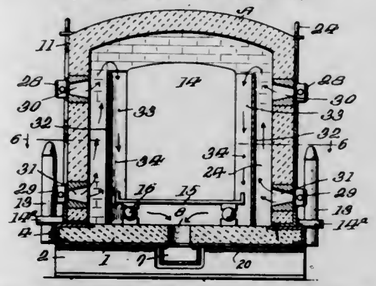
2,084,240
POULTRY FEEDER AND WATERER
Francis Willard Buckle, Glanford Township, Ontario, Canada
Application June 23, 1936, Serial No. 86,881
4 Claims. (Cl. 119—61)

1. A guard of the kind described comprising a crowning frame for a poultry feeding or watering receptacle and having a plurality of wire lengths arranged spaced from each other, inturned inner ends formed from the wire lengths and spaced members disposed crosswise of the in-turned ends,



these members together with the in-turned ends constituting a flanged area disposed in a horizontal plane interiorly and next to the side wall of the receptacle to provide an open space centrally located with respect to said receptacle.

2,084,241
METALLURGICAL FURNACE
Arthur M. Capper, Emsworth, Pa.
Application July 3, 1935, Serial No. 29,726
3 Claims. (Cl. 266—5)

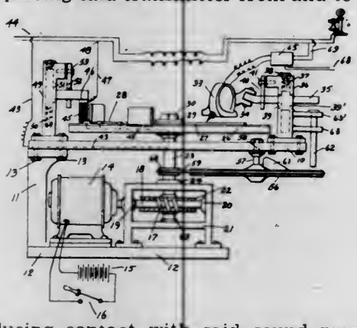


1. In a metallurgical furnace, a hearth, a cover for said hearth for forming a closed furnace chamber, a series of flue outlet openings centrally arranged in said hearth and having communication with an outlet stack, a closed box for containing the material to be treated within the furnace, means supporting said box above said hearth bottom and the outlet flue openings thereof, vertically extending baffles paralleling each side of the box and the side walls of the furnace cover, said baffles provided with end walls extending towards and engaging the side walls of the box at a point adjacent the box ends, the upper ends of said baffles terminating in approximately the same horizontal plane as the top of said box and forming between themselves and the box closed flue passageways, burners in the opposite side walls of said furnace cover for directing flames against said baffles, and said flue outlet openings creating a down draft in said furnace chamber, for the purpose described.

2,084,242
PHONETIC ALARM SYSTEM
Henry C. Cassell, Milwaukee, Wis.
Application May 22, 1935, Serial No. 22,899
2 Claims. (Cl. 179—5)

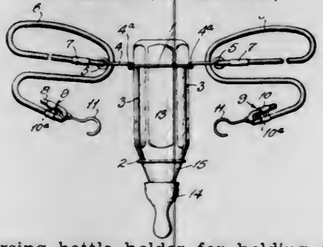
1. In an electric alarm system for use in connection with a standard service telephone, a motor, a revolving disc driven by said motor, a sound record on said disc, an electro-magnetic transmitter for transmitting sound recorded on said record, contacts mounted on said disc, a contact brush cooperative with said contacts for signaling the operator at said service telephone

during initial revolving motion of said disc, means for moving said brush from the path of said contacts during subsequent revolving motion of said disc, a second disc driven by said motor, means actuated by said second disc for lifting and replacing said transmitter from and to sound



reproducing contact with said sound record at the end of each alarm sounding interval, amplifying and rectifying means connected in circuit with said transmitter, and means controlled by said disc for effecting automatic operation of the system upon the closing of the circuit of said motor.

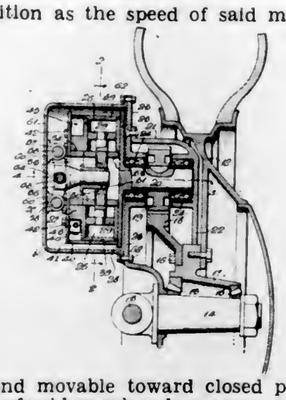
2,084,243
NURSING BOTTLE HOLDER
Kathryn West Charles, Atlanta, Ga.
Application March 4, 1936, Serial No. 67,131
1 Claim. (Cl. 248—102)



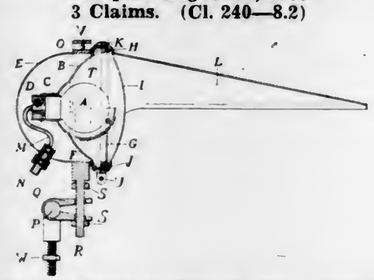
A nursing bottle holder for holding a bottle in inverted position, comprising a skeleton receptacle having secured thereto at its uppermost end when in use a pair of oppositely extending diametrically disposed trunnion members, and means secured to each trunnion member for removably securing the device to opposite wall portions of a crib or the like, whereby the holder and an inserted bottle is supported solely through said trunnions and is normally maintained inverted in substantially vertical position and swingable on a horizontal axis defined by said trunnion supports to render the bottle and holder freely accessible for feeding periods when desired by the infant without manual attention.

2,084,244
FLUID BRAKE
Frank A. Critz, West Point, Miss.
Application July 17, 1936, Serial No. 91,198
14 Claims. (Cl. 188—91)

7. In a brake, a normally idle fluid-handling pump driven by a member to which a braking action is to be applied, means for bringing said pump into play when a braking action is required, a passage through which said pump forces fluid when operating, and a centrifugally controlled valve for said passage movable toward maximum open position as the speed of said member increases and movable toward closed position as the speed of said member decreases.

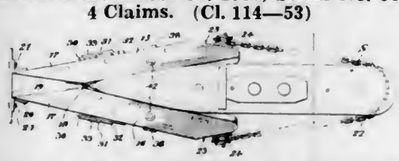


2,084,245
ANTIGLARE ILLUMINATION APPARATUS
Antonio de Aranzadi e Irujo, Pamplona, Spain
Application August 18, 1934, Serial No. 740,520
In Spain August 24, 1933
3 Claims. (Cl. 240—8.2)



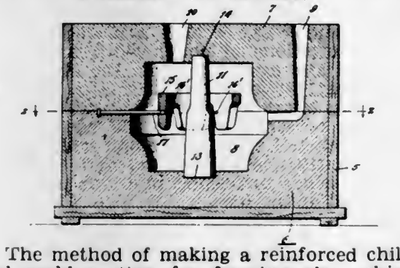
1. An anti-glare projecting lamp, comprising a casing, a parabolic reflector mounted therein, a bulb supported by said reflector, said casing and reflector having nesting forwardly extending flanges, an annular member concentrically mounted in the flange of the reflector, a semicircular disk carried by the lower half of said annular member, reflecting means carried by said disk for projecting light falling thereon upwardly and rearwardly to the upper portion of said parabolic reflector, a visor projecting forwardly from the front of said lamp and extending downwardly to the axis of said parabolic reflector, said annular member being provided with an annular recess, a lens gasket in said recess, a lens positioned against said gasket, and clamping means extending circumferentially about said casing for retaining said lens, annular member and reflector in assembled position.

2,084,246
SHIP RAISING DEVICE
Diamond N. Diamantides, Massillon, Ohio
Application December 30, 1935, Serial No. 56,817
4 Claims. (Cl. 114—53)



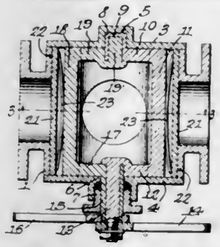
1. A tank of the class described comprising an elongated body, means for attaching the tank to the hull of a submerged ship, said tank having a water entrance port, a spring-pressed hinged door secured to the tank adjacent the top of said port and adapted to be swung upwardly to an open position, a latching bar vertically slidable upon said tank and having a finger adapted to extend in front of the door when in an open position to hold the door in an open position, the lower end of the latching bar extending below the bottom of said tank, whereby said latching bar will be forced upwardly when the tank comes to rest to move said finger vertically out of engagement with said door and allow the spring-pressed door to automatically close, and means for forcing compressed air into the tank for ejecting water therefrom.

2,084,247
METHOD OF MAKING CHILLED METAL MOLD CASTINGS
Charles J. Dockray and Harry J. Dockray, Zanesville, Ohio
Application July 10, 1935, Serial No. 30,709
3 Claims. (Cl. 22—200)



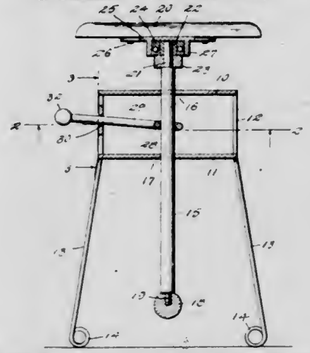
3. The method of making a reinforced chilled metal mold casting for forming glass objects which consists in forming a shaping cavity in molding material, placing a main chill substantially centrally within the shaping cavity, surrounding the upper portion of the glass molding surface of the main chill with an auxiliary chill of appreciably less height than the main chill and having cut-out portions extending entirely therethrough, holding said auxiliary chill in spaced relation to the main chill to provide an unobstructed space between the main chill and auxiliary chill, and pouring metal into the shaping cavity in contact with the walls thereof to fill said space and entirely cover the auxiliary chill and to cause a portion of the metal to enter and completely fill the cut-out portions in said auxiliary chill.

2,084,248
VALVE
Abele Ferrari, Cesare Rafanelli, and Mario Scalione, Healdsburg, Calif.
Application September 11, 1935, Serial No. 40,136
2 Claims. (Cl. 277—59)



1. A valve of the class described including a casing having ports opposed heads, and a cylindrical inner surface, bars mounted to move within a circle in the casing and having wiping contact at its ends with the heads, valve plates carried by and slidable on the respective bars, said plates bearing at their ends against the heads and each having an arcuate outer surface corresponding in curvature with the cylindrical inner surface of the casing, there being a channel in each plate closed at the ends by the heads and between its ends by the bar, means interposed between the bar and plate for maintaining said outer surface of the plate in intimate contact with the inner surface of the casing, and separate means for independently moving the respective plates in the same direction or toward or from each other along the cylindrical inner surface to open or close predetermined ports, either of said plates being movable against the other to shift it or to close the space between the plates.

2,084,249
SWIVEL STOOL
Will Frey, Eunice, La.
Application October 23, 1936, Serial No. 107,289
3 Claims. (Cl. 155—94)



1. A swivel stool comprising vertically spaced horizontal plates, legs connecting the plates and extending below the plates, a post slidably mounted in aligned openings in the plates, a seat mounted on the upper end of the post, a retaining ball on the lower end of the post, a vertically disposed bar connecting the plates and having an opening therein, and an operating lever extending loosely through said opening and terminating in a ring encircling the post and of slightly greater diameter than the post, the weight of the post and seat causing the ring to exert binding action upon the post, vertical movement of the seat and post rocking the lever on the bottom edge of the opening as a fulcrum to permit the ring to release binding action on the post and permit the post and seat to be elevated.

2,084,250
PROCESS FOR THE PRODUCTION OF STARCH
Albrecht Fritze, Arnswalde, Germany
No Drawing. Application January 9, 1935, Serial No. 1,065. In Germany September 7, 1934
4 Claims. (Cl. 127—66)

1. Process of producing starch from potatoes or other like starch-containing raw materials which produce fruit liquors upon comminution in starch manufacture, which comprises the steps of comminuting the raw material to form a pulp containing starch, fiber and fruit liquor, immediately thereafter centrifugally separating the fruit liquor from the pulp to avoid so far as possible any contact of air with the mixture of starch and fruit liquor, diluting and washing

the separated pulp solids to form a starch milk, separating the starch and fiber from the dilute fruit liquor of the starch milk, and purifying the starch to free it from fiber.

2,084,251
FISHING LINE DRIER
Albert S. Haislip, Fredericksburg, Va.
Application September 1, 1936, Serial No. 98,961
6 Claims. (Cl. 242—84.1)



1. An attachment of the class described comprising a substantially U-shaped yoke having on its bight portion a V-shaped adapter extension, a spring double-pronged retention clip connected with said extension, a crank shaft mounted for rotation on the arms of the yoke, and a reel mounted on said crank shaft between said arms.

2,084,252
AUTOMOBILE INDICATOR
Nils C. Hallenberg, Chicago, Ill.
Application December 9, 1936, Serial No. 115,035
1 Claim. (Cl. 40—133)

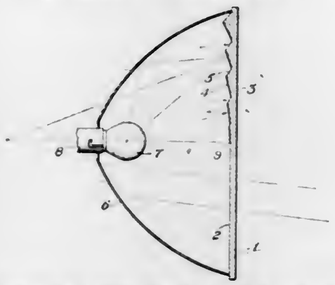


An automobile indicator comprising a plate, said plate being perforated to provide directional signal indicia, edge portions of said plate being formed to provide means for slidably attaching a casing thereto, means whereby said plate is cemented to the inner surface of an automobile window, a casing slidably attached to said plate, and a light source carried by said casing within the same.

2,084,253
PRODUCTION OF SULPHONATES OF TERTIARY ALCOHOLS
Anton Hintermaier, Dusseldorf, Germany, assignor to the firm Henkel & Cie, Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany
No Drawing. Application April 28, 1934, Serial No. 722,966. In Germany August 2, 1933
10 Claims. (Cl. 260—159)

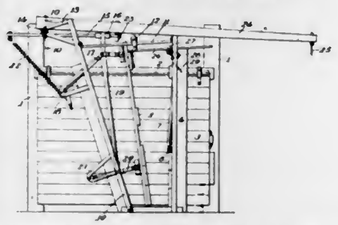
1. The process for the manufacture of high-molecular true sulphonic acid products, which comprises treating with strongly sulphonating and dehydrating agents mixtures of homologous tertiary alcohols, which are produced from glycerides of acids having higher aliphatic radicals, by the action of magnesium halogen alkyls.

2,084,254
LENS FOR HEADLIGHTS
James Thomas Hoal, Corpus Christi, Tex.
Application February 13, 1936, Serial No. 63,795
3 Claims. (Cl. 240—41.4)



1. A headlight lens being equally divided into an upper and lower section, the opposed faces of said lower section being parallel, one face of said upper section extending contiguous with the outer face of said lower section, a plurality of prismatic projections of equal width formed integral with and extending from the inner face of said upper section, said prismatic projections having an upper and lower side, said lower side having a reflecting surface and each reflecting surface being of equal width, and said upper side having a transparent surface and each transparent surface increasing in width towards the upper end of the lens.

2,084,255
SQUEEZE GATE
Carl W. Johnson, Sheridan, Wyo.
Application January 24, 1936, Serial No. 60,681
3 Claims. (Cl. 119—98)



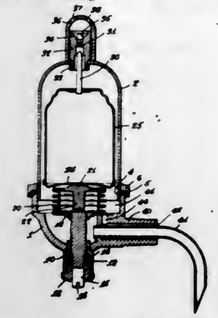
1. A squeeze gate comprising a supporting structure, a fixed wall carried by said supporting structure, a supporting frame carried by said supporting structure, a movable wall arranged between the supporting frame and the fixed wall and adapted to be moved towards and from the latter, toggles pivotally connected to the movable wall and to the supporting frame, a bar journaled to the supporting structure, rods secured to said bar, sleeves slidable on said rods, connecting bars connecting said sleeves to said toggles, and an operating means for effecting oscillation of the bar.

2,084,256
AIR VALVE
Lester Lasher, Salem, Mass.
Application January 10, 1934, Serial No. 706,054
11 Claims. (Cl. 236—63)

1. In a radiator air venting valve, a base, a shell having a vent mounted on said base, dual thermostatic means mounted on the base, one of said means capable of closing said vent instantly,

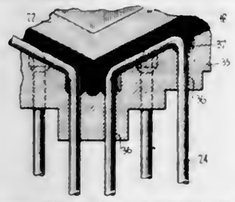
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the other means capable of closing said vent



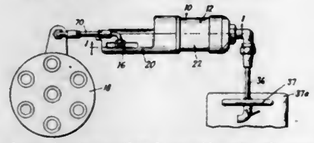
gradually, at least one of said means being a hollow sealed member.

2,084,257
TRACK SHOE AND SHUNTING CIRCUIT
Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 7, 1932, Serial No. 646,104
Renewed November 16, 1936
11 Claims. (Cl. 191—45)



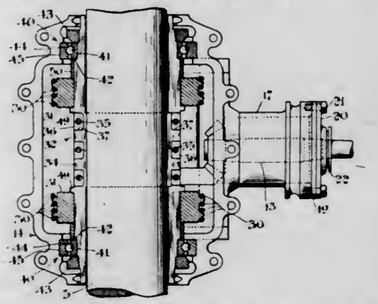
1. A rail engaging shoe comprising a plurality of V-shaped plate members in secured insulated relation, one of said members carrying a plurality of track engaging current conducting elements removably secured therein, and a vertically extending and vertically reciprocable supporting arm the other of said members being pivotally connected to said supporting arm.

2,084,258
METHOD OF CONTROLLING THE IGNITION FOR INTERNAL COMBUSTION ENGINES
Arlington Moore, Louisville, Ky., assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y., a corporation of Delaware
Original application October 23, 1930, Serial No. 490,632. Divided and this application November 29, 1935, Serial No. 52,022
8 Claims. (Cl. 123—117)



1. The hereindescribed method of controlling the ignition for internal combustion engines which consists in advancing the spark at certain stages of engine operation and retarding the spark at other stages by a fluid pressure developed during engine operation and varying with the load and speed, said fluid pressure being made effective to vary the spark in opposite directions as the pressure varies in either direction.

2,084,259
TRANSMISSION ASSEMBLY FOR GENERATOR DRIVES
William A. Pitt, Jr., Montreal, Quebec, Canada, assignor to George F. Sheppard, Westmount, Quebec, Canada
Application March 27, 1936, Serial No. 71,141
1 Claim. (Cl. 105—101)

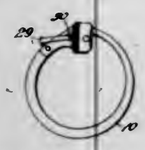


A transmission assembly for driving a generator from one of the truck axles of a railway car comprising a split sleeve having a central portion provided with axially spaced lateral shoulders, securing lugs formed on the complemental central portions of the sleeve sections between said shoulders, one of said sleeve sections being keyed to the axle, securing elements passed through said lugs for clamping the sleeve sections together on the axle at the central portion of said sleeve, said sleeve at its ends being diametrically reduced to provide additional shoulders spaced axially from said first named shoulders, clamping nuts threaded over the ends of said sleeve, anti-friction bearings at each end of said sleeve and having their inner races clamped between said clamping nuts and the said additional sleeve shoulders in the reduced portions of the sleeve, a transmission casing enclosing said sleeve, said bearings having their outer races seated in the end portions of said transmission casing whereby the casing is rotatable relative to the axle and the sleeve, a pair of sprockets fixedly mounted on said sleeve, each sprocket having its inner side abutting against one of said lateral sleeve shoulders at the end of the central portion of the sleeve, annular spacer bands disposed over said sleeve between the outer sides of the sprockets and the said inner races of the bearings, a jack shaft journaled in the lower portion of said transmission casing so as to lie below and parallel with the axle, sprockets fixed to said jack shaft and having chain connection to the sprockets on said sleeve, said transmission casing having a tubular extension extending laterally therefrom in the zone of the sleeve central portion and perpendicular with respect to the sleeve axis, a tail shaft rotatably mounted in said tubular extension of the casing, and the inner end of said tail shaft being geared to said jack shaft in the zone of the central portion of said sleeve between said sprockets.

2,084,260
KEY HOLDER
Rene M. Schupbach, Providence, R. I., assignor to Freeman-Daughaday Company, a corporation of Massachusetts
Application February 26, 1937, Serial No. 127,898
7 Claims. (Cl. 70—459)

1. A key ring or key holder comprising a curved resilient body with its ends spaced, a member hinged to one end of said body and swingable

inwardly of the body to open position and outwardly into engagement with the body to closed position, and an attaching loop carried by said



member at a point spaced from said hinge to be engaged by a suspending chain whereby outward tension on said loop serves to move said member into firmer closed position.

2,084,261

RESINOUS AND WAX-LIKE REACTION PRODUCTS FROM POLYHYDRIC ALCOHOLS AND BORIC ACID COMPOUNDS

Willis A. Boughton, Cambridge, and William R. Mansfield, Boston, Mass., assignors to New England Mica Co., Waltham, Mass., a corporation of Massachusetts

No Drawing. Application September 28, 1934, Serial No. 746,016

2 Claims. (Cl. 260—98)

1. The mono-boric reaction products obtained by reacting mixed polyhydric alcohols with at least one boric acid compound capable of reacting and combining therewith, at temperatures between about 100° C. and about 140° C., said reaction products containing mono-boric compounds and being colloidal and wax-like viscous liquids to waxy plastics.

2,084,262

PRODUCTS BONDED WITH THE RESINOUS REACTION PRODUCTS FROM POLYHYDRIC ALCOHOLS AND BORIC ACID COMPOUNDS

Willis A. Boughton, Cambridge, and William R. Mansfield, Boston, Mass., assignors to New England Mica Co., Waltham, Mass., a corporation of Massachusetts

No Drawing. Original application September 28, 1934, Serial No. 746,016. Divided and this application April 9, 1935, Serial No. 15,422

12 Claims. (Cl. 154—2.6)

1. As an article of manufacture, a pressed, laminated, mica product containing mica flakes permanently bonded together with the colloidal viscous resinous reaction product of at least one polyhydric alcohol and at least one boric acid compound.

2,084,263

PRODUCTS BONDED WITH THE RESINOUS REACTION PRODUCTS FROM POLYHYDRIC ALCOHOLS AND PHOSPHORIC ACID COMPOUND

Willis A. Boughton, Cambridge, and William R. Mansfield, Boston, Mass., assignors to New England Mica Co., Waltham, Mass., a corporation of Massachusetts

No Drawing. Original application September 25, 1934, Serial No. 745,488. Divided and this application April 9, 1935, Serial No. 15,423

17 Claims. (Cl. 154—2.6)

1. A built-up mica product containing mica flakes, said mica flakes bonded in said product with the colloidal viscous resinous reaction product of a polyhydric alcohol and a phosphoric acid compound.

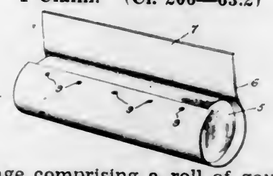
2,084,264

WRAPPED ROLLED SURGICAL DRESSING

Earle E. Dickson, New Brunswick, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey

Application March 13, 1935, Serial No. 10,929

1 Claim. (Cl. 206—63.2)



A package comprising a roll of gauze, a strip of paper of a length exceeding the perimeter of the roll so that its transverse edges are, respectively, in underlapping and overlapping relation when the strip is wound upon the roll, the underlapping portion having spot glued areas in propinquity with its edge so as to be in adherent relation with the overlapping portion substantially only at said edge whereby the overlapping portion may function as a seal breaker without the hazard of tearing or of reducing the area of the wrapper, said strip having a width slightly exceeding that of the roll so as to shroud the edges of the roll, the shrouding provisions cooperating with the overlapping portion to permit repeated use of the wrapper for the life of the roll.

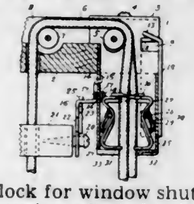
2,084,265

CORD LOCK FOR WINDOW SHADES

Frank Dzierzenga, Brooklyn, N. Y., assignor, by mesne assignments, to Elbert H. Carroll, Worcester, Mass.

Application April 13, 1935, Serial No. 16,145

9 Claims. (Cl. 156—17)



1. In a cord lock for window shutters, the combination of a housing adapted to be supported on a window frame and provided with apertures at its ends for cords, locking members movably supported in said housing at the opposite sides of said cords, the edges of said members being adapted to engage said cords, cam portions on said members extending obliquely of said housing, transverse members in said housing slidably engaging said cam portions, and mutually interlocked lugs on said members, said cam portions in cooperation being adapted to bring said members together against said cords when said members are moved toward one end of said housing by pulling on said cords and pressing said cords against the edge of one of said members.

2,084,266

MUSICAL INSTRUMENT

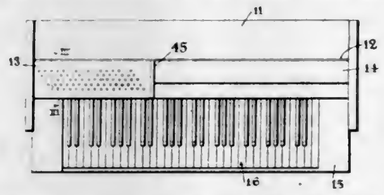
Richard M. George and Louis J. Lalli, Buffalo, N. Y., assignors of one-sixth to Richard Ullman, and one-sixth to Frederick Ullman, Jr., both of Buffalo, N. Y.

Application April 23, 1936, Serial No. 76,000

12 Claims. (Cl. 84—365)

1. In a musical instrument of the reed organ type, a series of chromatically tuned reeds, a

stop associated with each reed, a series of manually operable key members arranged in piano keyboard formation, one of said key members being associated with each stop for selectively rendering said reeds operative, independent manually operable chord-playing buttons arranged in a plurality of rows, each row containing buttons for playing chords of a particular class and the



buttons of each row being arranged in a progressive series of intervals of a perfect fifth and ranging through the twelve key signatures for playing the chords of a particular class in any key selectively, and means associating each chord button with a combination of said stops for rendering a plurality of said reeds operative to produce a chord.

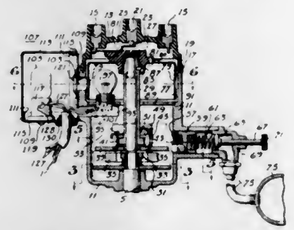
2,084,267

IGNITION SYSTEM

Frederick T. Hicks, Cleveland Heights, Ohio, assignor of one-half to Kenneth M. Waddell, Toledo, Ohio

Application June 4, 1935, Serial No. 24,854

11 Claims. (Cl. 123—148)



2. In combination an internal combustion engine, a light responsive device, a source of energy controlled thereby, means for projecting a beam of light upon said light responsive device, shutter means movable in accordance with the operation of said engine for interrupting said beam of light, and means for focusing said light beam sharply upon said shutter means.

2,084,268

TUBE MAKING AND COPPER COATING PROCESS

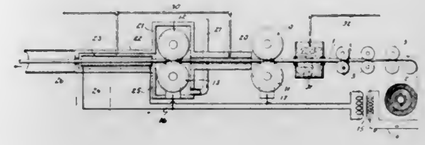
Bert L. Quarnstrom, Detroit, Mich., assignor to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan

Application June 21, 1934, Serial No. 731,724

Renewed August 27, 1936

6 Claims. (Cl. 219—12)

1. The method of affixing a copper coating to a long length of ferrous metal, which comprises passing a length of copper-coated metal lengthwise through electrodes whereby to pass an electrical current through successive sections of the length of metal, heating the metal by electrical resistance to a point somewhat below copper melting temperature and then passing the length of metal through a heating zone for additionally heating the metal to a point above copper melting temperature, whereby the molten copper



alloys with the ferrous metal, and then cooling the metal with the copper coating intact.

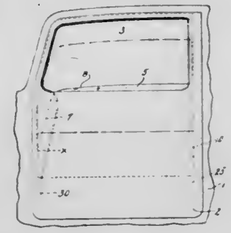
2,084,269

GUIDING AND CUSHIONING MEANS FOR SLIDABLE WINDOW PANES

James S. Reid, Shaker Heights, Ohio, assignor, by mesne assignments, to The Standard Products Company, Cleveland, Ohio, a corporation of Ohio

Application April 20, 1933, Serial No. 667,061

11 Claims. (Cl. 296—44.5)



1. A window runway or channel, comprising a generally channel-shaped member having a base and a pair of window-pane receiving side walls separated therefrom and provided with window-pane engaging cushioning means, and a pair of supplemental side walls for said member associated with the base thereof and provided with longitudinally spaced apertures, said structure side walls being arranged along the inner surfaces of said supplemental side walls, adjacent the apertures thereof, and the window-engaging cushioning means of said member side walls having portions thereof projecting laterally outwardly through the apertures in said supplemental side walls, whereby cushioning effects are provided by said cushioning means along the outer surfaces of said supplemental side walls.

2,084,270

LUBRICATING OIL

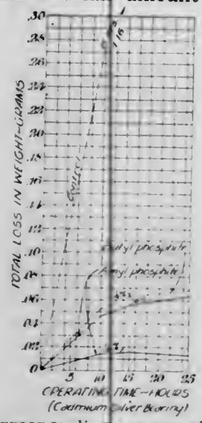
Bernard H. Shoemaker, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application October 24, 1936, Serial No. 107,501

7 Claims. (Cl. 87—9)

1. A corrosion inhibited motor oil comprising a mineral lubricating oil having dissolved therein a small amount of an alkyl phosphite containing 4 to 5 carbon atoms in each alkyl radical said alkyl radicals being directly attached to the oxygens of the phosphite radical, said alkyl phosphite comprising substantially di- and tri-alkyl

phosphites and a small amount but less than



3% of the corresponding mono alkyl phosphite in the phosphite mixture.

2,084,271
GARMENT FORM
Walter W. Simpson, San Antonio, Tex., assignor of one-half to Cecil W. Miller, San Antonio, Tex.
Application May 3, 1935, Serial No. 19,728
2 Claims. (Cl. 223—75)

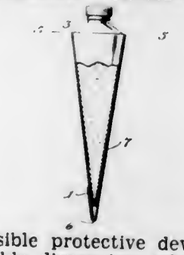


1. In a device for drying and stretching stockings, a frame having front and rear sides to enter stockings and being of spring material to place the stockings under constant tension, and a header of solid material having sockets receiving the said front and rear sides of the frame and being extended lengthwise beyond the front and rear sides of the frame and laterally beyond the frame substantial distances to cause the header to function as a temporary closure extending over the otherwise open end of the stocking to exclude foreign objects from the stocking on the frame, the extension of the header laterally beyond the frame also constituting a spacing means so that when a number of the devices are suspended from the same line side-by-side, the stocking on the frame will be held in spaced relation to adjacent frames and stockings for the circulation of air between the stockings, the said rear side of the frame having the upper terminal portion thereof curved rearward, so as to facilitate the peeling of the stocking from the frame and to present the adjacent terminal portion of the rear side to the header at an acute angle thereto and thus lock the said rear side of the frame in the complemental socket in the header.

2,084,272
PLASTIC COMPOSITION AND ARTICLES AND METHOD OF MAKING THE SAME
Alexander J. Auchterlonie, Grosse Pointe, Mich.
No Drawing. Application August 31, 1936, Serial No. 98,740
20 Claims. (Cl. 92—3)

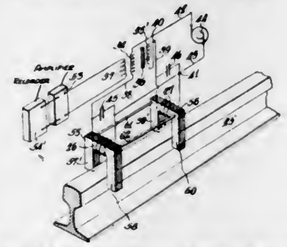
9. The process of forming a highly absorptive vehicle for liquids which comprises treating raw material consisting substantially of the pithy portion of annual plants to remove gummy and ligneous substances without unduly shrinking or injuring the cellular structure thereof, and thereafter forming the highly absorptive vehicle into a sheet without destructive beating to retain the natural absorptive properties of the cells of said material.

2,084,273
PROTECTIVE DEVICE FOR COLLAPSIBLE TUBES
Fred Arnold Beach, Washington, D. C.
Application June 6, 1935, Serial No. 25,256
2 Claims. (Cl. 221—60)



1. A collapsible protective device for enclosing a collapsible dispensing tube, comprising a jacket of semi-rigid material, having an open top through which the end of a collapsible tube is adapted to fit tightly in suspension therefrom, sealed at its lower extremity, and of a size and shape to envelop the collapsible body portion of said tube and provide an insulating air space between the same and the outer protective casing.

2,084,274
ELECTRICAL TESTER
Arthur E. F. Billstein, Altoona, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 29, 1932, Serial No. 595,679
64 Claims. (Cl. 175—183)



36. In an inductive defect detector for metallic objects, a magnet coil in inductive relation to an object to be tested, magnet poles, one on either side of the object and opposite to one another, included in the magnetic circuit of the magnet coil, whereby flux passes transversely to the object so as to set up eddy current in the object, a source of alternating current connected to the magnet coil, a current variation indicator connected to the magnet coil and to the source and responsive to change in the magnet coil current and capacity in the circuit for influencing the character of the current through the current variation indicator.

2,084,275
WELD ROD
Anthony G. de Golyer, New York, N. Y., assignor to Vulcan Alloy Corporation, a corporation of Delaware
No Drawing. Application July 6, 1936, Serial No. 89,243
2 Claims. (Cl. 219—8)

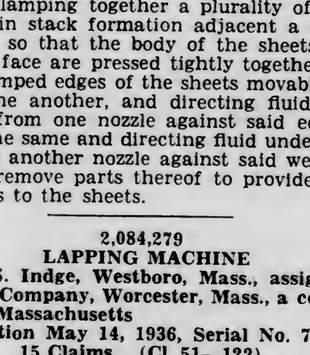
1. A weld rod comprising a metallic composition containing tungsten 3% to 10%, chromium 2% to 5%, carbon, .30% to .90%, manganese .20% to 1.00%, silicon, .20% to 1.00%, and the balance substantially iron.

2,084,276
MANUFACTURE OF CEMENTITIOUS INSULATING COMPOSITIONS FROM VERMICULITE
Paul S. Denning, Joliet, Ill., assignor to F. E. Schundler & Company, Inc., Joliet, Ill., a corporation of Illinois, and to The Illinois Clay Products Company, Joliet, Ill., a corporation of Illinois
No Drawing. Application April 2, 1935, Serial No. 14,276
5 Claims. (Cl. 106—18)

1. The method of making a cementitious insulating material which is characterized by exfoliating granules of vermiculite and then floating the exfoliated granules upon a solution of magnesium sulphate to allow heavy impurities to sink, skimming off the floating vermiculite granules, draining off excess solution from the granules, then adding magnesium oxide and enough additional magnesium sulphate solution to bring the total magnesium sulphate solution including that adhering to said granules to such proportion relative to the magnesium oxide to form magnesium oxysulphate cement, then mixing all the materials together and molding the same.

2,084,277
APPARATUS FOR HEATING HYDROCARBON FLUIDS
Wright W. Gary, Great Neck, N. Y., assignor to Gasoline Products Co., Inc., Newark, N. J., a corporation of Delaware
Application October 26, 1934, Serial No. 750,082
13 Claims. (Cl. 196—118)

1. In an apparatus for heating hydrocarbon fluids, a furnace chamber, means for producing hot products of combustion for said furnace chamber, a plurality of troughs connected to said furnace chamber and adapted to be heated by the hot products of combustion, each of said troughs extending around said furnace chamber and positioned one above the other, separate heat-absorbing tubes disposed in each trough, a body of molten material in each trough of such volume as to cover the heat-absorbing tubes therein and means connected to said tubes for causing a plurality of streams of hydrocarbon



fluid to simultaneously pass through said tubes.

2,084,278
APPARATUS FOR AND METHOD OF DECKLING PAPER
Courtlandt B. Griffin, Longmeadow, Mass., assignor to Carew Manufacturing Company, South Hadley Falls, Mass., a corporation of Massachusetts
Application March 25, 1936, Serial No. 70,832
8 Claims. (Cl. 92—68)

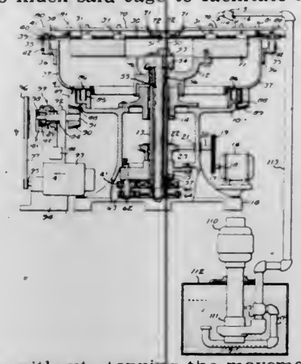
1. The method of deckling the edges of sheets of paper which consists in, moistening the edges of a stack of sheets of paper along one face of the stack, and then directing a stream of fluid under pressure against said edges to remove parts thereof.

6. The method of deckling the edges of normally relatively pliable sheets of paper to simulate hand-made deckle-edge paper which consists in, clamping together a plurality of sheets of paper in stack formation adjacent a face of the stack so that the body of the sheets adjacent said face are pressed tightly together leaving unclamped edges of the sheets movable relative to one another, and directing fluid under pressure from one nozzle against said edges to weaken the same and directing fluid under pressure from another nozzle against said weakened edges to remove parts thereof to provide irregular edges to the sheets.

2,084,279
LAPPING MACHINE
Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application May 14, 1936, Serial No. 79,755
15 Claims. (Cl. 51—122)

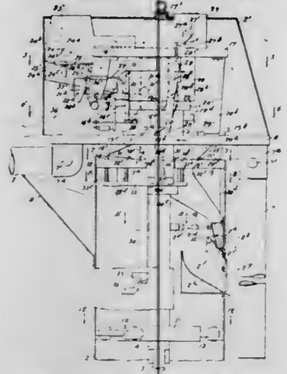
1. A lapping machine comprising a rotatable lapping wheel having a plane operative surface, means to rotate said lapping wheel, a work cage arranged simultaneously to hold a plurality of work pieces in operative relation with said lapping wheel, means to move said cage relative to said wheel during the lapping operation, and

means to index said cage to facilitate loading of



the same without stopping the movement of the cage or the rotation of the lapping wheel.

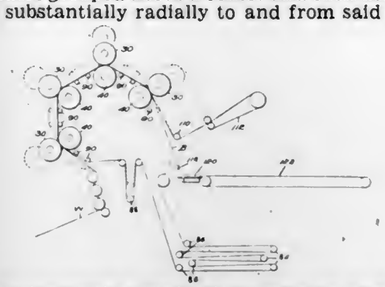
2,084,280
TURNSTILE
Soren Madsen, Bergenfield, N. J., assignor of one-fourth to Joseph F. O'Brien, Englewood, N. J.
Application October 19, 1935, Serial No. 45,735
7 Claims. (Cl. 194—61)



1. A coin-actuated turnstile embodying, in combination, a manually-rotatable turnstile having arms movable through a predetermined arcuate movement to obstruct and free a passageway, a coin-carrying member rotatable with said turnstile, means for engaging and retaining a coin in said member throughout such predetermined arcuate movement, coin feed mechanism having a coin slot communicating with said coin carrying member and provided with a resettable coin-slot closer adapted to feed one coin at a time to said coin-carrying member, locking mechanism for locking the turnstile against rotary movement, means located in the path of the carried coin and operable thereby to release said locking mechanism to enable said predetermined manual movement of a turnstile-arm, and means also actuated by said coin near the end of its arcuate movement for resetting said coin-feeding mechanism.

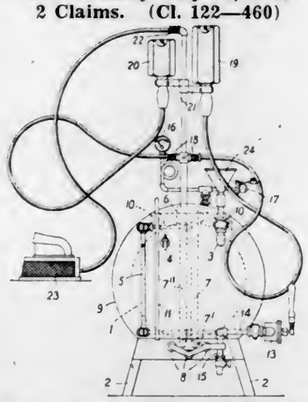
2,084,281
PRINTING PRESS
Charles A. Meisel, Milton, Mass., assignor to Meisel Press Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application August 10, 1935, Serial No. 35,656
19 Claims. (Cl. 101—181)

1. A multi-impression rotary press comprising a substantially single frame, brackets overhung therefrom and carrying a number of printing cylinders grouped about a center and each adjustable substantially radially to and from said cen-



ter, an impression mechanism centrally arranged within the set of printing cylinders, the parts being exposed at the side remote from the frame.

2,084,282
STEAM GENERATOR FOR CLOTH PRESSING AND STEAMING DEVICES
Alexander Hugo Schmidt, Berlin, Germany
Application June 30, 1934, Serial No. 733,188
In Germany July 11, 1933
2 Claims. (Cl. 122—460)

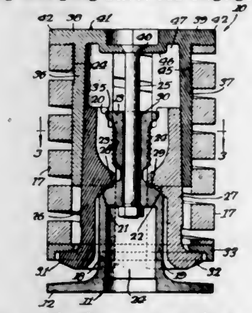


1. A steam generator for cloth pressing and steaming devices, comprising a cylindrical boiler having a shallow steam dome, a heating element arranged under said boiler, a steam superheating pipe arranged between the heating element and the boiler, a pair of pipes carried vertically through the boiler and connected to opposite ends of said superheating pipe, one of said vertical pipes terminating in the steam dome for feeding the steam from the latter to the superheating pipe, the other vertical pipe being carried as a steam supply pipe through the dome to the outside, an insulating jacket surrounding the boiler and steam dome, a feed water heater arranged within the insulating jacket above the boiler, a hand pump for feeding water from said heater into the boiler, a funnel for filling said heater, and valve-controlled communication between said funnel and the boiler for feeding water direct into the latter.

2,084,283
CUSHIONING DEVICE
Donald F. Sproul, Chicago, Ill., assignor to Cardwell-Westinghouse Company, a corporation of Delaware
Application October 24, 1934, Serial No. 749,794
7 Claims. (Cl. 267—9)

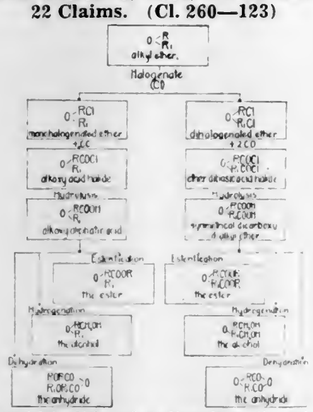
1. In a cushioning device, a friction post comprising a web portion, flanges extending along

the side edges of said web portion, a spring surrounding said post, said flanges having curved outer faces conforming to the inner surface of said spring, said web portion being provided with enlarged portions on opposite sides thereof having wedging faces thereon, friction shoes having recesses extending about said enlarged portions and having wedging surfaces engaging said faces,



flanges on said shoes, a spring seat on said flanges, and friction members between said spring and shoes and frictionally engaging the same, said shoes having semi-circular heads which together form a circular cap engaging the upper end of said spring and a bolt connecting said cap to said post for limiting the separation of the same.

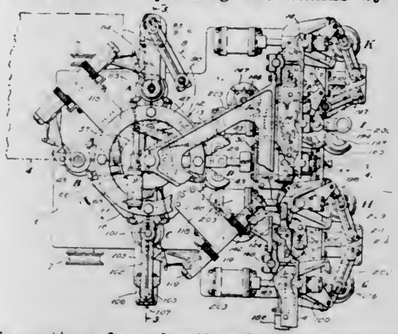
2,084,284
ETHER ACID HALIDES AND PROCESS OF MAKING THEM
Norman D. Scott, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 8, 1933, Serial No. 660,065
22 Claims. (Cl. 260—123)



17. An acid halide of a dicarboxylic ether acid.

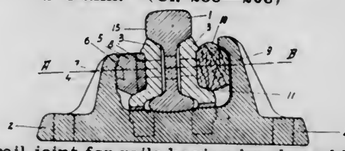
2,084,285
APPARATUS FOR FORMING HOLLOW GLASS ARTICLES
Harold A. Wadman, Bloomfield, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application July 3, 1935, Serial No. 29,668
24 Claims. (Cl. 49—9)

4. Apparatus for forming hollow glass articles, comprising a rotatable blank mold carrier, a plurality of blank molds thereon in neck-down position, means for forming charges of glass supplied to said blank molds into blanks therein, a plurality of stationary blow molds arranged in neck-up positions, means for transferring blanks formed in said blank molds to said blow molds including means for reverting the blanks from neck-down to neck-up positions and also including means for suspending the blanks by their



neck portions for reheating for a predetermined material period of time subsequent to their reversion as aforesaid and prior to the movement of the blanks to the blow mold positions, and means for blowing blanks to final form in said blow molds.

2,084,286
RAIL JOINT
Josef Dobrowolny, Vienna, Austria
Application August 11, 1936, Serial No. 95,398
In Austria July 9, 1935
1 Claim. (Cl. 238—208)

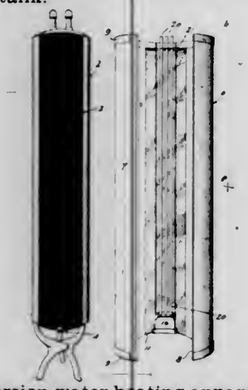


In a rail joint for rails having heads and bases, wherein the meeting ends of the rails are located intermediate two supporting sleepers, splice bars connecting said rail ends and being wedgingly secured between the heads and bases of the joining rails and each extending over both of said sleepers to support the rail ends, a chair mounted on each of said sleepers to receive said rails and splice bars, said chairs having upwardly extending cheeks formed with inwardly extending shoulders, filler elements adjacent each side of the chair positioned between the splice bars and said cheeks and being held against vertical movement by said shoulders, one of said filler elements being bolted to said rails and splice bars and the other of said filler elements comprising cooperating wedge members.

2,084,287
APPARATUS FOR HEATING LIQUIDS WITH FLUID FUEL
William J. Handley, Jackson, Mich., assignor to Handley Brown Heater Company, Jackson, Mich., a corporation of Michigan
Application August 29, 1935, Serial No. 38,443
15 Claims. (Cl. 122—14)

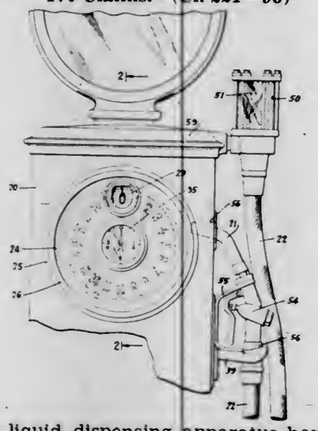
10. A water heating apparatus comprising a container designed to hold a relatively large supply of water, a small consumption burner and a combustion chamber therefor positioned adjacent a wall of the container, one or more conduits forming a continuation of said combustion chamber and extending alongside of but spaced from

the wall of said container whereby the transfer of heat units from the conduit or conduits to the container is indirect, means surrounding said conduit or conduits and provided with a reflector surface for redirecting heat units radiated from said conduit or conduits back against the surface of the tank.



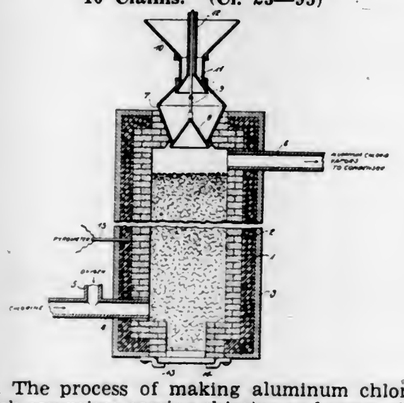
12. Conversion water heating apparatus for domestic storage tanks, comprising insulating means surrounding at least a part of the tank, one or more conduits extending along side of but spaced from an outer wall of said tank, metallic enclosing means surrounding said conduit or conduits and forming an absorption chamber, and fluid fuel combustion means positioned adjacent the bottom of the absorption chamber and so positioned that the products of combustion are conducted upwardly through said conduit or conduits, the transfer of heat units from the conduit or conduits to the tank being indirect.

2,084,288
LIQUID DISPENSING
William H. Lolley, Albany, N. Y., and Harry T. Goss, Rutherford, N. J., assignors to L. N. S. Corporation, New York, N. Y., a corporation of Delaware
Application October 29, 1930, Serial No. 491,907
170 Claims. (Cl. 221—95)



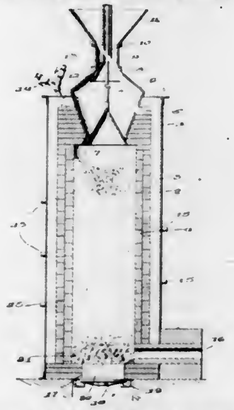
1. In liquid dispensing apparatus having flow establishing means and liquid metering means, in combination, indicating means movable by the liquid metering means from an initial position in proportion to the amount of liquid passed through the metering means, and means to initiate the operation of the liquid flow establishing means dependent upon the return of the indicating means to initial position.

2,084,289
PROCESS OF MAKING ALUMINUM CHLORIDE
Almer McDuffie McAfee and Joseph A. Tryon, Port Arthur, Tex., assignors, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 17, 1926, Serial No. 136,099
Renewed November 9, 1936
10 Claims. (Cl. 23—95)



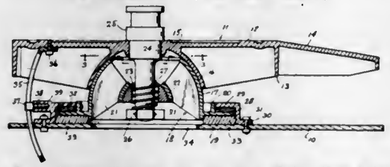
1. The process of making aluminum chloride which comprises passing chlorine and oxygen into and through a pervious charge of alumina and carbon at a temperature sufficient to form vapors of aluminum chloride and condensing the aluminum chloride vapors formed.

2,084,290
PROCESS OF MAKING ALUMINUM CHLORIDE
Almer McDuffie McAfee, Port Arthur, Tex., assignor, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 26, 1927, Serial No. 222,109
Renewed November 9, 1936
16 Claims. (Cl. 23—95)



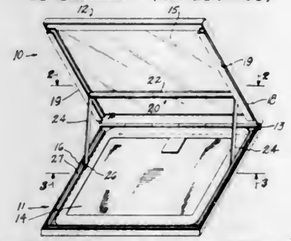
7. The process of making aluminum chloride which comprises passing chlorine and oxygen diluted with air into and through a pervious charge of aluminous material and carbon at a temperature sufficient to form vapors of aluminum chloride and condensing the aluminum chloride vapors formed.

2,084,291
TRAILER HITCH
James M. Ranger, Muskegon, Mich.
Application April 25, 1936, Serial No. 76,453
10 Claims. (Cl. 280—33.1)



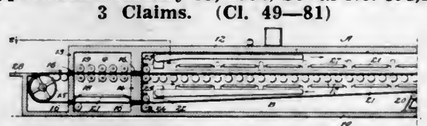
1. A universal type tractor and trailer hitch of the class described comprising a relatively fixed adapter plate for the tractor, a relatively movable adapter plate for the trailer, a centrally disposed perpendicular adjustable spring retained king pin connected to said trailer adapter plate permitting bodily movement of the king pin and trailer adapter plate in unison, and a universal jointing means between said plates and cooperable with said king pin.

2,084,292
COMPACT
Rudolf Steiner, Vienna, Austria
Application January 2, 1937, Serial No. 118,789
13 Claims. (Cl. 132—83)



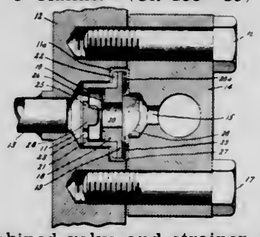
1. A powder box including a plurality of box elements hingedly interconnected for movement toward and away from each other, one of said elements having a mirrored surface, a wiper member for the latter reciprocable across said surface to clean the same, the element having the mirrored surface having channel guide means for slidably receiving the wiper element, and actuator means interconnecting the other element with the wiper member to cause reciprocation of the latter upon relative movement between the elements.

2,084,293
APPARATUS FOR PRODUCING LAMINATE GLASS
William C. Bull, Brooklyn, N. Y.
Application February 19, 1932, Serial No. 594,133
3 Claims. (Cl. 49—81)



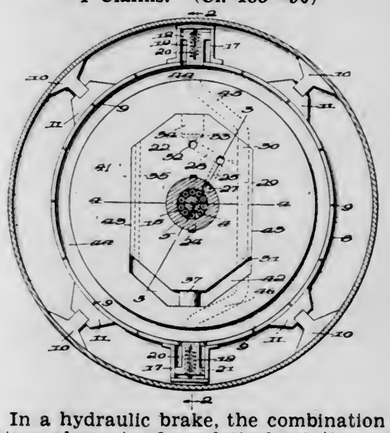
1. Apparatus for the production of a laminate glass product comprising an oven, a perforated belt having a reach thereof extending through the oven and through apertures in oppositely disposed walls thereof, the glass units composed of superimposed sheets of glass with an interposed binder being adapted to be placed on said reach of said belt for travel therewith through the aperture in one of said walls into and through the oven and from the latter through the aperture in the other wall, means for air sealing said aperture, means for heating the oven, and means for maintaining an ambient air pressure within the oven.

2,084,294
CHECK VALVE
Kenneth K. Cooper, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 15, 1934, Serial No. 753,094
5 Claims. (Cl. 183—39)



5. A combined valve and strainer of the cartridge type comprising a valve seat plug having an opening therein and a valve seat adjacent thereto, an annular flange on said valve seat plug, a reticulated strainer extending across said opening and having a flange adjacent said first mentioned flange, a gasket portion made of soft metal bent over said flanges and cooperating therewith to hold said valve seat plug and said strainer together as a unitary structure, said soft metal gasket portion also being positioned to form a gasket, a valve element cooperating with said seat to close said opening, and means including a cup-shaped case extending from said soft metal gasket portion and having an inward projection for retaining said valve element in position adjacent said valve seat.

2,084,295
HYDRAULIC BRAKE
Henry E. Dayvolt, Evansville, Ind., assignor of one-half to Charles F. Lautenslager, Evansville, Ind.
Application July 18, 1934, Serial No. 735,877
4 Claims. (Cl. 188—90)



1. In a hydraulic brake, the combination with a rotary element, of a relatively stationary ele-

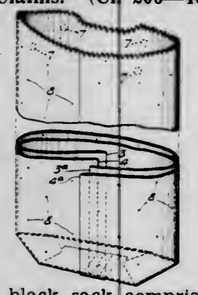
ment surrounded by the rotary element and normally separated therefrom by a space adapted to contain a fluid, a block contained within the relatively stationary element, means carried by the block adapted for normally maintaining the stationary element in a given position in relation to the block and concentric to the rotary element, and means carried by the block adapted to act on the relatively stationary element to shift it in relation to the block into eccentric relation to the rotary element, for braking purposes.

2,084,296

CARBON BLACK SACK

Grant B. Eustis, Englewood, N. J., assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y., a corporation of New Jersey

Application January 20, 1936, Serial No. 59,969
6 Claims. (Cl. 206—46)



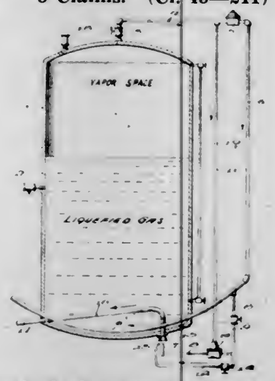
1. A carbon black sack comprising an inner bag composed of a highly porous paper of relatively low strength, and an outer enclosing bag composed of low porosity paper of greater strength having artificial pores therein.

2,084,297

METHOD FOR VAPORIZING LIQUEFIED PETROLEUM GAS

James Woodward Martin, Dallas, Tex., assignor to Lone Star Gas Company, Dallas Tex., a corporation of Texas

Application April 30, 1935, Serial No. 19,114
8 Claims. (Cl. 48—211)



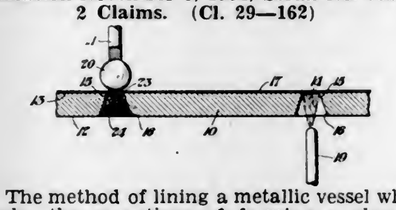
3. A method of converting liquefied petroleum gases into a gas for use as fuel, consisting in maintaining a bulk supply of the liquid in a storage zone, maintaining a vapor space above the level of said liquid, vaporizing a portion of said liquid, constantly burning a predetermined minimum portion of the vapors formed, increasing the portion of the vapors burned as required to maintain a predetermined pressure in said storage zone, controlling the increased flow of vapors above the predetermined minimum required, by the vapor pressure in said zone, and heating said bulk supply by directing the products of said combustion through a passageway submerged in the liquid confined in said storage zone.

2,084,298

METHOD OF LINING METALLIC VESSELS

Stanley M. Secrist, New York, N. Y., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey

Application November 8, 1934, Serial No. 752,156
2 Claims. (Cl. 29—162)



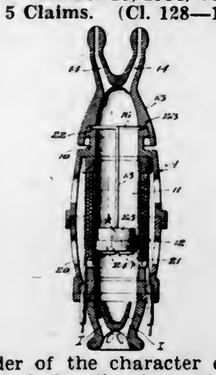
1. The method of lining a metallic vessel which includes the operations of forming a plurality of apertures in said vessel, disposing a relatively thin imperforate sheet against the inner wall of the body of the metallic vessel, said thin imperforate sheet being composed of a metal which is dissimilar to that of said vessel, applying successively and under pressure a heat conductive element to said thin imperforate sheet on its side remote from but in alinement with the plurality of apertures in said vessel, and securing said thin imperforate sheet to the inner wall of the body of the metallic vessel solely by forming weld plugs which are connected to the side walls of the apertures in said vessel and to the adjacent surface of said thin imperforate sheet, the formation of each of said weld plugs being conducted from the outside of said vessel while said heat conductive element is in alinement with the particular aperture in which it is to be formed.

2,084,299

MEDICAMENT HOLDER FOR NASAL INHALERS

Arthur G. Borden, Washington, D. C.

Application December 15, 1934, Serial No. 757,727
5 Claims. (Cl. 128—198)



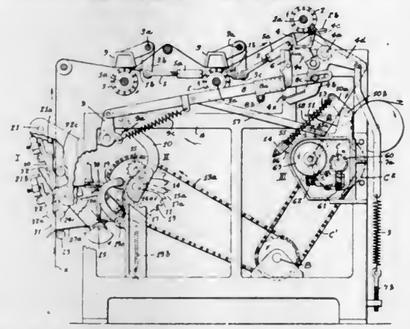
5. A holder of the character described comprising a single length of wire bent to form a stem, a finger grip formation at one end of said stem, and a cage-like formation at the other end of said stem, said cage-like formation being open at its sides for insertion and removal of an article and having end portions for engagement, respectively, with the ends of the article so that when the holder is moved longitudinally in either direction the article is positively moved longitudinally therewith.

2,084,300

AUTOMATIC SHEARING MACHINE

Charles G. Richardson and John W. Hogue, Springfield, Vt., assignors to Parks & Woolson Machine Company, Springfield, Vt., a corporation of Vermont

Application February 9, 1932, Serial No. 591,829
26 Claims. (Cl. 26—17)



26. In a shearing operating control device for a cloth shearing machine, the combination of a detector arranged so that a portion of the cloth above normal thickness will swing the detector, means whereby the shearing of the cloth will be interrupted when the detector so swings, and means whereby, if a second abnormal thickness of the cloth passes, before the complete cycle of the interruption is completed, the cycle of interruption will be prolonged.

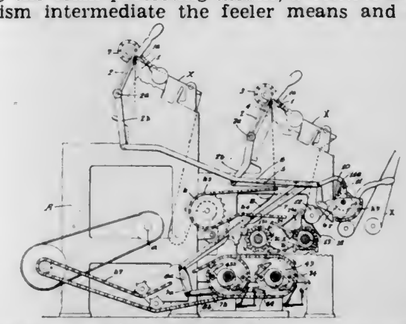
2,084,301

SEAM-PROTECTING ATTACHMENT FOR CLOTH SHEARING MACHINES

Charles G. Richardson and John W. Hogue, Springfield, Vt., assignors to Parks & Woolson Machine Company, Springfield, Vt., a corporation of Vermont

Application February 9, 1932, Serial No. 591,830
18 Claims. (Cl. 26—17)

1. In a cloth shearing machine having plural pairs of separable shearing elements, the combination with seam-protecting means associated with the shearing elements, a seam-actuated feeler device, mechanism energized through the agency of the seam-actuated device for actuating the seam-protecting means, a control mechanism intermediate the feeler means and said



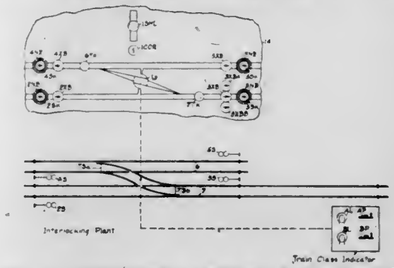
actuating mechanism for the protecting means, said control mechanism operating at a predetermined but variable interval after the seam has passed the feeler to thereby regulate the interval between the passing of the seam by the feeler and the movement of the seam-protecting means.

2,084,302

TRAIN DESCRIBER SYSTEM

Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application October 15, 1936, Serial No. 105,733
9 Claims. (Cl. 246—3)

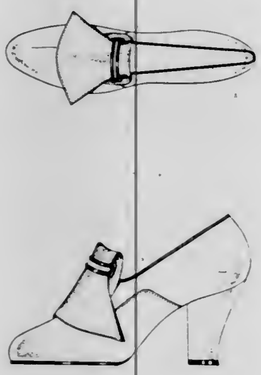


1. In an interlocking system for railroads, a plurality of routes through a track layout, an entrance button for each entrance to said routes, a plurality of exit butttons for the common exit of said routes, means responsive to the joint operation of an entrance button and any one of said common exit buttons for clearing a particular one of said routes, and means responsive to the particular one of said common exit buttons which is operated for indicating the class of train traversing said particular route.

DESIGNS

JUNE 15, 1937

104,912
DESIGN FOR A SHOE
Benjamin Benjamin, Freeport, N. Y.
Application May 5, 1937, Serial No. 69,181
Term of patent 3½ years



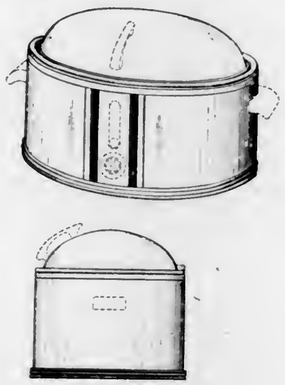
The ornamental design for a shoe substantially as shown.

104,913
DESIGN FOR A JEWELRY DISPLAY BOX OR SIMILAR ARTICLE
Pierre J. Chéron, Stratford, Conn., assignor to Electric City Box Co., Inc., Buffalo, N. Y.
Application April 22, 1937, Serial No. 68,935
Term of patent 7 years



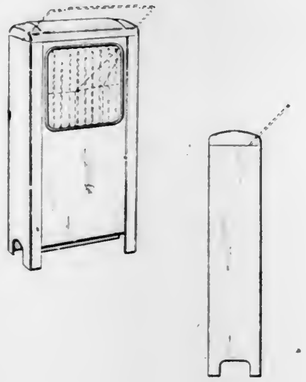
The ornamental design for a jewelry display box or similar article, substantially as shown.

104,914
DESIGN FOR AN ELECTRIC ROASTER
George R. Coss, Toledo, Ohio, assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application March 22, 1937, Serial No. 68,328
Term of patent 7 years



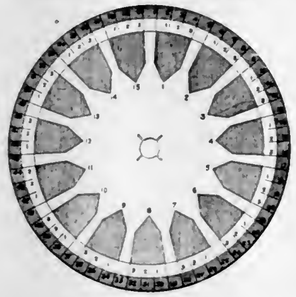
The ornamental design for an electric roaster, substantially as shown.

104,915
DESIGN FOR AN ELECTRIC HEATER
George R. Coss, Toledo, Ohio, assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application March 22, 1937, Serial No. 68,330
Term of patent 7 years



The ornamental design for an electric heater, substantially as shown.

104,916
DESIGN FOR A CLOCK FACE
Lee A. Du Rocher, Norco, La.
Application August 21, 1936, Serial No. 64,514
Term of patent 14 years



The ornamental design for a clock face, as shown.

104,917
DESIGN FOR A SHOE
Jacob Fishman, New York, N. Y.
Application May 4, 1937, Serial No. 69,155
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

104,918
DESIGN FOR A SHOE
Robert E. Frederick, New York, N. Y.
Application May 7, 1937, Serial No. 69,215
Term of patent 3½ years

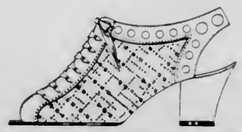




The ornamental design for a shoe substantially as shown.

104,919
DESIGN FOR A SHOE
Robert E. Frederick, New York, N. Y.
Application May 7, 1937, Serial No. 69,216
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

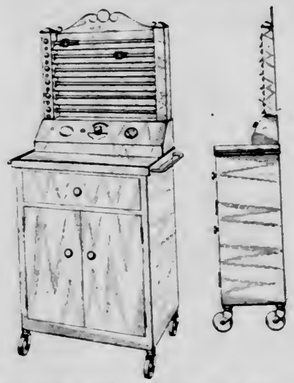
104,920
DESIGN FOR A SLIPPER
Robert E. Frederick, New York, N. Y.
Application May 7, 1937, Serial No. 69,217
Term of patent 3½ years





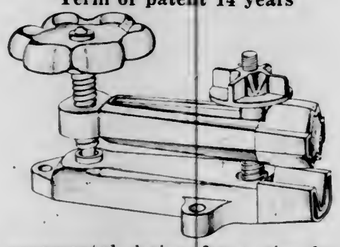
The ornamental design for a slipper substantially as shown.

104,921
DESIGN FOR A HAIR WAVING APPARATUS
Ernest Frederics, Bronxville, N. Y.
Application November 6, 1936, Serial No. 65,720
Term of patent 14 years



The ornamental design for a hair waving apparatus as shown.

104,922
DESIGN FOR A VISE FOR PISTON PINS OR THE LIKE
Rainsford French, Washington, D. C.
Application April 10, 1937, Serial No. 68,674
Term of patent 14 years



The ornamental design for a vise for piston pins or the like, substantially as shown.

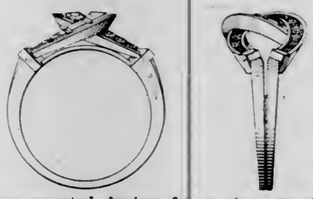
104,923
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
John F. Gaul, Jr., Clifton, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Application December 10, 1936, Serial No. 66,418
Term of patent 14 years



The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

104,924
DESIGN FOR A RING
Oscar Heyman, New York, N. Y., assignor to Oscar Heyman and Brothers, Inc., a corporation of New York
Application May 6, 1937, Serial No. 69,191
Term of patent 14 years





The ornamental design for a ring, as shown.

104,925
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application April 2, 1937, Serial No. 68,526
Term of patent 3½ years





The ornamental design for a brooch pin or similar article, substantially as shown.

104,926
DESIGN FOR A JEWELRY SETTING OR SIMILAR ARTICLE
Henry R. Kiepe, Newark, N. J., assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
Application May 5, 1937, Serial No. 69,175
Term of patent 14 years



The ornamental design for a jewelry setting or similar article, as shown.

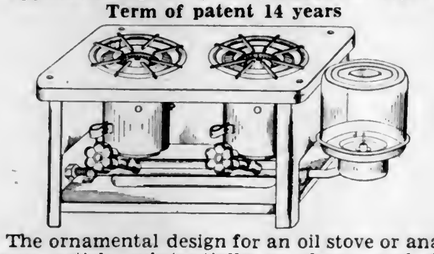
104,927
DESIGN FOR A WATCHCASE
Herbert I. Kolberg, Mount Vernon, N. Y., assignor to Pioneer Watch Case Company, New York, N. Y., a corporation of New York
Application March 5, 1937, Serial No. 68,024
Term of patent 3½ years





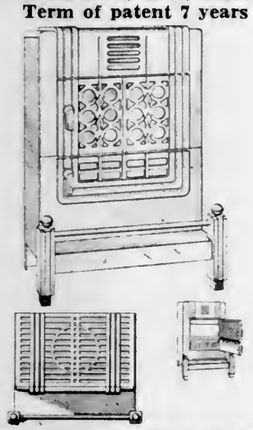
The ornamental design for a watchcase, as shown.

104,928
DESIGN FOR AN OIL STOVE OR ANALOGOUS ARTICLE
Eugene A. Lindemann, Milwaukee, Wis., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 20, 1937, Serial No. 68,880
Term of patent 14 years



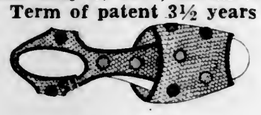
The ornamental design for an oil stove or analogous article substantially as shown and described.

104,929
DESIGN FOR A HEATER
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 29, 1936, Serial No. 65,557
Term of patent 7 years



The ornamental design for a heater, as shown and described.

104,930
DESIGN FOR A SHOE
Aubrey J. Pettus, Forest Hills, N. Y.
Application May 6, 1937, Serial No. 69,197
Term of patent 3½ years





The ornamental design for a shoe substantially as shown and described.

104,931
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application May 6, 1937, Serial No. 69,195
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

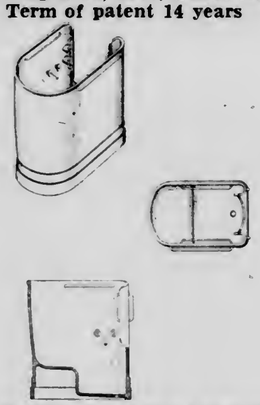
104,932
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application May 6, 1937, Serial No. 69,196
Term of patent 3½ years





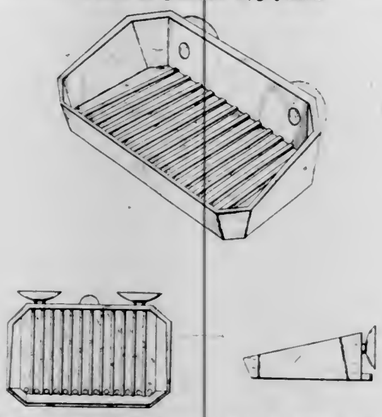
The ornamental design for a shoe substantially as shown.

104,933
DESIGN FOR A SAFETY BATHTUB
Louis K. Vaughan, Woodland, Calif.
Application April 24, 1937, Serial No. 68,962
Term of patent 14 years



The ornamental design for a safety bathtub, as shown.

104,934
DESIGN FOR A SOAP DISH
Milo Whited, Centralia, Wash.
Application April 16, 1937, Serial No. 68,818
Term of patent 3½ years



The ornamental design for a soap dish, as shown.

104,935
DESIGN FOR AN EMBLEM
Mark Louis Briggs, Battle Creek, Mich.
Application September 14, 1936, Serial No. 64,852
Term of patent 14 years



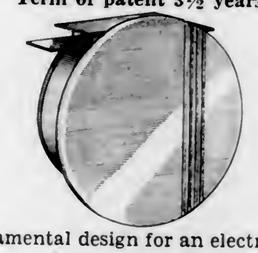
The ornamental design for an emblem substantially as shown

104,936
DESIGN FOR A SHOE
Salvatore Cangemi, New York, N. Y.
Application April 21, 1937, Serial No. 68,904
Term of patent 3½ years



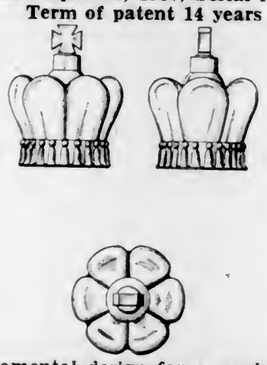
The ornamental design for a shoe as shown.

104,937
DESIGN FOR AN ELECTRIC CHIME
Evan G. Evans, Cincinnati, Ohio, assignor to Nutone Chimes, Inc., New York, N. Y., a corporation of New York
Application April 17, 1937, Serial No. 68,846
Term of patent 3½ years



The ornamental design for an electric chime as shown.

104,938
DESIGN FOR A COMBINED BOTTLE AND STOPPER
Paul H. Ganz, New York, N. Y., assignor to Prince Matchabelli Perfumery, Inc., New York, N. Y., a corporation of New York
Application April 27, 1937, Serial No. 69,000
Term of patent 14 years



The ornamental design for a combined bottle and stopper as shown and described.

104,939
DESIGN FOR A CONTAINER FOR MECHANICAL PENCIL FILLERS
Paul S. Hauton, Atlanta, Ga.
Application April 26, 1937, Serial No. 68,975
Term of patent 14 years



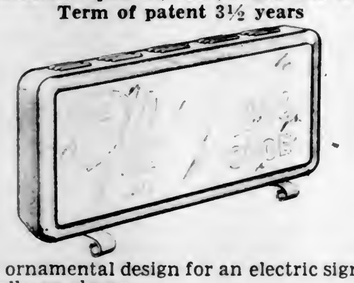
The ornamental design for a container for mechanical pencil fillers as shown.

104,940
DESIGN FOR AN AIR CIRCULATOR
Herman C. Hueglin, Chicago, Ill., assignor to Airmaster Corporation, Chicago, Ill., a corporation of Illinois
Application April 5, 1937, Serial No. 68,562
Term of patent 7 years



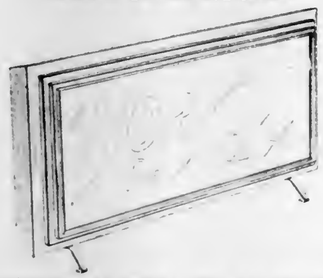
The ornamental design for an air circulator as shown.

104,941
DESIGN FOR AN ELECTRIC SIGN
Clarence E. Karst, Cincinnati, Ohio, assignor to The Brunhoff Manufacturing Co., Cincinnati, Ohio, a corporation of Ohio
Application April 19, 1937, Serial No. 68,859
Term of patent 3½ years



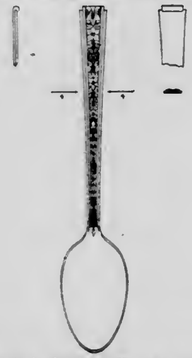
The ornamental design for an electric sign, substantially as shown.

104,942
DESIGN FOR AN ELECTRIC SIGN
Clarence E. Karst, Cincinnati, Ohio, assignor to The Brunhoff Manufacturing Co., Cincinnati, Ohio, a corporation of Ohio
Application April 19, 1937, Serial No. 68,860
Term of patent 3½ years



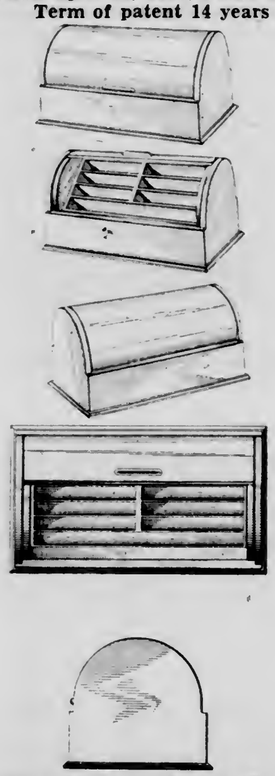
The ornamental design for an electric sign substantially as shown.

104,943
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Frederick W. Koonz, Bernardston, Mass., assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts
Application February 27, 1937, Serial No. 67,898
Term of patent 14 years



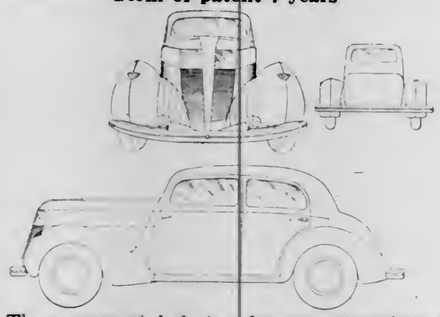
The ornamental design for a spoon or similar article, substantially as shown and described.

104,944
DESIGN FOR A ROLL-TOP PLAYING CARD BOX
Harvey Lathrop, Forest Hills, N. Y.
Application April 24, 1937, Serial No. 68,965
Term of patent 14 years



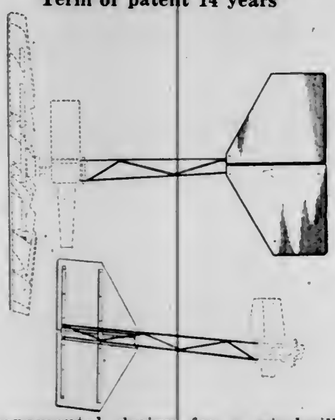
The ornamental design for a roll-top playing card box, substantially as shown and described.

104,945
DESIGN FOR AN AUTOMOBILE
Raymond G. F. Loewy, New York, N. Y.
Application January 18, 1937, Serial No. 67,111
Term of patent 7 years



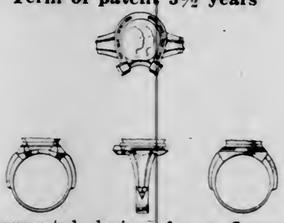
The ornamental design for an automobile as shown and described.

104,946
DESIGN FOR A WINDMILL
Kenneth R. Lung, Kendallville, Ind., assignor to Flint & Walling Manufacturing Company, Kendallville, Ind., a corporation of Indiana
Application January 25, 1937, Serial No. 67,277
Term of patent 14 years



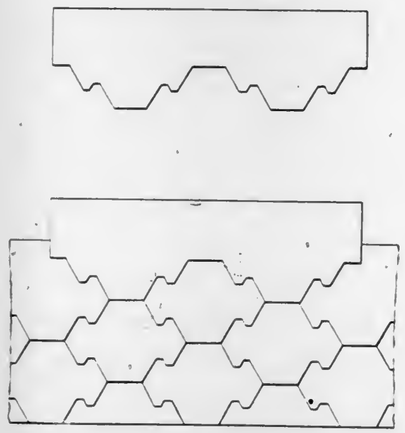
The ornamental design for a windmill substantially as shown and described.

104,947
DESIGN FOR A FINGER RING
Otto H. Mengel, Newark, N. J., assignor to Acme Ring Co., Newark, N. J., a corporation of New Jersey
Application April 12, 1937, Serial No. 68,680
Term of patent 3½ years



The ornamental design for a finger ring as shown.

104,948
DESIGN FOR ROOFING
Alfred O. Mickelson, Chicago, Ill.
Application May 7, 1937, Serial No. 69,218
Term of patent 14 years



The ornamental design for roofing, substantially as shown and described.

104,949
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Louis Rother, Ridgefield Park, N. J., assignor to Yale Fabrics Corp., New York, N. Y.
Application May 22, 1937, Serial No. 69,492
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown.

104,950
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Joseph C. Sibal, Glendale, Long Island, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application May 22, 1937, Serial No. 69,493
Term of patent 3½ years



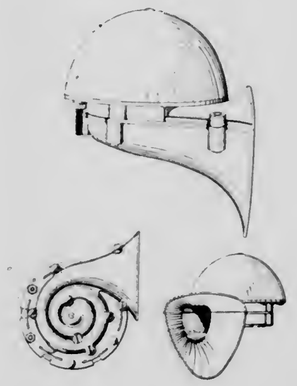
The ornamental design for a textile fabric or similar article as shown and described.

104,951
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Joseph C. Sibal, Glendale, Long Island, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application May 22, 1937, Serial No. 69,494
Term of patent 3½ years



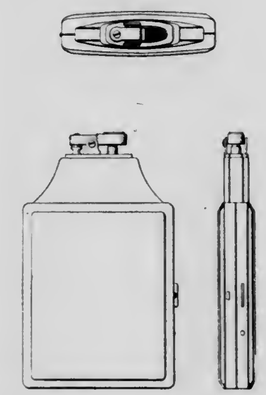
The ornamental design for a textile fabric or similar article as shown and described.

104,952
DESIGN FOR A SOUNDING SIGNAL
Joe White, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 19, 1937, Serial No. 67,751
Term of patent 14 years



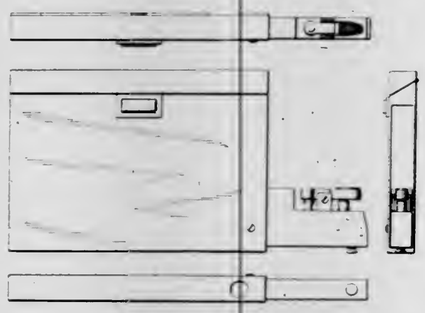
The ornamental design for a sounding signal substantially as shown and described.

104,953
DESIGN FOR A COMBINED PYROPHORIC LIGHTER AND CIGARETTE CONTAINER
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey
Application February 1, 1937, Serial No. 67,376.
Term of patent 7 years



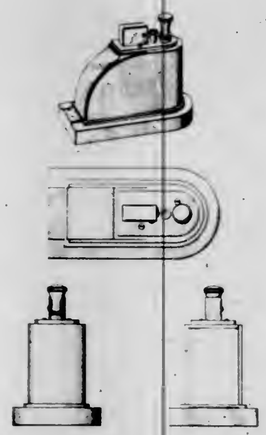
The ornamental design for a combined pyrophoric lighter and cigarette container substantially as shown.

104,954
DESIGN FOR A COMBINED PYROPHORIC LIGHTER AND CIGARETTE CONTAINER
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey
Application February 1, 1937, Serial No. 67,378
Term of patent 7 years



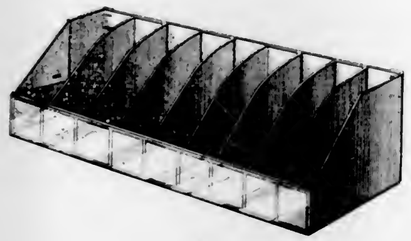
The ornamental design for a combined pyrophoric lighter and cigarette container substantially as shown.

104,955
DESIGN FOR A PYROPHORIC LIGHTER
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey
Application February 9, 1937, Serial No. 67,533
Term of patent 7 years



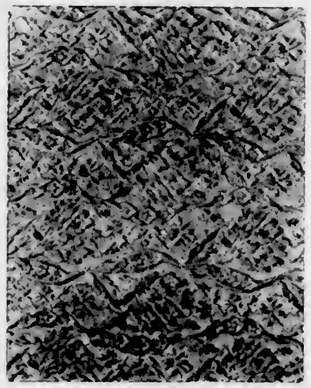
The ornamental design for a pyrophoric lighter substantially as shown.

104,956
DESIGN FOR A DISPLAY RACK
Kenneth E. Baker, Fremont, Mich., assignor to Gerber Products Company, Fremont, Mich.
Application October 19, 1936, Serial No. 65,372
Term of patent 14 years



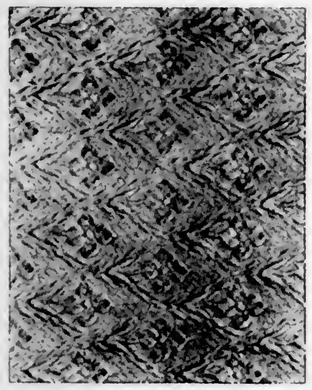
The ornamental design for a display rack, as shown.

104,957
DESIGN FOR A TEXTILE FABRIC
Jonathan W. B. Brooks, Philadelphia, Pa.
Application May 21, 1937, Serial No. 69,457
Term of patent 3½ years



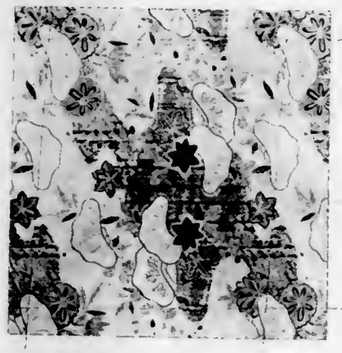
The ornamental design for a textile fabric, substantially as shown.

104,958
DESIGN FOR A TEXTILE FABRIC
Jonathan W. B. Brooks, Philadelphia, Pa.
Application May 21, 1937, Serial No. 69,458
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

134,959
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marcel Christen, New York, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application May 22, 1937, Serial No. 69,496
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

104,960
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marcel Christen, New York, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application May 22, 1937, Serial No. 69,497
Term of patent 3½ years



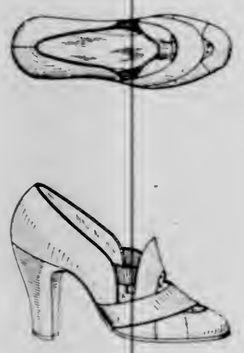
The ornamental design for a textile fabric or similar article, as shown and described.

104,961
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marcel Christen, New York, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application May 22, 1937, Serial No. 69,498
Term of patent 3½ years



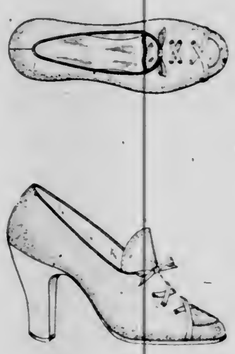
The ornamental design for a textile fabric or similar article, as shown and described.

104,962
DESIGN FOR A SHOE
John J. Doucette, St. Louis, Mo., assignor to The Pedigo Company, St. Louis, Mo., a corporation of Missouri
Application May 17, 1937, Serial No. 69,379
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

104,963
DESIGN FOR A SHOE
John J. Doucette, St. Louis, Mo., assignor to The Pedigo Company, St. Louis, Mo., a corporation of Missouri
Application May 17, 1937, Serial No. 69,380
Term of patent 3½ years



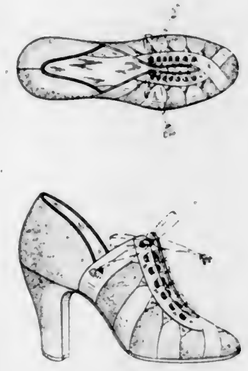
The ornamental design for a shoe, substantially as shown.

104,964
DESIGN FOR A SHOE
John J. Doucette, St. Louis, Mo., assignor to The Pedigo Company, St. Louis, Mo., a corporation of Missouri
Application May 17, 1937, Serial No. 69,381
Term of patent 3½ years



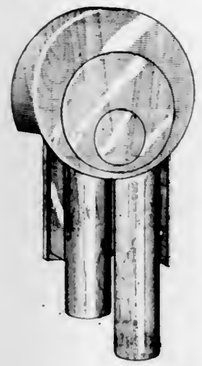
The ornamental design for a shoe, substantially as shown.

104,965
DESIGN FOR A SHOE
John J. Doucette, St. Louis, Mo., assignor to The Pedigo Company, St. Louis, Mo., a corporation of Missouri
Application May 17, 1937, Serial No. 69,382
Term of patent 3½ years



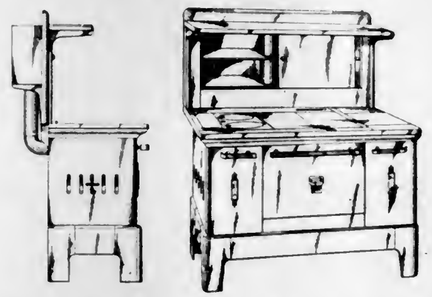
The ornamental design for a shoe, substantially as shown.

104,966
DESIGN FOR AN ELECTRIC CHIME
Evan G. Evans, Cincinnati, Ohio, assignor to Nutone Chimes, Inc., New York, N. Y., a corporation of New York
Application April 20, 1937, Serial No. 68,893
Term of patent 3½ years



The ornamental design for an electric chime as shown.

104,967
DESIGN FOR A STOVE
Christopher L. Hardwick, Cleveland, Tenn.
Application May 1, 1937, Serial No. 69,120
Term of patent 3½ years



The ornamental design for a stove, as shown and described.

104,968
DESIGN FOR AN AUTOMOBILE ROOF AERIAL
Roman Kopanski, Cleveland, Ohio, assignor to The Ward Products Corporation, Cleveland, Ohio, a corporation of Ohio
Application February 19, 1937, Serial No. 67,752
Term of patent 7 years



The ornamental design for an automobile roof aerial, as shown.

104,969
DESIGN FOR A SHOE
Thomas E. Labrum, New York, N. Y.
Application May 13, 1937, Serial No. 69,333
Term of patent 3½ years



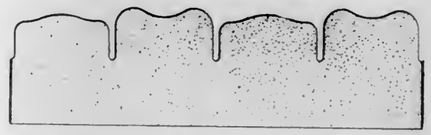
The ornamental design for a shoe substantially as shown.

104,970
DESIGN FOR A DRESS
Albert E. Levy, New York, N. Y.
Application April 21, 1937, Serial No. 68,905
Term of patent 3½ years



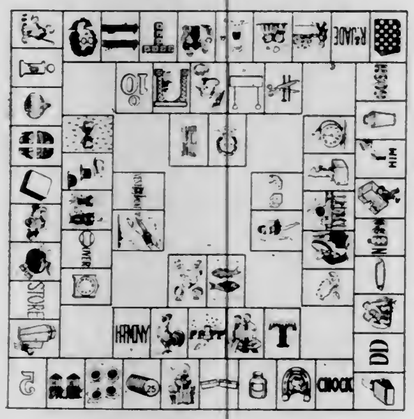
The ornamental design for a dress substantially as shown and described.

104,971
DESIGN FOR A STRIP SHINGLE
John Logan, Jr., Chicago, Ill., assignor to The Logan-Long Company, Chicago, Ill., a corporation of Ohio
Application March 13, 1937, Serial No. 68,153
Term of patent 14 years



The ornamental design for a strip shingle substantially as shown.

104,972
DESIGN FOR A GAME BOARD OR SIMILAR ARTICLE
Isidor S. Rosen, Brooklyn, N. Y.
Application May 1, 1937, Serial No. 69,112
Term of patent 3½ years



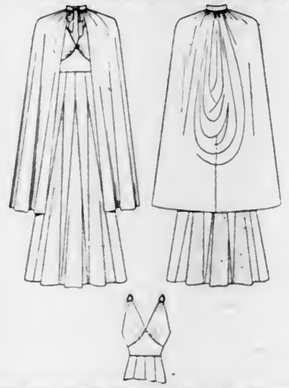
The ornamental design for a game board or similar article, substantially as shown and described.

104,973
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Joseph C. Sibal, Glendale, Long Island, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application May 22, 1937, Serial No. 69,495
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

104,974
DESIGN FOR A DRESS ENSEMBLE
Edward N. Tunick, New York, N. Y.
Application April 5, 1937, Serial No. 68,555
Term of patent 3½ years



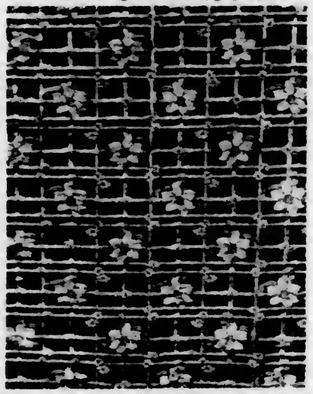
The ornamental design for a dress ensemble, substantially as shown, and described.

104,975
DESIGN FOR A BOOTEE
Abraham Turiansky, New York, N. Y.
Application May 13, 1937, Serial No. 69,334
Term of patent 3½ years



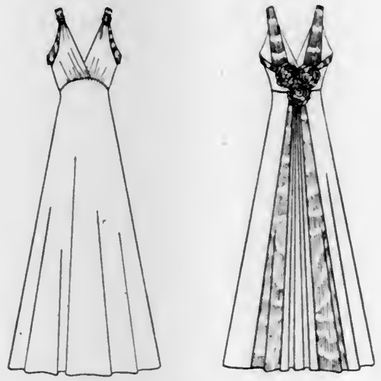
The ornamental design for a bootee substantially as shown.

104,976
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application May 24, 1937, Serial No. 69,509
Term of patent 3½ years



The ornamental design for a textile fabric as shown.

104,977
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application May 15, 1937, Serial No. 69,364
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

104,978
DESIGN FOR A DRESS
Rose La Giusa, New York, N. Y.
Application May 13, 1937, Serial No. 69,330
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

104,979
DESIGN FOR A COAT
Salvatore Lo Prete and Vincenzs Lo Prete, New York, N. Y.
Application May 11, 1937, Serial No. 69,296
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

104,980
DESIGN FOR A SUIT
Salvatore Lo Prete and Vincenzs Lo Prete, New York, N. Y.
Application May 11, 1937, Serial No. 69,297
Term of patent 3½ years



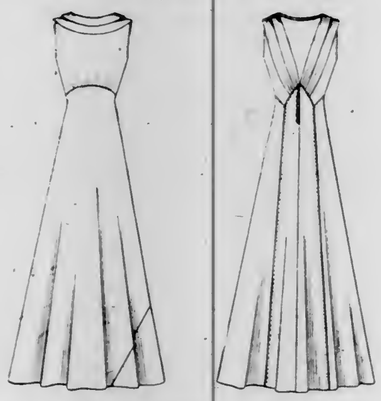
The ornamental design for a suit, substantially as shown.

104,981
DESIGN FOR A TERRARIUM OR THE LIKE
Fred Munz, Jamaica, N. Y.
Application April 19, 1937, Serial No. 68,876
Term of patent 14 years



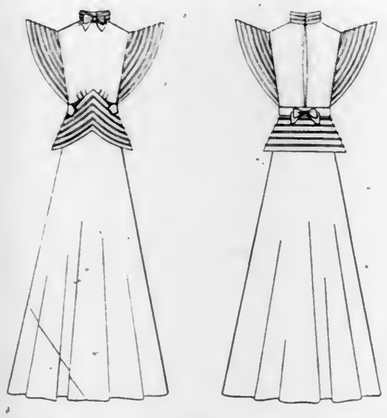
The ornamental design for a terrarium or the like as shown and described.

104,982
DESIGN FOR A DRESS
Carl Schulman, New York, N. Y.
Application May 14, 1937, Serial No. 69,355
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

104,983
DESIGN FOR A DRESS
Carl Schulman, New York, N. Y.
Application May 15, 1937, Serial No. 69,367
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

104,984
DESIGN FOR A LADY'S COAT
Louis A. Siegel, Mount Vernon, N. Y.
Application October 27, 1936, Serial No. 65,529
Term of patent 3½ years

The ornamental design for a lady's coat substantially as shown and described.

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June 22, 1937

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T. M. Renewals	53		
Labels	116—No.	49,436 to No.	49,551, inclusive.
Prints	57—No.	16,229 to No.	16,285, inclusive.
Reissues	11—No.	20,415 to No.	20,425, inclusive.
Plant Patents	1—No.	252	
Patents	678—No.	2,084,303 to No.	2,084,980, inclusive.
Designs	95—No.	104,985 to No.	105,079, inclusive.
Total	1,255		

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., June 7, 1937.*

Kool Products Corporation, its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Alfred Kohlberg, Inc., 1 West 37th Street, New York, N. Y., to effect the cancellation of trade-mark registration of Kool Products Corporation, 133 Fifth Street, Miami Beach, Fla., No. 315,911, dated August 14, 1934, and the notice of such proceeding sent by registered mail to the said Kool Products Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Kool Products Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Briefs in Appealed Cases

All briefs filed in this Office should have conspicuously printed thereon a statement designating the particular tribunal of the Patent Office to which the brief is addressed.

Adjudicated Patents

(C. C. A. N. Y.) Wells and Hunter patent, No. 1,363,200, for automatic feed and delivery for platen-presses, claims 11, 12, 18, 19, 24, 27, and 40 *Held* not infringed. *Brandtjen & Kluge* v. *Joseph Freeman, Inc.*, 89 F.(2d) 25.

(C. C. A. Or.) Antonsen patent, No. 1,731,967, for paper-excelsior machine, claims 1, 2 and 7 *Held* not infringed. *Antonsen* v. *Hedrick*, 89 F.(2d) 149.

(C. C. A. Conn.) Balfe patent, No. 1,776,140, for gasket, claims 1 and 6 *Held* invalid. *Detroit Gasket & Manufacturing Co.* v. *Fitzgerald Mfg. Co.*, 89 F.(2d) 178.

(C. C. A. Ohio.) Kinney patent, No. 1,790,925, for wood-heel-grooving machine, claims 9 to 14 *Held* invalid. *Vulcan Corporation* v. *Slipper City Wood Heel Co.*, 89 F.(2d) 109.

(C. C. A. Conn.) Balfe patent, No. 1,927,450, for gasket, claims 1 and 3 *Held* invalid. *Detroit Gasket & Manufacturing Co.* v. *Fitzgerald Mfg. Co.*, 89 F.(2d) 178.

(C. C. A. Conn.) Balfe patent, No. 1,927,791, for method of perforating sheet metal, claim 4 *Held* invalid. *Id.*

(C. C. A. Conn.) Stolzenberg patent, No. 1,989,535, for pile fabric, claims 1 and 2 *Held* invalid. *Sidney Blumenthal & Co.* v. *Rossie Velvet Co.*, 89 F.(2d) 29.

Disclaimers

1,680,047.—*John Y. Huber, Jr.*, Ardmore, Pa. STABILIZATION OF OILS, FATS, AND WAXES. Patent dated August 7, 1928. Disclaimer filed May 27, 1937, by the patentee.

Hereby enters this disclaimer to all of the claims, namely, 1, 2, and 3 of said Letters Patent.

1,960,881.—*Herbert E. Sunbury*, Wyncote, Pa. LINING PLUGGING MACHINE. Patent dated May 29, 1934. Disclaimer filed June 1, 1937, by the assignee, *Allbestos Corporation.*

Hereby disclaims the following claims of said patent, 5, 6, 7, 8, 15, 16, 38, and 39.

2,000,920.—*William J. Campbell*, Indianapolis, Ind. SMOKING STAND. Patent dated May 14, 1935. Disclaimer filed May 28, 1937, by the assignee, *Climax Machinery Company.*

Hereby enters this disclaimer to claims 10 and 11 of said patent.

2,041,964.—*George Sandalls, Jr.*, North Tarrytown, N. Y. TELEPHONE SYSTEM. Patent dated May 26, 1936. Disclaimer filed May 29, 1937, by the assignee, *American Telephone and Telegraph Company.*

Hereby enters this disclaimer to claims 3 and 11 of the above numbered patent.

Condition of Applications Under Examination at Close of Business June 5, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 38,821; Trade-Mark Division, 1,785. Oldest new case, Dec. 18, 1936; oldest amended, Dec. 22, 1936.)
(The dates given are 1937 except where † indicates 1936)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Feb. 9	Mar. 10	526
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Feb. 3	Feb. 1	752
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Mar. 22	Mar. 19	429
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Mar. 6	Mar. 5	518
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Mar. 11	Mar. 17	565
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Feb. 10	Feb. 13	748
5725	7. JARBOE, C. G., Optics; Photography	Mar. 5	Mar. 5	889
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Mar. 8	Mar. 8	647
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 1	Mar. 8	487
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Mar. 1	Mar. 22	420
6067B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 9	Mar. 8	466
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	Feb. 12	Feb. 9	773
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 27	Feb. 27	493
5097	14. SMITH, O. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Mar. 10	Mar. 8	601
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 1	Mar. 1	959
5612	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 23	Feb. 23	718
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 12	Mar. 13	489
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 1	Feb. 5	478
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 16	Feb. 8	790
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 26	Mar. 2	476
7733	21. THOMPSON, T. J., Textiles: Cloth Finishing	Mar. 5	Mar. 10	598
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Mar. 13	Mar. 15	539
7624	23. BUTTNER, W. J. (Act.), Registers (part)	Feb. 15	†Dec. 22	208
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters, Sewing Machines	Mar. 15	Mar. 16	581
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 11	Mar. 9	481
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Mar. 10	Mar. 11	403
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Feb. 1	Feb. 1	712
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Mar. 16	Mar. 25	322
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Mar. 17	Mar. 20	464
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Feb. 1	Feb. 4	858
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Mar. 13	Mar. 15	478
4086	32. LESH, KARL (Act.), Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Mar. 8	Mar. 5	506
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Mar. 19	Mar. 20	648
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Mar. 17	Mar. 24	284
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Mar. 6	Feb. 15	630
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Mar. 6	Mar. 6	322
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Jan. 27	Jan. 6	807
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Mar. 2	Mar. 5	575
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	Mar. 13	Mar. 8	462
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 6	Feb. 6	1,319
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	Feb. 15	Feb. 13	353
5882	42. CUTTING, H. O., Electric Signaling	Mar. 8	Feb. 20	538
4386B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Mar. 5	Mar. 5	558
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Feb. 15	Feb. 15	669
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Feb. 5	Feb. 3	724
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Mar. 13	Mar. 16	423
6082	47. BARKER, H., Clutches; Brakes	Mar. 17	Mar. 22	508
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Mar. 6	Mar. 6	489
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 11	Mar. 3	548
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Mar. 9	Mar. 9	642
5628	51. BACKUS, C. D., Radiant Energy	Mar. 4	Mar. 4	787
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Mar. 8	Mar. 8	636
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Feb. 8	Feb. 4	918
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Apr. 23	Mar. 29	357
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Dec. 18	Jan. 22	917
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making	Feb. 9	Feb. 11	812
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	†Dec. 23	†Dec. 30	673
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 16	Mar. 13	349
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Mar. 15	Mar. 15	588
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Feb. 4	Feb. 4	498
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Mar. 15	Mar. 2	432
3876	62. PUGH, E. C., Games; Geometrical Instruments	Mar. 13	Mar. 9	440
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Mar. 3	Mar. 3	504
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Mar. 8	Mar. 8	862
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Jan. 16	Jan. 11	642
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	May 1	May 21	1,488
	{Labels and Prints	May 5	May 21	297
2605	Designs, H. H. KALUPY	May 10	May 24	513

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE CORKILL

No. 3,720. Decided January 25, 1937

[87 F.(2d) 216]

PATENTABILITY—PROCESS OF TREATING MINERALS, AND PRODUCT.

Certain claims for a process of treating hydrous borate minerals and claims for the product *Held* unpatentable over prior art and other claims for the process reciting the step of dehydrating to the extent required to produce stable product in form of octohedral borax *Held* patentable.

APPEAL from the Patent Office. Modified.

Mr. C. Russell Riordon and *Mr. Charles E. Riordon* for Corkhill.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming the decision of the Primary Examiner in rejecting claims 1 to 10, inclusive, and 12 to 20, inclusive, of appellant's application for a patent on certain products and improvements in a process of treating minerals. Claims 17, 18, and 19 are the product claims.

The Examiner allowed claims 11 and 21, while the remaining claims were rejected on the following references: (British) 330,146. Thorpe—Outlines of Industrial Chemistry. Rogers' Industrial Chemistry. (The two books relied on only for an understanding of the term "prismatic" borax.)

Claims 1, 12, 14, and 17 are typical of the rejected claims, and are as follows:

1. That process of treating naturally occurring hydrous borate minerals in their crude state, to increase the stability thereof which comprises subjecting such mineral to heat, to remove water of crystallization therefrom, controlling the heat to maintain the temperature between 230° and 250° F., and simultaneously agitating the mineral.

12. That process of treating naturally occurring hydrous sodium borate minerals in their crude state to increase its stability which comprises dehydrating the mineral at a temperature between 230° and 250° F., thereby removing approximately six molecules of the water of crystallization therein, and increasing proportionately the borate radical content therein, and then adding, by re-absorption, at least one molecule of water.

14. That process of treating naturally occurring, hydrous boron minerals in their crude state which comprises separating from such mineral a portion of its water of crystallization, by dehydration, to increase the stability thereof, and controlling temperature and humidity conditions to a predetermined degree effective to produce in the mineral a borate radical content approaching that of octohedral borax.

17. A product consisting of naturally occurring hydrous borate or borates, from which a portion of the water of crystallization has been removed and the specific gravity thereof reduced approximately 15%.

The process and product of the appellant have to do with minerals, particularly "boron bearing ores, containing hydrous borates such as rasorite, tinkal, ulexite," and the like. The application discloses reducing the liquid content of the crude ores and establishing a resulting stable product, so that the same will not have a tendency to lose more of its water content or to absorb further water content. The appellant explains that the boron minerals, as found in nature, are usually unstable as to their water content, and that he has discovered that by driving off a part of their molecules of water, down to a point where the product contains but five molecules, which is said to be the water content of a stable boron mineral known as octohedral borax, the specific gravity of the resulting product is decreased, and its stability will be preserved indefinitely during shipment and otherwise. In order to produce this stable condition, the appellant proposes to subject the crude mineral to a temperature heated slightly above the boiling point, namely, 230° to 250° F. The raw material is placed in a long cylindrical revolving tank in which it is exposed to heated gases and through which it passes slowly until it is discharged at the far end of the revolving cylinder. The heat is kept at a point where the boron mineral will not lose any crystalline formation which it may have, and before the process is completed, is reduced in water content to a content of five molecules, or is reduced to a water content of four molecules, to which one additional molecule is added. The cylinder which is used in the process is about six feet in diameter, eighty feet in length, and revolves at a speed of about four revolutions per minute.

The tribunals of the Patent Office allowed to the appellant two claims, 11 and 21. Claim 11 provides for a temperature of between 230° F. and 250° F., "under conditions which will remove approximately six molecules of the water of crystallization and then permitting the dehydrated minerals to reabsorb at least one molecule of water."

Claim 21 provides for a similar heating with the "removal of approximately five molecules of the water of crystallization, leaving a stable dehydrated mineral containing approximately five molecules of water."

The only reference which is thought to be anticipatory of the rejected claims is the British patent, No. 330,146, which concerns a calcined borax and process of producing the same. In this patent, which was issued in 1930, the ordinary borax of commerce, containing ten molecules of water per unit, is converted into a partly dehydrated or calcined form. The purpose of this is to save costs in transportation. The patent discloses that borax will ordinarily intumesce or puff to a large volume when it is heated to bring about calcination, and it is desired to decrease this puffing by the process disclosed. The patent discloses the reduction of the quantity of water in the borax by subjecting it to a temperature below the melting point of the crystallized borax. The process is carried out in a series of steps, at a comparatively low temperature, in a series of chambers, which successively reduce the amount of water so that the number of molecules is, successively, 10, 8, 6, 4, 2, and finally none. The crystalline form of the product is con-

tinuously retained, the temperatures being graduated in the successive chambers, the first step using temperature of 50° to 100° C., the second from 65° to 150° C., and the third from 125° to 200° C. From this point the temperature rises as the molecules of water decrease.

The patent states that in lieu of a series of chambers, a single long chamber may be used and so arranged that the borax and air are passed from end to end countercurrent to each other.

From a consideration of the British patent, it is apparent that several features of the appellant's process are disclosed in said British patent, namely, the agitation of material as is claimed in several claims of appellant's application, and the retention of a low degree of heat insufficient to change the crystalline form of the structure. In the third chamber, for instance, provided by the British patent, the temperature closely approaches that mentioned in appellant's application. In fact, inasmuch as the effects produced are exactly the same in both cases, namely, the avoidance of a change in the crystalline structure of the material, it is not perceptible where there is any patentable difference between the temperatures provided by the appellant's application and that disclosed in the third chamber of the British patent, or wherein such difference is critical.

It appears, therefore, that certain of the rejected claims were anticipated by the disclosures of the British patent. These include claims 1 to 10, inclusive.

Claims 12 and 14, however, present a different problem. Claim 12 recites a dehydration

"thereby removing approximately six molecules of the water of crystallization therein, * * * and then adding, by re-absorption, at least one molecule of water."

Claim 14 recites, in part, the dehydration

"effective to produce in the mineral a borate radical content approaching that of octohedral borax."

The tribunals of the Patent Office were of the opinion, as evidenced by their allowance of claims 11 and 21, that the dehydration of boron mineral to a point where it reached the stable condition of octohedral borax, namely, one in which the water content amounted to five molecules per unit, was patentable, and not disclosed by the prior art as disclosed by the British patent. With that finding, we agree. It is not disclosed at any place in the British patent that the patentee had this state of stability in mind, or that he had any process by which the said degree might be produced. The process did not produce this condition, according to the specification of the British patent, and no claim was therein made for any such result or process. If this be true, claims 12 and 14 would seem to be patentable. Claim 14 is, in effect, a claim for the production of a borax with five molecules of water, which is shown by the statement of the Examiner, concurred in by the Board of Appeals, to be a borax containing five molecules of water, or the natural stable condition of octohedral borax.

We are, therefore, of the opinion that claims 12 and 14 should have been allowed.

Claims 13, 15, 16, and 20 were, in our opinion, properly rejected by the Board of Appeals. They include, in our judgment, only elements which are fully disclosed by the British patent.

Product claims 17, 18, and 19 are objectionable for the following reasons given by the tribunals of the Patent Office: Claim 17 simply recites a product which may be the result of the process fully disclosed in the British patent. Claims 18 and 19 provide for a product "retaining substantially the original prismatic crystal formation of the crude borate." Such a product is also fully disclosed by the British patent. It is apparent, therefore, that the appellant has disclosed, in these claims, no product new to the art.

The decision of the Board of Appeals is reversed as to claims 12 and 14, and affirmed as to the remaining claims on appeal.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE WEBER

No. 3,742. Decided February 1, 1937

[87 F.(2d) 534]

PATENTABILITY—OIL FEEDING DEVICE.

Certain claims for a device for feeding oil to the crank case of an internal combustion engine, including a reservoir and feed and vent pipes leading therefrom to the crank case, which claims contain the limitation that the vent pipe terminates at the level at which the oil is to be maintained and at the intersection of the longitudinal and transverse centers of the crank case, *Held* patentable over the prior art, and other claims omitting this limitation but reciting a device operative in response to suction in the reservoir for indicating the quantity of liquid therein *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Modified.

Mr. Fred Gerlach and *Mr. Norman H. Gerlach* for Weber.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

There are here involved four claims, numbered, respectively, 1, 5, 9, and 10, of an application for patent, which were denied in view of the prior art cited by the Examiner whose decision was affirmed by the Board of Appeals of the United States Patent Office. The application is entitled "For Constant Level Apparatus", the device being one designed particularly for maintaining oil at a substantially continuous level in the crank cases of automobiles, trucks and the like. One claim stands allowed.

The appealed claims are divisible into two groups, claims 1 and 5 comprising one group, and claims 9 and 10 the other.

As typical, we quote claims 1 and 9:

1. In combination with a vehicle having an internal combustion engine mounted thereon for propelling purposes, an apparatus for constantly maintaining the oil in the crank case of the engine at a predetermined level comprising an air-tight reservoir mounted on the vehicle above said level and adapted to contain a supply of oil, a feed pipe having one end thereof connected to the bottom of the reservoir to receive oil therefrom and its other end extending into the crank case and terminating adjacent to the intersection of the longitudinal and transverse centers of the crank case and beneath said level and serving when the reservoir is vented to feed oil from the reservoir to the crank case, and a vent pipe having one end thereof leading to the top of the reservoir and its other end extending into the crank case and terminating at the level at which the oil is to be maintained in the crank case and at said intersection of the longitudinal and transverse centers of the crank case, and adapted when the oil in the crank case drops below its proper level and exposes to atmosphere its said other end to introduce air into the reservoir for oil-feeding purposes.

9. An apparatus for maintaining a liquid at a constant level in a case or tank, comprising an air-tight, liquid-containing reservoir above the case, a feed pipe leading from the bottom of the reservoir to the tank, a vent pipe leading from the top of the reservoir to the point in the tank at which the desired liquid level is to be maintained, and a device operative in response to suction in the reservoir for indicating the quantity of liquid in the reservoir.

The reference patents cited are: Martin, 1,328,843, January 27, 1920; Harne, 1,433,613, October 31, 1922.

The drawings of appellant disclose a construction in which an air-tight reservoir for containing reserve oil is located above the crank case. Two flexible conduits lead from the reservoir to the crank case, one being designated as a feed pipe and the other as a vent pipe. The lower or crank case end of the feed pipe has a tube-like part, or extension, which runs horizontally into the lower part of the crank case, being placed in a position beneath the level at which the oil is to be maintained in the crank case, and having its open end at the intersection of the longitudinal and transverse centers of the crank case. The vent pipe also has a tubular extension running horizontally into the crank case and located directly above the tubular extension of the feed pipe, designed to be located at the level at which the oil is to be maintained. The open end of this latter tubular extension, like the open end of the other, is at the intersection of the longitudinal and transverse centers of the crank case.

While the device, as a whole, contains many features in combination, the foregoing construction embraces the elements upon which appellant particularly relies to render claims 1 and 5 patentable.

The emphasized feature of claims 9 and 10 is a construction referred to in the specification as "a suction-responsive device" for indicating the quantity of liquid in the reservoir, it being recited in claim 10 that the device is mounted on the instrument panel of the vehicle. By so mounting it, the driver of the vehicle is enabled to observe the indicator from his seat and note the amount of oil in the reservoir. The construction consists of a casing mounted in the instrument panel in front of the dashboard, equipped with a pointer which is under control of a diaphragm located in the casing and connected by a hose to an elbow on the top of the reservoir, the elbow feature extending into the reservoir, so that the diaphragm communicates with the interior of the reservoir by means of the hose. The specification explains that when the reservoir is closed and suction exists therein, the diaphragm is contracted, while when air is admitted to the reservoir, as, for example, when the reservoir runs dry, the diaphragm expands. These respective actions of contraction and expansion operate upon the pointer which registers upon a dial the state of the oil content of the reservoir.

The patent to Martin discloses a reservoir having a feed pipe extending therefrom and connected with the lower end of a transparent stand pipe or sight tube, which tube in turn is connected with the crank case. It shows also a pipe extending from the top of the reservoir to the top of the sight tube and connected with each through appropriate means so that it acts as a vent pipe. The transparent stand pipe is located outside the crank case, and neither the feed pipe nor the vent pipe of the patent extends directly into the crank case. The connection between the sight tube and the crank case is at one side of the crank case, so that the oil passing from the reservoir does not enter the crank case at its longitudinal and transverse center, as is provided by appellant's device, nor does the vent pipe act from that point. The Martin patent was cited as showing, to paraphrase the language of the Examiner, that the use of a sealed reservoir, feed pipe and vent pipe for maintaining a desired level in a crank case is old.

The Harne patent discloses a reservoir with feed pipe extending therefrom into the crank case where it connects with a chamber in which there is a float that carries a tube which slides in a sleeve. Both tube and sleeve have holes which are adapted to register when the float is lowered so as to permit oil to flow into the crank case. Means consisting of a cone valve are provided for cutting off the supply of oil when the float is lifted. The specification of Harne recites that the float chamber "is arranged in the crank case substantially centrally thereof." No vent pipe is shown. Harne also shows a pressure tube which, it is said in his specification, may be arranged in the reservoir and extend to the instrumental board or other convenient location and connected to a suitable gage to register the level of oil in the reservoir.

Referring particularly to claims 1 and 5, the Examiner said:

In combining Martin and Harne the Examiner's position was that Martin shows the fundamental principle of the feed and vent pipe arrangement to be old and in view of Harne, who teaches the positioning of the control means at the crank case center to provide for the desired control regardless of crank case tilt to be old, no invention would be required to extend the feed and vent pipes of Martin to the crank case center.

As to claims 9 and 10, the Examiner held that they read upon Martin so far as any patentable features are present, except for the gage included at the end of each claim (the feature we have heretofore referred to as "a suction-responsive device"), but held that the feature of Harne described as a pressure tube located in the reservoir anticipated appellant's gage feature.

The Board of Appeals concurred with the Examiner throughout. Discussing claims 1 and 5, it said:

* * * Broadly, applicant provides a so-called barometric feed type of apparatus comprising an air-tight tank to hold a reserve supply of oil at some elevated point above the oil pan. Two pipes lead from the air-tight reserve oil tank to the oil pan. One pipe serves as a simple gravity oil flow pipe. The second pipe is a vent pipe leading from the top of the air-tight tank and opening at the exact center of the surface of the oil bath in the oil pan to admit air when the mouth of the pipe is exposed by low oil level. It is applicant's plan to thus

take advantage of the relatively constant level characteristics of this center point of the surface of the oil in distinction to the widely fluctuating levels with respect to points near the side or end walls of the pan, to more accurately regulate the feed of the oil.

We find this principle of selecting the center of the surface of the oil bath as the controlling point for regulating the feed of oil to be fully appreciated by Harne. Harne, however, employs a simple oil feed pipe with a float valve control, the float and valve being located at the center of the surface of the bath. Harne, therefore, discloses a device to take advantage of this principle but of the float feed type rather than the barometric fountain feed style of control.

Martin discloses a barometric type of feed but it does not dispose the mouth of the vent pipe at a point at the center of the oil bath in the crank case pan.

The question is presented whether it involves invention to substitute certain features shown by Martin, that is, the barometric type of feed in place of the float valve feed of Harne.

The Board's comment upon claims 9 and 10 is as follows:

Claims 9 and 10 include the association of an oil gage with the supply reservoir. Harne provides a gage of somewhat different type on the reserve oil supply tank. His gage comprises a tube leading to the dashboard of the car and is in some way affected by the pressure of the oil in the tank to indicate the level of the oil therein. Applicant's gage so far as involved in the appealed claims is of the simplest type comprising merely a sight tube working on the principle of the common boiler water gage. The tube is open to the pressure inside the vessel above and below the liquid in the vessel and the liquid merely stands in the tube at the same level as in the tank. We see no invention in broadly providing such gage in place of Martin's pressure gage.

Before us the feature which is most strongly emphasized on behalf of appellant is that of carrying his vent pipe into the crank case and particularly locating its end so that it terminates at the level at which the oil is to be maintained in the crank case and at the intersection of the longitudinal and transverse centers of the crank case. In the oral argument it was said, in substance, that this constitutes the key to the success of the invention.

The advantage of so locating the crank case end of the vent pipe is said to be that no matter how the vehicle may tilt, whether from side to side or from end to end, the leveling of the oil is unaffected, equilibrium of level being constantly maintained, whatever the position of the vehicle.

It is pointed out that Harne has no vent pipe and that Martin's vent pipe does not extend into the crank case.

It is not suggested by either of the Patent Office tribunals that this feature of location is unimportant, or unpatentable except in view of the prior art, and it is our view that it is of importance and worthy of most serious consideration, even though it appears simple now that appellant has provided it. *Eibel Process Company* v. *Minnesota & Ontario Paper Company*, 261 U. S. 45, 310 O. G. 3.

As, of course, Martin shows no such arrangement as that of appellant since his vent pipe does not enter the crank case, and the oil goes in and the venting takes place at the side, and since Harne has no vent pipe, the sole question seems to be whether it constituted invention to substitute for Harne's float control arrangement a vent pipe with its end located as has been described.

It may be said that on behalf of appellant it is questioned whether Harne teaches location of his float chamber centrally both longitudinally and transversely. Harne does not, in fact, refer in terms to any central location *longitudinally*, but speaks of arranging the float chamber in the center of the crank case, *transversely* of the engine.

However this may be, we are not convinced that Harne's float arrangement may properly be held to anticipate the emphasized feature of appellant's device, especially in view of the showing made of record respecting the operation of the Harne device and the operation of the involved device.

During the prosecution of appellant's application a number of affidavits were filed respecting different phases of the case. Some of these were of no value, as the tribunals of the Patent Office correctly held, but others of them, one going to the question of tests of a device constructed in accordance with the Harne drawings and others to the question of the practicability and commercial success of appellant's device, we regard as impressive and helpful in determining the issue.

It is clearly established by statements of disinterested affiants that appellant's device is thoroughly workable and practical; that substantial savings in oil were accomplished by its use, and that it is both practically and commercially successful. The affidavit, also by a disinterested party, who appears to be a well qualified mechanic in this field, with respect to the test of the device constructed by him in accordance with the drawings of Harne (it not appearing that the Harne device although patented in 1922 has ever gone into commercial production) certainly discloses results which tend, in our opinion, to raise a serious question as to whether in any practical or true sense the Harne device is operative at all. The Examiner himself seemed to have doubt as to the operativeness of the Harne structure, but expressed the opinion that it "could readily be made operative by use of ordinary mechanical skill in applying the principles of the invention." It seems proper to remark that if so made operative it would be as a float device and not as the open end tube device of appellant.

The Board said "We have considered the record but are not convinced that Harne's device would be considered inoperative within the range of latitude of the patent laws." It is pointed out in the Board's decision that the claim is made that the device constructed in accordance with Harne's drawings failed to act until the oil level in the engine pan had dropped too low, namely, that one and three-quarter gallons of oil had to be drained from the crank case before more oil could be let in, but that it is not made clear just why this late action occurred, if known. It is then said that the test of the device was not made with one installed in an engine and operated under working or road conditions, but on a stationary device, the oil being drawn off while the pan in which the device was mounted was merely tilted, and the Board suggests that a different result might have been obtained from a test under actual running conditions.

As to the foregoing it may be said that, as we understand the statement of the affiant, the device which he made in conformity with appellant's application was also tested by him on a stationary device, that is in the same manner as was the Harne device, and appellant's device did work satisfactorily in that condition, just as it is shown by other testimony to have worked satisfactorily in actual running tests in engines of automobiles and trucks of different makes.

It may be added that it is insisted on behalf of appellant that Harne does not have an air-tight reservoir, and it is true that his application does not describe his reservoir as such. The Examiner, however, described it as being "sealed," and in any event it does not seem to be questioned that Martin's reservoir is air-tight. So, this feature is regarded as anticipated.

All this, however, does not satisfy us that Harne's float arrangement, even if, as suggested by the Examiner, it could be made operative by mechanical skill, should be held to negative invention in appellant's specific structure, and we feel constrained to hold that appellant's arrangement goes beyond mere mechanical skill and may properly be regarded as invention. Therefore, we are of opinion that claims 1 and 5 should be allowed.

Numerous authorities are cited in the brief on behalf of appellant, but we deem it unnecessary to review them. After all, the question here is purely one of fact, and each case of this nature must be determined upon that basis.

As to claims 9 and 10 in which all that is insisted upon is the device operative in response to suction in the reservoir for indicating the quantity of oil in the reservoir, we are not convinced that anything patentably new over the reference Harne is shown. Counsel for appellant stresses the fact that Harne speaks of the tube in his reservoir as a "pressure" tube, while appellant speaks of "suction" as operating the indicating needle, this suction resulting, as we understand it, from a bellows-like member referred to in the description heretofore given of appellant's device as a diaphragm. We agree with the argument of the Solicitor for the Patent Office to the effect that pressure and suction, as shown here, is a distinction in words rather than in substance, and the modifications of the prior art which appellant has made to provide his indicating gage cannot, we think, be regarded as inventive.

The decision of the Board of Appeals is modified, being affirmed as to claims 9 and 10, and reversed as to claims 1 and 5.

Modified.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,223,190, C. F. Kettering, Ignition system; 1,641,374, W. A. Chryst, Induction coil; 1,647,417, W. G. Schneider, Ignition coil, D. C., S. D. N. Y., Doc. E 69/174, *General Motors Corp.* v. *Guaranteed Parts Co., Inc.* Dismissed without prejudice (notice May 7, 1937). Doc. E 69/181, *General Motors Corp.* v. *K. E. M. Mfg. Co., Inc.* Decree as above.

1,292,081, J. Sachs, Electric switch; 1,301,175, same, Electric service and meter testing system, D. C., N. D. Ohio, E. Div., Doc. E 5008, *J. Sachs et al.* v. *The American Electric Switch Corp. et al.* Dismissed without prejudice (notice May 3, 1937).

1,301,175. (See 1,292,081.)

1,317,473, E. Aufiero, Physical instrument for the production of sound waves; Re. 17,560, R. O. Hood, Acoustic signaling device, D. C., N. D. Ind. (Ft. Wayne), Doc. E 376, *E. A. Laboratories, Inc., et al.* v. *Delta Electric Co.* Dismissed upon stipulation May 10, 1937.

1,332,545, R. de Filippis, Variable steering device for vehicles; 1,357,491, same, Automatic steering device, filed May 7, 1937, D. C., E. D. N. Y., Doc. E 8294, *The Automatic Toy Corp.* v. *The Namm Stores, Inc.*

1,357,491. (See 1,332,545.)

1,372,460, J. Q. Sherman, Autographic register; 1,418,481, same, Printing and punching manifolding paper; 1,425,907, 1,454,822, same, Manifolding typewriter; Re. 19,418, same, Cash drawer manifolding device; 1,454,821, Sherman & Metzner, Flat bed multicopy machine; 1,745,648, same, Gravity manifolding aligning device, filed April 2, 1937, D. C. Del., Doc. E 1205, *The Standard Register Co.* v. *Bonnar-Vawter Fanform Co.*

1,388,434, G. V. Johnston, Method of and apparatus for butt-weiding thin gauge tubing and the product thereby produced; 1,435,306, same, Butt-welded thin-walled tubing; 1,611,875, H. Belmont, Welding apparatus, C. C. A., 3d Cir., Doc. 5873, *National Tube Co.* v. *Steel & Tubes, Inc.* Decree affirmed May 6, 1937.

1,389,067, M. D. Nielson, Undergarment for women; Re. 17,903 (of 1,680,267), same, Process of making undergarment of inelastic material; 1,487,971, same, Undergarment of the bloomer type, filed Jan. 27, 1937, D. C. Minn., 4th Div., Doc. E 2957, *Winget Kickernick Co. et al.* v. *M. L. Rothschild & Co.*

1,403,475 (*a*), H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,811,095, H. J. Round, Thermionic amplifier and detector, D. C., S. D. Calif. (Los Angeles), Doc. E 1126-C, *R. C. A. et al.* v. *G. Deutch et al.* (*Radio Accessories Co.*). Consent decree for injunction May 4, 1937.

1,403,475 (*b*), H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,811,095, H. J. Round Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., W. D. Wash. (Seattle), Doc. 1149, *R. C. A. et al.* v. *F. V. Buckley* (*Buckley Radio Co.*). Injunction May 19, 1937.

1,403,932. (See 1,403,475 (*a*) and (*b*).)

1,418,481. (See 1,372,460.)

1,425,907. (See 1,372,460.) 1,435,306. (See 1,388,434.)

1,454,821. (See 1,372,460.) 1,454,822. (See 1,372,460.)

1,470,524, H. B. Burt, Process of making frozen confections; 1,718,997, same, Frozen confection, filed April 29, 1937, D. C., S. D. Calif., C Div., Doc. E 1155-S, *Good Humor Corp. of America et al.* v. *H. I. Glickman et al.*

1,487,971. (See 1,389,067.)

1,507,016. (See 1,403,475 (*a*) and (*b*).)

1,507,017. (See 1,403,475 (*a*) and (*b*).)

1,539,300. (See 1,599,807.)

1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 1,728,879, same, Amplifying system, D. C., S. D. Calif. (Los Angeles), Doc. E 1127-M, *R. C. A. et al.* v. *G. Deutch* (*Radio Accessories Co.*). Consent decree for injunction May 4, 1937. Same, D. C., W. D. Wash., N. Div., Doc. 1150, *R. C. A. et al.* v. *F. V. Buckley.* Decree as above May 19, 1937.

1,599,807, 1,539,300, A. L. Christiansen, Fish cutting and cleaning machine; 1,699,951, Christiansen & LaLonde,

same, D. C., S. D. Calif. (Los Angeles), Doc. E 988–C, *A. L. Christiansen et al.* v. *Van Camp Sea Food Co., Inc., et al.* Dismissed May 14, 1937.

1,601,146, J. B. Replogle, Switch; 1,693,998, W. A. Chryst, Electric switch; 1,835,019, H. D. Dawson, same, D. C., S. D. N. Y., Doc. E 69/176, *General Motors Corp.* v. *Guaranteed Parts Co., Inc.* Dismissed without prejudice (notice May 7, 1937), Doc. E 76/9, *General Motors Corp.* v. *American Motors Products Corp.* Decree as above.

1,611,875. (See 1,388,434.) 1,637,885. (See 1,942,425.)

1,641,374. (See 1,223,190.) 1,647,417. (See 1,223,190.)

1,680,267. (See 1,389,067.) 1,693,998. (See 1,601,146.)

1,699,951. (See 1,599,807.) 1,707,617. (See 1,573,374.)

1,718,997. (See 1,470,524.) 1,728,879. (See 1,573,374.)

1,745,648. (See 1,372,460.)

1,756,898, A. J. Bocz, Balancing device; 1,886,246, same, Harmonic antivibrator, D. C., E. D. Mich. (Detroit), Doc. 5648, *A. J. Bocz* v. *Hudson Motor Car Co.* Dismissed (notice May 17, 1937).

1,764,040, W. C. Edwards, Jr., Combination harvester, thrasher and separator; 1,764,041, same, Combination harvester thrasher, D. C. Kans. (Wichita), Doc. 961–N, *W. C. Edwards, Jr.* v. *Cockshutt Plow Co. et al.* Dismissed without prejudice (notice May 18, 1937).

1,764,041. (See 1,764,040.) 1,795,214. (See 1,573,374.)

1,798,751, 1,906,084, H. E. Norviel, Electrical switch, D. C., S. D. N. Y., Doc. E 78/97, *General Motors Corp.* v. *American Motor Products Corp.* Dismissed without prejudice (notice May 7, 1937).

1,811,095. (See 1,403,475 (*a*) and (*b*).)

1,835,019. (See 1,601,146.)

1,864,459. (See Re. 18,498.)

1,864,460. (See Re. 18,498.)

1,886,246. (See 1,756,898.)

1,894,197. (See 1,573,374.)

1,896,143, H. E. Norviel, Coil switch unit; 1,956,334, L. O. Parker, Coil construction, D. C., S. D. N. Y., Doc. E 78/179, *General Motors Corp.* v. *Guaranteed Parts Co., Inc.* Dismissed without prejudice (notice May 7, 1937). Doc. E 78/181, *General Motors Corp.* v. *K. E. M. Mfg. Co., Inc.* Decree as above.

1,896,934. (See Re. 18,732.)

1,906,084. (See 1,798,751.)

1,906,084, H. E. Norviel, Switch, D. C., S. D. N. Y., Doc. E 78/180, *General Motors Corp.* v. *K. E. M. Mfg. Co., Inc.* Dismissed without prejudice (notice May 7, 1937.)

1,910,848. (See Re. 18,732.)

1,910,849. (See Re. 18,732.)

1,942,425, P. Holman, Furrier's art; 1,637,885, H. Wasserman, Fur bearing sheets used in the manufacture of garments, etc., and proceses of producing same, D. C., S. D. N. Y., Doc. E 80/310, *Endureth Furs Corp.* v. *Stay-Skin, Inc.* Dismissed (notice May 5, 1937).

1,956,334. (See 1,896,143.)

2,020,207, O. R. Platter, Chair; 2,072,074, Travers & Morris, Folding chair, filed May 12, 1937, D. C., S. D. N. Y., Doc. E 85/99, *Mahoney Chair Co.* v. *J. Davidson.*

2,050,584, 2,051,008, Peremi & Kish, Revolving door, filed May 3, 1937, D. C., S. D. N. Y., Doc. E 85/86, *General Bronze Corp.* v. *Van Kennel Revolving Door Co.*

2,051,008. (See 2,050,584.)

2,068,211, Des. 104,136, J. G. Wasson, Fly swatter, filed May 13, 1937, D. C., S. D. Ill., N. D., Doc. E 1365, *The Gatch Wire Goods Co.* v. *W. A. Laidlaw Wire Co. et al.*

2,072,074. (See 2,020,207.)

Re. 17,560. (See 1,317,473.)

Re. 17,903. (See 1,389,067.)

Re. 18,498, H. E. Norviel, Ignition apparatus; 1,864,459, same, Switch; 1,864,460, same, Switch and coil unit, D. C., S. D. N. Y., Doc. E 70/284, *General Motors Corp.* v. *Guaranteed Parts Co., Inc.* Dismissed without prejudice (notice May 7, 1937). Doc. E 74/25, *General Motors Corp.* v. *K. E. M. Mfg. Co., Inc.* Decree as above.

Re. 18,579. (See 1,403,475 (*b*).)

Re. 18,732, W. J. Beattie, Method of manufacturing soft collars and product thereof; 1,896,934, same, Collar point shaping machine; 1,910,849, S. J. McAuley, Shaping means; 1,910,848, same, Collar and method of shaping same, D. C. Del., Doc. E 1073, *The Beattie Mfg. Co. et al.* v. *Tutelman-Kohn-Marcus, Inc.* Claims 14, 15, and 18 of 1,910,848, claim 12 of 1,910,849, claims 17, 22, and 24 of Re. 18,732, and claims 25, 31, and 32 of 1,896,934 held valid and infringed April 7, 1937. Same, filed May 18, 1937, D. C., E. D. Pa., Doc. 9739, *The Beattie Mfg. Co. et al.* v. *Automatic Forming Die Corp.*

Re. 19,418. (See 1,372,460.)

Re. 19,743, N. E. Newman, Record-sheet holder for facilitating distribution of accounts; Re. 19,994, Niemann & Ziehm, Device for distribution of accounts, filed May 14, 1937, D. C., S. D. N. Y., Doc. E 85/104, *Felt & Tarrant Mfg. Co.* v. *Wilson-Jones Co.*

Re. 19,994. (See 19,743.)

Des. 104,136. (See 2,068,211.)

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,875,090, A. H. Metcalf, Cuff button, decided May 29, 1936, claims 4, 8, and 12.

Pat. 1,908,644, O. A. Ross, Paper fastener, decided April 12, 1937, claims 2, 7, 8, 9, 10, 11, and 12.

Design Pat. 94,236, F. I. Roach, Design for a casing for a corn popping machine, decided May 3, 1937, the claim as shown.

Trade-Mark Registrations Canceled

262,583. Lubricating oils. Petroleum Products Storage Company, New South Memphis, Tenn. Registered October 15, 1929. Canceled May 17, 1937.

263,468. Leather belting. Baldwin Belting & Leather Co., Inc., New York, N. Y. Registered November 5, 1929. Canceled May 21, 1937.

283,114. Automatic stokers. Fire-O-Matic, Inc., Portland, Oreg. Registered May 19, 1931. Canceled May 7, 1937.

313,366. Gin. Arthur M. Bloch Liquor Importers, Inc., Milwaukee, Wis. Registered May 29, 1934. Canceled May 17, 1937.

327,773. Whiskey. The American Distilling Company, Pekin, Ill. Registered September 3, 1935. Canceled May 17, 1937.

330,329. Certain named preparations for the hair. Lawrence Richard Bruce, Inc., doing business as "Mury" and "Clairol, Inc.", New York, N. Y. Registered November 26, 1935. Canceled May 21, 1937.

331,561. Coffee. Eppens, Smith Company, Inc., New York, N. Y. Registered January 14, 1936. Canceled May 21, 1937.

335,964. Polishing cloths. John B. Marino, New York, N. Y. Registered June 16, 1936. Canceled May 21, 1937.

339,133. Electrical dry shaving apparatus. The Hanley Manufacturing Company, Stamford, Conn., assignor to Clipshave, Inc., Port Chester, N. Y. Registered September 22, 1936. Canceled May 21, 1937.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 22, 1937

[VOL. 479. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 381,069. FERRY-MORSE SEED COMPANY, Detroit, Mich. Filed July 16, 1936.



Trade-mark consists of a yellow band or stripe extending across the face at each end of the packet or envelope containing the seeds. The representation of the package is disclaimed apart from the mark claimed.

For Seeds, Particularly Vegetable, Flower, and Grass Seeds.

Claims use since November, 1935.

Ser. No. 385,790. PAUL C. HAAS, Meudon, Mich. Filed Nov. 20, 1936.

MARVATEX

For Synthetic Resinous and Fibrous Materials.

Claims use since Nov. 4, 1936.

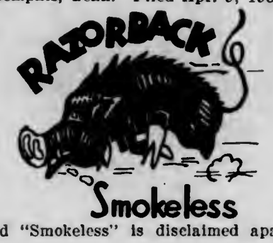
Ser. No. 387,548. FARM SERVICE STORES, INC., Minneapolis, Minn. Filed Jan. 7, 1937.

ARROWHEAD

For Seeds, Particularly Sweet Clover, Alfalfa, Timothy, and Alsike.

Claims use since Dec. 22, 1936.

Ser. No. 391,154. SOUTHERN COAL COMPANY, INCORPORATED, Memphis, Tenn. Filed Apr. 9, 1937.



The word "Smokeless" is disclaimed apart from the mark.

For Coal.

Claims use since June, 1933.

Ser. No. 391,212. GENERAL SPORTS, INC., Chicago, Ill. Filed Apr. 12, 1937.

AIRLITE

CUSHION RUBBER

The words "Cushion Rubber" are disclaimed apart from the mark.

For Cushion Rubber.

Claims use since Dec. 9, 1936.

Ser. No. 391,869. J. R. M. KLOTZ, Montclair, N. J. Filed Apr. 26, 1937.

MONSATIN

For Resinous Composition in Solid or Liquid Form.

Claims use since Feb. 17, 1937.

CLASS 2

Receptacles

Ser. No. 385,190. LENK & SPRAGUE CORPORATION, Downingtown, Pa. Filed Nov. 5, 1936.

Slice-ette

The word "Slice" by itself is disclaimed.

For Cartons for Cakes or the Like Including Means for Cutting Same.

Claims use since Nov. 3, 1936.

Ser. No. 391,953. ECONOMY PACKAGES, INC., New York, N. Y. Filed Apr. 28, 1937.

MULTILOK

For Receptacles, Particularly Receptacles and Containers Made of Paper, Cardboard, and the Like, for Liquid, Wet, and Dry Products.
Claims use since Mar. 25, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 391,827. RITTER & RITTER, INC., New York, N. Y. Filed Apr. 24, 1937.

SUB-DEB

For Women's and Misses' Handbags.
Claims use since Apr. 15, 1937.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 389,726. E. L. AND J. F. DENNEHY, INC., Brockton, Mass., and Johnson City, N. Y. Filed Mar. 6, 1937.



For Leather and Shoe Finishes—Namely, Blackings, Stains, Repair Powders, Repair Crayons, Fabric Crayons, Fillers, Stain Removers, Cleaners and Clarifiers With Incidental Bleaching Properties, Dressings, Polishes, Burnishing Waxes, Harness Dressings, Stitch Gloss, and Scouring Preparations.
Claims use since Mar. 1, 1922.

Ser. No. 390,060. FULD BROS., Baltimore, Md. Filed Mar. 15, 1937.



The words "Alkali Proof" are disclaimed apart from the mark.
For Detergent Compositions for General Cleaning.
Claims use since September, 1936.

Ser. No. 391,213. HIRAM GOLDSTEIN, doing business as Utility Products Company, Buffalo, N. Y. Filed Apr. 12, 1937.



For Cleaning Fluid for All Types of Fabric, Color Fast Fabrics, Upholstery, Rugs, and for General Cleaning Purposes.
Claims use since Apr. 3, 1937.

Ser. No. 391,287. PINAUD INCORPORATED, doing business as Ed. Pinaud, New York, N. Y. Filed Apr. 13, 1937.

CLUBMAN

For Shaving Cream.
Claims use since Sept. 19, 1933.

Ser. No. 391,409. THE WILLIAM A. WEBSTER CO., Memphis, Tenn. Filed Apr. 15, 1937.

OLD TOPPER

For Shaving Soap.
Claims use since July 22, 1936.

Ser. No. 391,799. BOYER CHEMICAL LABORATORY CO., INC., doing business as Boyer Chemical Works, Chicago, Ill. Filed Apr. 24, 1937.

RED CROWN

For Scouring Powder.
Claims use since Mar. 2, 1937.

Ser. No. 391,826. RECORD SUPPLY CORPORATION, Chicago, Ill. Filed Apr. 24, 1937.

Moon Rose

For Toilet Soap.
Claims use since Feb. 19, 1936.

CLASS 5

Adhesives

Ser. No. 391,841. THE GEO. WORTHINGTON COMPANY, Cleveland, Ohio. Filed Apr. 24, 1937.

TRAIL BLAZER

For Friction Tape, Rubber Tape, Glue, Metal Cement, and Rubber Cement.
Claims use since Sept. 1, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 383,272. HARRY RYBERG, doing business as Miogenic Laboratory, Palo Alto, Calif. Filed Sept. 15, 1936.

FORMULA 37

The word "Formula" is disclaimed apart from the mark.
For Hair Tonic.
Claims use since Jan. 2, 1936.

Ser. No. 386,605. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Dec. 10, 1936.

UROMAT

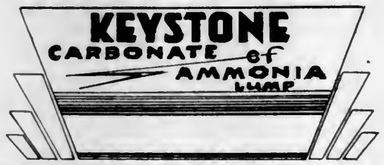
For Chemical Products for Use as Auxiliary Agents in the Textile Industry—Namely, Dressing, Finishing, Delustring, Leveling, Emulsifying, Degreasing, Desizing, Protecting, Carbonizing, Wetting, Impregnating, Reserving, Sizing, Oiling, Thickening, Waterproofing, Softening Agents, Agents to Facilitate Penetration, Agent to Improve the Feel, Agent to Facilitate Bobbin Winding.
Claims use since Apr. 18, 1935.

Ser. No. 386,606. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Dec. 10, 1936.

MIGAMAT

For Chemical Products for Use as Auxiliary Agents in the Textile Industry—Namely, Dressing, Finishing, Delustring, Leveling, Emulsifying, Degreasing, Desizing, Protecting, Carbonizing, Wetting, Impregnating, Reserving, Sizing, Oiling, Thickening, Waterproofing, Softening Agents, Agents to Facilitate Penetration, Agent to Improve the Feel, Agent to Facilitate Bobbin Winding.
Claims use since Apr. 18, 1935.

Ser. No. 386,715. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y. Filed Dec. 14, 1936.



The words "Carbonate of Ammonia Lump" are disclaimed apart from the mark.
For Carbonate of Ammonia.
Claims use since Jan. 1, 1934.

Ser. No. 387,090. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Dec. 23, 1936.

SANTOMERSE

For Chemical Compounds Employed as Wetting, Spreading, Emulsifying, Dispersing, and Penetrating Agents.
Claims use since Dec. 15, 1936.

Ser. No. 387,170. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Dec. 28, 1936.

MOTH DRUM

The word "Moth" is disclaimed except as shown.
For Moth Preparations.
Claims use since Sept. 26, 1936.

Ser. No. 387,216. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Dec. 28, 1936.

INVADERM

For Chemical Products for the Treatment of Leather and Textiles—Namely, Dyeing and Coloring Agents for Leather and Softening, Dressing, Finishing, Wetting, and Washing Agents for Textiles.
Claims use since Nov. 22, 1933.

Ser. No. 387,929. LUMB A. VALENTINE, New York, N. Y. Filed Jan. 18, 1937.

LADY VANESSA

For Face Creams, Cleansing Creams, Acne Cream, Bleaching Cream, Eczema Cream, Foundation Cream, Dry Rouge, Liquid Rouge, Face Packs, Hand Lotion, Face Powder, Talcum Powder, Lipstick, Nail Polish, Nail Cream, Cuticle Cream, Eyelash and Eyebrow Pomade, Disinfectants, Bath Salts, Smelling Salts, Toilet Water, Bay Rum, Perfumes, Deodorants, Petroleum Jelly, Sachets, and Liquid Astringents.
Claims use since Nov. 20, 1935.

Ser. No. 387,930. FRED C. ZIEG, doing business as The Essington Company, Fort Wayne, Ind. Filed Jan. 18, 1937.

HAIR-VITA



The words "Kwik Komb" are disclaimed apart from the mark.
For Hair Dressing.
Claims use since Apr. 25, 1936.

Ser. No. 389,222. CARL A. ALBRECHT, Columbus, Ohio. Filed Feb. 23, 1937.

MOTOR-KOOL

For Flushing Compound for the Cooling Systems of Internal Combustion Engines.
Claims use since Jan. 2, 1937.

Ser. No. 389,369. FRED D. NAYLOR, Groton, Mass. Filed Feb. 25, 1937.

Rolyan PRODUCTS

The term "Products" is disclaimed apart from the mark as shown.
For Poison Ivy Killer, Plant Insect Spraying Fluid, Fly Spraying Fluid, Cattle and Dairy Spraying Fluid, Flea and Lice Powder, Ant and Roach Powder, Rat and Mouse Poison, Mosquito Repellant Cream, Moth Spraying Fluid, a Chemical Preparation to Prevent Runs in Silk Hosiery, Bed Bug Spraying Fluid, a Balm for Treating Skin Diseases, and a Preparation for Treating Mange.
Claims use since June 3, 1936.

Ser. No. 390,001. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Filed Mar. 12, 1937.

PARACIN

For Venereal Prophylactic.
Claims use since Nov. 13, 1936.

Ser. No. 390,009. HENRY P. HILL, doing business as Hill's Laboratories, Silver Spring, Md. Filed Mar. 12, 1937.

HYCHLORTHENE

For Medicines—Namely, a Preparation Used as an Antispasmodic and Urinary Acidifier.
Claims use since Feb. 15, 1937.

Ser. No. 390,077. LUCKY TIGER MANUFACTURING COMPANY, Kansas City, Mo. Filed Mar. 15, 1937.

OXY-QUIN

For Medicated Cream for Use as an Antiseptic and to Soften the Skin.
Claims use since Mar. 1, 1937.

Ser. No. 390,662. THE OHIO OIL COMPANY, Findlay, Ohio. Filed Mar. 29, 1937.

"HI-HO"
HI-HO

For Fly Sprays.
Claims use since Mar. 24, 1937.

Ser. No. 390,690. COLUMBIA LABORATORIES INCORPORATED, Columbia City, Ind. Filed Mar. 30, 1937.

NASAVARO

For Nasal Oil.
Claims use since Feb. 24, 1937.

Ser. No. 390,708. HENRY W. REIMANN, Roy, Idaho. Filed Mar. 30, 1937.

BEFORE Reimann's ROUP Preparation AFTER

The words "Before", "After", and "Roup Preparation" are disclaimed apart from the mark.
For Roup Preparation.
Claims use since Jan. 15, 1931.

Ser. No. 390,779. JAMES B. CASEY, Fulton, Ky. Filed Apr. 1, 1937.



The portrait is that of the applicant.
For Preparation to Invigorate the Growth of the Hair, and for Treating Dandruff and Eczema.
Claims use since Feb. 15, 1936.

Ser. No. 390,813. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Apr. 1, 1937.

CO-OP

For Insecticides, Fungicides, Flocculators, Animal Dips (Including Cattle Dip, Hog Dip, and Sheep Dip), Germicides, Vermicides, Disinfectants (Liquid and Powder); Medicinal Linseed Oil for Human and Animal Use, Halogenated Oils, Nitranilines, Pruning Compounds, Chemical Wood Preservatives, Chemical Rubber Preservatives; Also Dyes, Including Acid-Type, Basic-Type, and Chrome-Type Dyes; Coal-Tar Intermediates; Dry Pigment Colors for Use in Dyes, Including Yellows, Greens, Blues, Pulp Colors, Lakes, and Reds; Acetic Acid, Glacial Acetic Acid, Mono-Chromate Liquor for Use in Dyes, and Sodium Acetate.
Claims use since Jan. 15, 1937.

Ser. No. 390,820. STANDARD DRUG CO., INC., doing business as Elars Co., Richmond, Va., and New York, N. Y. Filed Apr. 1, 1937.

KYNOL

For Tooth Paste and Germicide Antiseptic-Deodorant.
Claims use since Nov. 30, 1935.

Ser. No. 390,848. FAN TAN COMPANY, INC., doing business as Gro-Pres Co., Chicago, Ill. Filed Apr. 2, 1937.

GRO-PRES

For Hair Preparation.
Claims use since Apr. 1, 1936.

Ser. No. 390,925. LANVIN PARFUMS, INC., Wilmington, Del., and New York, N. Y. Filed Apr. 3, 1937.

PRÉTEXTE

For Perfumes.
Claims use since Mar. 27, 1937.

Ser. No. 391,030. MOTHERSILL REMEDY COMPANY, LIMITED, Montreal, Quebec, Canada. Filed Apr. 7, 1937.

T. B. Mothersill

Trade-mark consists of the facsimile signature "T. B. Mothersill", deceased, founder of applicant's business.
For Medicine for Seasickness.
Claims use since June, 1908.

Ser. No. 391,042. OWEN B. SHERWOOD, doing business as Neo-Vim Company, Columbus, Ohio. Filed Apr. 7, 1937.

NEO-VIM

For Tonic Stimulant Recommended for Use in Aiding Digestion and Promoting Elimination.
Claims use since Apr. 1, 1937.

Ser. No. 391,124. NATHAN GITTLESON, doing business as Pinxav Laboratories, Cleveland, Ohio. Filed Apr. 9, 1937.

PINXĂV
(Pronounced PINK SALVE)

The words "Pronounced Pink Salve" are disclaimed.
For Medicated Preparation, Ointment, or Salve Externally Used on the Skin for the Treatment of Skin Affections, Such as Minor Lacerations, Burns, Cuts, Chapped Skin, Insect Bites, Cold Sores, Blisters, Boils, Sunburn, and Irritations Caused by Chafing.
Claims use since Sept. 1, 1936.

Ser. No. 391,129. JESSE JAY JONES, doing business as Research Products Company, San Antonio, Tex. Filed Apr. 9, 1937.

Lin-gēsic

For External Medicinal Preparation for Human Use; Also a Similar Compound for Veterinary Use—Namely, a Liniment.
Claims use since Mar. 4, 1937.

Ser. No. 391,209. WEBSTER B. ESSEX, Elmhurst, N. Y. Filed Apr. 12, 1937.

FEE GEE

For Hair Tonic.
Claims use since Jan. 8, 1937.

Ser. No. 391,237. ABRAHAM F. MOORE, doing business as A. F. Moore & Company, Worcester Mass. Filed Apr. 12, 1937.

SNOBOY

MAKES CLOTHES WHITE



The words "Makes Clothes White" are disclaimed except as shown.

For Ammonia, Liquid Bluing, and Chemical Preparation for Bleaching, Cleansing, and Softening Water.

Claims use since December, 1936.

Ser. No. 391,286. PINAUD INCORPORATED, doing business as Ed. Pinaud, New York, N. Y. Filed Apr. 13, 1937.

CLUBMAN

For Talcum Powder and Toilet Water.

Claims use since Sept. 19, 1933.

Ser. No. 391,288. PINAUD INCORPORATED, doing business as Ed. Pinaud, New York, N. Y. Filed Apr. 13, 1937.

FLIRT

For Perfume.

Claims use since 1910.

Ser. No. 391,289. PINAUD INCORPORATED, doing business as Ed. Pinaud, New York, N. Y. Filed Apr. 13, 1937.

ROYAL LAVENDER

The word "Lavender" is disclaimed apart from the mark.

For Toilet Water.

Claims use since January, 1900.

Ser. No. 391,418. GUS H. FRENCH, doing business as The Sanex Company, Minneapolis, Minn. Filed Apr. 16, 1937.

FRENNS

For Preparation for Use as a Stomach Preparation and General Tonic.

Claims use since Apr. 8, 1937.

Ser. No. 391,538. MAISON JOUBERT, INC., New York, N. Y. Filed Apr. 19, 1937.

Singapore Nights

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid and Cream Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream and Solid Form, Eyebrow and Eyelash Grower, Eyebrow Pencils, Chemical Preparations Suitable for the darkening of eyebrows and Eyelashes, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch-Hazel, Peroxide, Petroleum Jellies, Witch-Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Apr. 15, 1937.

Ser. No. 391,636. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Apr. 21, 1937.

VEG-RO-SUL

For Insecticides and Preparations for Control of Plant Pests.

Claims use since Mar. 11, 1937.

Ser. No. 391,688. DESHELL LABORATORIES, INC., Chicago, Ill. Filed Apr. 22, 1937.

MUCARA

For Preparations for Use in the Treatment of Constipation.

Claims use since Apr. 5, 1937.

Ser. No. 391,714. SCHERING & GLATZ, INC., New York, N. Y. Filed Apr. 22, 1937.

VASONITRYL

For Medicinal Preparation for the Treatment of Diseases of the Circulatory System.

Claims use since Apr. 16, 1937.

Ser. No. 391,735. B. T. BABBITT, INC., New York, N. Y. Filed Apr. 23, 1937.

LYCONS

For Lye.

Claims use since Apr. 1, 1937.

Ser. No. 391,777. SCHOLLER BROTHERS, INC., Philadelphia, Pa. Filed Apr. 23, 1937.

"DURABOND"

For Textile Treating Composition.

Claims use since Apr. 14, 1937.

Ser. No. 391,808. CALVIN D. GLADWELL, Russell, Ky. Filed Apr. 24, 1937.

GLADWELL LINIMENT



The signature and portrait are those of the applicant. The word "Liniment" is disclaimed.

For Medicinal Preparation for the Treatment of Coughs, Colds, Cuts, Sores, Sprains, Bruises, Rheumatism, Pneumonia, Tuberculosis, Neuralgia.

Claims use since Apr. 14, 1937.

Ser. No. 391,831. WATERBURY CHEMICAL COMPANY, INC., New York, N. Y. Filed Apr. 24, 1937.

CALMAG-NA

For Medicines and Pharmaceutical Preparations—Namely, Preparations for the Treatment of Flatulence, Hyperacidity, Sour Stomach, Gastric Distress, Acidosis, Intestinal Sedatives, Antacids.

Claims use since Apr. 16, 1937.

Ser. No. 391,913. HIRESTRA LABORATORIES, INC., New York, N. Y. Filed Apr. 27, 1937.

SPOROMOR

For Hair Tonic.

Claims use since Dec. 10, 1935.

Ser. No. 391,925. S. B. PENICK & COMPANY, New York, N. Y. Filed Apr. 27, 1937.

Foliafume

For Plant Spray Used as an Insecticide.

Claims use since 1929.

Ser. No. 391,976. SPICER AND COMPANY, Glendale, Calif. Filed Apr. 28, 1937.

TRI-ULMIN

For Preparation for Use as a Gastric and Alimentary Adsorbent and Antacid.

Claims use since Apr. 12, 1937.

Ser. No. 392,048. HELENA RUBENSTEIN, INC., New York, N. Y. Filed Apr. 29, 1937.

English Mist

For Face Lotion and Astringent.

Claims use since Apr. 1, 1937.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 384,973. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Oct. 30, 1936.

Glass Art

The words "Glass Art" are disclaimed apart from the mark.

For Ash Trays and Cigarette Boxes.

Claims use since Nov. 26, 1934.

CLASS 12

Construction Materials

Ser. No. 388,429. THE BRADY SHUTTER COMPANY, LIMITED, Montreal, Canada. Filed Feb. 2, 1937.

BRADY SHUTTER

"Something Better"

No claim is made for the words "Shutter" and "Something Better" apart from the other features of the mark.

For Shutters—Namely, Rolling Doors Used in Trucks, Garages, Factories, and Public Buildings.

Claims use since Sept. 1, 1932.

Ser. No. 390,406. BINNEY & SMITH CO., New York, N. Y. Filed Mar. 23, 1937.

SPECTRACEM

For Carbon Black for Use in the Cement Industry.

Claims use since Mar. 11, 1937.

Ser. No. 390,883. AMERICAN CONCRETE AND STEEL PIPE CO., Los Angeles, Calif. Filed Apr. 2, 1937.

AMERCOAT

For Cementitious Acid Proofing Material for Lining or Coating Steel or Concrete Pipes, Structures, Tanks, Vats, Walls, Floors, Etc.

Claims use since Jan. 1, 1936.

Ser. No. 391,422. GREENPOINT METAL COVERED DOOR COMPANY, Brooklyn, N. Y. Filed Apr. 16, 1937.



The representation of the door is disclaimed apart from the mark.
For Metal Covered Doors.
Claims use since Jan. 4, 1937.

Ser. No. 391,454. ANDRESEN CORPORATION, Chicago, Ill. Filed Apr. 17, 1937.

PLIASTONE

For Bituminous Road Construction Material.
Claims use since Feb. 1, 1937.

Ser. No. 392,005. EGMONT ARENS, doing business as Lilliput Lumber, New York, N. Y. Filed Apr. 29, 1937.



The word "Lumber" is disclaimed apart from the mark.
For Lumber in Small Sizes for Model Making.
Claims use since Feb. 16, 1937.

Ser. No. 392,112. WM. S. STAHL, doing business as Southern California Glass Company, Los Angeles, Calif. Filed Apr. 30, 1937.



For Metal Store Front Constructions, Metal Glass Dividing Bars, Metal Glass Corner Bars, All Metal in Connection with Setting and Installing Plate Glass in Store Fronts and in Divisions or Partitions of Show Cases, Metal Frames for Shower Room Doors, Metal Windows, Metal Track for Sliding Glass Doors.
Claims use since Apr. 1, 1937.

Ser. No. 392,363. INSUL-WOOL INSULATION CORPORATION, Wichita, Kans. Filed May 6, 1937.

INSULWOOL

For Thermal Insulating Material in Bulk Form Made from Paper.
Claims use since Jan. 18, 1937.

Ser. No. 392,454. SMOOTH-ON MANUFACTURING COMPANY, Jersey City, N. J. Filed May 7, 1937.

No.3

For Iron Cement in Paste Form for Making Screw-Thread Joints and Flange Joints, Coating Gaskets, and Sealing Rivets, Seams, and Joints in Boilers and Other Plate Metal Construction.
Claims use since 1908.

Ser. No. 392,455. SMOOTH-ON MANUFACTURING COMPANY, Jersey City, N. J. Filed May 7, 1937.

No.7

For Hydraulic Iron Cement in Powder Form, Used for Waterproofing Concrete, Brick, Stone, or Other Porous Surfaces.
Claims use since 1912.

Ser. No. 392,567. THE UPSON COMPANY, Lockport, N. Y. Filed May 10, 1937.

Artwal

For Wallboard.
Claims use since Mar. 18, 1937.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 390,004. KEWASKUM ALUMINUM COMPANY, Kewaskum, Wis. Filed Mar. 10, 1937.

KEWASKO *Servusweight*

For Aluminum Pots, Pans, Kettles, Percolators, Tea Kettles, Double Boilers, Waterless Cookers, Drip Coffee Pots, Cake Pans, and Pie Plates.
Claims use since June 15, 1936.

Ser. No. 390,975. STAR EXPANSION BOLT COMPANY, New York, N. Y. Filed Apr. 5, 1937.

STARLAG

For Expansion Shields.
Claims use since Sept. 9, 1936.

Ser. No. 391,381. FINDERS MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 15, 1937.

AZA

For Metal Heel Plates, Toe Plates, and Sole Plates.
Claims use since April, 1932.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 390,737. METAL GOODS CORPORATION, St. Louis, Mo. Filed Mar. 31, 1937.

SATINET

For Metal Foil.
Claims use since Jan. 19, 1937.

CLASS 15

Oils and Greases

Ser. No. 390,835. CITIES SERVICE OIL COMPANY, Dover, Del., and Chicago, Ill. Filed Apr. 2, 1937.

CHILLO

For Cutting Oil.
Claims use since April, 1927.

CLASS 16

Paints and Painters' Materials

Ser. No. 385,432. ANDREW AMAYA, San Antonio, Tex. Filed Nov. 12, 1936.



For Preparation Known as a Sealer or Inhibitor and Having Solvent and Surfacing Properties for Sealing and Re-Sealing Varnished, Ducoed, Lacquered, or Enameled Surfaces, and for Treating and Preparing a Varnished or Painted Surface to Permit Application of a Lacquer or Enamel, and also as an Inhibitor of Checking or What Is Commonly Termed "Alligatoring."
Claims use since Nov. 1, 1935.

Ser. No. 390,869. LYNN M. SCOFIELD, doing business as L. M. Scofield Company, Huntington Park, Calif. Filed Apr. 2, 1937.

Lithochrome

For Wax Product for the Preservation and Maintenance of Surfaces.
Claims use since 1927.

Ser. No. 391,621. CARDINAL PAINT CORPORATION, St. Louis, Mo. Filed Apr. 21, 1937.

Cardinal



For Dry, Paste, and Ready-Mixed Paints, Varnish, and Paint Enamels.
Claims use since Feb. 15, 1937.

Ser. No. 391,622. CARDINAL PAINT CORPORATION, St. Louis, Mo. Filed Apr. 21, 1937.

SILVER BOND

For Dry, Paste, and Ready-Mixed Paints, Varnish, and Paint Enamels.
Claims use since Feb. 15, 1937.

Ser. No. 391,708. NATIONAL LEAD COMPANY, San Francisco, Calif., and New York, N. Y. Filed Apr. 22, 1937.

L-T-Z

For Paste Paint.
Claims use since Sept. 1, 1930.

Ser. No. 392,461. VITA-VAR CORP., Newark, N. J. Filed May 7, 1937.

COPPERSEAL

For Ready Mixed Paints.
Claims use since Nov. 7, 1935.

CLASS 17

Tobacco Products

Ser. No. 391,609. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Apr. 21, 1937.

SANDY

For Cigarettes.
Claims use since Mar. 18, 1937.

Ser. No. 394,845. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Apr. 26, 1937.

MENTHOLS

For Cigarettes.
Claims use since Feb. 10, 1937.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 390,375. GLENN L. LARISON, La Grande, Oreg. Filed Mar. 22, 1937.



The word "Equipment" is disclaimed apart from the mark.
For Logging Trailers and Parts Thereof.
Claims use since Feb. 2, 1937.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 387,787. DRAMIN DANIEL JONES, Jersey City, N. J. Filed Jan. 14, 1937.



For Radio Broadcasting Apparatus Such as Transmitters, Rectifiers, Harmonic Filters, Frequency Monitors, and Any and All Component or Accessory Equipment Hereto, Speech Input and Public Address Equipment Such as Microphones, Crystal Couplers for Microphones, Mixing Panels, Pre-Amplifiers and Main Amplifiers, Rack Assemblies; Volume Indicators, Transcription and Recording Equipment, as Well as Special Amplifiers and Instruments of Various Kinds.
Claims use since Jan. 15, 1936.

Ser. No. 391,203. CENTURY LIGHTING, INC., New York, N. Y. Filed Apr. 12, 1937.

WIZARDLITE

For Electrically Operated Light Projectors and Devices for Indoor and Outdoor Illumination.
Claims use since Apr. 5, 1937.

Ser. No. 391,204. CENTURY LIGHTING, INC., New York, N. Y. Filed Apr. 12, 1937.

PROJECT-O-LITE

The words "Project" and "Lite" are disclaimed in and apart of the mark as used.
For Electrically Operated Light Projectors and Devices for Indoor and Outdoor Illumination.
Claims use since Mar. 30, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 388,661. STANDARD NOVELTY WORKS, Duncannon, Pa. Filed Feb. 8, 1937.

LIGHTNING SPEEDSTER

For Child's Express Wagon.
Claims use since Sept. 15, 1924.

Ser. No. 389,614. EDWARD T. MCNANEY, doing business as The Modern Games Mfg. Co., Catonsville, Md. Filed Mar. 3, 1937.

MULTICHEX

For Board Games.
Claims use since Nov. 27, 1936.

Ser. No. 390,177. MOLLY-'ES DOLL OUTFITTERS, INC., Darby, Pa. Filed Mar. 17, 1937.

BABYLAND TOYS

The word "Toys" is disclaimed except as shown.
For Toys—Namely, for Dolls.
Claims use since Feb. 27, 1937.

Ser. No. 390,418. LILY MILLS COMPANY, Shelby, N. C. Filed Mar. 23, 1937.



The words "Strong as a mule" are disclaimed except as shown.
For Fishing Cord.
Claims use since Mar. 1, 1936.

Ser. No. 391,000. THE EMBOSSING COMPANY, Albany, N. Y. Filed Apr. 6, 1937.

FRISKO

For Table Game of Chance.
Claims use since Mar. 2, 1937.

Ser. No. 391,942. BERTHA ALEXANDER, also known as Madame Alexander, doing business as Alexander Doll Company, New York, N. Y. Filed Apr. 28, 1937.

"Neva-Wet"

For Dolls.
Claims use since Feb. 1, 1937.

Ser. No. 392,002. BERTHA ALEXANDER, also known as Madame Alexander, doing business as Alexander Doll Company, New York, N. Y. Filed Apr. 29, 1937.

"Teeny Twinkle"

For Dolls.
Claims use since Feb. 1, 1937.

Ser. No. 392,003. BERTHA ALEXANDER, also known as Madame Alexander, doing business as Alexander Doll Company, New York, N. Y. Filed Apr. 29, 1937.

"Scarlett O'Hara"

The trade-mark is the name of a fictitious character in the book "Gone With the Wind."
For Dolls.
Claims use since Feb. 1, 1937.

Ser. No. 392,004. BERTHA ALEXANDER, also known as Madame Alexander, doing business as Alexander Doll Company, New York, N. Y. Filed Apr. 29, 1937.

"Princess Alexandria"

For Dolls.
Claims use since Feb. 1, 1937.

Ser. No. 392,414. CORTLAND LINE COMPANY, INC., Cortland, N. Y. Filed May 7, 1937.

SMOKE-TONE

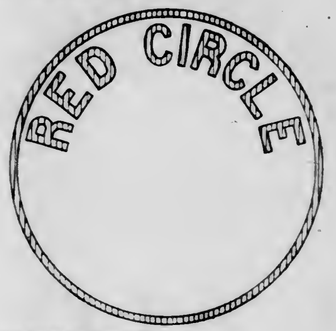
For Tennis Rackets.
Claims use since July 7, 1936.

Ser. No. 392,502. F. W. PLANERT & SONS, INC., Chicago, Ill. Filed May 8, 1937.

PLANERTS

For Ice Skates and Roller Skates.
Claims use since Dec. 31, 1900 on ice skates; since July 1, 1928 on roller skates.

Ser. No. 392,505. ARTHUR W. SKIDMORE, Bridgeport, Conn. Filed May 8, 1937.



The drawing is lined for red.
For Duck Pins and Ten Pins.
Claims use since July 1, 1935.

Ser. No. 392,720. THE SUN RUBBER COMPANY, Barberton, Ohio. Filed May 13, 1937.

"WET-UMS"

For Wetting Dolls.
Claims use since May 6, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 388,184. CONSOLIDATED RAZOR BLADE CO. INC., Jersey City, N. J. Filed Jan. 26, 1937.

Tissue-Thin

The word "Thin" is disclaimed apart from the mark.
For Razor Blades.
Claims use since Jan. 5, 1937.

Ser. No. 389,384. SOCIÉTÉ GENEVOISE D'INSTRUMENTS DE PHYSIQUE, Geneva, Switzerland. Filed Feb. 25, 1937.

Hydroptic

For High Precision Machine Tools, Especially Jig Boring, Drilling, Milling, and Grinding Machines.
Claims use since Sept. 30, 1935.

Ser. No. 389,730. THE GALION METALLIC VAULT COMPANY, doing business as Hercules Steel Products Company, Galion, Ohio. Filed Mar. 6, 1937.

SUPER-POWER

The word "Power" is disclaimed apart from the mark.
For Hoists.
Claims use since Sept. 1, 1936.

Ser. No. 389,831. FELIX LILIENTHAL & Co., INC., New York, N. Y. Filed Mar. 9, 1937.

I·M·C

For Razor Blades.
Claims use since Nov. 1, 1936.

Ser. No. 389,832. FELIX LILIENTHAL & Co., INC., New York, N. Y. Filed Mar. 9, 1937.

J. M. C.

For Carpet Sweepers.
Claims use since Nov. 1, 1936.

Ser. No. 390,312. CHARLES W. DIECKMANN, doing business as The Specialty Manufacturers Sales Co., Chicago, Ill. Filed Mar. 20, 1937.

TRIUMPH

For Meat Grinder Knives and Meat Grinder Plates.
Claims use since Jan. 3, 1933.

Ser. No. 390,893. AVERY FARM MACHINERY COMPANY, Peoria, Ill. Filed Apr. 3, 1937.

Harvest-All

For Harvest-Thresher Combines.
Claims use since Feb. 18, 1937.

Ser. No. 390,950. THE COLORADO FUEL AND IRON CORPORATION, Denver, Colo. Filed Apr. 5, 1937.



Trade-mark consists of a silver strip or tip applied to opposite ends of a grader blade. The representation of a grader blade is disclaimed.
For Grader Blades.
Claims use since Mar. 10, 1937.

Ser. No. 391,254. WHITIN MACHINE WORKS, Whitinsville, Mass. Filed Apr. 12, 1937.



The words "Draft System" are disclaimed except as shown.
Applicant claims ownership of U. S. Registered Trade-Marks Ct. #121,375 and Ct. # 320,322.
For Roving Frames and Spinning Frames.
Claims use since Mar. 19, 1937.

Ser. No. 391,853. CONTINENTAL BLADE CORPORATION, Brooklyn, N. Y. Filed Apr. 26, 1937.

REVERE

For Razors and Razor Blades.
Claims use since June 20, 1935.

Ser. No. 391,860. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa. Filed Apr. 26, 1937.

CUTALOY

For Drawing, Extruding, Burnishing, and Sizing Dies, Tools for Turning, Boring, Planing, Slotting, Threading, Chasing, Broaching, Knurling, Drilling, Milling, Reaming, Punching, Shearing, Scratching, Filing, Scraping, Spinning, Rolling, Sawing, Stamping, Piercing, Extruding, Tapping, and Chiseling, Primarily Intended for Application by Hand and Machine to the Workable Materials Such as Metal, Wood, Stone, Glass, etc.
Claims use since Apr. 15, 1937.

Ser. No. 391,975. K. D. SMITH, Battle Creek, Mich. Filed Apr. 28, 1937.

HOMOLIZER

For High Pressure Pumps.
Claims use since Feb. 1, 1937.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 370,304. GENERAL RADIO COMPANY, Cambridge, Mass. Filed Oct. 12, 1935.

STROBOTAC

For Stroboscopic Tachometers.
Claims use since Apr. 18, 1935.

Ser. No. 391,038. THE PRINTMASTER CORPORATION, Philadelphia, Pa. Filed Apr. 7, 1937.

PRINTMASTER

For Photographic Reproducing Machines.
Claims use since Dec. 1, 1936.

Ser. No. 391,836. THE GEO. WORTHINGTON COMPANY, Cleveland, Ohio. Filed Apr. 24, 1937.

TRAIL BLAZER

For Vernier Calipers, Vernier Height Gauges, Vernier Depth Gauges, Micrometers, Engineers' Taper Gauges, Engineers' Wire Gauges, and Engineers' Thickness Gauges, Steel Rules, and Center Gauges.
Claims use since Sept. 1, 1936.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 389,305. CHASE RAND CORPORATION, New York, N. Y. Filed Feb. 24, 1937.

Rings of Elegance

CRE

The words "Rings of Elegance" are disclaimed apart from the mark.
For Finger Rings.
Claims use since Feb. 2, 1937.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 391,811. HANLON & GOODMAN CO., Belleville, N. J. Filed Apr. 24, 1937.



The words "Best Blend" are disclaimed apart from the mark.
For Brushes, Particularly Paint Brushes.
Claims use since Apr. 2, 1937.

CLASS 31

Filters and Refrigerators

Ser. No. 391,862. FORDSON EXPORT CORPORATION, Detroit, Mich. Filed Apr. 26, 1937.

FORDSON

For Refrigerators.
Claims use since Dec. 5, 1936.

Ser. No. 391,891. ANTON C. SCHMELZER, Lakewood, Ohio. Filed Apr. 26, 1937.

CŌNICE

For Ice-Trays.
Claims use since Apr. 1, 1937.

Ser. No. 392,257. CHERRY-BURRELL CORPORATION, Chicago, Ill. Filed May 4, 1937.

CHERRY-BURRELL

For Ice Cream Freezers, Water Coolers, Cabinet Coolers, Filters, and Strainers.
Claims use since January, 1932.

CLASS 32

Furniture and Upholstery

Ser. No. 383,237. TOMLINSON OF HIGH POINT, High Point, N. C. Filed Sept. 14, 1936.

TOMLINSON
Old English
Mahogany
FINISH

The phrase "Old English Mahogany Finish" is disclaimed apart from the showing in the mark.

For Articles of Furniture—Namely, Buffets, Dining Tables, Serving Tables, China Cabinets, Corner Cabinets, Mirrors, Dining Chairs, Sofas, Short Sofas, Club Chairs, Wing Chairs, Barrel Chairs, Occasional Chairs, Desk Chairs, Benches, Beds, Dressers, Vanities, Dressing Tables, Chests, Chests on Chests, Night Tables, Bed Room Chairs, Bed Room Benches, High Boys, Low Boys, Secretaries, Desks, Coffee Tables, Card Tables, End Tables, Lamp Tables, Pier Tables, Tilt Top Tables, Drop Leaf Tables, Chairside Tables, Butlers' Tables, Reading Stands, Arm Chairs, Writing Tables, Console Tables, Stools, Long Stools, Cupboards, Bookcases, Couches, Day Beds, Folding Tables, Sideboards, Cradles, Sofa Tables, Stands, Window Seats, Bureaus, Dressing Screens and Panels Therefor.

Claims use since July 27, 1935.

Ser. No. 384,255. C. V. HILL & COMPANY, INC., Trenton, N. J. Filed Oct. 12, 1936.

HILL

The lining in the drawing indicates blue color; however, the mark is not limited to this color.

For Store Fixtures and Particularly Cashiers' Booths, Counters, and Vegetable Stands.

Claims use since August, 1933.

Ser. No. 389,673. BULLOCK'S, INC., Los Angeles, Calif. Filed Mar. 5, 1937.

TROPICAL MODERN

The word "Modern" is disclaimed apart from the mark.

For Beds, Chests of Drawers, Vanity Dressers, Dressers, Dressing Tables, Night Tables, Benches, Console Tables, End Tables, Coffee Tables, Occasional Tables, Desks, Chairs, Sofas, Dining Tables, Dinette Tables, Dining Chairs, and Card Tables.

Claims use since Feb. 5, 1937.

Ser. No. 390,398. J. N. ADAM & Co., Buffalo, N. Y. Filed Mar. 23, 1937.

Virginia Galleries

For Articles of Furniture—Namely, Beds, Dressing Tables, Dressers, Benches, Chests, Bed Room Chairs, Night Tables, Highboys, Lowboys, Vanities, Desks, Card Tables, End Tables, Coffee Tables, Secretaries, Pier Tables, Tilt Top Tables, Chair Side Tables, Reading Stands, Writing Tables, Console Tables, Stools, Arm Chairs, Cupboards, Book Cases, Couches, Day Beds, Sideboards, Stands, Cradles, Sofa Tables, Window Seats, Folding Tables, Bureaus, Dressing Screens, Drop Leaf Tables, Desk Chairs, Barrel Chairs, Wing Chairs, Club Chairs, Occasional Chairs, Dining Room Chairs, Dining Tables, Serving Tables, China Cabinets, Mirrors and Sofas.

Claims use since Mar. 11, 1937.

CLASS 33

Glassware

Ser. No. 390,498. BINSWANGER & COMPANY, INC., Greensboro, N. C. Filed Mar. 25, 1937.

GLOTEX

For Glass in Sheets.

Claims use since September, 1936.

CLASS 36

Musical Instruments and Supplies

Ser. No. 369,189. HADDORFF PIANO COMPANY, Rockford, Ill. Filed Sept. 11, 1935.

Vertichord

For Pianos.

Claims use since May 3, 1935.

Ser. No. 391,962. MASTER RECORDS, INC., New York, N. Y. Filed Apr. 28, 1937.

Master
FOLLOW THE MASTER

For Phonograph Records and Record Blanks.

Claims use since Mar. 27, 1937.

CLASS 37

Paper and Stationery

Ser. No. 372,051. EDUCATIONAL PRESS, INC., New York, N. Y. Filed Nov. 27, 1935.

Ditty Book of a Shell-Back

The word "Book" is disclaimed apart from the mark.

For Scrap Books.

Claims use since Aug. 20, 1935.

Ser. No. 374,826. SAMUEL GESSLER, Chicago, Ill. Filed Feb. 14, 1936.

SAM. GESSLER'S '26' GAME

The word "Game" is disclaimed apart from the mark.

For Blank Score Books.

Claims use since February, 1935.

Ser. No. 389,627. AMERICAN LITHOFOLD CORPORATION, St. Louis, Mo. Filed Mar. 4, 1937.

LITHOFOLD

For Manifold Sheets.

Claims use since Sept. 26, 1936.

Ser. No. 390,586. COOPERATIVE SALES AGENCY, Los Angeles, Calif. Filed Mar. 27, 1937.

WITE-FLOS

For Toilet Paper.

Claims use since Sept. 3, 1936.

Ser. No. 390,999. M. M. ELISH & Co., INC., New York, N. Y. Filed Apr. 6, 1937.

TINTO

For Printing Paper, Cardboard, and Coated and Uncoated Bristolboard.

Claims use since March, 1933.

Ser. No. 391,068. THE HEINN COMPANY, Milwaukee, Wis. Filed Apr. 8, 1937.

"Protecto Process"

The word "Process" is disclaimed apart from the mark.

For Loose Leaf Binders.

Claims use since Mar. 10, 1937.

Ser. No. 391,552. FRANK M. SAYFORD CO., INC., Brooklyn, N. Y. Filed Apr. 19, 1937.

COROBUFF

For Corrugated Paper, Glassine Material, Greaseproof Paper, and Bond Paper.

Claims use since Jan. 15, 1930.

Ser. No. 392,128. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed May 1, 1937.

PAyons

For Crayons.

Claims use since Apr. 20, 1937.

Ser. No. 392,143. HAN-TEC, INC., Cleveland, Ohio. Filed May 1, 1937.

HAN-TEC

For Wall Paper and Wall Coverings.

Claims use since Mar. 13, 1933.

Ser. No. 392,160. NASHUA PACKAGE SEALING CO., INC., Nashua, N. H. Filed May 1, 1937.

PAKAGER

For Devices and Appliances for Moistening or Dispensing Adhesive or Gummed Tape, Wrappers, Labels, and the Like, Sheet or Strip Material Particularly for Container and Package Sealing, Wrapping, Securing, Labeling, and the Like Purposes.

Claims use since March, 1937.

CLASS 38

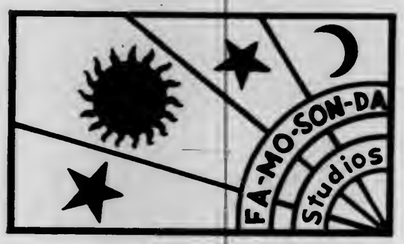
Prints and Publications

Ser. No. 385,834. THE DENVER AND RIO GRANDE WESTERN RAILROAD COMPANY, Denver, Colo. Filed Nov. 21, 1936.



For Booklets or Pamphlets Published from Time to Time.
Claims use since April, 1936.

Ser. No. 389,777. WENDELL A. DONALDSON, doing business as Fa-Mo-Son-Da Studios, New York, N. Y. Filed Mar. 8, 1937.



For Astrological Information Pamphlets and Astrological Analysis Charts.
Claims use since Feb. 10, 1937.

Ser. No. 390,832. BRADFORD DYEING ASSOCIATION, U. S. A., Bradford, R. I. Filed Apr. 2, 1937.

FINISHING TOUCH

For Monthly Publication Containing Editorial Text of Interest to Manufacturers of Men's Clothing and Men's Wear in General.
Claims use since Feb. 1, 1937.

Ser. No. 391,096. FRANK B. SMITH, Hyattsville, Md. Filed Apr. 8, 1937.

THE PRINCE GEORGEAN

For Weekly Newspaper.
Claims use since August, 1917.

Ser. No. 391,416. CONRAD P. EDWARDS, Providence, R. I. Filed Apr. 16, 1937.

Pep

For Postage Stamps.
Claims use since October, 1936.

Ser. No. 391,785. WESTERN BUSINESS PAPERS, INC., Los Angeles, Calif. Filed Apr. 23, 1937.

GAS

For Periodical.
Claims use since March, 1936.

CLASS 39

Clothing

Ser. No. 374,643. SEATTLE QUILT MANUFACTURING COMPANY, INC., Seattle, Wash. Filed Feb. 10, 1936.

COMFY

For Sleeping Bags.
Claims use since Jan. 1, 1917.

Ser. No. 376,495. HENRY ROSE STORES, INC., New York, N. Y. Filed Mar. 27, 1936.

Rosecraft

For Children's and Misses' Wearing Apparel—Namely, Coats, Suits, Dresses, and Jackets, With or Without Fur Trimmings.
Claims use since Feb. 20, 1936.

Ser. No. 378,922. ARTISTIC FOUNDATIONS, INC., New York, N. Y. Filed May 27, 1936.

twin control

The word "Control" is disclaimed apart from the mark.
For Corsets and Brassières.
Claims use since March, 1935.

Ser. No. 381,741. MEYER LIPSCHITZ, New York, N. Y. Filed July 30, 1936.



The words appearing in the drawing are in the Hebrew language and the true translation thereof is as follows:—"And I will carry you upon the wings of eagles. I am wrapping my body in fringed garments. And the Taloth (praying mantle) shall spread its wings over them. (The) Taloth (praying mantle) (that) lightens the eyes of Israel." I make no claim to the above words apart from the mark shown in the drawing; I disclaim the right to the exclusive use of the picture of the prayer shawl which appears in the drawing.
For Hebrew Prayer Clothes—Namely, Shawls, Mantles, and Robes.
Claims use since Jan. 1, 1934.

Ser. No. 382,284. SCHLOSS BROS. & CO., INC., Baltimore, Md. Filed Aug. 17, 1936.

IMPERIAL KASHAN

The word "Kashan" is disclaimed apart from the mark.
For Men's, Young Men's, Boys', and Children's Wearing Apparel—Namely, Suits, Coats, Vests, Trousers, Knickers, Full Dress Suits, Tuxedos, Coats, Vests, and Trousers Classed as Sportswear; Slacks, Raincoats, Overcoats, Top Coats, Leather Bloused Jackets, Leather Jackets, Sweaters; Boys' Wash Suits and Blouses, Hosiery, Neckties, Scarfs and Mufflers; Gloves Made of Leather, Fabric, and Rubber and/or Combinations Thereof; Bath Robes, and Lounging Robes.
Claims use since Feb. 28, 1933.

Ser. No. 382,932. SCHLOSS BROS. & CO., INC., Baltimore, Md. Filed Sept. 4, 1936.

ARTIK-AIRE

For Men's, Young Men's, and Boys' Wearing Apparel—Namely, Suits, Coats, Vests, Trousers, Knickers, Raincoats, Overcoats, Top Coats, Bath Robes, Lounging Robes, Full Dress Suits, Tuxedo Suits, Hosiery, Neckties, Scarfs, Mufflers, Underwear; Gloves Made of Leather, Fabric, and Rubber and/or Combinations Thereof; Dress, Negligee, and Work Shirts; Vests, Trousers, and Slacks for Sports Wear; and Boys' Wash Suits and Blouses.
Claims use since Dec. 17, 1928.

Ser. No. 383,145. THE STETSON SHOE COMPANY, INC., Weymouth, Mass. Filed Sept. 11, 1936.

GAYFRIAR

For Leather Boots and Shoes.
Claims use since Jan. 15, 1936.

Ser. No. 384,994. CRADDOCK TERRY COMPANY, Lynchburg, Va. Filed Oct. 31, 1936.

Harmony Tread
NOTEWORTHY FOOTWEAR

The expressions "Tread" and "Noteworthy Footwear" are disclaimed except as shown.
For Shoes Made of Leather, Fabric, or Rubber, or a Composition of Leather, Fabric, or Rubber.
Claims use since Feb. 14, 1936.

Ser. No. 388,324. THE LOOM-TEX CORPORATION, New York, N. Y. Filed Jan. 29, 1937.

PEP-TEX

For Women's and Children's Panties, Bloomers, Slips, and Night Gowns.
Claims use since June 15, 1935.

Ser. No. 388,325. THE LOOM-TEX CORPORATION, New York, N. Y. Filed Jan. 29, 1937.

Fruit Ray Fabric

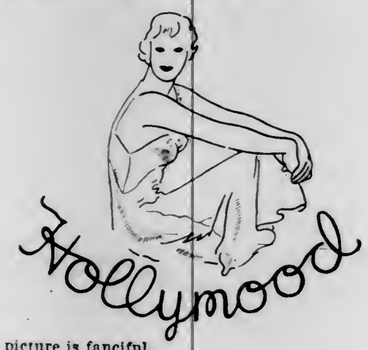
The word "Fabric" is disclaimed apart from the mark.
For Women's and Children's Panties, Bloomers, Slips, and Night Gowns.
Claims use since June 15, 1935.

Ser. No. 388,726. RUBIN WEISSMAN, doing business as Porto Shoe Sales Co., New York, N. Y. Filed Feb. 10, 1937.

THE DOKTO-MATIK SHOE

The word "Shoe" is disclaimed.
For Leather Shoes.
Claims use since Feb. 1, 1937.

Ser. No. 389,127. HOLLYWOOD GARMENT CORPORATION, Los Angeles, Calif. Filed Feb. 19, 1937.



The picture is fanciful.
For Ladies' Slips.
Claims use since Jan. 12, 1937.

Ser. No. 389,156. M. & D. SIMON CO., Cleveland, Ohio. Filed Feb. 19, 1937.

Sincere

For Pajamas, Work Shirts, Polo Shirts, Neckties, Scarfs, and Mufflers.
Claims use since Jan. 1, 1933.

Ser. No. 389,618. THE PERMAN COMPANY, INC., New York, N. Y. Filed Mar. 3, 1937.

Perlington

For Ladies' and Men's Outer Clothing—Namely, Skirts, Blouses, Waists, Dress Shirts, Negligee Shirts, Sport Shirts, Suits, Jackets, Coats, Overcoats, Topcoats, Men's Collars, Neckties, Scarfs, and Socks.
Claims use since Jan. 2, 1937.

Ser. No. 389,641. GRAY BROS., INC., Syracuse, N. Y. Filed Mar. 4, 1937. Under 10-year proviso.

Gray Bros. Syracuse N. Y.

For Boots and Shoes Made of Leather, Fabric, Composition, or Combinations Thereof.
Claims use since 1865.

Ser. No. 389,916. IMPERIAL UNDERGARMENT CO., New York, N. Y. Filed Mar. 11, 1937.

MISS PARK AVENUE TRADE MARK

The words "Trade Mark" are disclaimed except as shown.
For Ladies' Negligees, Slips, Bloomers, Panties, Chemises, Nightgowns, Undershirts, Undervests, Underdrawers, Lounging Robes, Pajamas, and Bed Jackets Made of Silk, Rayon, and Textile Fabrics.
Claims use since Mar. 1, 1937.

Ser. No. 389,918. F. A. KUHNERT SHOE CORP., Rochester, N. Y. Filed Mar. 11, 1937.

ADDUCTORS

For Misses' and Children's Shoes Made of Leather.
Claims use since Feb. 12, 1937.

Ser. No. 389,934. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del.; New York, Brooklyn, and Buffalo, N. Y.; and Philadelphia, Pa. Filed Mar. 11, 1937.

Super Satin

The word "Satin" is disclaimed apart from the mark.
For Women's and Misses' Underwear, Slips, Chemises, Panties, Negligees, Dresses, Blouses, and Corsets.
Claims use since Mar. 8, 1937.

Ser. No. 390,254. BERNARD TROUB & COMPANY, INC., New York, N. Y. Filed Mar. 18, 1937.

Oxford Song

For Men's, Women's, and Children's Pajamas and Nightgowns.
Claims use since Feb. 18, 1937.

Ser. No. 390,270. HANAN & SON, INC., New York, N. Y. Filed Mar. 19, 1937.

HANAN Picton MODELS

The words "Piston" and "Models" are disclaimed except as shown. Applicant is owner of T. M. Reg. No. 96,011 (renewed) effected under the 10-year proviso.
For Shoes Made of Leather or Fabric, or Combinations Thereof.
Claims use since Feb. 2, 1937.

Ser. No. 390,462. MAY DEPARTMENT STORES COMPANY, New York, N. Y. Filed Mar. 24, 1937.

BARBARA - MAY

For Women's, Misses' and Children's Shoes Made of Leather or Fabric or a Combination of Those Materials.
Claims use since Feb. 15, 1937.

Ser. No. 390,578. GLUCK & COHEN, New York, N. Y. Filed Mar. 27, 1937.

BRA-ZIP

The word "Bra" is disclaimed except as shown.
For Ladies' Slips.
Claims use since Feb. 1, 1937.

Ser. No. 390,580. ARTISTIC FOUNDATIONS, INC., New York, N. Y. Filed Mar. 27, 1937.

FLEXZIP

For Girdles, Corsets, and Brassières, and Combinations Thereof.
Claims use since February, 1936.

Ser. No. 391,077. EVA LIPSHITZ, doing business as Lacov Underwear Company, New York, N. Y. Filed Apr. 8, 1937.

ZIP-TITE

Pantee

The words "Tite" and "Pantee" (phonetically) are disclaimed apart from the mark.
For Underwear in the Nature of Panties, Bloomers, and Step-Ins.
Claims use since Feb. 20, 1937.

Ser. No. 391,229. LAROS TEXTILES COMPANY, Bethlehem, Pa. Filed Apr. 12, 1937.

LaBARR

For Children's Vests, Bloomers, Pyjamas, Panties, Union Suits, Undershirts, Slips, Slipovers (Petticoats) and Nighties Made of Cotton, Wool, Silk, Rayon and/or Mixed Silk and Rayon; Ladies' Vests, Stepins (Underdrawers), Bloomers, Chemises, Pyjamas, Panties, Combinettes, (Combination of Bandeau and Either Bloomers or Drawers), Slips, Nightgowns, Bandeaux or Brassières, Lounging Robes, Dance Sets (Combination of Brassière and Panties), and Union Suits Made of Cotton, Wool, Silk, Rayon and/or Mixed Silk and Rayon.
Claims use since Jan. 1, 1937.

Ser. No. 391,244. ROBINSON MANUFACTURING CO., Dayton, Tenn. Filed Apr. 12, 1937.

KOOL KING

The word "Kool" is disclaimed apart from the mark.
For Men's Woven Athletic Underwear.
Claims use since Sept. 25, 1936.

Ser. No. 391,411. WEMBLEY CRAVAT CO., INC., New Orleans, La. Filed Apr. 16, 1937.

Wembleytown

For Neckties.
Claims use since July 1, 1935.

Ser. No. 391,890. SALTA KNITTING MILLS, INC., New York, N. Y. Filed Apr. 26, 1937.

Nubléne

For Women's Sport Apparel—Namely, Knitted Coats, Sweaters, Skirts, Blouses, Dresses, and Capes.
Claims use since Mar. 26, 1937.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 378,404. WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed May 13, 1936.

BEAU KNOT

For Artificial Flowers, Braids, Passementeries; the Following Not Made of Precious Metal—Buttons, Combs, Buttonhooks (Eyelet and Lacing Hooks for Shoes), Pins, Safety Pins, Shoulder Strap Holders; Pin Cushions, Shoe Laces, Cushions for Shoe Vamps, Dress Shields, Narrow Elastic Webbing, Galloons and Drapery Plait-Forming De-

vices of Fabric; Non-Electrical Hair Wavers, Hair Primpers, and Hair Curlers; Fabric Labels; Needles for Hand Use; Patches and Swatches of Textile Fabric; Snap Fasteners; Hooks and Eyes; Rosettes, Lingerie and Shoulder Straps; Switches Made of Human Hair; Bias Tape and Bias Trimming; Narrow Webbing; and Wrist Watch Straps.

Claims use since October, 1931.

Ser. No. 390,867. ROCHESTER BUTTON COMPANY, Rochester, N. Y. Filed Apr. 2, 1937.

DUOHORN

The word "Horn" is disclaimed except as shown.

For Buttons of Plastic Compounds Other Than Precious Metals, Including Casein Compounds and Synthetic Compounds Such as Phenol and Formaldehyde.

Claims use since Mar. 19, 1937.

Ser. No. 390,923. S. H. KRESS AND COMPANY, New York, N. Y. Filed Apr. 3, 1937.

CAVALIER

For Binding and Finishing Tapes, Hooks and Eyes, Camisole Shoulder Straps, Braids, Kid Hair Curlers, Buttons (Pearl and Fancy, Not Made of Precious Metal), Needles For Hand Use, Snap Fasteners, Combs of All Kinds Not Made of Precious Metal, All Kinds of Hairpins Not Made of Precious Metal; Bobby Pins or Clasps in Metal or Celluloid; Dress Shields, Bias Seam Tapes, Narrow Elastics, Common Pins and Safety Pins Not Made of Precious Metal, and Wrist Watch Straps.

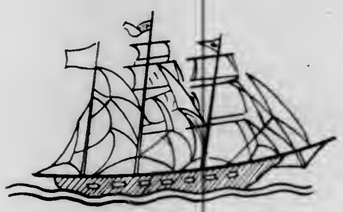
Claims use since Oct. 13, 1919.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 387,418. SPINNING WHEEL RUGS, INC., New York, N. Y. Filed Dec. 30, 1936.

CLIPPER SHIP



For Hooked Rugs.

Claims use since Sept. 7, 1936.

Ser. No. 389,633. BLOOMSBURG SILK MILL, New York, N. Y. Filed Mar. 4, 1937.

Crepe PERSUADE

The word "Crepe" is disclaimed apart from the mark.

For Rayon Piece Goods of Acetate and Viscose.

Claims use since Feb. 1, 1937.

Ser. No. 390,902. CONSOLIDATED SLIPPER CORP., Bombay, N. Y. Filed Apr. 3, 1937.

Electrokeyz

For Imitation Electrified Wool Material of a Cotton, Rayon, and Wool Mixture, in the Piece.

Claims use since Dec. 2, 1935.

Ser. No. 391,555. TRAUB-LYONS, INC., New York, N. Y. Filed Apr. 19, 1937.

Mother's Day PRINTS

The word "Prints" is disclaimed apart from the mark.

For Textile Fabrics (Piece Goods), and Particularly Printed Fabrics.

Claims use since Mar. 30, 1937.

Ser. No. 391,591. JOSEPH D. SHAKOW, INC., New York, N. Y. Filed Apr. 20, 1937.

FATHER BERNARD R. Hubbard & J CLOTH

The word "Cloth" is disclaimed apart from the mark.

For Textile Fabrics in the Piece Made of Cotton, Silk, Wool, Worsted and Artificial Thread Yarns.

Claims use since Mar. 29, 1937.

Ser. No. 391,562. ARTHUR S. HEIMAN, New York, N. Y. Filed Apr. 23, 1937.

HYBRAND

For Rayon Piece Goods.

Claims use since Apr. 10, 1937.

Ser. No. 391,867. INTERNATIONAL LOOMS, INC., New York, N. Y. Filed Apr. 26, 1937.

LOOM-PAK

For Carpets, Rugs, and Upholstery Fabrics.

Claims use since Feb. 27, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 376,907. ISAAC BERT KRONENBERG, doing business as American Physicians Specialties Co., Baltimore, Md. Filed Apr. 7, 1936.

SYFOGEN NASO-THERAPY UNIT

The words "Naso-Therapy Unit" apart from the mark and the representation of the goods per se are disclaimed.

For Medical Apparatus for Irrigating, Medicating, and/or Treating the Human Nose Passages, Throat, and Sinus.

Claims use since January, 1933.

Ser. No. 391,618. THE BURDICK CORPORATION, Milton, Wis. Filed Apr. 21, 1937.

MAGNETHERM

For Equipment for Producing High Frequency Currents for Therapeutic Uses.

Claims use since Jan. 1, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 390,944. TOLERTON & WARFIELD COMPANY, doing business as Robb-Ross Company, Sioux City, Iowa. Filed Apr. 3, 1937.

ZEPHYR

For Summer Soft Drink Preparations, Flavorings, Extracts, and Syrups.

Claims use since Apr. 1, 1936.

Ser. No. 392,072. ABSOPURE WATER COMPANY, INC., Detroit, Mich. Filed Apr. 30, 1937.

Absopure

For Distilled Water and Natural Mineral Spring Water.

Claims use since 1908.

Ser. No. 392,086. CLOVER LEAF PRODUCTS COMPANY, Los Angeles, Calif. Filed Apr. 30, 1937.

"HERE'S HOW"

For Nonalcoholic Beverages.

Claims use since Mar. 1, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 332,758. COLUMBIA REFINING COMPANY, INC., New Orleans, La. Filed Dec. 5, 1932.

OLE MAMMY



For Table Syrup.

Claims use since 1926.

Ser. No. 373,570. THE LOCKEPORT COMPANY, LIMITED, Lockeporte, Nova Scotia, Canada. Filed Jan. 11, 1936.



No claim is made to any words except "Seacap" apart from the mark.

For Salt, Fresh, Frozen, and Smoked Fish of All Varieties.

Claims use since Dec. 1, 1934.

Ser. No. 376,246. L. N. MCDOWELL, Long Beach, Calif. Filed Mar. 21, 1936.



The word "Bar" is disclaimed apart from the mark.

For Frozen Confections—Namely, Ices.

Claims use since Nov. 1, 1934.

Ser. No. 385,391. BRENTWOOD PRODUCE ASSOCIATION, Brentwood, Calif. Filed Nov. 11, 1936.



The outline of the label is disclaimed. The picture is one of George Gordon, Lord Byron, famous British poet, now deceased.

For Fresh Citrus Fruits, Fresh Deciduous Fruits, and Fresh Vegetables.

Claims use since Oct. 23, 1935.

Ser. No. 385,399. EUGENIO GONZALEZ & COMPANHIA (FILHO), Lisbon, Portugal. Filed Nov. 11, 1936.

OLIVEIRA

For Pure Olive Oil.

Claims use since Oct. 28, 1931.

Ser. No. 385,400. EUGENIO GONZALEZ & COMPANHIA (FILHO), Lisbon, Portugal. Filed Nov. 11, 1936.

FADO

For Pure Olive Oil.

Claims use since May 8, 1929.

Ser. No. 385,401. EUGENIO GONZALEZ & COMPANHIA (FILHO), Lisbon, Portugal. Filed Nov. 11, 1936.



The representation of the label and all wording except "Oliveira" and applicant's name are disclaimed apart from the mark.

For Pure Olive Oils.

Claims use since Sept. 4, 1924.

Ser. No. 385,402. EUGENIO GONZALEZ & COMPANHIA (FILHO), Lisbon, Portugal. Filed Nov. 11, 1936



The words "Marca Registrada" are hereby disclaimed apart from the mark as shown on the drawing.

For Pure Olive Oils.

Claims use since May 8, 1929.

Ser. No. 386,716. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y. Filed Dec. 14, 1936.



Applicant is the owner of Trade-Marks 18,571 and 110,848. The word "Gelatin" is disclaimed apart from the mark.

For Edible Gelatine.

Claims use since Aug. 16, 1933.

Ser. No. 387,173. CHARLESTON MILLING COMPANY, Charleston, W. Va. Filed Dec. 28, 1936.



The coloring of the mark is as follows: All the diagonal lining is black lines showing against a red background except the broadest of the single lines shown as white are colored orange. The background and predominant color is red except the squares embracing the intersections of said broadest single lines which squares are blue. The inner and outer defining lines of the mark are blue.

For Poultry Feed.

Claims use since Nov. 1, 1936.

Ser. No. 387,777. CHARLESTON MILLING COMPANY, Charleston, W. Va. Filed Jan. 14, 1937.



The coloring of the mark is as follows: All the fine lining is black lines, both criss-cross and single parallel lines, showing against the yellow background. The broader single lines are red, and the broader double lines, that is, those extending in pairs, are yellow. The background and predominant color is yellow except the squares embracing the intersections of said broader double lines, which squares are solid black. The inner and outer defining lines of the mark are black.

For Wheat Flour.

Claims use since November, 1936

Ser. No. 388,847. NATURAL SUGARS, INC., New York, N. Y. Filed Feb. 12, 1937.

EARLY MORN

For Molasses and Fruit Syrups for Food Purposes.

Claims use since Mar. 5, 1935, on molasses; since May 2, 1936, on fruit syrup.

Ser. No. 389,765. THE LEVERING COFFEE COMPANY, Baltimore, Md. Filed Mar. 4, 1937.

CRESTA

For Baking Powder and Corn Starch and Tea.

Claims use since Feb. 24, 1937.

Ser. No. 390,058. B. FISCHER & COMPANY, INC., New York, N. Y. Filed Mar. 15, 1937.

QUEEN QUALITY

The word "Quality" is disclaimed apart from the mark.

For Coffee, Tea, and Spices.

Claims use since April, 1903, on spices and tea; since October, 1903, on coffee.

Ser. No. 390,346. ALLIED MILLS, INC., Chicago, Ill. Filed Mar. 22, 1937.

Economy

For Dog Food.

Claims use since Jan. 19, 1937.

Ser. No. 390,608. RICHEY & GILBERT CO., Yakima, Wash. Filed Mar. 27, 1937.



The words "Pack" and "Apple" are disclaimed apart from the mark.

For Fresh Deciduous Fruits—Namely, Fresh Apples.

Claims use since Aug. 31, 1935.

Ser. No. 391,413. BLOCH & GUGGENHEIMER INC., Long Island City, N. Y. Filed Apr. 16, 1937.

Ban'G

For Pickles, Mixed Pickles, Dill Pickles, Pickle Relish, Sweet Gherkins, Pickled Onions, Pepper Relish, Pickled Cherry Peppers, Chow Chow, and Sandwich Spread.
Claims use since Jan. 2, 1937.

Ser. No. 391,514. FRED H. BARKER, doing business as Barker Products Company, Long Beach, Calif. Filed Apr. 19, 1937.



The outline of the package and the words "Product", "Puree of Pea Soup", and "Seasoned" are disclaimed apart from the mark.
For Dehydrated and Processed Soup.
Claims use since Feb. 20, 1936.

Ser. No. 391,532. INDEX MUTUAL ASSOCIATION, La Habra, Calif. Filed Apr. 19, 1937.

INDEX SUPREME

For Fresh Citrus Fruit.
Claims use since Oct. 17, 1916.

Ser. No. 391,629. B. A. ECKHART MILLING CO., Chicago, Ill. Filed Apr. 21, 1937.

DADDY DOLLAR

For Wheat Flour.
Claims use since 1878.

Ser. No. 391,960. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis. Filed Apr. 28, 1937.

COKAY

For Cocoa.
Claims use since October, 1[illegible]

Ser. No. 392,103. NEW ENGLAND FISH COMPANY, Seattle, Wash. Filed Apr. 30, 1937.

SEAFISHER

For Canned Fish—Namely, Canned Salmon.
Claims use since Mar. 9, 1937.

Ser. No. 392,258. CITRUS PRODUCTS, INC., Olive, Calif. Filed May 4, 1937.

PAR GOLD

For Canned Citrus Juices for Food Purposes.
Claims use since Mar. 13, 1937.

CLASS 47

Wines

Ser. No. 377,191. MONARCH WINE CO., INC., New York, N. Y. Filed Apr. 14, 1936.

MONARCH
AMBER SEMI-SWEET

Applicant disclaims "Amber Semi-Sweet" apart from the mark.
For Wine.
Claims use since Apr. 1, 1935.

Ser. No. 377,192. MONARCH WINE CO., INC., New York, N. Y. Filed Apr. 14, 1936.

MONARCH
GOLD SWEET

Applicant disclaims "Gold Sweet" apart from the mark.
For Wine.
Claims use since Apr. 1, 1935.

Ser. No. 377,193. MONARCH WINE CO., INC., New York, N. Y. Filed Apr. 14, 1936.

MONARCH
MELLOW SWEET

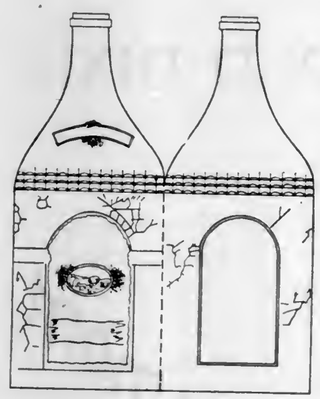
Applicant disclaims "Mellow Sweet" apart from the mark.
For Wine.
Claims use since Apr. 1, 1935.

Ser. No. 377,194. MONARCH WINE CO., INC., New York, N. Y. Filed Apr. 14, 1936.

MONARCH
RUBY RED SWEET

Applicant disclaims "Ruby Red Sweet" apart from the mark.
For Wine.
Claims use since Apr. 1, 1935.

Ser. No. 390,734. GIUSEPPE GUERRIERI, doing business as Santa Fe Vintage Co., Los Angeles, Calif. Filed Mar. 31, 1937.



The representation of a bottle is disclaimed.
For Wines.
Claims use since Oct. 3, 1935.

Ser. No. 391,354. SOCIÉTÉ VINICOLE DE CHAMPAGNE, Paris and Reims, France. Filed Apr. 14, 1937.



The drawing is lined for red and gold.
For Champagne Wines.
Claims use since Feb. 5, 1937.

CLASS 48

Malt Beverages and Liquors

Ser. No. 376,690. NUEVA FABRICA DE HIELO, S. A., Habana, Cuba. Filed Apr. 1, 1936.

Maltina



No claim is made to the word "Vitaminada" apart from the mark as shown.
For Malt Beverages.
Claims use since Nov. 23, 1932.

Ser. No. 386,665. SCHULTHEISS-PATZENHOFER BRAUEREI-AKTIENGESELLSCHAFT, Berlin, Germany. Filed Dec. 11, 1936.

'Patz'

For Beer.
Claims use since Oct. 1, 1934.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 376,859. JOHN MORGAN, INC., Brooklyn, N. Y. Filed Apr. 6, 1936.



For Whisky, Gin, Alcoholic Cordials, Bitters, and Alcoholic Beverages Compounded of the Same.
Claims use since 1894 on the word "Kinloch"; since January, 1857, on the word "Morgan"; and since May 27, 1935, as to the outline and representation of a heart.

Ser. No. 386,998. LABROT & GRAHAM INCORPORATED, Frankfort, Ky. Filed Dec. 21, 1936.

New Moon

For Whiskey.
Claims use since Nov. 20, 1936.

Ser. No. 390,454. JAMES DISTILLERY, INCORPORATED, Baltimore, Md. Filed Mar. 24, 1937.

Old James

James Distillery Inc.

For Whiskey.
Claims use since Sept. 4, 1936.

Ser. No. 390,455. JAMES DISTILLERY, INCORPORATED, Baltimore, Md. Filed Mar. 24, 1937.

FORT McHENRY

For Whiskey.
Claims use since Mar. 2, 1935.

Ser. No. 390,456. JAMES DISTILLERY, INCORPORATED, Baltimore, Md. Filed Mar. 24, 1937.

Flower of Maryland

For Whiskey.
Claims use since Sept. 3, 1936.

Ser. No. 391,231. LIQUOR DEALERS SUPPLY CO., Chicago, Ill. Filed Apr. 12, 1937.

BLUE ROVER

For Bourbon Whiskey.
Claims use since Jan. 19, 1937.

Ser. No. 391,815. LABROT & GRAHAM INCORPORATED, Frankfort, Ky. Filed Apr. 24, 1937. Under ten-year proviso.



For Whiskey.
Claims use since 1890.

Ser. No. 392,199. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed May 3, 1937.

OLD DIXIE

For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Cordials.
Claims use since Mar. 21, 1928.

Ser. No. 392,427. A. L. HINZE DISTILLERY CO., Louisville, Ky. Filed May 7, 1937.

Rosemont

For Whiskey.
Claims use since Apr. 27, 1937.

Ser. No. 392,632. JOSEPH S. FINCH AND COMPANY, INC., New York, N. Y. Filed May 12, 1937.

FAN DANGO

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Feb. 25, 1937.

Ser. No. 392,657. SCHENLEY PRODUCTS COMPANY, New York, N. Y. Filed May 12, 1937.

LIMITED EDITION

For Whiskey, Brandy, Gin, Rum, and Alcoholic Cordials.
Claims use since Dec. 23, 1936.

Ser. No. 392,741. BLAIR DISTILLING COMPANY, Chicago, Ky. Filed May 14, 1937.

NICK BLAIR



Nick Blair

The portrait and signature are those of Nick Blair, vice president of the applicant.
For Whiskey.
Claims use since Apr. 12, 1937.

Ser. No. 392,742. BLAIR DISTILLING COMPANY, Chicago, Ky. Filed May 14, 1937.

OLD FORD

For Whiskey.
Claims use since Apr. 12, 1937.

Ser. No. 392,772. ROLANDELLI CO., San Francisco, Calif. Filed May 14, 1937.

ROLANDELLI

For Whiskey.
Claims use since Apr. 26, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 388,062. THE R. M. HAY COMPANY, Stamford, Conn. Filed Jan. 22, 1937.

PADDIES

For Disposable Diaper Padding.
Claims use since August, 1936.

Ser. No. 388,093. EVANS-WALTON COMPANY, Detroit, Mich. Filed Jan. 23, 1937.

SWANKS

For Decorative Novelties of Sheet-Like Material Formed from Syuthetic Lacquer or Other Suitable Material Adapted to Be Adhered to Objects of Furniture, to Wearing Apparel, Automobiles, or Any Other Suitable Objects.
Claims use since Jan. 19, 1937.

Ser. No. 390,299. BROWN COMPANY, Portland, Maine, and Berlin, N. H. Filed Mar. 19, 1937.

solkalf

For Artificial Leather Whose Base is Cellulose Fiber.
Claims use since Feb. 8, 1937.

Ser. No. 391,606. ARMSTRONG CORK PRODUCTS COMPANY, Lancaster, Pa. Filed Apr. 21, 1937.

CORPRENE

For Vibration Mountings, Cushions, Pads, Sheets, and Strips, All of Cork and Synthetic Rubber.
Claims use since Sept. 5, 1935.

Ser. No. 391,932. MARIAN HALSTEAD TAFT, Washington, D. C. Filed Apr. 27, 1937.

la jumelle

For Dress Forms.
Claims use since Jan. 29, 1937.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 22, 1937

347,212. BEVERAGES, VIZ., GINGER ALE, AND ALSO A NATURAL WATER (LITHIATED AND CARBONATED). Glendale Beverage Co., Kansas City, Mo.
Filed July 9, 1934. Serial No. 353,644. PUBLISHED APRIL 13, 1937. Class 45.

347,213. SALAD DRESSING AND/OR MAYONNAISE. The Best Foods, Inc., New York, N. Y.
Filed July 18, 1934. Serial No. 354,021. PUBLISHED APRIL 13, 1937. Class 46.

347,214. GIRLS' AND CHILDREN'S COATS, DRESSES, SHOES OF LEATHER AND FABRIC AND COMBINATIONS OF LEATHER, FABRIC, AND RUBBER; BATHING SUITS, PLAY SUITS, SPORT JACKETS, SKI SUITS, SWEATERS, OUTER SKIRTS, AND BLOUSES. Abraham & Straus, Inc., New York, N. Y.
Filed July 31, 1934. Serial No. 354,456. PUBLISHED APRIL 13, 1937. Class 39.

347,215. COTTONSEED FLOUR, MIXED COTTONSEED AND WHEAT FLOUR, BREAD, AND PANCAKE OR MUFFIN FLOUR MADE OF COTTONSEED FLOUR, RICE FLOUR, WHEAT FLOUR, AND OTHER INGREDIENTS. Conrad A. Sears, doing business as Nutty Brown Mills, Houston, Tex.
Filed July 9, 1935. Serial No. 367,108. PUBLISHED MARCH 23, 1937. Class 46.

347,216. PIG IRON IN THE FORM OF PIGS. Interlake Iron Corporation, Chicago, Ill.
Filed September 26, 1935. Serial No. 369,738. PUBLISHED APRIL 13, 1937. Class 14.

347,217. NON-ELECTRICAL HAIR CURLERS AND ACCESSORY CURL CLASPS. Robert T. Plate, doing business as The Plate Mfg. Co., Detroit, Mich.
Filed October 25, 1935. Serial No. 370,812. PUBLISHED SEPTEMBER 1, 1936. Class 40.

347,218. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. Nussbaum Liquor Store, Inc., New York, N. Y.
Filed January 18, 1936. Serial No. 373,835. PUBLISHED FEBRUARY 25, 1936. Class 49.

347,219. REPAIR LINKS FOR AUTOMOBILE TIRE CHAINS. Flower City Specialty Company, Rochester, N. Y.
Filed March 3, 1936. Serial No. 375,503. PUBLISHED APRIL 13, 1937. Class 13.

347,220. RUG AND UPHOLSTERY CLEANER. Albert Isserson, doing business as Nu-Life Rug Cleaner Company, Cleveland, Ohio.
Filed March 6, 1936. Serial No. 375,643. PUBLISHED APRIL 6, 1937. Class 4.

347,221. POISONS, PARTICULARLY POISONED SEEDS FOR EXTERMINATING MICE, RATS, AND OTHER RODENTS, AND PESTS. Howard E. Bagnall, doing business as Bagnall Company, Kansas City, Mo.
Filed March 31, 1936. Serial No. 376,619. PUBLISHED APRIL 13, 1937. Class 6.

347,222. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND CONCENTRATES FROM WHICH SUCH SOFT DRINKS ARE MADE. Citrus Products Company, Chicago, Ill.
Filed May 2, 1936. Serial No. 377,911. PUBLISHED DECEMBER 1, 1936. Class 45.

347,223. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND CONCENTRATES FROM WHICH SUCH SOFT DRINKS ARE MADE. Citrus Products Company, Chicago, Ill.
Filed May 13, 1936. Serial No. 378,393. PUBLISHED DECEMBER 1, 1936. Class 45.

347,224. ADVERTISING SIGNS, ARTIFICIAL FLOWERS, FOLIAGE, AND FRUITS, ATHLETIC INSIGNIAS, AWNINGS, BACKING MATERIAL, BANNERS, ETC. Wm. T. Knott Company, Inc., New York, N. Y.
Filed May 13, 1936. Serial No. 378,406. PUBLISHED APRIL 13, 1937. Class 50.

347,225. MEDICINAL PRODUCTS—NAMELY, TABLETS COMPOSED OF DRUGS, CHEMICALS, AND GLANDULAR MATERIAL FOR ANTIPYRETIC, ANALGESIC, STIMULANT, SEDATIVE, OR OTHER THERAPEUTIC PURPOSES. George A. Breon & Company, Incorporated, Kansas City, Mo.
Filed June 1, 1936. Serial No. 379,075. PUBLISHED APRIL 13, 1937. Class 6.

347,226. TURKEY POULTS AND DRESSED TURKEYS. Ramona Turkey Growers' Association, Ramona, Calif.
Filed June 3, 1936. Serial No. 379,260. PUBLISHED MARCH 16, 1937. Class 46.

347,227. RIBBON HEAD BANDS, RIBBON BARRETTES, AND RIBBON HAIR BANDEAUS FOR WOMEN AND CHILDREN. Ribbon Mills Corporation, New York, N. Y.
Filed June 15, 1936. Serial No. 379,764. PUBLISHED DECEMBER 1, 1936. Class 40.

347,228. PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME. Industrial Publishing Co., Cleveland, Ohio.
Filed July 10, 1936. Serial No. 380,872. PUBLISHED APRIL 13, 1937. Class 38.

347,229. POULTRY MEDICINES. C. Edwin Holmes, Onawa, Iowa.
Filed July 11, 1936. Serial No. 380,913. PUBLISHED APRIL 6, 1937. Class 6.

347,230. DRY CLEANING POWDER. Jen, Inc., New York, N. Y.
Filed July 18, 1936. Serial No. 381,161. PUBLISHED APRIL 13, 1937. Class 4.

347,231. PRINTED LETTERS, PAMPHLETS, AND BROCHURES PUBLISHED FROM TIME TO TIME ON ASTROLOGICAL CHARACTER ANALYSIS. Harold H. Gartner, doing business as Halgar, New York, N. Y., and Los Angeles, Calif.
Filed July 20, 1936. Serial No. 381,202. PUBLISHED APRIL 13, 1937. Class 38.

347,232. PREPARATIONS HAVING THE FOLLOWING USES IN THE TREATMENT OF ABORTUS, HABITUAL ABORTION, ACHYLIA GASTRICA, ACRODYNIA, ETC. N. V. Organon, Oss, Netherlands.
Filed August 10, 1936. Serial No. 381,994. PUBLISHED APRIL 6, 1937. Class 6.

347,233. PREPARATIONS HAVING THE FOLLOWING USES IN THE TREATMENT OF ABORTUS, HABITUAL ABORTION, ACHYLIA GASTRICA, ACRODYNIA, ETC. N. V. Organon, Oss, Netherlands.
Filed August 10, 1936. Serial No. 381,995. PUBLISHED APRIL 6, 1937. Class 6.

347,234. DEFROSTERS FOR AUTOMOBILE WINDSHIELDS AND THE LIKE. Michael B. Roy, Bridgeport, Conn.
Filed August 10, 1936. Serial No. 382,004. PUBLISHED APRIL 13, 1937. Class 19.

347,235. AIR VALVES AND VALVE FITTINGS. Anderson Products, Incorporated, Cambridge, Mass.
Filed August 22, 1936. Serial No. 382,460. PUBLISHED APRIL 13, 1937. Class 13.

347,236. CHARTS, PRINTED DATA, COMPILATIONS, ANALYSES, AND OPINIONS, ALL AS PERTAINING TO FOOD PRODUCTS AND THEIR NUTRITIVE VALUE. Joslyn Laboratories, Inc., Rockford, Ill.
Filed August 31, 1936. Serial No. 382,753. PUBLISHED APRIL 13, 1937. Class 38.

347,237. MEN'S AND BOYS' SUITS, COATS, TROUSERS, AND OVERCOATS. Gordon Clothing Co., Chicago, Ill.
Filed September 2, 1936. Serial No. 382,828. PUBLISHED APRIL 6, 1937. Class 39.

347,238. BICYCLES. The Zephyr Cycle Company, Dayton, Ohio.
Filed September 4, 1936. Serial No. 382,937. PUBLISHED OCTOBER 13, 1936. Class 19.

347,239. MEDICINE FOR THE TREATMENT OF EAR AILMENTS. A. O. Leonard, Incorporated, New York, N. Y.
Filed September 12, 1936. Serial No. 383,198. PUBLISHED APRIL 6, 1937. Class 6.

347,240. HEATING AND COOKING STOVES, RANGES, AND HEATING FURNACES USING COAL, WOOD, OR OIL AS A FUEL. The Floyd-Wells Company, Royersford, Pa.
Filed September 16, 1936. Serial No. 383,303. PUBLISHED APRIL 13, 1937. Class 34.

347,241. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH AND SHELLFISH, AND CATSUP. Wurm Brothers Company, Chicago, Ill.
Filed September 21, 1936. Serial No. 383,498. PUBLISHED APRIL 6, 1937. Class 46.

347,242. BEER. Auto City Brewing Company, Detroit and Hamtramck, Mich.
Filed September 28, 1936. Serial No. 383,697. PUBLISHED APRIL 13, 1937. Class 48.

347,243. LUMBER. Stulman-Emrick Lumber Co., Inc., Brooklyn, N. Y.
Filed September 30, 1936. Serial No. 383,829. PUBLISHED MARCH 30, 1937. Class 12.

347,244. FROZEN SHELLFISH PRODUCTS—NAMELY, SPINY LOBSTER TAILS. Wouka Distributing Co., New York, N. Y.
Filed September 30, 1936. Serial No. 383,834. PUBLISHED APRIL 13, 1937. Class 46.

347,245. MEDICINAL CAPSULE FOR THE TREATMENT OF ASTHMA. J. B. Leedy, Upper Strasburg, Pa.
Filed October 1, 1936. Serial No. 383,841. PUBLISHED MARCH 30, 1937. Class 6.

347,246. HAIR SHAMPOOS, OILS, CREAMS, LOTIONS, AND TONICS. Natone Inc., Los Angeles, Calif.
Filed October 3, 1936. Serial No. 383,936. PUBLISHED APRIL 13, 1937. Class 6.

347,247. PREPARATION FOR THE TREATMENT OF HEMORRHOIDS, RECTAL DISORDERS, AND THE LIKE. The Mellen Company Inc., Los Angeles, Calif.
Filed October 5, 1936. Serial No. 384,005. PUBLISHED APRIL 6, 1937. Class 6.

347,248. COMPOSITION PADS AND METALLIC BINDER-SNUBBING PLATES FOR CONTROLLING, DURING TRANSIT, THE MOVEMENT OF LOAD UNITS RELATIVE TO THE VEHICLE, SUCH AS A RAILWAY CAR. Signode Steel Strapping Company, Chicago, Ill.
Filed October 8, 1936. Serial No. 384,139. PUBLISHED APRIL 13, 1937. Class 13.

347,249. NEWSPAPER SECTION. The Philadelphia Inquirer Company, Philadelphia, Pa.
Filed October 15, 1936. Serial No. 384,402. PUBLISHED APRIL 13, 1937. Class 38.

347,250. BLACKLEG BACTERIN EQUINE INFLUENZA MIXED BACTERIN, MASTITIS MIXED BACTERIN (BOVINE), BOVINE MIXED BACTERIN, ETC. The O. M. Franklin Blackleg Serum Company, Denver, Colo.
Filed October 19, 1936. Serial No. 384,525. PUBLISHED FEBRUARY 9, 1937. Class 6.

347,251. COPPER NICKEL STEEL ALLOY SHEET SECTIONS FOR FABRICATION INTO TANKS AND THE LIKE. Columbian Steel Tank Company, Kansas City, Mo.
Filed October 21, 1936. Serial No. 384,613. PUBLISHED DECEMBER 22, 1936. Class 14.

347,252. TABLETS FOR THE TREATMENT OF COLDS. Donalds Limited, Inc., Jersey City, N. J.
Filed October 26, 1936. Serial No. 384,788. PUBLISHED APRIL 13, 1937. Class 6.

347,253. BLOUSES, BONNETS, DRESSES, AND FROCKS FOR WOMEN AND CHILDREN, WOMEN'S ENSEMBLE SUITS, OUTER SKIRTS, ETC. Simpson & Godlee, Limited, Manchester, England.
Filed October 31, 1936. Serial No. 385,010. PUBLISHED APRIL 13, 1937. Class 39.

347,254. CHEMICAL COMPOSITIONS FOR WATERPROOFING AND PRESERVING SAILS, CANVAS AND OTHER TEXTILE FABRICS, FISHING AND THE LIKE NETS, ETC. Cuprinol Limited, London, England.
Filed November 4, 1936. Serial No. 385,134. PUBLISHED MARCH 30, 1937. Class 6.

347,255. WRAPPING AND PACKING PAPER, CARDBOARD, AND STRAWBOARD. British Celilynd Limited, London, England.
Filed November 7, 1936. Serial No. 385,247. PUBLISHED APRIL 13, 1937. Class 37.

347,256. DIURETIC PREPARATION. Charles Weatherall, doing business as Youth Medicine Co., Detroit, Mich.
Filed November 9, 1936. Serial No. 385,329. PUBLISHED FEBRUARY 23, 1937. Class 6.

347,257. FOOD AND HEALTH DRINK WHICH INCLUDES FRUIT JUICE AND VEGETABLE JUICE AND BEEF LIVER. Lat Research Products, Chicago, Ill.
Filed November 12, 1936. Serial No. 385,441. PUBLISHED APRIL 6, 1937. Class 6.

347,258. BLEACH, DEODORANT, AND DISINFECTANT. Sarah Monkarsh, doing business as Sun Myte Wash Products, Chicago, Ill.
Filed November 12, 1936. Serial No. 385,446. PUBLISHED APRIL 6, 1937. Class 6.

347,259. PAINT OILS. The Hillman Importing and Trading Co., Inc., New York, N. Y.
Filed November 16, 1936. Serial No. 385,551. PUBLISHED MARCH 30, 1937. Class 16.

347,260. INJECTION FLUID PARTICULARLY ADAPTED FOR TREATING ARTHRITIS. Charles M. Kemper, New York, N. Y.
Filed November 18, 1936. Serial No. 385,693. PUBLISHED APRIL 6, 1937. Class 6.

347,261. DYESTUFFS. Southern Dyestuff Corporation, Charlotte, N. C.
Filed November 18, 1936. Serial No. 385,703. PUBLISHED APRIL 6, 1937. Class 6.

347,262. ADHESIVES AND PASTES OF A FLEXIBLE NATURE WITH RUBBER OR LATEX AS THEIR BASE. S S Rubber Cement Co., Chicago, Ill.
Filed November 23, 1936. Serial No. 385,905. PUBLISHED APRIL 13, 1937. Class 5.

347,263. HOSIERY. KRAMER BROS., New York, N. Y. Filed November 25, 1936. Serial No. 385,984. PUBLISHED APRIL 6, 1937. Class 39.

347,264. MECHANICALLY OPERATED ADVERTISING SIGNS AND PARTS THEREOF. FREDERICK PIOWATI, New York, N. Y. Filed November 27, 1936. Serial No. 386,045. PUBLISHED APRIL 13, 1937. Class 50.

347,265. FRESH CITRUS FRUIT. SUNFLOWER PACKING CORP., Porterville, Calif. Filed November 27, 1936. Serial No. 386,050. PUBLISHED APRIL 13, 1937. Class 46.

347,266. FUR SKINS AND PELTS. UNITED FUR BREEDERS, INC., Bethlehem, Pa. Filed December 1, 1936. Serial No. 386,184. PUBLISHED APRIL 13, 1937. Class 1.

347,267. CHEMICAL PREPARATION FOR TANNING LEATHERS. JACQUES WOLF & CO., Clifton, N. J. Filed December 1, 1936. Serial No. 386,185. PUBLISHED APRIL 6, 1937. Class 6.

347,268. FIRST AID ANTISEPTIC AND LINIMENT FOR EXTERNAL USE. HAWTHORN DRUG COMPANY, INCORPORATED, St. Louis, Mo. Filed November 27, 1936. Serial No. 386,232. PUBLISHED APRIL 6, 1937. Class 6.

347,269. BLANK FLEXIBLY BOUND BOOKS. HARVEY B. MARTLING, Nashville, Tenn. Filed December 4, 1936. Serial No. 386,331. PUBLISHED APRIL 13, 1937. Class 37.

347,270. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF ATHLETES FOOT, RING WORM, AND OTHER SKIN AFFECTIONS. THE FINIS CO., Seattle, Wash. Filed December 7, 1936. Serial No. 386,423. PUBLISHED APRIL 6, 1937. Class 6.

347,271. METAL CONTAINERS USED IN THE AIR-CONDITIONED PACKING OF CIGARS, CIGARETTES, LOOSE TOBACCO, ETC., AND ALSO FOR CANDY, DAIRY PRODUCTS, BREAD, AND BISCUITS, ETC. SPIRA & GORDON, New York, N. Y. Filed December 12, 1936. Serial No. 386,700. PUBLISHED APRIL 13, 1937. Class 2.

347,272. SHOES OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF THOSE MATERIALS. DAVE WEISBERGER, New York, N. Y. Filed December 14, 1936. Serial No. 386,752. PUBLISHED APRIL 13, 1937. Class 39.

347,273. COAL. WALTER BLEDSOE & COMPANY, Terre Haute, Ind. Filed December 17, 1936. Serial No. 386,844. PUBLISHED APRIL 13, 1937. Class 1.

347,274. WHISKEY. WESTERN DISTILLERS CORP., Los Angeles, Calif. Filed December 17, 1936. Serial No. 386,878. PUBLISHED APRIL 13, 1937. Class 49.

347,275. TABLE TENNIS SETS, GAMES PLAYED WITH A BALL AND RACQUET OR BAT, BALLS, GAME BATS. MUNRO ATHLETIC PRODUCTS COMPANY, INC., Philadelphia, Pa. Filed December 19, 1936. Serial No. 386,957. PUBLISHED APRIL 13, 1937. Class 22.

347,276. BOOKS, PAMPHLETS, PRINTED CIRCULARS, AND FOR A PERIODICAL PUBLISHED FROM TIME TO TIME FOR THE FURTHERANCE OF ITS OBJECTS. INTERNATIONAL UNION OF OPERATING ENGINEERS, Washington, D. C. Filed December 23, 1936. Serial No. 387,071. PUBLISHED APRIL 13, 1937. Class 38.

347,277. ALKALINE EFFERVESCENT SALTS FOR PRESERVING THE ALKALINITY OF THE SYSTEM. H. KIRK WHITE & CO., Oconomowoc, Wis. Filed December 23, 1936. Serial No. 387,097. PUBLISHED APRIL 6, 1937. Class 6.

347,278. INSECTICIDES AND PREPARATIONS FOR CONTROL OF PLANT PESTS. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed December 24, 1936. Serial No. 387,121. PUBLISHED APRIL 6, 1937. Class 6.

347,279. MAGAZINE. EDWARD B. FRITZ, Chicago, Ill. Filed December 28, 1936. Serial No. 387,180. PUBLISHED APRIL 13, 1937. Class 38.

347,280. PIECE GOODS MADE OF WOOL, HAVING A PREDOMINANT CAMELS HAIR CONTENT. SIEGEL BROS. KIKI MAID COATS INC., New York, N. Y. Filed December 29, 1936. Serial No. 387,256. PUBLISHED APRIL 13, 1937. Class 42.

347,281. COUNTER-IRRITANT AND LOCAL APPLICATION FOR THE TREATMENT OF SPRAINS, RHEUMATISM, NEURALGIA, SORE MUSCLES FROM OVER-EXERTION, AND TENDER FEET. CHICAGO PHARMACAL CO., Chicago, Ill. Filed December 31, 1936. Serial No. 387,312. PUBLISHED APRIL 6, 1937. Class 6.

347,282. RAILWAY TRACK JOINTS. THE RAIL JOINT COMPANY, New York, N. Y., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware. Filed December 31, 1936. Serial No. 387,347. PUBLISHED APRIL 13, 1937. Class 14.

347,283. INSECTICIDES, INSECT EXTERMINATORS, REPELLENTS, DETERRANTS, AND PREVENTIVES. REEFER-GALLER INC., New York, N. Y. Filed December 31, 1936. Serial No. 387,350. PUBLISHED APRIL 6, 1937. Class 6.

347,284. SALTS FOR THE TREATMENT OF FERROUS METAL SURFACES IN CONNECTION WITH OXYDIZING WITH OR WITHOUT ELECTRICAL CURRENT. ALROSE CHEMICAL COMPANY, Providence, R. I. Filed January 2, 1937. Serial No. 387,361. PUBLISHED APRIL 6, 1937. Class 6.

347,285. SALTS FOR USE IN CONNECTION WITH PLATING METALS. ALROSE CHEMICAL COMPANY, Providence, R. I. Filed January 2, 1937. Serial No. 387,362. PUBLISHED APRIL 6, 1937. Class 6.

347,286. PHARMACEUTICAL PREPARATIONS FOR USE IN THE TREATMENT OF RECTAL DISORDERS. KEENE DRUG COMPANY, Indianapolis, Ind. Filed January 2, 1937. Serial No. 387,380. PUBLISHED APRIL 6, 1937. Class 6.

347,287. SLIPPERS MADE OF LEATHER, RUBBER, AND FABRIC, AND/OR COMBINATIONS THEREOF, AND SHEEPSKIN MOCCASINS. MIDWEST SLIPPER MFG. CO., Chicago, Ill. Filed January 2, 1937. Serial No. 387,384. PUBLISHED APRIL 13, 1937. Class 39.

347,288. PERMANENT WAVING SUPPLIES—NAMELY, LOTIONS AND HAIR WAVING SOLUTIONS. ERNEST L. SMITH, San Francisco, Calif. Filed January 2, 1937. Serial No. 387,422. PUBLISHED APRIL 6, 1937. Class 6.

347,289. PAPER USED FOR PRINTING AND DISPLAY PURPOSES AND CARDBOARD. BATES COMPTON, New York, N. Y. Filed January 5, 1937. Serial No. 387,461. PUBLISHED APRIL 13, 1937. Class 37.

347,290. SOAP PRODUCT POWDER USED FOR DEGUMMING SILK, AND SCOURING MATERIALS FOR TEXTILE PRODUCTS MADE FROM WOOL, COTTON, AND RAYON. KALI MANUFACTURING CO., Philadelphia, Pa. Filed January 5, 1937. Serial No. 387,468. PUBLISHED APRIL 13, 1937. Class 4.

347,291. COSMETIC PREPARATIONS USED AS A COVERING FOR SKIN MARKS, RINGS UNDER THE EYES, FRECKLES, PIMPLES, ETC., AND AS A POWDER BASE PUT UP IN STICK FORM. MINER'S, INC., New York, N. Y. Filed January 6, 1937. Serial No. 387,508. PUBLISHED MARCH 23, 1937. Class 6.

347,292. MEDICINAL PREPARATION IN THE FORM OF AN OINTMENT AND ADAPTED FOR USE IN THE TREATMENT OF PILES, HEMORRHOIDS, AND RECTAL DISORDERS. SAMUEL ROBINSON, doing business as The Pirel Co., Columbus, Ohio. Filed January 7, 1937. Serial No. 387,561. PUBLISHED APRIL 6, 1937. Class 6.

347,293. RUM. PARK, BENZIGER & CO., INC., New York, N. Y. Filed January 8, 1937. Serial No. 387,592. PUBLISHED APRIL 13, 1937. Class 49.

347,294. LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, PREPARATIONS FOR SKIN, HAIR AND FINGER NAILS, AND PERFUMES. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed January 11, 1937. Serial No. 387,652. PUBLISHED APRIL 6, 1937. Class 6.

347,295. MEDICINE RECOMMENDED FOR HOGS AND ESPECIALLY FOR THE TREATMENT OF NECROTIC ENTERITIS. WELTER & WELTER, Sand Springs, Iowa. Filed January 11, 1937. Serial No. 387,689. PUBLISHED APRIL 6, 1937. Class 6.

347,296. PNEUMATIC DISPENSER FOR TOILET PREPARATIONS. BERTHA WETZEL, New York, N. Y. Filed January 12, 1937. Serial No. 387,718. PUBLISHED APRIL 13, 1937. Class 23.

347,297. SALVE OR OINTMENT USED IN THE TREATMENT OF ECZEMA, PILES, OLD SORES, BURNS, SCALDS, SUNBURN, AND THE LIKE. DOMENIC M. MARTOCCI, Hartford, Conn. Filed January 13, 1937. Serial No. 387,751. PUBLISHED APRIL 6, 1937. Class 6.

347,298. EFFERVESCENT SALTS USED AS A SALINE LAXATIVE. H. KIRK WHITE & CO., Oconomowoc, Wis. Filed January 13, 1937. Serial No. 387,762. PUBLISHED APRIL 6, 1937. Class 6.

347,299. SPRING WATER, DISTILLED WATER, SIPHON WATER, AND SPARKLING WATER. W. P. HERSHBERGER, San Luis Obispo, Calif. Filed January 14, 1937. Serial No. 387,785. PUBLISHED APRIL 13, 1937. Class 45.

347,300. FUNGICIDE AND GERMICIDE FOR THE TREATMENT OF ATHLETE'S FOOT, RING WORM, AND DERMATOPHYTOSIS. THE PHARMA-CRAFT CORPORATION, Louisville, Ky. Filed January 14, 1937. Serial No. 387,797. PUBLISHED APRIL 6, 1937. Class 6.

347,301. MEDICINE FOR GONORRHEA AND GLEET, COUGH SYRUP, THROAT TONIC, LAXATIVE HERBS AND PILLS, LOTION FOR ANTISEPTIC, ASTRINGENT, AND PROPHYLACTIC PURPOSES, URINARY ANTISEPTIC TABLETS, AND LINIMENT FOR BODY PAINS, MUSCLE STRAINS, SORE THROAT, BRONCHIAL AFFECTIONS, ETC. VEGOLA SPECIALTY COMPANY, INC., Buffalo, N. Y. Filed January 14, 1937. Serial No. 387,806. PUBLISHED APRIL 6, 1937. Class 6.

347,302. MONTHLY PERIODICAL. THE CATHOLIC DIGEST, INC., St. Paul, Minn. Filed January 15, 1937. Serial No. 387,816. PUBLISHED APRIL 13, 1937. Class 38.

347,303. DRESSED POULTRY—NAMELY, CHICKENS, TURKEYS, DUCKS, AND GEESE. THE ASTER CASH MARKETS COMPANY, Akron, Ohio. Filed January 16, 1937. Serial No. 387,852. PUBLISHED APRIL 13, 1937. Class 46.

347,304. PAPER USED IN CERTAIN BOOKS OF ACCOUNT AND OTHER BOOKS PRINTED BY APPLICANT. CURTIS 1000 INCORPORATED, St. Paul, Minn. Filed January 16, 1937. Serial No. 387,861. PUBLISHED APRIL 13, 1937. Class 37.

347,305. ONE, TWO, AND THREE PIECE DRESSES FOR WOMEN AND GIRLS AND SWEATERS FOR MEN, WOMEN, AND CHILDREN, MADE OF SILK, WOOL, COTTON, RAYON, AND OF A MIXTURE OF ANY AND ALL SUCH MATERIALS, OF WOVEN AND KNITTED FABRICS. THE LAMPL SPORTSWEAR MANUFACTURING COMPANY, Cleveland, Ohio. Filed January 16, 1937. Serial No. 387,884. PUBLISHED APRIL 6, 1937. Class 39.

347,306. WOMEN'S AND MISSES' DRESSES AND BLOUSES. LIDO SPORTSWEAR, INC., New York, N. Y. Filed January 18, 1937. Serial No. 387,908. PUBLISHED APRIL 6, 1937. Class 39.

347,307. WOMEN'S AND MISSES' DRESSES. WILLIAM M. MARROW, doing business as Marrow Modes Co., New York, N. Y. Filed January 18, 1937. Serial No. 387,912. PUBLISHED APRIL 6, 1937. Class 39.

347,308. SILICATE OF SODA, EITHER ANHYDROUS, HYDRATED, OR IN SOLUTION. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed January 19, 1937. Serial No. 387,952. PUBLISHED MARCH 30, 1937. Class 6.

347,309. HAIR TONIC AND A DEODORANT. MORRIS GOLDBERG, doing business as Shim-R Products Co., Kenmore, N. Y. Filed January 21, 1937. Serial No. 388,000. PUBLISHED MARCH 30, 1937. Class 6.

347,310. READY-MIXED PAINT PRODUCT FOR THE DECORATION OF WALLS AND WOODWORK. A. C. HORN COMPANY, Long Island City, N. Y. Filed January 21, 1937. Serial No. 388,004. PUBLISHED APRIL 13, 1937. Class 16.

347,311. SILVER POLISH. ARTHUR E. KELLER, doing business as E. Keller & Sons, Allentown, Pa. Filed January 21, 1937. Serial No. 388,006. PUBLISHED APRIL 6, 1937. Class 4.

347,312. REFINED MINERAL OIL JELLY FOR USE AS A LAXATIVE. THE ARLINGTON CHEMICAL COMPANY, Yonkers, N. Y. Filed January 22, 1937. Serial No. 388,043. PUBLISHED APRIL 6, 1937. Class 6.

347,313. SOCKS, MEN'S UNION SUITS, UNDERSHIRTS, UNDERDRAWERS, DRESS AND NEGLIGEE SHIRTS, NECKTIES, COLLARS, ETC. JOHN DAVID, New York, N. Y. Filed January 22, 1937. Serial No. 388,052. PUBLISHED APRIL 13, 1937. Class 39.

347,314. CLEANING SOAP. GILBERT AND DIMITRE, Eau Claire, Wis. Filed January 22, 1937. Serial No. 388,056. PUBLISHED APRIL 6, 1937. Class 4.

347,315. l-ASCORBIC ACID, OTHERWISE KNOWN AS VITAMIN C. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed January 22, 1937. Serial No. 388,065. PUBLISHED MARCH 30, 1937. Class 6.

347,316. CLEANSING CREAM, VANISHING CREAM, TISSUE CREAM, TALCUM POWDER, DUSTING POWDER, FACE POWDER, CUTICLE OIL, NAIL ENAMEL REMOVER, NAIL WHITE, LIPSTICKS, ROUGE, SKIN CREAM, ALMOND HAND LOTION, NAIL ENAMEL, AND PERFUME. MARY PARDO, doing business as Sublime Laboratories, Chicago, Ill.
Filed January 22, 1937. Serial No. 388,068. PUBLISHED APRIL 13, 1937. Class 6.

347,317. APPLE BRANDY. NEW JERSEY APPLE GROWERS, INC., Matawan, N. J.
Filed January 23, 1937. Serial No. 388,104. PUBLISHED APRIL 13, 1937. Class 49.

347,318. TEXTILE OILS—NAMELY, BOIL-OFF AND SCOURING OILS, AND DYEING AND WETTING-OUT AGENTS. SOLVOL CORPORATION, Providence, R. I.
Filed January 23, 1937. Serial No. 388,107. PUBLISHED MARCH 30, 1937. Class 6.

347,319. DETERGENT COMPOSITION FOR SCOURING TEXTILES. THE COWLES DETERGENT COMPANY, Cleveland, Ohio.
Filed January 25, 1937. Serial No. 388,122. PUBLISHED APRIL 6, 1937. Class 4.

347,320. WEARING APPAREL FOR YOUNG MEN AND BOYS—NAMELY, JACKETS, JUMPERALLS, KNICKERS, SHORTS, SLACKS, COATS, AND OUTER SHIRTS. ELDER MANUFACTURING COMPANY, St. Louis, Mo.
Filed January 25, 1937. Serial No. 388,127. PUBLISHED APRIL 6, 1937. Class 39.

347,321. LEATHER GOODS—NAMELY, BILL FOLDS FOR MEN, PURSES, POCKETBOOKS, BRIEF CASES, AND LADIES' HAND BAGS. E. J. WILKINS CO., Gloversville, N. Y.
Filed January 28, 1937. Serial No. 388,291. PUBLISHED APRIL 13, 1937. Class 3.

347,322. MEDICINES FOR USE IN GERM INFECTIONS AND AS AN ANTISEPTIC. THE PYRIDIUM CORPORATION, Nepera Park, N. Y.
Filed January 25, 1937. Serial No. 388,144. PUBLISHED MARCH 30, 1937. Class 6.

347,323. SOLUBLE CLEANSING COMPOUND THE PURPOSE OF WHICH IS TO EMULSIFY AND SAPONIFY GREASE. V. C. PRODUCTS COMPANY, INC., Philadelphia, Pa.
Filed January 25, 1937. Serial No. 388,158. PUBLISHED APRIL 6, 1937. Class 4.

347,324. PREPARATION TO BE USED IN THE TREATMENT OF INDIGESTION, DYSPEPSIA, GAS, BLOATING, AND OTHER AILMENTS CAUSED BY DYSPEPTIC CONDITIONS. BOND PHARMACALS, Dallas, Tex.
Filed January 26, 1937. Serial No. 388,180. PUBLISHED MARCH 30, 1937. Class 6.

347,325. OINTMENT AND LOTION FOR TREATMENT OF IMPETIGO, SOMETIMES KNOWN AS INFANTIGO, AND SIMILAR SKIN DISORDERS. BOND PHARMACALS, Dallas, Tex.
Filed January 26, 1937. Serial No. 388,181. PUBLISHED APRIL 13, 1937. Class 6.

347,326. PERFUME. FAITOUTE, INC., East Orange, N. J.
Filed January 26, 1937. Serial No. 388,189. PUBLISHED APRIL 13, 1937. Class 6.

347,327. MOUTH WASH. PHILIP WAREMAN, New York, N. Y.
Filed January 26, 1937. Serial No. 388,215. PUBLISHED MARCH 30, 1937. Class 6.

347,328. PERFUMED DEODORIZING CHEMICAL LIQUID. AL-LON MANUFACTURING CO., INC., Baltimore, Md.
Filed January 27, 1937. Serial No. 388,216. PUBLISHED MARCH 30, 1937. Class 6.

347,329. NITROCELLULOSE IMPREGNATED PAPER COLLARS. ATLAS AGO CHEMISCHE FABRIK AKTIENGESELLSCHAFT, Molkau, near Leipzig, Germany.
Filed January 27, 1937. Serial No. 388,218. PUBLISHED APRIL 6, 1937. Class 39.

347,330. CHEMICAL COMPOUND FOR CLEANING GLASS, IN LIQUID FORM. VICTOR R. NOER, doing business as The Brite X Co., Colfax, Wis.
Filed January 27, 1937. Serial No. 388,240. PUBLISHED APRIL 6, 1937. Class 4.

347,331. SILICATE OF SODA, EITHER ANHYDROUS, HYDRATED, OR IN SOLUTION. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed January 27, 1937. Serial No. 388,241. PUBLISHED MARCH 30, 1937. Class 6.

347,332. CHEMICAL TABLET ADAPTED TO BE PLACED IN WATER IN A FLOWER VASE TO BE DISSOLVED FOR DEODORIZING AND PERFUMING PURPOSES. ROBERT F. BRAUNLIN, doing business as Vase-Sweet Company, Marion, Ind.
Filed January 28, 1937. Serial No. 388,256. PUBLISHED MARCH 30, 1937. Class 6.

347,333. WINES. COLLEGE INN FOOD PRODUCTS COMPANY, Chicago, Ill.
Filed January 28, 1937. Serial No. 388,260. PUBLISHED APRIL 13, 1937. Class 47.

347,334. WINES. G. LOEWUS & CO., INC., Newark, N. J.
Filed January 28, 1937. Serial No. 388,270. PUBLISHED APRIL 13, 1937. Class 47.

347,335. WINES. G. LOEWUS & CO., INC., Newark, N. J.
Filed January 28, 1937. Serial No. 388,272. PUBLISHED APRIL 13, 1937. Class 47.

347,336. ANTISEPTICS. LEONA C. PALMER, doing business as L. C. Palmer, Washington, D. C.
Filed January 28, 1937. Serial No. 388,277. PUBLISHED MARCH 30, 1937. Class 6.

347,337. MOTH PROOFING SPRAY FOR WOOLEN MATERIALS USED IN CLOTHING, UPHOLSTERING, ETC. U. S. ANTISEPTIC LABORATORIES CORPORATION, Baltimore, Md.
Filed January 28, 1937. Serial No. 388,289. PUBLISHED MARCH 30, 1937. Class 6.

347,338. MONTHLY MAGAZINE. GEORGE J. HOUTAIN, doing business as Empire Druggist Co., Albany, N. Y.
Filed January 29, 1937. Serial No. 388,319. PUBLISHED APRIL 13, 1937. Class 38.

347,339. KNITTED AND WOVEN COTTON AND RAYON PIECE GOODS. THE LOOMCREST CORPORATION, New York, N. Y.
Filed January 29, 1937. Serial No. 388,326. PUBLISHED APRIL 13, 1937. Class 42.

347,340. CORN-GRITS, CORN FLAKES, RICE GRITS, RICE FLAKES, GROUND RICE, AND WHOLE RICE FOR FOOD PURPOSES. MIL-FORD FOOD PRODUCTS CO., Milford, Mich.
Filed January 29, 1937. Serial No. 388,329. PUBLISHED APRIL 13, 1937. Class 46.

347,341. UMBRELLAS. ELMER KREIS & CO., Chicago, Ill.
Filed January 30, 1937. Serial No. 388,354. PUBLISHED MARCH 30, 1937. Class 41.

347,342. FOOT SOAP. SINCLAIR G. STANLEY, doing business as Stanis, Chicago, Ill.
Filed January 30, 1937. Serial No. 388,374. PUBLISHED APRIL 13, 1937. Class 4.

347,343. FLUSHING POWDER FOR BATH ROOM FIXTURES AND THE LIKE—NAMELY, A TOILET BOWL CLEANER. DERRIS, INC., New York, N. Y.
Filed February 1, 1937. Serial No. 388,390. PUBLISHED APRIL 6, 1937. Class 4.

347,344. GIRLS' FROCKS, BOYS' SUITS, AND CHILDREN'S DRESSES. THE MAYER-NOCK CO., Philadelphia, Pa.
Filed February 3, 1937. Serial No. 388,477. PUBLISHED APRIL 6, 1937. Class 39.

347,345. PAPER TABLE COVERS. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed February 5, 1937. Serial No. 388,478. PUBLISHED APRIL 13, 1937. Class 37.

347,346. PAPER TOWELS. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed February 5, 1937. Serial No. 388,479. PUBLISHED APRIL 13, 1937. Class 37.

347,347. TOILET TISSUE PAPER. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed February 5, 1937. Serial No. 388,480. PUBLISHED APRIL 13, 1937. Class 37.

347,348. COIN-OPERATED VENDING AND AMUSEMENT MACHINE, I. E., CRANE AND BUCKET AMUSEMENT AND CANDY PRIZE VENDING MACHINES. INTERNATIONAL MUTOSCOPE REEL CO. INC., New York, N. Y.
Filed February 3, 1937. Serial No. 388,501. PUBLISHED APRIL 13, 1937. Class 22.

347,349. LINIMENT FOR NEURALGIA, ARTHRITIS, RHEUMATISM, AND PLEURISY. LOUIS P. MARTIN, Saugus, Mass.
Filed February 3, 1937. Serial No. 388,505. PUBLISHED APRIL 6, 1937. Class 6.

347,350. SKIN LOTIONS AND SCALP LOTIONS. BONNE BELL, INC., Cleveland (Lakewood), Ohio.
Filed February 4, 1937. Serial No. 388,527. PUBLISHED APRIL 6, 1937. Class 6.

347,351. DULL SHEEN KID LEATHER. SURPASS LEATHER COMPANY, Philadelphia, Pa.
Filed February 4, 1937. Serial No. 388,551. PUBLISHED APRIL 13, 1937. Class 1.

347,352. SECTIONS OR COLUMNS APPEARING IN MAGAZINES AND OTHER PUBLICATIONS. BRUNS PUBLICATIONS, INC., New York, N. Y.
Filed February 5, 1937. Serial No. 388,561. PUBLISHED APRIL 13, 1937. Class 38.

347,353. HUMUS. FLORIDA HUMUS COMPANY, Zellwood, Fla.
Filed February 5, 1937. Serial No. 388,568. PUBLISHED APRIL 13, 1937. Class 1.

347,354. PHARMACAL PREPARATION FOR USE IN THE TREATMENT OF INTESTINAL IRRITATIONS AND INFLAMMATION AND DISTURBANCES IN THE DIGESTIVE TRACT. D. FUNSTON COMPANY, Chicago, Ill.
Filed February 5, 1937. Serial No. 388,570. PUBLISHED APRIL 13, 1937. Class 6.

347,355. SHOE CLEANER. LOTANGEL CORPORATION, New York, N. Y.
Filed February 5, 1937. Serial No. 388,579. PUBLISHED APRIL 6, 1937. Class 4.

347,356. CHEMICAL ADJUVANTS FOR ANIMAL AND VEGETABLE OILS, PARTICULARLY FOR IMPROVING THE STABILIZATION CHARACTERISTICS OF PAINTS, VARNISHES, LACQUERS, LINOLEUMS, OILED CLOTH, FOOD, AND FOODSTUFFS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed February 5, 1937. Serial No. 388,588. PUBLISHED APRIL 6, 1937. Class 6.

347,357. POLE LINE HARDWARE, VIZ., STRAIN INSULATOR CLEVISES. UTILITIES SERVICE COMPANY, Allentown, Pa.
Filed February 5, 1937. Serial No. 388,598. PUBLISHED APRIL 13, 1937. Class 13.

347,358. MAGAZINES ISSUED MONTHLY. ADMINISTRATIVE PUBLISHING COMPANY, INC., Milwaukee, Wis.
Filed February 6, 1937. Serial No. 388,608. PUBLISHED APRIL 13, 1937. Class 38.

347,359. BOOTS AND SHOES MADE OF A COMBINATION OF RUBBER OR RUBBER SUBSTITUTE IN COMBINATION WITH EITHER FABRIC OR LEATHER OR BOTH. PAUL A. SPERRY, New Haven, Conn.
Filed February 6, 1937. Serial No. 388,627. PUBLISHED APRIL 13, 1937. Class 39.

347,360. BRASSIÈRES. S. LEEFMANN LIMITED, London, England.
Filed February 8, 1937. Serial No. 388,645. PUBLISHED APRIL 13, 1937. Class 39.

347,361. YARNS, SPECIALLY WOOLEN YARNS. MERKEL & KIENLIN G. m. b. H., Esslingen-Neckar, Germany.
Filed February 8, 1937. Serial No. 388,652. PUBLISHED APRIL 6, 1937. Class 43.

347,362. MONTHLY MAGAZINE OF METROPOLITAN EVENTS AND HANDBOOK OF NEW YORK CITY. THE NEW YORK CENTRAL RAILROAD COMPANY, New York, N. Y.
Filed February 8, 1937. Serial No. 388,656. PUBLISHED APRIL 13, 1937. Class 38.

347,363. FLY SWATTERS. THE COLLIS COMPANY, Clinton, Iowa.
Filed February 9, 1937. Serial No. 388,669. PUBLISHED APRIL 13, 1937. Class 50.

347,364. FLY SWATTERS. THE COLLIS COMPANY, Clinton, Iowa.
Filed February 9, 1937. Serial No. 388,670. PUBLISHED APRIL 13, 1937. Class 50.

347,365. FLY SWATTERS. THE COLLIS COMPANY, Clinton, Iowa.
Filed February 9, 1937. Serial No. 388,671. PUBLISHED APRIL 13, 1937. Class 50.

347,366. FLY SWATTERS. THE COLLIS COMPANY, Clinton, Iowa.
Filed February 9, 1937. Serial No. 388,672. PUBLISHED APRIL 13, 1937. Class 50.

347,367. FLY SWATTERS. THE COLLIS COMPANY, Clinton, Iowa.
Filed February 9, 1937. Serial No. 388,673. PUBLISHED APRIL 13, 1937. Class 50.

347,368. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF COLDS, LA GRIPPE, INFLUENZA, HEADACHE, AND NEURALGIA. WALDNER-HELLER DRUG COMPANY, Berwick, Pa.
Filed February 9, 1937. Serial No. 388,696. PUBLISHED APRIL 6, 1937. Class 6.

347,369. MEN'S PAJAMAS, MEN'S AND BOYS' UNDERWEAR, AND MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS. I. JANOV-ABELES SHIRT CO., New York, N. Y.
Filed February 11, 1937. Serial No. 388,781. PUBLISHED APRIL 13, 1937. Class 39.

347,370. POWDER CONCENTRATE FOR MAKING MAPLE FLAVORED SYRUP. THE JEL SERT COMPANY, Chicago, Ill.
Filed February 11, 1937. Serial No. 388,782. PUBLISHED APRIL 13, 1937. Class 46.

347,371. SHAVING SOAP, TOILET SOAP, GLYCERINE SOAP, BATH SOAP, CREAM SOAP, LIQUID GLYCERINE SOAP, SILVER CLEANING SOAP, SHAVING STICK. FERD. MÜLHENS, INC., New York, N. Y.
Filed February 11, 1937. Serial No. 388,791. PUBLISHED APRIL 6, 1937. Class 4.

347,372. DOG FOOD. THE RATH PACKING COMPANY, Waterloo, Iowa.
Filed February 11, 1937. Serial No. 388,798. PUBLISHED APRIL 13, 1937. Class 46.

347,373. BREAKFAST COMBINATION COMPRISING SLICED BACON AND SLICED SMOKED BONELESS HAM. F. G. VOGT & SONS, INCORPORATED, Philadelphia, Pa.
Filed February 11, 1937. Serial No. 388,812. PUBLISHED APRIL 13, 1937. Class 46.

347,374. FRESH VEGETABLES. G. A. DAHL & Co., Brawley, Calif.
Filed February 12, 1937. Serial No. 388,830. PUBLISHED APRIL 13, 1937. Class 46.

347,375. FRESH VEGETABLES. G. A. DAHL & Co., Brawley, Calif.
Filed February 12, 1937. Serial No. 388,831. PUBLISHED APRIL 13, 1937. Class 46.

347,376. EYEGLASS FRAMES OF THE FOLDING OXFORD TYPE. T. & P. OPTICAL MFG. CO., INC., New York, N. Y.
Filed February 12, 1937. Serial No. 388,858. PUBLISHED APRIL 13, 1937. Class 26.

347,377. BAND CLAMPS. McKEE BROS., Bakersfield, Calif., assignor to McKee Brothers Corporation, Bakersfield, Calif.
Filed February 13, 1937. Serial No. 388,869. PUBLISHED APRIL 13, 1937. Class 13.

347,378. CHOCOLATES AND CANDIES. SOCIETE MENIER, Paris, France.
Filed February 13, 1937. Serial No. 388,875. PUBLISHED APRIL 13, 1937. Class 46.

347,379. SEAT COVERS AND PADS. EVR-KLEAN SEAT PAD CO., St. Louis, Mo.
Filed February 15, 1937. Serial No. 388,924. PUBLISHED APRIL 13, 1937. Class 32.

347,380. SEAT COVERS AND PADS. EVR-KLEAN SEAT PAD CO., St. Louis, Mo.
Filed February 15, 1937. Serial No. 388,925. PUBLISHED APRIL 13, 1937. Class 32.

347,381. SEAT COVERS AND PADS. EVR-KLEAN SEAT PAD CO., St. Louis, Mo.
Filed February 15, 1937. Serial No. 388,926. PUBLISHED APRIL 13, 1937. Class 32.

347,382. SEAT COVERS AND PADS. EVR-KLEAN SEAT PAD CO., St. Louis, Mo.
Filed February 15, 1937. Serial No. 388,928. PUBLISHED APRIL 13, 1937. Class 32.

347,383. MAYONNAISE AND SALAD DRESSINGS IN BRICK FORM. MAYONNAISE PRODUCTS CORPORATION, New York, N. Y.
Filed February 15, 1937. Serial No. 388,949. PUBLISHED APRIL 13, 1937. Class 46.

347,384. SOAP. McCOY, JONES & WESTLAKE, INC., Chicago, Ill.
Filed February 15, 1937. Serial No. 388,950. PUBLISHED APRIL 6, 1937. Class 4.

347,385. SOFT DRINKS AND FLAVORS THEREFOR. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y.
Filed February 15, 1937. Serial No. 388,965. PUBLISHED APRIL 13, 1937. Class 45.

347,386. CANDY. ELMER CANDY CO., INC., doing business as Belle Chasse Candies, New Orleans, La.
Filed February 16, 1937. Serial No. 388,973. PUBLISHED APRIL 13, 1937. Class 46.

347,387. ELECTRICAL FIRE ALARM SIGNALING SYSTEMS AND PARTS THEREOF. THE GAMEWELL COMPANY, Newton and Newton Upper Falls, Mass.
Filed February 16, 1937. Serial No. 388,978. PUBLISHED APRIL 13, 1937. Class 21.

347,388. POCKET BOOKS AND WALLETS. WENDELL J. CALEY, Philadelphia, Pa.
Filed February 17, 1937. Serial No. 389,010. PUBLISHED APRIL 13, 1937. Class 3.

347,389. POLISH HAVING INCIDENTAL CLEANING PROPERTIES RECOMMENDED FOR POLISHING AND FINISHING SILVER, GOLD, PLATINUM, AND OTHER METALS, AND GLASS, CHINA, MARBLE, HARD ENAMELS, AND SIMILAR MATERIALS. SAMUEL STEINBERG, doing business as Mirpo Products Mfg. Co., La Porte, Ind.
Filed February 17, 1937. Serial No. 389,044. PUBLISHED APRIL 13, 1937. Class 4.

347,390. COLOR FILTERS FOR USE WITH PHOTOELECTRIC CELLS. WESTON ELECTRICAL INSTRUMENT CORPORATION, Newark, N. J.
Filed February 17, 1937. Serial No. 389,047. PUBLISHED APRIL 13, 1937. Class 26.

347,391. CHIPS MADE FROM WHOLE TAMALE CORN. ALBRO GEORGI WYNKOOP, doing business as Dain-Tee Food Products, San Francisco, Calif.
Filed February 17, 1937. Serial No. 389,048. PUBLISHED APRIL 13, 1937. Class 46.

347,392. CIGARS. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed February 18, 1937. Serial No. 389,051. PUBLISHED APRIL 13, 1937. Class 17.

347,393. CELLULOSE FIBERS OR PULPS. BROWN COMPANY, Portland, Maine, and Berlin, N. H.
Filed February 18, 1937. Serial No. 389,052. PUBLISHED APRIL 13, 1937. Class 1.

347,394. WRAPPING PAPER. FLETCHER PAPER COMPANY, Alpena, Mich.
Filed February 18, 1937. Serial No. 389,061. PUBLISHED APRIL 13, 1937. Class 37.

347,395. MATTRESSES. LI-ON BEDDING COMPANY, Milwaukee, Wis.
Filed February 18, 1937. Serial No. 389,074. PUBLISHED APRIL 13, 1937. Class 32.

347,396. MATTRESSES. LI-ON BEDDING COMPANY, Milwaukee, Wis.
Filed February 18, 1937. Serial No. 389,075. PUBLISHED APRIL 13, 1937. Class 32.

347,397. MATTRESSES. LI-ON BEDDING COMPANY, Milwaukee, Wis.
Filed February 18, 1937. Serial No. 389,077. PUBLISHED APRIL 13, 1937. Class 32.

347,398. MATTRESSES. LI-ON BEDDING COMPANY, Milwaukee, Wis.
Filed February 18, 1937. Serial No. 389,078. PUBLISHED APRIL 13, 1937. Class 32.

347,399. COMPOUND FOR CEMENTING RUBBERLIKE MATERIAL. THE GLENN L. MARTIN COMPANY, Baltimore and Middle River, Md.
Filed February 18, 1937. Serial No. 389,085. PUBLISHED APRIL 13, 1937. Class 5.

347,400. NONALCOHOLIC BEVERAGES. VESS BEVERAGE COMPANY, INC., St. Louis, Mo.
Filed February 18, 1937. Serial No. 389,106. PUBLISHED APRIL 13, 1937. Class 45.

347,401. FRESH CITRUS FRUITS. CAMARILLO CITRUS ASSOCIATION, Camarillo, Calif.
Filed February 19, 1937. Serial No. 389,114. PUBLISHED APRIL 13, 1937. Class 46.

347,402. QUICK-DRYING LIQUID WAX. THE DAVIES-YOUNG SOAP COMPANY, Dayton, Ohio.
Filed February 19, 1937. Serial No. 389,121. PUBLISHED APRIL 13, 1937. Class 16.

347,403. GLUES AND ADHESIVES. I. F. LAUCKS, INC., Seattle, Wash.
Filed February 19, 1937. Serial No. 389,135. PUBLISHED APRIL 13, 1937. Class 5.

347,404. PLAIN AND PRINTED RAYON AND ACETATE CLOTH. CHOPAK TEXTILE CO. INC., New York, N. Y.
Filed February 20, 1937. Serial No. 389,172. PUBLISHED APRIL 13, 1937. Class 42.

347,405. DYESTUFFS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed February 17, 1937. Serial No. 389,209. PUBLISHED APRIL 13, 1937. Class 6.

347,406. CHEMICAL COMPOUNDS AND BRIGHTENING AGENTS FOR ZINC PLATING. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed February 17, 1937. Serial No. 389,210. PUBLISHED APRIL 13, 1937. Class 6.

347,407. FOUNDATION CREAM, MASCARA, EYE SHADOW CREAM, FACE POWDER, PASTE ROUGE, DRY ROUGE, AND LIPSTICK. MARIE EARLE, INC., New York, N. Y.
Filed February 23, 1937. Serial No. 389,237. PUBLISHED APRIL 13, 1937. Class 6.

347,408. GLUE AND GLUE POWDER. MAX SONDHEIMER, Stuttgart, Germany.
Filed February 23, 1937. Serial No. 389,270. PUBLISHED APRIL 13, 1937. Class 5.

347,409. POWDER PUFFS. ONYZN COMPANY, New York, N. Y.
Filed February 26, 1937. Serial No. 389,432. PUBLISHED APRIL 13, 1937. Class 29.

347,410. BRUSHES FOR BILLIARD TABLES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed February 27, 1937. Serial No. 389,452. PUBLISHED APRIL 13, 1937. Class 29.

347,411. CORDIALS. ETABLISSEMENTS PERNOD, MAISONS PERNOD FILS, HEMARD & PERNOD PERE & FILS REUNIES (SOCIÉTÉ ANONYME), Paris, France.
Filed March 2, 1937. Serial No. 389,554. PUBLISHED APRIL 13, 1937. Class 49.

347,412. CORDIALS. ETABLISSEMENTS PERNOD, MAISONS PERNOD FILS, HEMARD & PERNOD PERE & FILS REUNIES (SOCIÉTÉ ANONYME), Paris, France.
Filed March 2, 1937. Serial No. 389,555. PUBLISHED APRIL 13, 1937. Class 49.

347,413. WHISKEY. WOODFORD COUNTY DISTILLERY CO., Midway, Ky., and St. Louis, Mo.
Filed March 2, 1937. Serial No. 389,585. PUBLISHED APRIL 13, 1937. Class 49.

347,414. WHISKEY. WOODFORD COUNTY DISTILLERY CO., Midway, Ky., and St. Louis, Mo.
Filed March 2, 1937. Serial No. 389,586. PUBLISHED APRIL 13, 1937. Class 49.

347,415. RUBBER HEELS. JENCO BROTHERS, INC., Paterson, N. J.
Filed March 1, 1937. Serial No. 389,591. PUBLISHED APRIL 13, 1937. Class 39.

347,416. POLISHING WAX FOR FURNITURE, WOODWORK, LINOLEUM, RUBBER OR ASPHALT TILES, AND LACQUER POLISHES FOR AUTOMOBILE FINISHES. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn.
Filed March 4, 1937. Serial No. 389,656. PUBLISHED APRIL 13, 1937. Class 16.

347,417. GRAIN ALCOHOL. RED STAR YEAST AND PRODUCTS COMPANY, doing business as National Distilling Company, Milwaukee, Wis.
Filed March 8, 1937. Serial No. 389,796. PUBLISHED APRIL 13, 1937. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

347,418. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. W. WOODWORTH, doing business as Becker's Bakery, Spartansburg, S. C. Filed Mar. 11, 1935. Serial No. 362,393.

HUNNIE PIE

For Cakes.
Claims use since Mar. 1, 1935.

347,419. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROMAN MEAL COMPANY, Tacoma, Wash. Filed Jan. 27, 1936. Serial No. 374,157.

SPEED-I-MIX

For Piecrust Mix.
Claims use since Jan. 18, 1936.

347,420. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT MOSHEIM, doing business as Wembley, New York, N. Y. Filed Feb. 6, 1936. Serial No. 374,566.

Wembley

For Face Powder, Bath Powder, Talcum Powder, After-Shaving Lotion, Toilet Water, Sachet, and Bath Crystals.
Claims use since Jan. 23, 1936.

347,421. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A C SPARK PLUG COMPANY, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware. Filed Feb. 19, 1936. Serial No. 375,000.

TROY

For Spark Plugs and Spark Plug Porcelains.
Claims use since Dec. 16, 1935.

347,422. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) A. M. & J. SOLARI, LTD., New Orleans, La. Filed Feb. 28, 1936. Serial No. 375,355.

SOLARI'S

Cherry Bounce

For Cherry Liqueur.
Claims use since Dec. 3, 1935.

347,423. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHIL KLEIN, New York, N. Y., assignor to Always Dry Processing Corporation, New York, N. Y., a corporation of New York. Filed Apr. 7, 1936. Serial No. 376,905.

Always Dry

For Water Repellent Processing Fluid.
Claims use since Apr. 2, 1936.

347,424. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN LAHOUD, Caracas, Venezuela. Filed Apr. 21, 1936. Serial No. 377,466.

JOHN LAHOUD

For Perfumed Soaps and Shaving Creams.
Claims use since Dec. 1, 1935.

347,425. (CLASS 39. CLOTHING.) FREDERICK'S GOWN SHOP, INC., Montclair, N. J. Filed Apr. 29, 1936. Serial No. 377,788.

Shirtailor

For Ladies' Dresses Made of Cotton, Silks, Rayon, and Associated Fabrics.
Claims use since Mar. 23, 1936.

347,426. (CLASS 2. RECEPTACLES.) KNAPP-MONARCH COMPANY, doing business as Faultless Mfg. Co., St. Louis, Mo. Filed May 11, 1936. Serial No. 378,317.

FAULTLESS

For Insulated Containers or Insulated Jugs.
Claims use since Mar. 17, 1936.

347,427. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) UNITED ELASTIC CORPORATION, Easthampton, Mass. Filed May 14, 1936. Serial No. 378,163.

ShrinkNix

For Covered Rubber Thread and Elastic Webbing.
Claims use since Apr. 17, 1936.

347,428. (CLASS 39. CLOTHING.) H. BOMZE AND BRO., Philadelphia, Pa. Filed May 19, 1936. Serial No. 378,609.

June Arden

For Ladies' and Misses' Coats, Suits, and Dresses.
Claims use since May 1, 1936.

347,429. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) HERCULES POWDER COMPANY, Wilmington, Del. Filed May 20, 1936. Serial No. 378,659.



For Blasting Caps.
Claims use since Apr. 23, 1936.

347,430. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HELENA RUBENSTEIN INC., New York, N. Y. Filed May 21, 1936. Serial No. 378,711.

sun tonic

For Preparation for Preventing Sunburn.
Claims use since May 1, 1936.

347,431. (CLASS 39. CLOTHING.) INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed May 29, 1936. Serial No. 379,049.

SPUN LYLE

For Hosiery.
Claims use since May 5, 1936.

347,432. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LYDIA O'LEARY, INC., New York, N. Y. Filed July 2, 1936. Serial No. 380,525.

SPOT-STIK

For a Salve to Conceal Blemishes.
Claims use since Mar. 2, 1936.

347,433. (CLASS 37. PAPER AND STATIONERY.) NATION WIDE PAPERS, INC., Chicago, Ill. Filed July 22, 1936. Serial No. 381,320.

BRITE OPAQUE

For Writing Paper, Printing Paper, Text Paper, Bond Paper, and Envelopes.
Claims use since May 1, 1936.

347,434. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MIL-HONE PRODUCTS CO., New York, N. Y. Filed Aug. 21, 1936. Serial No. 382,439.

EVEREADY

For Fruit Juices and Flavoring Extracts for Alcoholic Liquors.
Claims use since April, 1936.

347,435. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STANDARD MAILING MACHINES COMPANY, Everett, Mass. Filed Oct. 20, 1936. Serial No. 384,598.

Standard

For Mail Handling Machines and Devices and Parts Thereof, Such as Envelope Sealing Machines and Devices, Stamp Affixing Machines and Devices, Combined Automatic Envelope Feeding, Flap Sealing, Stamp Affixing and Cancelling Machines and Devices; Combined Automatic Envelope Feeding, Flap Sealing, and Indicia Printing Machines and Devices.
Claims use since June 1, 1912.

347,436. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SERVICE DEVICES INCORPORATED, New York, N. Y. Filed Nov. 17, 1936. Serial No. 385,649.

Serv-Ice

For Ice Shaving and Chipping Machines.
Claims use since Apr. 10, 1936.

347,437. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GARRISON & SON, Yonkers, N. Y. Filed Jan. 5, 1937. Serial No. 387,465.

COUGH
GARRISON'S
MIXTURE
TRADE MARK

For Liquid Cough Mixture Preparation.
Claims use since Oct. 17, 1935.

347,438. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FOSTORIA PRESSED STEEL CORP., Fostoria, Ohio. Filed Jan. 14, 1937. Serial No. 387,782.

TITE
SEAL

For Non-Hardening Plastic Sealing Compound for Use in Setting Pressure Gaskets, and as a Substitute for Such Gaskets, and for Similar Uses in the Setting of Non-Mechanical Joints Where Gasket-Tight Seal Is Desired, and for the Additional Uses of Sealing and Packing Breaks in Solid Body Metallic and Non-Metallic Materials Such as Engine Parts and Body Parts of Automobiles, and for Such Similar General Uses.
Claims use since June, 1935.

347,439. (CLASS 37. PAPER AND STATIONERY.) DIXIE WAX PAPER COMPANY, Dallas, Tex. Filed Jan. 19, 1937. Serial No. 387,937.

WAXSHEEN

For Moisture and Moisture Vapor Proof Wrapping Paper.
Claims use since Sept. 15, 1935.

347,440. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HIESTER M. NAGLE, doing business as Nagle Drug Company, Baltimore, Md. Filed Feb. 1, 1937. Serial No. 388,404.

NAGLE'S
Clear
Eye



For Antiseptic Eye Lotion.
Claims use since July 18, 1934.

347,441. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD ZIMMER, doing business as Bestever Products Co., Chicago, Ill. Filed Feb. 1, 1937. Serial No. 388,425.

BESTEVER

For Liniments for External Application for Bruises Resulting from Sprains and the Like, and Internal Use, to Be Taken 7 to 10 Drops to a Teaspoonful of Sugar for Cramps, Colic, and the Like; Liquid Ink and Stain Removers; Liquid Bluings; Beauty Preparations—Namely, Cold Creams, Lotions, and Perfumes; Antiseptic and Healing Salves for Application Locally to Burns, Bruises, Etc.; Liquid Fly Killers; Aspirin Tablets; and Insecticides.
Claims use since June 15, 1924.

347,442. (CLASS 31. FILTERS AND REFRIGERATORS.) GIBSON ELECTRIC REFRIGERATOR CORPORATION, Greenville, Mich. Filed Feb. 18, 1937. Serial No. 389,063.

FREEZ'R SHELF

For Refrigerators.
Claims use since Jan. 16, 1935.

347,443. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRVING S. LAWRENCE, doing business as Oil-Salve Company, Brooklyn, N. Y. Filed Feb. 17, 1937. Serial No. 389,211.

OILSAV

For Salve of Counterirritant and Analgesic Properties Used in Relieving the Discomforts of Pain in the Muscles and Simple Stiffness Due to Cold and Exposure.
Claims use since Jan. 1, 1931.

347,444. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WRIGHT & LAWRENCE, Chicago, Ill. Filed Mar. 11, 1937. Serial No. 389,950.

Peau Sèche

For Liquefying Cream, Foundation Cream, Cold Cream, Dry Skin Cream, Deodorizing Pencil, Face Powder, Rouge and Lip Stick, and Liquid Powder Base.
Claims use since Aug. 1, 1935.

347,445. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MEYER R. ALBERT, doing business as Albert Tire Company, Philadelphia, Pa. Filed Mar. 12, 1937. Serial No. 389,968.

SURE GRIP

For Vehicle Tires of Rubber, Fabric, and or Combinations of the Same.
Claims use since Jan. 23, 1930.

347,446. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed Mar. 20, 1937. Serial No. 390,322.

VOGUE

For Cleansing Cream, Face Powder, Lipstick, Rouge, and Toilet Water.
Claims use since 1902.

347,447. (CLASS 39. CLOTHING.) GLOBE MILLS, INC., West Leesport, Pa. Filed Mar. 22, 1937. Serial No. 390,364.

Leesport

For Men's, Women's, and Children's Underwear and Sportswear Namely, Knit Polo Shirts, Waists, and Pajamas.
Claims use since Jan. 1, 1929.

347,448. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) C. M. KIMBALL CO., Everett, Mass. Filed Mar. 22, 1937. Serial No. 390,370.

SPRA-KLEEN

For Preparation for Cleaning Glass Windows, Windshields, and the Like.
Claims use since Feb. 24, 1936.

347,449. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BALDWIN BELTING & LEATHER COMPANY, New York, N. Y. Filed Apr. 5, 1937. Serial No. 390,947.

RAMAPO

For Leather Belting.
Claims use since June 4, 1925.

347,450. (CLASS 39. CLOTHING.) IRVING KOTZEN, New York, N. Y. Filed Apr. 6, 1937. Serial No. 391,006.

Play N. Swim Suits

For Ladies' and Misses' Blouses, Dresses, Skirts, Culottes, Playsuits, and Halters.
Claims use since June, 1933.

347,451. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SPANISH TRADING CORPORATION, New York, N. Y. Filed Apr. 20, 1937. Serial No. 391,673.

Old Madrid

For Perfume, Toilet Water, Face Creams, Face Powder, Talcum Powder, Lotions for the Skin and Hair, and Shampoos.
Claims use since Jan. 31, 1925.

347,452. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) UNITED DISTILLERS (OF AMERICA), LTD., Baltimore, Md. Filed Apr. 27, 1937. Serial No. 391,935.

Old Sheridan

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials
Claims use since Mar. 15, 1936.

347,453. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BORDEAUX CHAMPAGNE CO., Brooklyn, N. Y. Filed May 3, 1937. Serial No. 392,192.

Bordeaux Champagne

For Non-Alcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since July 7, 1933.

347,454. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) PARKER WHITE-METAL & MACHINE CO., Erie, Pa. Filed May 11, 1937. Serial No. 392,605.

PARKER

For Die Castings.
Claims use since 1925.

347,455. (CLASS 27. HOROLOGICAL INSTRUMENTS.) PIERCE WATCH CO., INC., New York, N. Y. Filed May 11, 1937. Serial No. 392,606.

PIERCE

For Watches, Watch Movements, and Watch Cases.
Claims use since Apr. 15, 1931.

TRADE-MARK REGISTRATIONS RENEWED

14,423. MILLS, MACHINERY, STEAM ENGINES AND MILL AND ENGINE SUPPLIES. Registered May 24, 1887. EDWARD P. ALLIS & CO. Re-renewed May 24, 1937, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware, assignee by mesne assignments.

116,268. MEDICINAL REMEDIES FOR CERTAIN DISEASES, SUCH AS INDIGESTION, DYSPEPSIA, AND CONSTIPATION. Registered April 24, 1917. CHARLES ALLEN, St. Louis, Mo. Renewed April 24, 1937, to Hogan Advertising Company, Kansas City, Mo., a corporation of Missouri, assignee by mesne assignments.

116,405. ILLUMINATING, LUBRICATING, AND BURNING OILS AND GREASES. Registered May 1, 1917. CREW LEVICK COMPANY, Philadelphia, Pa. Renewed May 1, 1937, to Cities Service Oil Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

116,497. SUGAR FOR USE AS A FOOD. Registered May 8, 1917. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y. Renewed May 8, 1937, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey.

116,640. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLE CANVAS SHOES. Registered May 15, 1917. HOOD RUBBER COMPANY, Watertown, Mass. Renewed May 15, 1937, to Hood Rubber Company, Inc., Wilmington, Del., a corporation of Delaware, assignee.

116,641. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLE CANVAS SHOES. Registered May 15, 1917. HOOD RUBBER COMPANY, Watertown, Mass. Renewed May 15, 1937, to Hood Rubber Company, Inc., Wilmington, Del., a corporation of Delaware, assignee.

116,642. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLE CANVAS SHOES. Registered May 15, 1917. HOOD RUBBER COMPANY, Watertown, Mass. Renewed May 15, 1937, to Hood Rubber Company, Inc., Wilmington, Del., a corporation of Delaware, assignee by mesne assignments.

116,643. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLE CANVAS SHOES. Registered May 15, 1917. HOOD RUBBER COMPANY, Watertown, Mass. Renewed May 15, 1937, to Hood Rubber Company, Inc., Wilmington, Del., a corporation of Delaware, assignee by mesne assignments.

116,745. VARNISH; PAINT, DRY, PASTE, REDMIXED, AND CERAMIC; SHELLAC VARNISH, JAPAN, ENAMEL, STAINS, AND FILLERS. Registered May 22, 1917. CHICAGO VARNISH COMPANY, Chicago, Ill. Renewed May 22, 1937, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware, assignee by mesne assignments.

116,807. CIGARS. Registered May 22, 1917. UNITED CIGAR MANUFACTURERS COMPANY. Renewed May 22, 1937, to General Cigar Co., Inc., New York, N. Y., a corporation of New York, by change of name.

116,826. ILLUMINATING, LUBRICATING, AND BURNING OILS AND GREASES. Registered May 29, 1917. CREW LEVICK COMPANY, Philadelphia, Pa. Renewed May 29, 1937, to Cities Service Oil Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

116,859. BODIES AND TOPS AND PARTS OF SAME FOR CERTAIN NAMED VEHICLES. Registered May 29, 1917. REX MANUFACTURING COMPANY, Connersville, Ind., a corporation of Indiana. Renewed May 29, 1937.

116,866. LOADING IMPLEMENTS FOR RIFLE, PISTOL, AND SHOTGUN CARTRIDGES AND MOLDS FOR BULLETS. Registered May 29, 1917. PHINEAS M. TALCOTT, New Haven, Conn. Renewed May 29, 1937, to The Lyman Gun Sight Corporation, Middlefield, Conn., a corporation of Connecticut, successor.

116,917. COMPOSITION SOLES USED ON RUBBER AND WOOLEN FOOTWEAR. Registered June 5, 1917. MISHAWAKA WOOLEN MANUFACTURING COMPANY. Renewed June 5, 1937, to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana, by change of name.

116,967. CIGARETTES. Registered June 5, 1917. DAVID PER H. MINASSIAN, New York, N. Y. Renewed June 5, 1937.

116,978. LEATHER BELTING. Registered June 5, 1917. LOOVA A. RANIVILLE. Renewed June 5, 1937, to F. Raniville Company, Grand Rapids, Mich., a corporation of Michigan, successor.

117,043. TALCUM POWDER, PERFUME, COLD CREAM, SACHET-POWDER, TOILET WATER, AND FACE-POWDER. Registered June 12, 1917. JAMES S. KIRK & COMPANY, Chicago, Ill. Renewed June 12, 1937, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

117,172. GLOVES. Registered June 19, 1917. R. H. MACY & CO. Renewed June 19, 1937, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York, assignee.

117,173. GLOVES. Registered June 19, 1917. R. H. MACY & CO. Renewed June 19, 1937, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York, assignee.

117,178. STOCK FEED. Registered June 19, 1917. GEO. B. MATTHEWS & SONS. Renewed June 19, 1937, to Geo. B. Matthews & Sons, Inc., New Orleans, La., a corporation of Louisiana, assignee.

117,272. TOILET-PAPER AND PAPER TOWELS. Registered June 26, 1917. WORTENDYKE MANUFACTURING COMPANY, Richmond, Va., a corporation of Virginia. Renewed June 26, 1937.

117,311. SOAP, SOAP POWDER, AND WASHING POWDER. Registered July 3, 1917. THE GLOBE SOAP COMPANY. Renewed July 3, 1937, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

117,362. CERTAIN NAMED HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES. Registered July 3, 1917. WALTER G. RUGGLES COMPANY. Renewed July 3, 1937, to Ruggles-Klingemann Mfg. Co., Boston, Mass., a corporation of Massachusetts, by change of name.

117,458. POULTRY FEED. Registered July 10, 1917. GEO. B. MATTHEWS & SONS. Renewed July 10, 1937, to Geo. B. Matthews & Sons, Inc., New Orleans, La., a corporation of Louisiana, assignee.

117,490. CIGARETTES. Registered July 10, 1917. THE UNITED KINGDOM TOBACCO COMPANY, LIMITED. Renewed July 10, 1937, to The United Kingdom Tobacco Co., Ltd., London, England, a corporation of Great Britain, assignee.

117,554. BOUILLON-CUBES AND BEEF EXTRACTS. Registered July 17, 1917. HART & COMPANY, New York, N. Y., a firm. Renewed July 17, 1937.

117,650. A TREATMENT FOR DISTEMPER. Registered July 24, 1917. THE DELSON CHEMICAL CO. INC., New York, N. Y. Renewed July 24, 1937, to The Delson Chemical Co. Inc., Brooklyn, N. Y., a corporation of New York.

117,837. CERTAIN NAMED FOODS. Registered August 7, 1917. CURTICE BROTHERS CO., Rochester, N. Y., a corporation of New York. Renewed August 7, 1937.

117,946. SALVES AND OINTMENTS FOR EXTERNAL APPLICATION FOR CUTS, BRUISES, BURNS, AND DISEASES OF THE SKIN. Registered August 7, 1917. TAKAMINE LABORATORY, INC., New York, N. Y. Renewed August 7, 1937, to Takamine Laboratory, Inc., Clifton, N. J., a corporation of New York.

117,960. SOAP. Registered August 7, 1917. WEST COAST SOAP COMPANY, Oakland, Calif., a corporation of California. Renewed August 7, 1937.

117,981. ELECTRIC SOUND-PRODUCING SIGNALING DEVICES. Registered August 14, 1917. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Renewed August 14, 1937, to Benjamin Electric Manufacturing Company, Des Plaines, Ill., a corporation of Illinois.

118,202. SOAP. Registered August 21, 1917. JAMES S. KIRK & COMPANY, Chicago, Ill. Renewed August 21, 1937, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

118,300. SOAP. Registered August 28, 1917. JAMES S. KIRK & COMPANY, Chicago, Ill. Renewed August 28, 1937, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

118,351. CIGARS. Registered August 28, 1917. UNITED CIGAR MANUFACTURERS COMPANY. Renewed August 28, 1937, to General Cigar Co., Inc., New York, N. Y., a corporation of New York, by change of name.

118,384. A MONTHLY PERIODICAL. Registered September 4, 1917. CHILDS COMPANY, New York, N. Y., a corporation of New York. Renewed September 4, 1937.

118,561. CERTAIN NAMED BELTING, HOSE, AND MACHINERY PACKING. Registered September 18, 1917. THE NATIONAL SUPPLY COMPANY. Renewed September 18, 1937, to The National Supply Company of Delaware, Toledo, Ohio, a corporation of Delaware, assignee by mesne assignments.

118,627. SOAPS. Registered September 25, 1917. COLGATE & CO., Jersey City, N. J., and New York, N. Y. Renewed September 25, 1937, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

118,679. STEAM-LOCOMOTIVES. Registered September 25, 1917. LIMA LOCOMOTIVE WORKS, INC., Lima, Ohio, a corporation of Virginia. Renewed September 25, 1937.

118,720. CIGARS. Registered September 25, 1917. UNITED CIGAR MANUFACTURERS COMPANY. Renewed September 25, 1937, to General Cigar Co., Inc., New York, N. Y., a corporation of New York, by change of name.

118,796. WHEAT-FLOUR. Registered October 2, 1917. THE MANSFIELD MILLING CO., Mansfield, Ohio. Renewed October 2, 1937, to Federal Mill, Inc., Lockport, N. Y., a corporation of New York, assignee by mesne assignments.

118,834. ELECTRICAL CONDUITS. Registered October 2, 1917. TRIANGLE CONDUIT CO. INC., Brooklyn, N. Y. Renewed October 2, 1937, to Triangle Conduit & Cable Co. Inc., New York, N. Y., a corporation of New York, by change of name.

118,896. SILK PIECE GOODS. Registered October 9, 1917. H. R. MALLINSON & CO. Renewed October 9, 1937, to Mallinson Fabrics Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

119,014. A NON-TOXIC AND NON-CAUSTIC ANTISEPTIC. Registered October 23, 1917. THE ABBOTT LABORATORIES, Chicago, Ill. Renewed October 23, 1937, to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois.

119,080. SUGAR. Registered October 23, 1917. IMPERIAL SUGAR COMPANY, Sugar Land, Tex., a corporation of Texas. Renewed October 23, 1937.

119,130. PIANOS. Registered October 23, 1917. HARRY J. SOHMER, doing business as Sohmer & Co., New York, N. Y. Renewed October 23, 1937.

119,188. SHINGLES, LATHS, SAWED LUMBER, PLANED LUMBER, SAWED TIMBERS AND PLANED TIMBERS. Registered October 30, 1917. GREAT SOUTHERN LUMBER CO., Bogalusa, La., a corporation of Pennsylvania. Renewed October 30, 1937.

119,221. CERTAIN NAMED PRINTS AND PUBLICATIONS. Registered October 30, 1917. WALDES & COMPANY OF NEW JERSEY, New York, N. Y. Renewed October 30, 1937, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

119,222. CERTAIN NAMED PRINTS AND PUBLICATIONS. Registered October 30, 1917. WALDES & COMPANY OF NEW JERSEY, New York, N. Y. Renewed October 30, 1937, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

119,258. SELF-RISING WHEAT-FLOUR. Registered November 13, 1917. CENTENNIAL MILL COMPANY. Renewed November 13, 1937, to Centennial Flouring Mills Co., Seattle, Wash., a corporation of Washington, assignee.

119,266. SALVE OR BALM FOR TREATMENT OF CERTAIN NAMED AFFECTIONS AND DISEASES. Registered November 13, 1917. FRANK S. COLWELL, Pawnee City, Nebr. Renewed November 13, 1937.

119,357. RUBBER BELTING AND HOSE. Registered November 13, 1917. NEW YORK RUBBER COMPANY, Matteawan and New York, N. Y. Renewed November 13, 1937, to New York Rubber Corporation, Beacon, N. Y., a corporation of New York, successor.

119,364. ANTI-HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS. Registered November 13, 1917. OTTUMWA SERUM CO. Renewed November 13, 1937, to John Morrell & Co., Ottumwa, Iowa, a corporation of Maine, assignee by mesne assignments.

119,377. WHEAT-FLOUR. Registered November 13, 1917. RITZVILLE FLOURING MILLS, Ritzville, Wash. Renewed November 13, 1937, to Centennial Flouring Mills Co., Seattle, Wash., a corporation of Washington, assignee.

LABELS

REGISTERED JUNE 22, 1937

49,436.—*Title:* UNION MADE-NECKWEAR. For Neckwear. AMALGAMATED CLOTHING WORKERS OF AMERICA, New York, N. Y. Published May 22, 1937.

49,437.—*Title:* YOU WILL LIKE MY STUFF AWFUL FRESH. For Confectionery and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published May 4, 1937.

49,438.—*Title:* BART'S CREAM BREAD. For Bread. BART'S BAKERY INC., Savannah, Ga. Published April 29, 1937.

49,439.—*Title:* GRACEFUL ARCH. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published March 1, 1937.

49,440.—*Title:* SMART SHOES. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published April 29, 1937.

49,441.—*Title:* DRESSAUCE. For Salad Dressing. BLUE SEAL FOOD PRODUCTS, INC., Chicago, Ill. Published April 21, 1937.

49,442.—*Title:* BOYCO-LUSTRE. For Automobile Polish. BOYD TEA COMPANY, Portland, Oreg. Published April 19, 1937.

49,443.—*Title:* BRACH'S LEMON DROPS. For Lemon Drops. E. J. BRACH & SONS, Chicago, Ill. Published March 19, 1937.

49,444.—*Title:* DELUXE ICE CREAM "QUART SIZE". For Ice Cream. BRIDGEMAN-RUSSELL COMPANY, Duluth, Minn. Published December 1, 1936.

49,455.—*Title:* LONGFELLOW PACKAGE "QUART SIZE". For Ice Cream. BRIDGEMAN-RUSSELL COMPANY, Duluth, Minn. Published December 1, 1936.

49,446.—*Title:* PRIMUS BUTTER. For Butter. BRIDGEMAN-RUSSELL COMPANY, Duluth, Minn. Published April 10, 1937.

49,447.—*Title:* GRAND VALLEY BUTTER. For Butter. BRIDGEMAN-RUSSELL COMPANY, Duluth, Minn. Published April 10, 1937.

49,448.—*Title:* LONGFELLOW PACKAGE "PINT SIZE". For Ice Cream. BRIDGEMAN-RUSSELL COMPANY, Duluth, Minn. Published December 1, 1936.

49,449.—*Title:* DELUXE ICE CREAM "PINT SIZE". For Ice Cream. BRIDGEMAN-RUSSELL COMPANY, Duluth, Minn. Published December 1, 1936.

49,450.—*Title:* SKY SCRAPER ICE CREAM. For Ice Cream. BRIDGEMAN-RUSSELL COMPANY, Duluth, Minn. Published December 1, 1936.

49,451.—*Title:* FRYERS BY THE PIECE. For Young Chickens cut up and sold by the Piece. WILLIAM HAROLD BROWN, Tulsa, Okla. Published March 30, 1937.

49,452.—*Title:* KOOL KIX BY BUCKHECHT. For Shoes. BUCKINGHAM & HECHT, San Francisco, Calif. Published April 13, 1937.

49,453.—*Title:* TERRITORIAL NO. 326. For Butter. THE BUTLER PAPER PRODUCTS COMPANY, Toledo, Ohio. Published December 30, 1933.

49,454.—*Title:* CAMDEN BEER. For Beer. CAMDEN COUNTY BEVERAGE COMPANY, Camden, N. J. Published October 1, 1934.

49,455.—*Title:* LORD CAMDEN ALE. For Ale. CAMDEN COUNTY BEVERAGE COMPANY, Camden, N. J. Published October 1, 1934.

49,456.—*Title:* CARDINAL. For House Paint. CARDINAL PAINT CORPORATION, St. Louis, Mo. Published February 15, 1937.

49,457.—*Title:* SILVER BOND. For House Paint. CARDINAL PAINT CORPORATION, St. Louis, Mo. Published February 15, 1937.

49,458.—*Title:* WARSAW-BRAND-DELICIOUS COOKED HAM-BONELESS. For Cooked Boneless Ham. CENTROPOL COMPANY, INC., Detroit, Mich. Published May 7, 1936.

49,459.—*Title:* WARSAW-BRAND DELICIOUS COOKED PICNIC. For Cooked Picnics. CENTROPOL COMPANY, INC., Detroit, Mich. Published May 7, 1936.

49,460.—*Title:* SHOES WITH PERSONALITEE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published May 10, 1937.

49,461.—*Title:* HI-WA-SEE. For Fresh Citrus Fruits. GEORGE W. CLAPP, doing business as Hiwasee Fruit Company, Orlando, Fla. Published December 5, 1936.

49,462.—*Title:* "SENECA". For Fresh Citrus Fruits. GEORGE W. CLAPP, doing business as Hiwasee Fruit Company, Orlando, Fla. Published December 5, 1936.

49,463.—*Title:* MINERAL COLLOIDS—A COLLOIDAL PLANT FOOD. For a Colloidal Plant Food. COLLOIDAL PRODUCTS OF AMERICA, INC., Orlando, Fla. Published February 19, 1937.

49,464.—*Title:* MINRAL FOSFATES — COLLOIDAL MINERALS FOR ANIMALS AND POULTRY. For Colloidal Minerals for Animals and Poultry. COLLOIDAL PRODUCTS OF AMERICA, INC., Orlando, Fla. Published February 19, 1937.

49,465.—*Title:* WITE-FLOS. For Toilet Tissue. COOPERATIVE SALES AGENCY, Los Angeles, Calif. Published September 3, 1936.

49,466.—*Title:* ENERGINE CIGAR LIGHTER FLUID. For Lighter Fluid. THE CUMMER PRODUCTS COMPANY, Bedford, Ohio. Published March 1, 1937.

49,467.—*Title:* FIREPROOF ENERGINE (THE PERFECT DRY CLEANER). For Dry Cleaning Fluid. THE CUMMER PRODUCTS COMPANY, Bedford, Ohio. Published March 1, 1937.

49,468.—*Title:* FIREPROOF ENERGINE (THE PERFECT DRY CLEANER). For Dry Cleaning Fluid. THE CUMMER PRODUCTS COMPANY, Bedford, Ohio. Published March 1, 1937.

49,469.—*Title:* ENERGINE (INFLAMMABLE) THE PERFECT DRY CLEANER. For Dry Cleaning Fluid. THE CUMMER PRODUCTS COMPANY, Bedford, Ohio. Published March 1, 1937.

49,470.—*Title:* DE LUXE LEMON. For a Lemon Concentrate. HAROLD DOMAN, doing business as King Lemmo, Syracuse, N. Y. Published January 30, 1937.

49,471.—*Title:* THE PERFECT SWEEPING COMPOUND. For Sweeping Compound. DUSTBANE PRODUCTS COMPANY, Chicago, Ill. Published April 15, 1937.

49,472.—*Title:* FRISKO. For a Game. THE EMBOSSING COMPANY, Albany, N. Y. Published March 25, 1937.

49,473.—*Title:* KLEENTEETH. For Preparation for Cleaning Dental Plates. FASTEETH INCORPORATED, Binghamton, N. Y. Published May 10, 1937.

49,474.—*Title:* COCOANUT CREAM. For Pies. FIBREWARE CORPORATION, Franklin, Ohio. Published March 1, 1937.

49,475.—*Title:* CREAM OF FRANKFORT. For Bourbon Whiskey. W. T. FITZGERALD, doing business as Fitzgerald-Drugs, Frankfort, Ky. Published March 1, 1937.

49,476.—*Title:* GAMBLE'S STANDARD 4 HOUR VARNISH. For Varnish. GAMBLE STORES, INC., Minneapolis, Minn. Published April 26, 1937.

49,477.—*Title:* GAMBLE'S SUPER QUALITY CHROME FLOOR VARNISH. For Varnish. GAMBLE STORES, INC., Minneapolis, Minn. Published April 26, 1937.

49,478.—*Title:* GEISLER'S VITAMIN BIRD SEED. For Bird Seed. MAX GEISLER BIRD CO., New York, N. Y. Published November 10, 1936.

49,479.—*Title:* REGINA HAIR NET. For Hair Nets THE GLEMBY COMPANY, INC., New York, N. Y. Published April 15, 1937.

49,480.—*Title:* CAMEO HAIR NET. For Hair Nets. THE GLEMBY COMPANY, INC., New York, N. Y. Published February 10, 1937.

49,481.—*Title:* MONOGRAM HAIR NET. For Hair Nets. THE GLEMBY COMPANY, INC., New York, N. Y. Published April 1, 1937.

49,482.—*Title:* MUSHROOM FILLETS. For Canned Mushrooms. GROCERY PRODUCTS MANUFACTURING CORPORATION, New York, N. Y. Published May 10, 1937.

49,483.—*Title:* FRONT LINE INTERIOR WALL FINISH FLAT PAINT. For Ready Mixed Flat Paint. THE HAZARD LEAD WORKS INC., Brooklyn, N. Y. Published April 1, 1937.

49,484.—*Title:* FRONT LINE READY MIXED FLOOR ENAMEL. For Ready Mixed Floor Enamel. THE HAZARD LEAD WORKS INC., Brooklyn, N. Y. Published April 1, 1937.

49,485.—*Title:* SPECIAL RESERVE. For Apple Brandy. HICKORY TOWN DISTILLING CO., Hanover, Pa. Published April 30, 1937.

49,486.—*Title:* SPOR-TEE SPORTS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 19, 1936.

49,487.—*Title:* VOGUE SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 19, 1936.

49,488.—*Title:* SHOES THAT SATISFY. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 15, 1936.

49,489.—*Title:* THE HAZMORE SHOE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 3, 1936.

49,490.—*Title:* WELT-O-PEDIC. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 19, 1936.

49,491.—*Title:* SYLVIA BEAUTIFUL FOOTWEAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 19, 1936.

49,492.—*Title:* SMART SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published October 1, 1935.

49,493.—*Title:* LADY GAY. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published September 19, 1936.

49,494.—*Title:* BEST EVER. For Grapefruit Juice. L. E. HOLLOWAY, doing business as L. E. Holloway & Co., Leesburg, Fla., and Atlanta, Ga. Published April 7, 1937.

49,495.—*Title:* SUPREME. For Cattle Spray. FELIX HOUSEMAN, doing business as Standard Disinfectant Company, Grand Rapids, Mich. Published May 3, 1937.

49,496.—*Title:* WEST VIRGINIA HAM. For Ham. HYGRADE FOOD PRODUCTS CORPORATION, New York, N. Y. Published April 24, 1937.

49,497.—*Title:* MODERN TOYS. For Toys. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio. Published April 5, 1937.

49,498.—*Title:* WHITE UNICORN ALE. For Ale. FREDERIC ROBERT KNEIP, Beachmont, Revere, Mass. Published March 1, 1937.

49,499.—*Title:* KNICKERBOCKER TAK-A-PART SPRAY HEAD. For Shower Bath Sprays. KNICKERBOCKER RUBBER CO., Chicago, Ill. Published April 27, 1937.

49,500.—*Title:* KNICKERBOCKER SILHOUETTE SHOWER BATH OUTFIT. For Shower Bath Sprays. KNICKERBOCKER RUBBER COMPANY, Chicago, Ill. Published April 23, 1937.

49,501.—*Title:* ODESSA BRAND SALAMI. For Salami Sausage. KOSHER ZION SAUSAGE CO. OF CHICAGO, Chicago, Ill. Published April 14, 1937.

49,502.—*Title:* KRUEGER ROOT BEER. For Root Beer. KRUEGER BEVERAGE COMPANY, Newark, N. J. Published May 5, 1937.

49,503.—*Title:* ORIGINAL SPANISH OMELET SAUCE. For Spanish Omelet Sauce. JOHN V. LANDES, doing business as Landes Packing Co., Los Angeles, Calif. Published April 2, 1937.

49,504.—*Title:* AROUND THE WORLD. For Candy and Gifts. THE LEADER NOVELTY CANDY CO., INC., Brooklyn, N. Y. Published January 15, 1937.

49,505.—*Title:* LUCE. For Field Peas. LUCE PRODUCTS, INC., Lucedale, Miss. Published April 1, 1937.

49,506.—*Title:* "DOLLY MADISON" HOME MADE SUGAR AND GINGER COOKIES, LAYER AND FRUIT CAKES. For Sugar and Ginger Cookies, Layer and Fruit Cakes. SALLIE DAVIS MADISON, Hamilton, Baltimore, Md. Published March 26, 1937.

49,507.—*Title:* ICED TEA—MANNINGS SPECIAL BLEND. For Tea. MANNINGS, INC., San Francisco, Calif. Published April 28, 1937.

49,508.—*Title:* CARMAFAT. For a Pure Vegetable Product for Baking, Cooking, and Frying. MORRIS MARGOLIS, Los Angeles, Calif. Published March 5, 1937.

49,509.—*Title:* MAC'S CHINOOK BRAND. For Preserved Salmon Eggs. A. MCLIESH, Seattle, Wash. Published May 7, 1937.

49,510.—*Title:* MAC'S STEEL-HEAD BRAND. For Preserved Salmon Eggs. A. MCLIESH, Seattle, Wash. Published May 7, 1937.

49,511.—*Title:* FYFFE'S GOORA-ADMEES EMBROCATION. For Liniment. ANDREW MCNALLY, Wilmar, Calif. Published June 10, 1936.

49,512.—*Title:* MENASHA ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published February 1, 1937.

49,513.—*Title:* MENASHA FINEST BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published May 3, 1937.

49,514.—*Title:* BRENTWOOD ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published April 26, 1937.

49,515.—*Title:* BLACK KNIGHT. For Carbon Paper and Typewriter Ribbons. THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill. Published March 25, 1936.

49,516.—*Title:* GAY-BERDINE. For Dressing for Gaberdine Shoes. EDWARD B. MILLOY, doing business as Fireproof Cleaner Co., Cleveland, Ohio. Published October 1, 1936.

49,517.—*Title:* CHATEAU VILLE. For California Sherry. FRED MUTHER, doing business as Muther Wine Company, San Francisco, Calif. Published March 31, 1937.

49,518.—*Title:* FAIR-VIEW. For Port Wine. FRED E. MUTHER, doing business as Muther Wine Company, San Francisco, Calif. Published April 7, 1937.

49,519.—*Title:* NO-BLUR. For Writing and Fountain Pen Ink. NO-BLUR INK MFG. CO., Detroit, Mich. Published January 25, 1937.

49,520.—*Title:* GOLD METAL—THE PACKAGE WITH A CHARM—(HORSE DESIGN). For Oats. NORTHERN ILLINOIS CEREAL CO., Lockport, Ill. Published April 13, 1937.

49,521.—*Title:* GOLD-MEDAL—THE PACKAGE WITH A CHARM—(DOG DESIGN). For Oats. NORTHERN ILLINOIS CEREAL CO., Lockport, Ill. Published April 13, 1937.

49,522.—*Title:* BLUE FLASH SEALING TAPE. For Gummed Sealing Tape. PEERLESS PAPER SPECIALTY, INC., Philadelphia, Pa. Published May 17, 1937.

49,523.—*Title:* BRER RABBIT (GREEN). For Molasses. PENICK & FORD, LTD., INCORPORATED, New York, N. Y. Published March 26, 1937.

49,524.—*Title:* BRER RABBIT (GOLD). For Molasses. PENICK & FORD, LTD., INCORPORATED, New York, N. Y. Published May 3, 1937.

49,525.—*Title:* PENSACOLA RYE BRAND. For Rye Whiskey. PENSACOLA LIQUOR DISTRIBUTORS, INC., Pensacola, Fla. Published July 11, 1936.

49,526.—*Title:* PORCELA. For a Cleanser for Enamel and Porcelain Ware. PORCELA-RADAX CO., Pittsburgh, Pa. Published April 1, 1937.

49,527.—*Title:* RONRICO WEST INDIES COCKTAIL RUM. For Rum. PUERTO RICO DISTILLING COMPANY, Arecibo, P. R. Published March 1, 1937.

49,528.—*Title:* RHUMI-CURE. For a Liniment. WILLIAM RADEWAN, Racine, Wis. Published March 19, 1937.

49,529.—*Title:* R. R. C. DRAIN OPENER. For a Preparation for Cleaning and Opening Drains. REX RESEARCH CORPORATION, Toledo, Ohio. Published March 18, 1937.

49,530.—*Title:* SIZOR. For Hats. ST. MARKS CORPORATION, New York, N. Y. Published April 6, 1937.

49,531.—*Title:* SALEM. For Beer. SALEM BREWERY ASSOCIATION, Salem, Oreg. Published April 21, 1937.

49,532.—*Title:* NATURAL REST MATTRESS. For Mattresses. SEALY, INCORPORATED, Pittsburgh, Pa. Published February 11, 1937.

49,533.—*Title:* SLEEP ENSEMBLE MATTRESS UNIT. For Mattresses. SEALY, INCORPORATED, Pittsburgh, Pa. Published February 11, 1937.

49,534.—*Title:* SEALY TUFTLESS MATTRESS. For Mattresses. SEALY, INCORPORATED, Pittsburgh, Pa. Published March 15, 1937.

49,535.—*Title:* ENCHANTED NIGHTS MATTRESS. For Mattresses. SEALY, INCORPORATED, Pittsburgh, Pa. Published March 15, 1937.

49,536.—*Title:* SEALY TRUEASE MATTRESS. For Mattresses. SEALY, INCORPORATED, Pittsburgh, Pa. Published February 15, 1937.

49,537.—*Title:* SEALY SLEEP CHARM MATTRESS. For Mattresses. SEALY, INCORPORATED, Pittsburgh, Pa. Published February 11, 1937.

49,538.—*Title:* COOK'S BEST. For Cocoa. SIREN MILLS CORPORATION, Chicago, Ill. Published February 1, 1937.

49,539.—*Title:* NAOGEN. For Especially Prepared Aromatic Alkaline Powder Liberating Nascent Oxygen for Mucous Membrane Therapy. JEROME STUART LABORATORIES, INC., New York, N. Y. Published March 16, 1937.

49,540.—*Title:* LUBRICATING GAS-O-LINE. For a Preparation for Treating and Processing Gasoline. FRED. W. THAISON, doing business as Lubricating Gasoline Company, Houston, Tex. Published April 23, 1935.

49,541.—*Title:* BLACK LEAF 40 (NICOTINE SULPHATE). For Nicotine Sulphate. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION (INCORPORATED), Louisville, Ky. Published May 3, 1937.

49,542.—*Title:* TEMPLE'S OZONIZED CHLORINE SOLUTION TOC'S. For Chlorine Liquid Solution Used for Cleansing Purposes. TOC'S PRODUCTS CO. INC., Syracuse, N. Y. Published January 2, 1937.

49,543.—*Title:* OLD WORLD TYPE CHEESE. For Cave Aged Cheese. TWIN CITY MILK PRODUCERS ASSOCIATION, St. Paul, Minn. Published February 15, 1937.

49,544.—*Title:* HATCHET BRAND. For Canned Food Products. THE TWITCHELL-CHAMPLIN CO., Portland, Maine. Published May 12, 1936.

49,545.—*Title:* NICE KITTY. For Cat and Dog Food. VIMPEP FOODS, INC., Cambridge, Md. Published May 21, 1937.

49,546.—*Title:* RICHIE'S. For Orange Marmalade. EDWIN W. WARD, JR., doing business as The Richie Company, Sierra Madre, Calif. Published May 12, 1937.

49,547.—*Title:* WEST-WAY SOLVENT. For Cleaning Solvent. WEST-WAY CLEANING SYSTEMS, New Richmond, Wis. Published May 4, 1937.

49,548.—*Title:* BENZYNE-CRYSTALS, NON-EXPLOSIVE—CLEANING FLUID. For a Cleaning Fluid. WESTERN RESERVE LABORATORIES, Cleveland, Ohio. Published October 1, 1935.

49,549.—*Title:* WHITMAN'S FAIRHILL. For Chocolates. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa. Published May 11, 1937.

49,550.—*Title:* WIRE FLOOR EGGS. For Eggs. L. P. WRIGHT, doing business as Wright Farms, Richford, N. Y. Published March 30, 1937.

49,551.—*Title:* SELZERETTES. For a Systemic Antacid in Tablet Form. YALE PRODUCTS, INC., New York, N. Y. Published April 5, 1937.

PRINTS

REGISTERED JUNE 22, 1937

16,229.—*Title:* FRESH FIRST PRIZE PURE MEAT PRODUCTS "FROM THE GREAT CORN BELT STATES". For Meat Products. ALBANY PACKING CO., INC., West Albany, N. Y. Published August 12, 1936.

16,230.—*Title:* FIRST PRIZE PURE PORK SAUSAGE, IT'S ALL PORK! For Pork Sausage. ALBANY PACKING CO., INC., West Albany, N. Y. Published August 12, 1936.

16,231.—*Title:* FIRST PRIZE BACON. For Bacon. ALBANY PACKING CO., INC., West Albany, N. Y. Published August 12, 1936.

16,232.—*Title:* FIRST PRIZE BOLOGNAS. For Bologna. ALBANY PACKING CO., INC., West Albany, N. Y. Published August 12, 1936.

16,233.—*Title:* FIRST PRIZE HAM, DELICIOUS FLAVOR! For Ham. ALBANY PACKING CO., INC., West Albany, N. Y. Published August 12, 1936.

16,234.—*Title:* FIRST PRIZE SMOKED LIVER SAUSAGE (BRAUNSCHWEIGER). For Liver Sausage. ALBANY PACKING CO., INC., West Albany, N. Y. Published August 12, 1936.

16,235.—*Title:* FIRST PRIZE LUNCHEON LOAF. For Luncheon Loaf. ALBANY PACKING CO., INC., West Albany, N. Y. Published August 12, 1936.

16,236.—*Title:* FIRST PRIZE SKINLESS FRANKFURTS. For Skinless Frankfurts. ALBANY PACKING CO., INC., West Albany, N. Y. Published August 12, 1936.

16,237.—*Title:* FIRST PRIZE BOILED HAM. For Boiled Ham. ALBANY PACKING CO., INC., West Albany, N. Y. Published August 12, 1936.

16,238.—*Title:* FIRST PRIZE DAISY. For Daisies. ALBANY PACKING CO., INC., West Albany, N. Y. Published August 12, 1936.

16,239.—*Title:* FIRST PRIZE PRESSED HAM. For Pressed Ham. ALBANY PACKING CO., INC., West Albany, N. Y. Published August 12, 1936.

16,240.—*Title:* FIRST PRIZE FRANKFURTS. For Frankfurts. ALBANY PACKING CO., INC., West Albany, N. Y. Published August 12, 1936.

16,241.—*Title:* SQUEEK PRUF LUBRICATION. For Lubricants. ALLIANCE AUTO SERVICE, INC., Philadelphia, Pa. Published April 2, 1937.

16,242.—*Title:* HOT DIP GALVANIZING. For Galvanized Products. AMERICAN HOT DIP GALVANIZERS ASSOCIATION, INC., Pittsburgh, Pa. Published April 6, 1936.

16,243.—*Title:* BEECH-NUT ASSORTED DROPS. For Assorted Candy Drops. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published March 20, 1937.

16,244.—*Title:* BEECH-NUT SPEARMINT GUM. For Spearmint Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published April 29, 1937.

16,245.—*Title:* THRIFTY TEXTURES IN BIGELOW RUGS AND CARPETS. For Rugs and Carpets. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published April 12, 1937.

16,246.—*Title:* HEY FOLKS—STUBBY'S IN TOWN .... CAMDEN BEER. For Ale and Beer. CAMDEN COUNTY BEVERAGE COMPANY, Camden, N. J. Published October 1, 1934.

16,247.—*Title:* DRINK COCA-COLA—SERVED HERE ICE. For a Bottled Cold Beverage. THE COCA-COLA COMPANY, Atlanta, Ga. Published January 11, 1937.

16,248.—*Title:* DRINK "COCA-COLA". For Coca-Cola. THE COCA-COLA COMPANY, Atlanta, Ga. Published January 15, 1937.

16,249.—*Title:* "DRINK COCA-COLA". For Coca-Cola. THE COCA-COLA COMPANY, Atlanta, Ga. Published February 15, 1937.

16,250.—*Title:* OHIO'S LARGEST DEALERS. For Typewriters, Typewriter Stands, Portable Typewriter Cases, and Typewriter Paper. CONSOLIDATED TYPEWRITER CO., Cleveland, Ohio. Published April 4, 1937.

16,251.—*Title:* ROMANCE FURS. For Furs. CRAMER-TOBIAS CO., New York, N. Y. Published April 7, 1937.

16,252.—*Title:* CRIMPWICK. For Wicks for Fuel and Oil Burners. JACOB DIAMOND, doing business as Crimpwick Products Company, Hyde Park, Mass. Published July 1, 1936.

16,253.—*Title:* BETTY CROCKER'S CHOCOLATE "JOY CAKE"! For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published April 16, 1937.

16,254.—*Title:* HERE'S THE SHORTCAKE YOUR HUSBAND MEANS. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published May 4, 1937.

16,255.—*Title:* LORRAINE SPORTWEAR AND WATER WAVE. For Sportwear and Water Wave Nets. THE GLEMBY COMPANY INC., New York, N. Y. Published January 31, 1936.

16,256.—*Title:* FINE FOR GUNS AND REELS. For Lubricating Oil. FRANK A. HOPPE, INC., Philadelphia, Pa. Published March 31, 1937.

16,257.—*Title:* JENNINGS HOSIERY. For Hosiery. HERBERT G. JENNINGS, White Plains, N. Y. Published March 26, 1937.

16,258.—*Title:* CHEERIO YOUR FAVORITE ICE CREAM DELICIOUSLY COATED. For Frozen Stick Confectionery Products. JOE LOWE CORPORATION, York, N. Y. Published March 15, 1937.

16,259.—*Title:* THE MAGIC CONFECTION FUDGICLE, THE FUDGE FREEZE. For Frozen Stick Confectionery Products. JOE LOWE CORPORATION, New New York, N. Y. Published March 15, 1937.

16,260.—*Title:* ICE CREAM POPSICLE FUDGICLE REFRESHING. For Frozen Stick Confectionery Products. JOE LOWE CORPORATION, New York, N. Y. Published March 15, 1937.

16,261.—*Title:* KINGAN'S RELIABLE—FIT FOR A KING. For Ham and Bacon. KINGAN & COMPANY, Indianapolis, Ind. Published March 1, 1937.

16,262.—*Title:* THE LOW COST TWINS. For Gas and Electricity. LOUISVILLE GAS & ELECTRIC COMPANY, Louisville, Ky. Published May 5, 1937.

16,263.—*Title:* COLD FACTS ABOUT ICED TEA. For Tea. MANNINGS, INC., doing business as Mannings, San Francisco, Calif. Published April 28, 1937.

16,264.—*Title:* SPECIAL LINE BATTERY AND TEST CLIPS. For Battery and Test Clips. MUELLER ELECTRIC COMPANY, Cleveland, Ohio. Published May 1, 1937.

16,265.—*Title:* FOR MILD AND SEVERE CASES OF ATHLETE'S FOOT. For a Preparation for Treating Athlete's Foot. PERMEEN DERM PRODUCTS COMPANY, Roselle Park, N. J. Published March 18, 1937.

16,266.—*Title:* IT'S TIME FOR PABST. For Beer and Ale. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 10, 1937.

16,267.—*Title:* SO MUCH MORE ENJOYMENT WHEN YOU SAY PABST, AD. NO. 3204. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 15, 1937.

16,268.—*Title:* SO MUCH MORE SATISFYING WHEN YOU SAY—PABST, AD. NO. 2506. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 25, 1937.

16,269.—*Title:* SO MUCH MORE ENJOYMENT WHEN YOU SAY PABST, AD. NO. 2505. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 9, 1937.

16,270.—*Title:* SO MUCH MORE ENJOYMENT WHEN YOU SAY PABST, AD. NO. 2206. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 27, 1937.

16,271.—*Title:* SO MUCH MORE FLAVOR WHEN YOU SAY—PABST, AD. NO. 2205. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 9, 1937.

16,272.—*Title:* SO MUCH MORE ENJOYMENT WHEN YOU SAY PABST, AD. NO. 738. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 15, 1937.

16,273.—*Title:* SO MUCH MORE SATISFYING WHEN YOU SAY PABST, AD. NO. 3510. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 20, 1937.

16,274.—*Title:* SO MUCH MORE ENJOYMENT WHEN YOU SAY PABST, AD. NO. 738. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 15, 1937.

16,275.—*Title:* SO MUCH MORE FLAVOR WHEN YOU SAY—PABST, AD. NO. 4514. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published May 6, 1937.

16,276.—*Title:* SO MUCH MORE REFRESHMENT WHEN YOU SAY—PABST, AD. NO. 4513. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published April 22, 1937.

16,277.—*Title:* SO SATISFYING WHEN YOU SAY PABST, AD. NO. 4515. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published May 6, 1937.

16,278.—*Title:* SO MUCH MORE REFRESHMENT WHEN YOU SAY PABST, AD. NO. 3504. For Beer. PREMIER-PABST SALES CO., Peoria Heights, Ill. Published March 18, 1937.

16,279.—*Title:* "AS FRESH AS YOUR MORNING'S MILK" (ARPEAKO SELECTED EASTERN DRESSED FRESH PORK). For Fresh Pork. ROCHESTER PACKING CO., INC., Rochester, N. Y. Published April 12, 1936.

16,280.—*Title:* ONE ACCOUNT OUTFITS THE FAMILY. For Boys' Suits, Girls' Coats, Girls' Wash Dresses, Ladies' Coats, Ladies' Dresses, Ladies' Suits, Men's Suits, and Men's Topcoats. ROSENBAUM'S, INC., Cleveland, Ohio. Published December 1, 1936.

16,281.—*Title:* PRIZE WINNERS SAY "THANKS TO REX!" For Flour. ROYAL MILLING COMPANY, Minneapolis, Minn. Published May 2, 1937.

16,282.—*Title:* MEAT IS CHEAPER THAN DOCTOR BILLS. For Meat. JOSEPH F. SEARS, Yakima, Wash. Published March 13, 1937.

16,283.—*Title:* MEAT IS CHEAPER THAN DOCTOR BILLS. For Meat. JOSEPH F. SEARS, Yakima, Wash. Published March 13, 1937.

16,284.—*Title:* JOLLY IRISHMAN'S FURNITURE. For Furniture. SLACK FURNITURE COMPANY, East St. Louis, Ill. Published December 10, 1936.

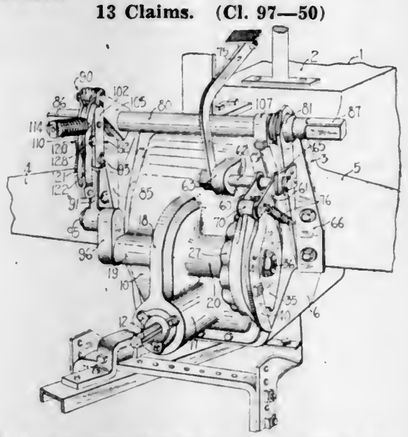
16,285.—*Title:* PARFUMS CHARTIER. For Cosmetics. WOLF DRUG COMPANY, Newark, N. J. Published April 10, 1937.

20,415
POWER LIFT MEANS FOR TRACTORS AND THE LIKE

Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Original No. 1,997,765, dated April 16, 1935, Serial No. 692,754, October 9, 1933. Application for reissue December 17, 1936, Serial No. 116,289

13 Claims. (Cl. 97—50)



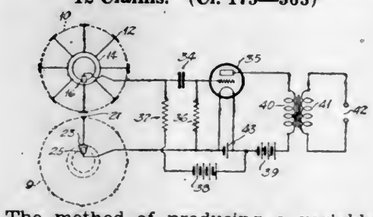
1. Power lift mechanism for tractors and the like comprising a member adapted to be secured to the tractor and including a transversely disposed bearing housing portion having a central enlarged section, a transverse shaft journaled in said bearing housing portion, means for driving said shaft including a sleeve journaled in one end of said housing portion and extending from the enlarged section thereof laterally outwardly, driving means carried by the laterally inner end of said sleeve and half-revolution clutch mechanism disposed near the other end of said sleeve and operatively connected with said shaft near one end thereof, and power lift connections arranged to be driven from the other end of said shaft.

20,416
ELECTRICAL GENERATOR

Charles A. Culver, Northfield, Minn.

Original No. 1,893,019, dated January 3, 1933, Serial No. 558,004, August 19, 1931. Application for reissue April 7, 1937, Serial No. 135,589

12 Claims. (Cl. 175—363)



1. The method of producing a variable current in the output circuit of a space discharge tube having an input circuit and output circuit including a source of current which comprises, producing condenser electrodes of such configuration as to produce a predetermined wave shape, connecting said condenser electrodes in said input circuit, and relatively moving said condenser electrodes to produce a variable current of predetermined wave form in said output circuit.

20,417
METHOD OF TREATING NATURAL AND ARTIFICIAL YARNS

John Marshall Hood, South Hadley, Mass.

No Drawing. Original No. 2,050,325 dated August 11, 1936, Serial No. 604,647, April 11, 1932. Application for reissue May 4, 1937, Serial No. 140,677

15 Claims. (Cl. 117—2)

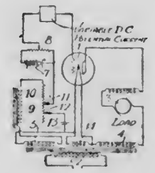
1. In a method of setting the twist of rayon, wool, real silk, cellulose acetate, and cotton yarns and the recovery for re-use by means of volatile solvents of the materials used in setting the twist as well as the recovery of the volatile solvents for the steps comprising twisting the yarns onto a suitable carrier, then setting the twist with a mixture of oils, waxes and rosin, and recovering from the woven fabric, the oils, waxes and rosin by extraction with volatile solvents and separating said solvent from the twist-setting medium by distillation.

20,418
METHOD OF CONTROLLING RECTIFIERS AND CIRCUITS THEREFOR

Wilfred H. Howe, Winchester, Mass., assignor to Atlantic Precision Instrument Company, Malden, Mass., a corporation of Massachusetts

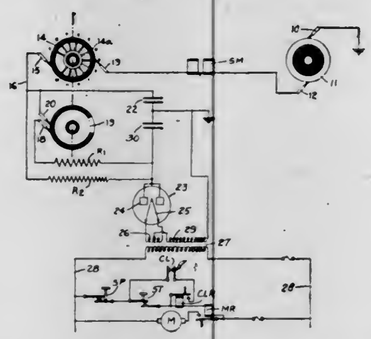
Original No. 2,020,314, dated November 12, 1935, Serial No. 682,120, July 25, 1933. Application for reissue November 12, 1935, Serial No. 49,432

19 Claims. (Cl. 172—179)



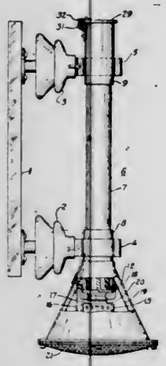
1. The method of operatively controlling electrical power passed by an ionic valve having a plurality of electrodes and voltage-responsive means for controlling the time of commencement of current flow through said valve, which comprises impressing a cyclic voltage differential between said electrodes periodically reaching a value to stop the power flow once started, impressing on said control means a cyclic voltage of the same fundamental frequency as said cyclic voltage differential, selecting the phase relationship between said cyclic voltage and said cyclic voltage differential to determine the extent and position of discontinuity of smooth control, and varying the position of the axis of said cyclic voltage to control the passage of said electric power.

20,419
SORTING MACHINE
Gunne Lowkrantz, Endicott, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original No. 1,982,216, dated November 27, 1934, Serial No. 665,656, April 12, 1933. Application for reissue June 11, 1935, Serial No. 26,042
17 Claims. (Cl. 209—110)



3. In a record controlled machine, sorting mechanism including an electromagnetic device for controlling the sorting mechanism, an electrical condenser adapted to operate the electromagnetic device by discharging through the latter, and a sorting brush responsive to data designations in a controlling record for causing the discharge of the condenser.

20,420
HIGH VOLTAGE FUSE
George B. Mangan, Washington, D. C., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Original No. 1,955,138, dated April 17, 1934, Serial No. 366,275, May 27, 1929. Application for reissue September 10, 1935, Serial No. 40,001
21 Claims. (Cl. 200—127)

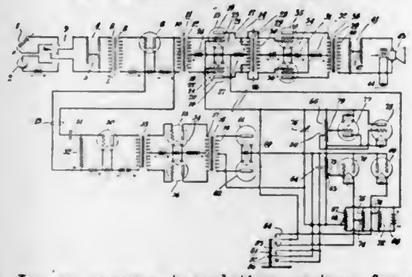


11. The combination with an electrical fuse having terminals at its ends, a supporting structure for the fuse, and a metal barrier between the ends of the tube to direct the gases away from the region between the terminals and to cool and deionize the gases in contact therewith.

20,421
ALLOY STEEL AND METHOD OF MAKING SAME
Peter Payson, New York, N. Y., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey
No Drawing. Original No. 2,009,974, dated July 30, 1935, Serial No. 6,645, February 15, 1935. Application for reissue July 22, 1936, Serial No. 91,993
21 Claims. (Cl. 148—21.5)

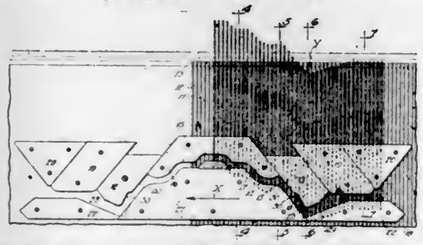
14. An alloy steel containing: about 18 to 35% chromium, about 1 to 10% nickel-like metal, and about 1 to 10% molybdenum-like metal in proportions to render said steel initially ferritic, characterized in being hardened by heating said steel and holding within the approximate temperature range of 1200 to 1800° F. until hardened, and in thereafter undergoing no substantial reduction in hardness after heating to temperatures as high as about 1400° F.

20,422
SOUND TRANSLATING SYSTEM
Arthur Pfister, Queens Village, N. Y., assignor to Newtone Engineering Inc., New York, N. Y., a corporation of New York
Original No. 2,052,110, dated August 25, 1936, Serial No. 735,190, July 14, 1934. Application for reissue April 8, 1937, Serial No. 135,702
29 Claims. (Cl. 179—100.1)



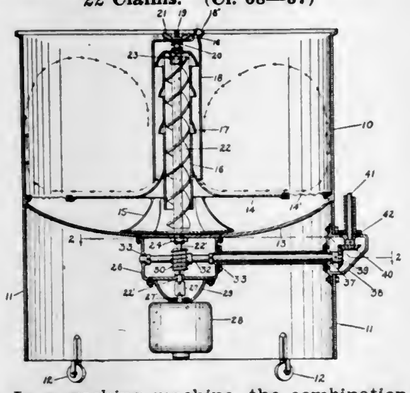
1. In an energy translating system for use with a sound record a first translating device, a second translating device fed thereby and means between said devices for discriminating against intermediate sound frequencies when the signal energy is low and for passing all sound frequencies with substantially equal efficiency when said energy is high.

20,423
KNITTING MACHINE
Ladislaus Robaczynski, Brooklyn, N. Y.
Original No. 2,067,733, dated January 12, 1937, Serial No. 40,359, September 13, 1935. Application for reissue May 1, 1937, Serial No. 140,271
3 Claims. (Cl. 66—63)



1. In a cam system for knitting machine carriages, a bridge cam comprising a main body portion and leg portions extending therefrom, said leg portions having straight angularly disposed outer edges, and a stitch cam cooperating with each leg portion of the bridge cam and having sliding engagement with the straight outer edge thereof, the inner edge and end of each leg of the bridge cam being curved with the curve terminating abruptly at the straight edge of its respective leg of the bridge cam at a point forward of the rearmost portion of the leg of the bridge cam.

20,424
WASHING MACHINE AND METHOD
William Rocke, South Bend, Ind., assignor to Bertha M. Rocke, Bloomington, Ill.
Original No. 2,021,466, dated November 19, 1935, Serial No. 26,557, June 14, 1935. Application for reissue November 12, 1936, Serial No. 111,697
22 Claims. (Cl. 68—37)

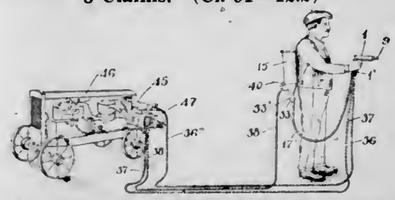


1. In a washing machine, the combination of a tub adapted to contain a body of liquid, a baffle plate extending transversely of the tub axis and lying adjacent to but separated from the bottom of the tub and having its periphery adjacent to but spaced from the wall of the tub, a perforate member extending between the baffle and tub wall, said baffle and perforate member forming a barrier between the upper and bottom portions of the tub, the normal liquid line being substantially above said baffle, pump mechanism to continuously take liquid from said bottom portion and deliver the same at a point above and substantially centrally of said baffle, means to thereafter direct said liquid over the top surface of the baffle outwardly toward the wall of the tub, whereby two cycles of movement of water are caused, a first cycle consisting of continuous movement of water successively through the pump, over said baffle and downwardly through said perforate member into said lower portion of the tub, thence into the pump, and a second cycle consisting of movement of liquid outwardly over said baffle toward the tub wall, upwardly thereafter along, inwardly toward the center of the tub, thence downwardly toward and outwardly over said baffle.

11. In a machine for treating articles of fabric or the like in a body of liquid, the combination with a liquid-holding receptacle having an outer annular zone and an inner annular zone of smaller cross sectional area than the outer zone, of means for injecting a jet of liquid into a bottom portion of the smaller zone radially outward therefrom across a bottom portion of the receptacle into the outer zone, thereby creating an upward flow along the upright wall of the outer zone, thence inwardly across an upper portion of the receptacle from the larger zone to the smaller zone and thence downwardly through the smaller zone into the incoming jet of liquid, thereby creating a cyclic flow in a body of liquid contained in the receptacle and in a plurality of upright radial planes converging from said larger zone to said smaller zone, the bottom of the receptacle being provided with an annular and an annular by-pass communicating between said annular outlet and the inlet of the injection means, the path of the cyclic flow of the liquid and fabric articles being free from moving mechanical parts of the injection means.

22. The herein described method of treating fabric articles which comprises the steps of immersing the articles in a body of liquid, hydraulically revolving the liquid radially within a zone free of moving mechanical liquid circulating means thereby creating a corresponding substantially uniform cyclic flow of the liquid throughout the zone in a plurality of upright planes extending radially from a common vertical axis and establishing in said zone small and large areas concentric with and respectively adjacent to and remote from said vertical axis, circulating the fabric articles with the liquid alternately through said small and large areas thereby compressing the articles in the small area and distending them in the large area, the aforesaid revolving of the liquid being accomplished by obtaining liquid substantially entirely at said large area and applying same at high velocity superficially to the revolving body of liquid in the direction of rotation thereof and substantially uniformly throughout a surface area thereof concentric with said vertical axis.

20,425
ATOMIZER FOR MATERIALS IN POWDER FORM
Fritz Schori, Wetzikon, Switzerland
Original No. 1,781,603, dated November 11, 1930, Serial No. 159,490, January 6, 1927. Application for reissue March 23, 1935, Serial No. 12,700. In Switzerland October 5, 1926
8 Claims. (Cl. 91—12.2)



1. An arrangement for atomizing materials and particularly materials in powder form, comprising in combination, a portable receptacle adapted to take up a stock of the material to be atomized, a flame-spraying hand-apparatus containing fuel-feeding means and a nozzle, means to supply a medium under pressure to said nozzle of the hand-apparatus whereby a suction action is generated, conduit means connecting the lower end of said receptacle to said hand-apparatus for conveying the material to be atomized from said receptacle to said hand-apparatus by the suction action of said nozzle by which it is atomized by the same pressure medium which generates the suction, a casing attached to said receptacle, a turbine wheel enclosed in and rotatably mounted in said casing, and means to supply a pressure medium to said casing for causing a rotation of said turbine wheel and to impart thereby vibrations to said receptacle in order to prevent clogging of the material to be atomized.

PLANT PATENTS

GRANTED JUNE 22, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

252

PHLOX

Elmer H. Schultz, Mentor, Ohio, assignor to The Wayside Gardens Company, Mentor, Ohio, a corporation of Ohio

Application December 11, 1936, Serial No. 115,430

1 Claim. (Cl. 47—60)

A phlox, as herein shown and described, characterized and distinguished by a vivid, sparkling, cherry-red color of bloom, a dark green, leathery foliage having a bronzy green cast, and the flower color substantially withstanding extreme conditions of seasons.

PATENTS

GRANTED JUNE 22, 1937

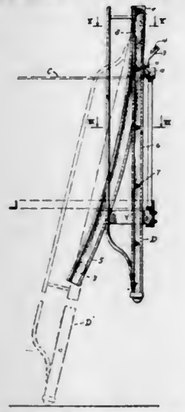
2,084,303

FIRE ESCAPE

George A. Applegarth, San Francisco, Calif.

Application March 18, 1935, Serial No. 11,645

3 Claims. (Cl. 228—17.3)



3. In a fire escape a balcony, a ladder adapted to be raised or lowered with relation thereto, a pair of channel-shaped guide members extending above the balcony to a height substantially equal to the length of the ladder and forming a guide therefor when the ladder is raised or lowered, a pair of curved extensions on the lower ends of the guide members extending slightly below the balcony, and means on the upper end of the ladder projecting into the curved lower ends of the channel members when the ladder is lowered whereby the ladder is swung to assume an inclined position when fully lowered.

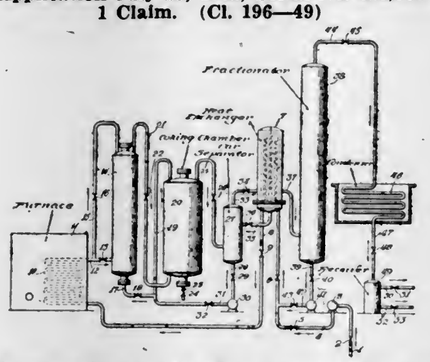
2,084,304

CONVERSION AND COKING OF HYDROCARBON OILS

Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application July 29, 1932, Serial No. 625,865

1 Claim. (Cl. 196—49)



A conversion process which comprises heating hydrocarbon oil to cracking temperature under pressure in a heating coil and then discharging the same into an enlarged separating zone, separating vapors from unvaporized oil in the separating zone, introducing the unvaporized oil to the upper portion of a coking still and distilling the same to coke in this zone, removing separated vapors from the separating zone and introducing the same to the lower portion of the coking still to pass upwardly therethrough in countercurrent contact with the unvaporized oil, separating from the coke still vapors tars and similar high coke-forming materials and returning the same to the coking still without prior heating thereof to cracking temperature, fractionating the remaining coke still vapors and supplying resultant reflux condensate to the heating coil, and finally condensing the fractionated vapors.

2,084,305

RESTRAINING DEVICE

Emma D. Bach, Portland, Oreg.

Application December 23, 1935, Serial No. 55,695

2 Claims. (Cl. 128—134)



1. In a restraining device, an elongated strap having straps and buckles at each end and adapted to be placed over the upper body portion of a patient in a recumbent position upon a bed and the end straps buckled about the side rails of the bed, a secondary strap upon the upper face of the first strap and secured thereto in a manner leaving portions unsecured, and cuffs adapted to be secured around each wrist of the patient slidably attached to the unsecured portions of the secondary strap.

2,084,306

CARBURETOR

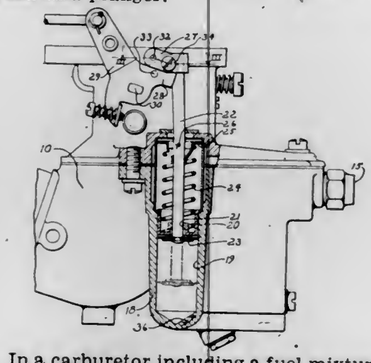
Frederick O. Ball and Thomas M. Ball, Detroit, Mich.

Application May 31, 1932, Serial No. 614,520

8 Claims. (Cl. 261—34)

1. In a carburetor having a fuel mixture passage, a throttle valve for controlling the flow of fuel mixture from said passage having a shaft journaled in the wall of said carburetor, a lever fixed on said shaft for regulating said throttle valve, a cylinder having an outlet communicating with said fuel mixture passage, a piston in said cylinder closely fitting the inner periphery thereof, a plunger in said cylinder shiftable relative

to said piston and having a stem pivotally attached to said lever, said plunger being located in advance of said piston and occupying less than the full cross-sectional area of said cylinder, and a spring having one end fixed against movement relative to said stem and its other end bearing upon said piston for yieldably urging the latter toward said plunger.



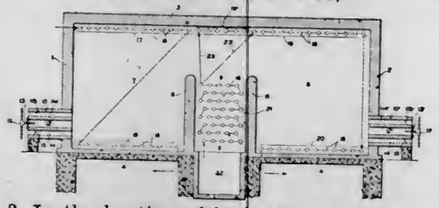
3. In a carburetor including a fuel mixture passage and a fuel reservoir, pick-up pump mechanism including a pump cylinder and piston, a liquid fuel conveying system including a chamber and having fuel passageways leading from said chamber and communicating with said cylinder, fuel mixture passage and reservoir respectively, said reservoir having an outlet port communicating with said cylinder, a metering device in the passageway leading from said cylinder to said chamber for predetermining the period of duration of the pick-up discharge, and a metering device in the passageway leading to said fuel mixture passage for metering the quantity of fuel of said pick-up discharge, the passage leading from said chamber to said reservoir being calibrated to return to said reservoir the excess fuel admitted to said chamber through the first mentioned metering device.

2,084,307
HEATING OF FLUIDS

Marion W. Barnes, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application September 22, 1934, Serial No. 745,032

5 Claims. (Cl. 196—47)



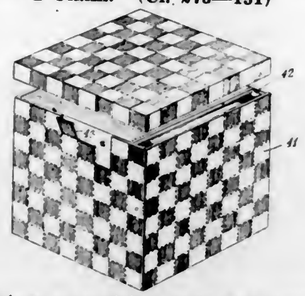
3. In the heating of hydrocarbon oils to conversion temperatures in furnaces of the character having a pair of independently fired combustion zones and a convection zone supplied with combustion gases from both said combustion zones, the method which comprises passing a stream of oil first adjacent the roof and then adjacent the floor of one of said combustion zones, and simultaneously passing a second stream of oil first through the convection zone and then adjacent the roof and finally adjacent the floor of the other of said combustion zones, and subjecting both said streams to progressively increasing rates of heating during their flow through the furnace.

2,084,308
STATIONERY CONTAINER AND TOY

Leo J. Behr, Bridgeport, Conn.

Application September 22, 1934, Serial No. 745,033

1 Claim. (Cl. 273—131)



A container comprising walls and cover forming substantially checker boards having alternating black and white fields, some of the fields foldably attached to the walls of the container and adapted to be torn therefrom and to be used as play pieces when the container, after use of the stationery contained therein, is to be used for playing a game of checkers.

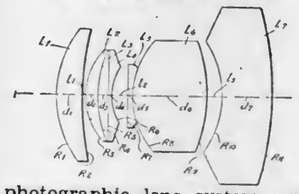
2,084,309
PHOTOGRAPHIC LENS SYSTEM

Ludwig Bertele, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany

Application January 6, 1936, Serial No. 57,643

In Germany June 16, 1934

3 Claims. (Cl. 88—57)



1. A photographic lens system consisting of four lens units separated from each other by air-spaces, the front unit being a collective lens, the second unit next to said front unit being made up of at least one positive lens and one negative lens cemented together to form a meniscus curved toward the front unit, at least one of the positive lenses having a lower refractive index than the negative lens which faces the second air-space, the concave outer face of said meniscus having a smaller radius of curvature than the convex outer face of the same, the third lens unit comprising two lenses cemented together, the one facing the second air-space being a negative lens and having a lower refractive index than the lens to which it is cemented and which is a positive lens, the rear lens unit being a concavo-convex lens the concave face of which facing the third air-space and having a smaller radius of curvature than the outer convex face, said third air space between the third unit and the rear unit having the shape of a collective meniscus curved toward the rear.

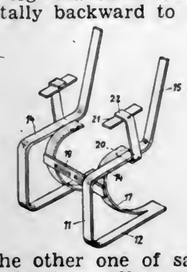
2,084,310
FRAME FOR SPRING SEATS

Marcel Breuer, Zurich, Switzerland

Application December 2, 1933, Serial No. 700,725

8 Claims. (Cl. 155—50)

1. A frame for a chair, comprising a pair of side members, means connecting the same together, each side member being formed of a bar of metal slit longitudinally to provide two strips remaining united at one end, one of said strips extending horizontally forwardly and adapted to rest upon the floor, then extending upwardly to form a front leg and then extending substantially horizontally backward to form a support



for a seat, the other one of said strips being curved upwardly, forwardly and rearwardly to form a resilient rear support for a seat, one of said strips being continued beyond its seat supporting portion to extend upwardly and thus form a support on which a back rest of the chair is adapted to be secured.

2,084,311
ARYL MERCURIC SALTS OF BENZENE CARBOXYLIC ACIDS

Carl N. Andersen, Watertown, Mass., assignor to Lever Brothers Company, a corporation of Maine

No Drawing. Application October 18, 1933, Serial No. 694,205

9 Claims. (Cl. 260—13)

1. A new organic mercury compound of the general formula $(RHg)_x.R_1$, in which R represents an aromatic structure, and in which none of the carbon atoms has direct linkage with any element other than hydrogen, carbon and mercury; in which R_1 represents the radical of an acid selected from the group consisting of the carboxylic acids of benzene and its homologues, which radical is linked to the RHg group through replacement of the carboxyl hydrogen; and in which x is an integer having a value of at least 1 and not more than the number of carboxyl hydrogens in the acid.

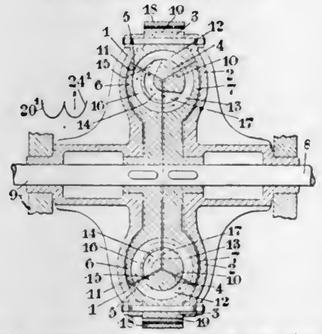
2,084,312
HYDRAULIC TRANSMISSION OF POWER

Michael Astafiev, Chelsea, London, England

Application July 8, 1933, Serial No. 679,587

In Great Britain July 9, 1932

5 Claims. (Cl. 60—54)



1. Fluid power transmitting apparatus for operation with an only partly filled operating conduit comprising coaxial rotary driving and driven members and passages provided with vanes having wholly concave operating faces, said passages co-operating to define a closed operating fluid circuit outside the common axis of rotation said circuit being for the greater part of its length vaned, the vanes of the driven member comprising two juxtaposed sets oppositely directed and curving inwardly in adjacent arcuate paths towards the common axis and a vaned intermediate member interposed to be passed through by the operating fluid in its passage from the said driving set of vanes to said driven sets and having its vanes directed in the opposite rotational sense to said driving set, the vanes of said intermediate member having widened outlet edges embracing the inlet edges of said two sets of driven member vanes, and the vanes throughout having low inlet and outlet angles.

2,084,313
NONCOHERING, TRANSPARENT SHEETING

Norman F. Beach, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application July 26, 1934, Serial No. 737,101

2 Claims. (Cl. 18—57)

1. A thin, transparent, cellulose acetate sheet of the wrapping type, containing finely divided chalk in an amount equal to from 0.20% to 0.30%, approximately, of the weight of the cellulose acetate, the amount of chalk being sufficient to microscopically roughen the surface of the sheet, but insufficient to impair the transparency of the sheet.

2,084,314
UREA RESINS

Howard L. Bender and Harry A. Hoffman, Bloomfield, N. J., assignors to Bakelite Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 7, 1933, Serial No. 696,986

11 Claims. (Cl. 260—3)

2. Process of preparing a urea resin which comprises admixing a urea with an aldehyde under weakly basic conditions in the presence of a nitrogenous compound more basic than urea but not sufficiently basic to cause decomposition or resinification of the aldehyde and capable of reacting with the aldehyde in the proportion of at least two mols of the compound to not more than three mols of the aldehyde and subjecting the mixture to reaction conditions.

2,084,315
FLUID DISTRIBUTION AND REGULATION

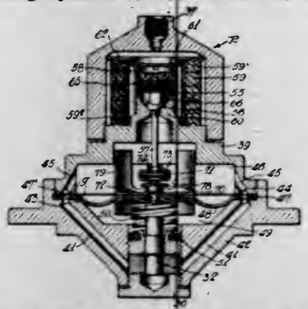
Joseph Bijur, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware

Application August 20, 1929, Serial No. 387,130

19 Claims. (Cl. 184—7)

1. A branched fluid distributing system having flow controlling outlet devices subject during operation to wide variations in flow resistance, a pressure source feeding fluid into said system, and regulator means interposed between said pressure source and the branches of said system to minimize variations in flow rate under varying resistance conditions, said regulator means including a flow resisting valve and means responsive to the flow resistance imposed by the

distributing system to determine the setting of



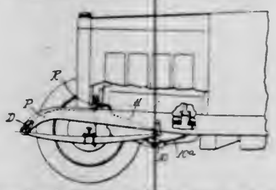
said valve for flow resistance thereof in inverse ratio to that of said distributing system.

2,084,316

LUBRICATION

Joseph Bijur, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware

Application March 11, 1930, Serial No. 434,846
56 Claims. (Cl. 184—7)



1. A branched fluid distributing system having flow controlling outlets of invariant flow resistance, a pressure source feeding fluid into said system at a pressure in excess of the pressure required to force fluid through the outlet devices at the desired rate and a pressure reducing valve obstructing and restricting the flow interposed between said pressure source and the branches of said system, said flow controlling outlets having a resistance so much higher than that of the distributing system as to have a predominating influence upon the distribution of lubricant among the outlets and said valve having an obstructing effect so materially higher than that of said outlets as to have a predominating control of the amount of fluid fed into the system.

50. A lubricant distribution system comprising a lubricant supply, a source of pressure including a lubricant pump receiving lubricant from said supply, branch conduits receiving lubricant from said source of pressure and extending to points of distribution, flow controlling outlets at the points of distribution and temperature responsive valve means to control the lubricant pressure supplied to said distribution system from said pump.

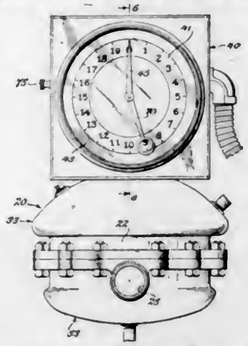
2,084,317

METER

Edward Harold Brayer, Buffalo, N. Y., assignor to Brayer Brothers Construction Corporation, Buffalo, N. Y., a corporation of New York

Application May 2, 1934, Serial No. 723,536
14 Claims. (Cl. 221—101)

1. In a fluid metering system of the character described, metering means, an electrically actuated valve for stopping the flow of liquid through said metering means, a shaft driven by said metering means, a freely rotatable member arranged concentric with said shaft, manual means for turning said rotatable member, a switch in circuit with said electrically operated valve and carried



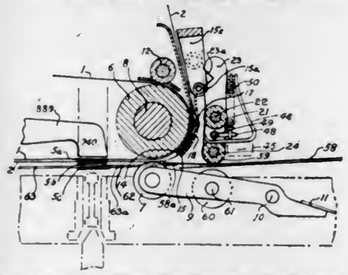
by said rotatable member and a cam carried by said shaft and actuating said switch when a predetermined relation obtains between said shaft and rotatable member.

2,084,318

PAPER FEEDING MECHANISM

Francisco Campos, Paris, France

Application November 1, 1934, Serial No. 751,102
In Great Britain November 1, 1933
5 Claims. (Cl. 197—128)



1. A paper feeding device comprising in combination, means for feeding a duplex sheet of record paper into a printing mechanism in a direction opposite to that of normal feeding, means for separating said duplex sheet to receive a duplicating medium, said means comprising a dividing element positioned adjacent an ink ribbon to cause the upper and longer fold of said duplex sheet to pass above said dividing element, and above said ink ribbon while the lower and shorter fold passes below, and means for feeding said sheet into printing position in one direction and out of printing position in the opposite direction.

2,084,319

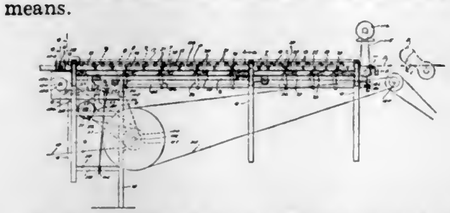
SURFACE MARKING APPARATUS

George Henry Charnock, Buffalo, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland

Application December 19, 1934, Serial No. 758,165
37 Claims. (Cl. 101—35)

1. Apparatus for marking a sheet of predetermined surface dimensions comprising means for effecting movement of said sheet laterally of and also generally in the direction of a selected surface dimension of the sheet, means for limiting said lateral motion of the sheet while permitting motion in said selected direction, and means for making a mark upon the face of said

sheet while said sheet is moving in said selected direction, said means for limiting said lateral motion being so constructed and arranged in relation to said marking means as to act substantially throughout said motion of the sheet in said selected direction to determine the position of said sheet in relation to said marking means.



12. In a printing device a printing element, and means for yieldingly supporting said printing element to move in a predetermined path, said supporting means being constructed for adjustment of the position of said element with respect to the surface to be printed without modifying the relation of the parts providing the yielding action.

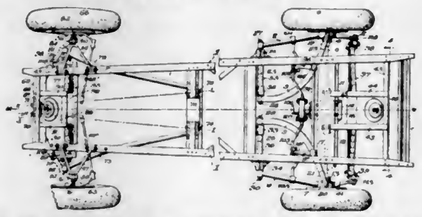
18. In a printing device, an ink roller, a squeeze roll in circumferential rolling contact with said ink roller, and adjustable means for securing a predetermined pressure of contact between said roller and said roll.

2,084,320

VEHICLE SUSPENSION

Stephen Leonard Chauncey Coleman, Fredericton, New Brunswick, Canada

Application September 25, 1934, Serial No. 745,463
18 Claims. (Cl. 280—124)



1. In a vehicle suspension, the combination with a frame, of a running gear including front and rear divided axles, pivotal connections between said axles and frame, front and rear transverse springs, pivotal connections between said springs and frame and between said springs and axles, a torsion rod pivotally mounted transversely of the frame adjacent each divided axle and a pair of arms rigid with respect to each torsion rod connecting said torsion rods and running gear.

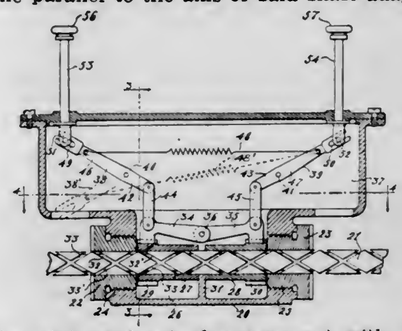
2,084,321

PROPELLING MECHANISM

Ernesto Corradino and John A. Verardo, New York, N. Y.

Application September 7, 1933, Serial No. 688,506
4 Claims. (Cl. 74—57)

1. A device of the class described comprising a rotatably mounted shaft having relatively steep left and right hand threads, and an actuating device for said shaft, including an actuator mounted on and reciprocatable along said shaft, two internally threaded nut elements inserted over said shaft within said actuator, one of said nut elements engaging the left hand thread and the other the right hand thread of said shaft, a ratchet integral with each nut adapted, when engaged by a pawl, to prevent rotation of said nut in a given direction, which is the same for both nuts, a pivotally mounted pawl movable in a plane parallel to the axis of said shaft adapted



to be set in and out of engagement with each ratchet, a lever for actuating each pawl, and a snap over spring interposed between the two levers, adapted to hold either or both pawls in their operative or inoperative position.

2,084,322

TOY RAILROAD TRACK

George A. Crane, New Rochelle, N. Y.

Application October 10, 1935, Serial No. 44,383
8 Claims. (Cl. 238—10)



1. A toy electrical railroad track rail element comprising a length of material which is a nonconductor of electricity, the top surface of said length of material having cemented to it a thin foil-like layer of metallic material which is a conductor of electricity.

2,084,323

ALCOHOL REPELLENT COMPOSITIONS AND PROCESS FOR THE MANUFACTURE THEREOF

Emile C. De Stubner, New York, N. Y.

No Drawing. Application June 11, 1934, Serial No. 730,070
6 Claims. (Cl. 106—37)

1. In the preparative treatment of alcohol-wet nitrocellulose for incorporation into alcohol-free compositions, the steps which include removing the alcohol by bringing a suitable quantity of the alcohol-wet nitrocellulose into intimate contact with a displacing agent for the alcohol and thereafter distilling off the alcohol under diminished pressure, condensing the distillate and continuing said distillation and condensation until the nitrocellulose is freed from alcohol and dispersed in the displacing agent as the dispersion medium.

2,084,324

HEAT EXCHANGER

Edward A. Dewald, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware

Application June 29, 1935, Serial No. 29,049
15 Claims. (Cl. 257—239)

1. Apparatus of the type described comprising a shell, a removable baffle within the shell and

means for forming a seal between an edge of the baffle and the shell, said means comprising a bar extending along said edge and actuating



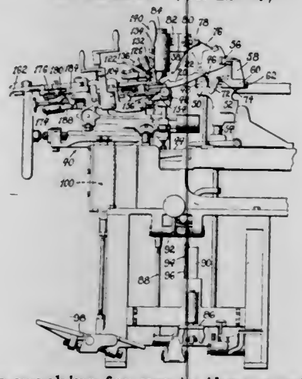
means for moving said bar toward the shell, said actuating means having a pivot contact with said bar to permit the same to adjust itself to the contour of the shell.

2,084,325
SAIL SLIDE
Charles Hugh Duffy, Miami, Fla.
Application May 17, 1934, Serial No. 726,123
7 Claims. (Cl. 114—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



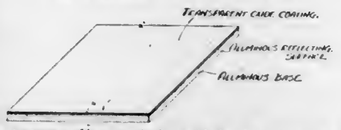
1. A slide for attachment to a spar having a track of the character described for slidably connecting a sail and its bolt-rope to the track including vertical side edge portions formed downwardly and inwardly for engagement with the track, a part of each vertical side edge portion being formed upwardly to provide a vertical bail at each side edge of the slide, a stiff metallic link having a central arcuate portion and ends for connection with each vertical of said bails, each bail including means to connectingly receive the ends of said link, said link being adapted to be passed through the sail adjacent its bolt-rope to maintain the bolt-rope of the sail between the two vertical bails and snugly against the back of the slide.

2,084,326
METHOD OF AND MEANS FOR USE IN LASTING MOCCASINS
René E. Duplessis, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 18, 1935, Serial No. 6,931
32 Claims. (Cl. 12—7)



1. In a machine for use in the manufacture of moccasins, work supporting means, a toe-embracing band constructed and arranged to wipe the forepart of a moccasin bottom heightwise of the last from the last bottom and inwardly over the top of the forepart of the last, and means for holding the last against heightwise movement.

2,084,327
COMPOSITE REFLECTOR
Junius D. Edwards, Oakmont, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 11, 1933, Serial No. 693,127
10 Claims. (Cl. 88—105)



1. A composite metal article having a durable aluminous metal reflecting surface characterized by the absence of structural markings, comprising an aluminous metal base portion and an aluminous metal surface portion provided with a clear, transparent, protective, artificial oxide coating, said surface portion having a metallic structure obtained by working together the base portion and the surface portion and producing a total reduction in the thickness of the surface portion of at least 99.5 per cent.

2,084,328
GLASS BATCH AND PROCESS OF MAKING
Howard P. Eells, Jr., Willoughby, and Harvey N. Barrett, Tiffin, Ohio, assignors to Non-Metallic Minerals, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application March 4, 1935, Serial No. 9,286
14 Claims. (Cl. 106—36.1)

1. A glass furnace charge, comprising silica, soda, and a lime component, part at least of said lime component embodying the reaction product of a limestone calcined with an aluminous flux.

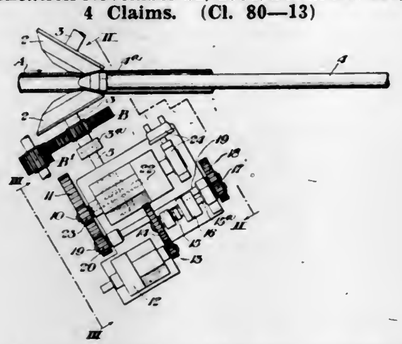
2,084,329
NITRIDED ARTICLE OF MANUFACTURE
Joseph V. Emmons, Shaker Heights, Ohio, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 26, 1934, Serial No. 750,136
3 Claims. (Cl. 148—16)

2. The method of producing a metallic article such as a tool, having great body strength and a hard wear-resistant surface, which comprises forming the body of such article of a ferrous alloy characterized by the presence therein of the following elements within the percentages given:

	Per cent
Carbon——from about 0.50% to about	1.00
Molybdenum—from about 6.00% to about	12.00
Manganese—from an effective amount to	2.00
Silicon——from an effective amount to	3.00
Chromium—from an effective amount to	5.00
Tungsten——from an effective amount to	4.00
Vanadium——from an effective amount to	3.00

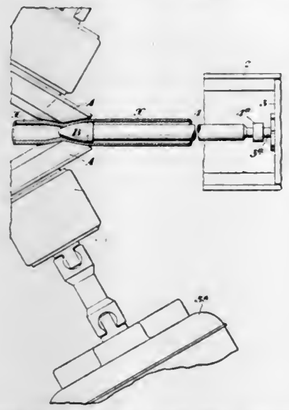
with the combined manganese, silicon, chromium, tungsten and vanadium content being equal to at least 3%, hardening said body by heat treatment, and by subsequent heat treatment tempering the core and nitriding the surface of said body, an effect of the presence of the named alloying elements in said body being to prevent the decomposition during said tempering and nitriding of a substantial portion of the martensitic structure of said body.

2,084,330
SEAMLESS PIPE OR TUBE MILL
Stevenson Findlater, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application November 21, 1934, Serial No. 754,168
4 Claims. (Cl. 80—13)



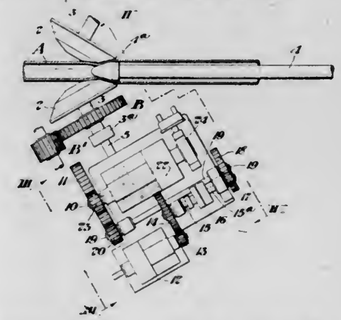
3. A seamless pipe or tube mill comprising, in combination, at least one power actuated metal working roll, a roll for coacting with said first named roll, a mandrel plug disposed intermediate said rolls, means for withdrawing at least one of said rolls to maintain a desired relationship between said rolls and the surfaces of said mandrel plug while a pipe or tube is being acted upon thereby, means responsive to the temperature of said pipe or tube for controlling the speed of operation of said withdrawing means, and means for returning the withdrawn roll to its initial position.

2,084,331
SEAMLESS PIPE OR TUBE MILL
Stevenson Findlater, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application November 21, 1934, Serial No. 754,169
4 Claims. (Cl. 80—13)



3. A seamless pipe or tube mill comprising, in combination, at least one power actuated metal working roll, a roll for coacting with said first named roll, a mandrel bar, a mandrel plug carried by said mandrel bar, said mandrel plug being adapted for disposal intermediate said rolls, means for withdrawing said mandrel plug from said rolls to maintain a desired relationship between the surfaces of said mandrel plug and said rolls while a pipe or tube is being acted upon thereby, means responsive to the temperature of said pipe or tube for controlling the speed of operation of said withdrawing means, and means for returning the withdrawn mandrel plug to its initial position.

2,084,332
APPARATUS FOR MAKING TAPERED TUBULAR WORKPIECES
Stevenson Findlater, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application December 29, 1934, Serial No. 759,803
2 Claims. (Cl. 80—13)

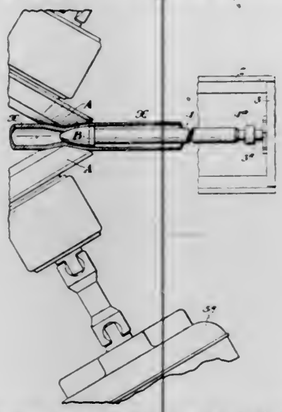


1. Apparatus for making tapered tubular work-pieces comprising, in combination, at least one power actuated metal working roll, a roll for coacting with said first named roll, a mandrel bar, a mandrel plug supported by said mandrel bar, said mandrel plug being disposed intermediate said rolls, means for withdrawing at least one of said elements to increase the distance between said rolls and the surfaces of said mandrel plug while a work-piece is being acted upon thereby, means responsive to the temperature of said work-piece for modifying the speed of operation of said withdrawing means, said withdrawing means and said last named means being constructed and cooperatively arranged to enlarge the pass while said work-piece is moving therethrough, and means for returning the withdrawn element to its initial position.

2,084,333
APPARATUS FOR MAKING TAPERED TUBULAR WORKPIECES
Stevenson Findlater, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application December 29, 1934, Serial No. 759,804
2 Claims. (Cl. 80—13)

1. Apparatus for making tapered tubular work-pieces comprising, in combination, at least one power actuated metal working roll, a roll for co-acting with said first named roll, a mandrel plug disposed intermediate said rolls, means for withdrawing said mandrel plug to increase the distance between the surfaces of said mandrel plug and said rolls while a work-piece is being acted upon thereby, means responsive to the temperature of said work-piece for modifying the speed of operation of said with-

drawing means, said withdrawing means and said last named means being constructed and cooperatively arranged to increase the distance be-



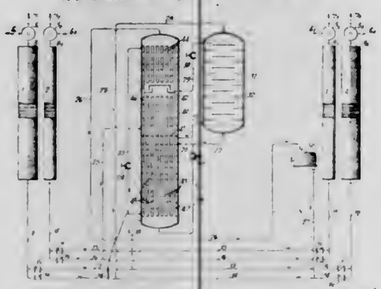
tween the surfaces of said mandrel plug and said rolls while said pipe or tube is being acted upon thereby, and means for returning the withdrawn mandrel plug to its initial position.

2,084,334

PROCESS FOR THE RESOLUTION OF GASEOUS MIXTURES

Mathias Frankl, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y., a corporation of Delaware

Application January 26, 1934, Serial No. 708,367
In Austria February 1, 1933
20 Claims. (Cl. 62—175.5)



7. In a process for the resolution of a gaseous mixture, the improvement which comprises vaporizing a liquid enriched in a higher boiling component in two stages at different pressures the vaporization in one stage being effected by flowing liquid resulting from an earlier stage in continuous uni-directional heat exchange relation with the gas mixture, said liquid being in contact with the heat exchange surface and having cocurrent flow in a continuous manner with continuity of direct contact of vapor and liquid.

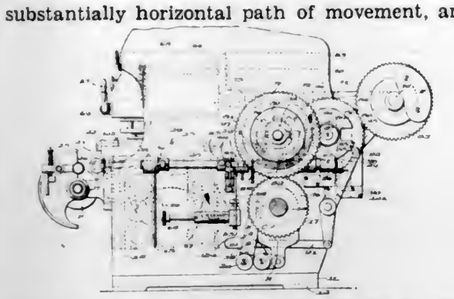
2,084,335

ORNAMENTING MACHINE

Benjamin W. Freeman, Cincinnati, Ohio

Application November 19, 1934, Serial No. 753,766
Renewed July 13, 1936
40 Claims. (Cl. 101—287)

1. An ornamenting machine of the class described comprising a work support, movable through a substantially vertical path, an ornamenting die mounted for movement through a substantially horizontal path of movement, and



means to actuate said support and die in synchronized relation.

2,084,336

MAGNETIC MATERIAL AND METHOD OF MANUFACTURE

Norman P. Goss, Youngstown, Ohio, assignor, by mesne assignments, to Allegheny Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 30, 1934, Serial No. 733,250
3 Claims. (Cl. 148—12)

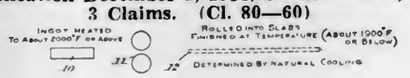
1. A method of making magnetic material, including the steps of heating a slab predominantly of steel and iron and containing about 3% silicon, to a temperature of about 2000° F., rolling the slab into strip, finishing the rolling thereof when the strip is at a temperature of about 1450° F., heating the strip to about 1600 or 1700° F., cooling the strip, cold rolling the strip substantially to finished gauge, and finally heating the cold rolled strip to a temperature in the neighborhood of 2000° F.

2,084,337

METHOD OF ROLLING MAGNETIC MATERIAL

Norman P. Goss, Youngstown, Ohio, assignor, by mesne assignments, to Allegheny Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 1, 1934, Serial No. 755,575
3 Claims. (Cl. 80—60)





1. In a method of making magnetic material having improved magnetic properties, the steps including heating an ingot of silicon-iron alloy containing about 3% silicon to a temperature above 2000° F., reducing the ingot to slab form without reheating it, and reducing the slab to strip after heating the slab to about 2000° F., finishing at 1450° F. or below.

2,084,338

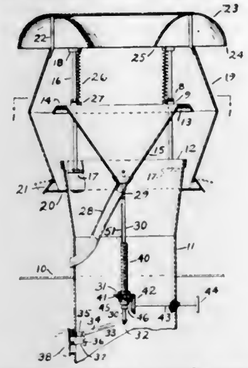
WATERPROOF VENTILATOR

Clyde M. Hamblin, Washington, D. C.

Application September 19, 1935, Serial No. 41,226
18 Claims. (Cl. 98—64)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A ventilator comprising a ventilator trunk, an annular shelf about said ventilator trunk

spaced below its upper edge, a ventilator shell of greater diameter than said ventilator trunk, the lower edge of said shell being supported on said shelf, a ventilator top supported on said ventilator shell, a funnel yieldably supported in the



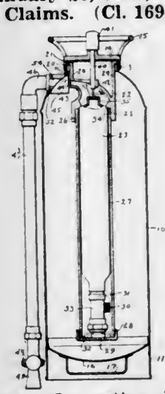
mouth of said ventilator trunk, means for guiding said funnel into sealing position with said ventilator trunk edge and flexible drain means connecting to the lower end of said funnel and extending through said ventilator trunk.

2,084,339

FIRE EXTINGUISHER

Keenan Hanley and Lloyd Bennett, Prospect, Ohio, assignors to Roscoe C. Iddings, Dayton, Ohio

Application January 28, 1932, Serial No. 589,346
10 Claims. (Cl. 169—31)



5. A dry powder fire extinguisher of the character described comprising an extinguisher casing adapted to contain a quantity of dry fire extinguishing material, said casing being provided with a discharge outlet, and the wall of said casing adjacent said outlet being substantially converging, an inner container for holding a quantity of fluid expelling medium, a hopper for directing the dry fire extinguishing material toward said discharge, and means for releasing said compressed fluid expelling medium to cause the discharge of the powdered extinguishing material.

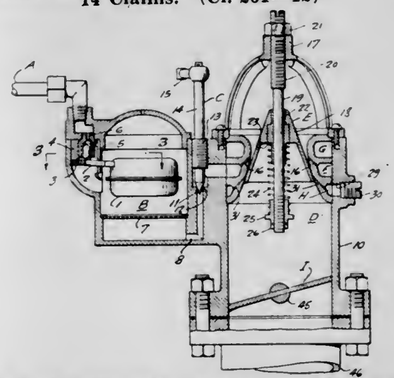
8. A dry powder fire extinguisher for operation in an inverted position, comprising in combination, an extinguisher casing having a base at one end for the support of the extinguisher in a normal inoperative upright position and a filling opening adjacent the opposite end thereof for introducing a charge of dry powder into the extinguisher, a closure for said filling opening, a plunger mounted in said closure, a pressure fluid cartridge mounted within said casing and having a sealed discharge portion in alignment with said plunger and adjacent the closure end of said extinguisher, said casing having a discharge outlet adjacent the closure end, and means for directing the fluid to be discharged from said cartridge into said casing outlet, said extinguisher being operable by inverting and bumping in the inverted position to drive said plunger inwardly to thereby open said sealed discharge portion to release the pressure fluid and to also dislodge and provide a gravity fall of the powder from one end of the casing to the other to thereby agitate the dry powder within said casing.

2,084,340

CARBURETOR FOR INTERNAL COMBUSTION ENGINES

Ralph B. Hartsough, Los Angeles, Calif.

Application April 18, 1933, Serial No. 666,672
14 Claims. (Cl. 261—12)



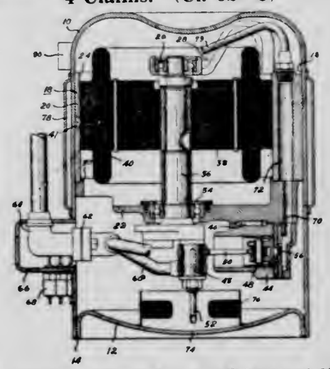
6. In a downdraft carburetor, a fuel mixing chamber having walls forming a Venturi passage therethrough, a fixed member above said chamber, a resiliently actuated valve supported by said member to slide axially within said Venturi passage to regulate the area thereof, there being in said Venturi walls fuel passages opening into said mixing chamber nearest the chamber intake, the portion of the chamber below said valve being clear and unobstructed.

2,084,341

REFRIGERATING APPARATUS

James R. Hornaday, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

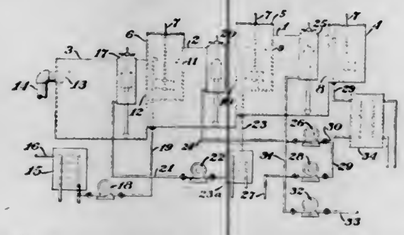
Application October 31, 1934, Serial No. 750,850
4 Claims. (Cl. 62—3)



1. A cooling system for a refrigerant liquefying unit including a compressor having a vertically

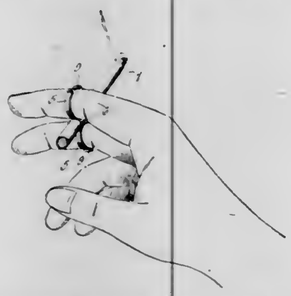
extending chamber for cooling fluid, an inlet to said chamber for cooling fluid, an outlet for cooling fluid located at the top of said chamber and an additional outlet located at the bottom of said chamber, said additional outlet being restricted to pass cooling fluid at a rate less than the rate of fluid flow through the inlet whereby said unit will automatically be drained of cooling fluid at each time the flow of cooling fluid thereto is cut off.

2,084,342
TREATMENT OF HYDROCARBON OILS
Willard F. Houghton, Swarthmore, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 25, 1933, Serial No. 672,786
2 Claims. (Cl. 196—13)



1. In an apparatus for the continuous countercurrent extraction of a hydrocarbon oil with a solvent which is at least partially immiscible therewith, the combination of a closed chamber divided into a plurality of alternate mixing and settling compartments by partitions, said compartments being in step-like arrangement, at least one of the mixing compartments being provided with stirring means and an orifice outlet to the mid-section of the succeeding settling compartment, each settling compartment having an overflow weir in the upper part and means for drawing off liquid from the lower part thereof and for passing liquid so withdrawn to a preceding mixing compartment.

2,084,343
CIGARETTE HOLDER
Alice Jefferis, Washington, D. C.
Application April 28, 1936, Serial No. 76,814
7 Claims. (Cl. 131—51)



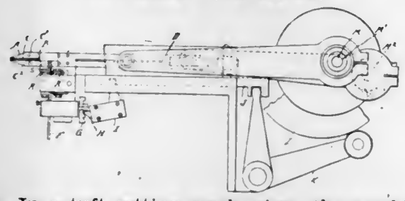
1. A cigarette holder comprising companion finger-encircling loops, and an intermediate cigarette-supporting loop connected with and disposed at an angle to the companion loops, said companion loops serving to normally hold adjacent fingers against spreading movement relative to each other.

2,084,344
BOTTLE CLOSURE
Charles J. Jesnig, Philadelphia, Pa., assignor to Positive Seal Closure Company, Philadelphia, Pa., a corporation of Delaware
Application October 9, 1934, Serial No. 747,551
16 Claims. (Cl. 215—74)



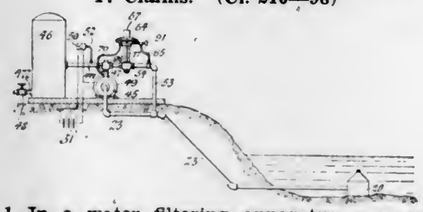
1. In bottle closures, a sealing cap arranged for axial movement between sealing and unsealing positions, rotatable means movable relative to and arranged for engaging a bottle neck for moving the sealing cap axially of the bottle having a portion engaging said cap, means permanently securing the means to such bottle neck, the cap and means being arranged for relative angular movement, the sealing cap having a concentric pouring opening.

2,084,345
TUFT SETTING ANCHOR AND APPARATUS FOR FORMING AND APPLYING THE SAME
Conrad Jobst, Toledo, Ohio, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio, a corporation of Ohio
Application September 2, 1930, Serial No. 479,371
Renewed October 6, 1934
15 Claims. (Cl. 300—8)



1. In a tuft setting mechanism, the combination with a nozzle for receiving the tuft, and a driver in rectilinear alignment therewith, of means for feeding a continuous flat ribbon strip laterally into said nozzle out of alignment with said driver and means for shearing an anchor from the end portion of said strip into the path of said driver.

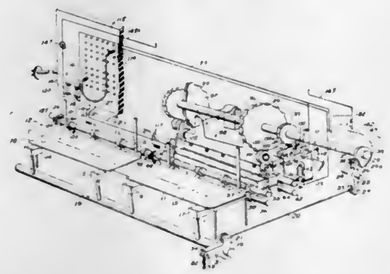
2,084,346
WATER FILTER SYSTEM
Willis H. Jones, Kenmore, N. Y.
Application November 14, 1934, Serial No. 753,008
17 Claims. (Cl. 210—98)



1. In a water filtering apparatus, a normal water conduit including a pump having an inlet

and an outlet, water filter communicating with said inlet, and a storage tank communicating with said outlet, a flushing conduit independent of the normal water conduit and communicating as a by-pass at its opposite ends with said tank and said filter so as to by-pass said pump, a controlling valve arranged in said flushing conduit means for operating the pump intermittently, and means responsive to changes in pressure on the outlet side of said pump and operating to temporarily open said valve when the pump ceases to operate and permit water to flow backward through said flushing conduit to said filter.

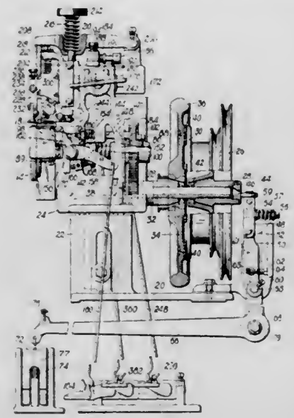
2,084,347
AUTOMATIC PERFORATING MACHINE
Lincoln Mathew Keefe, Springfield, Mass.
Application November 5, 1934, Serial No. 751,467
20 Claims. (Cl. 164—115)



1. In a machine for perforating records having a plurality of rows of index values disposed along one dimension thereof and grouped in vertical columns along another dimension thereof, a plurality of dies, a punch for each of said dies, a single mechanical member for driving said punches, an electrically controlled interposer for each punch adapted to associate its punch in driving relation to said member only while energized, record feeding mechanism including a series of feed rolls operating in steps to successively position said record with the index values along said first dimension beneath the punches, each succeeding step presenting index values differing by one, whereby each stroke of the mechanical member causes the punches whose interposers have been actuated to perforate index positions in the record along said first dimension, and means for driving said member and said feeding mechanism in definite timed relation to each other.

2,084,348
MACHINE FOR OPERATING UPON SOLES
Norwood H. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 15, 1935, Serial No. 45,110
14 Claims. (Cl. 12—27)

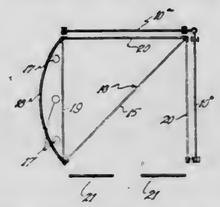
1. A sole fitting machine comprising a lower frame, sole-supporting and feeding means on said lower frame, an upper frame, a head supported on said upper frame for movement toward and from said supporting and feeding means, an operating tool on said head, means for urging said head toward said supporting and feeding means, a presser foot carried by said head for supporting said head against said urging means in accordance with the thickness of the work, and means for securing said upper frame fixedly upon said lower frame in a desired position of adjustment transversely of the direction in which the work is fed.



2,084,349
METHOD OF MAKING WEAR RESISTING MATERIALS
Clemens A. Laise, Tenafly, N. J.
No Drawing. Application September 10, 1934, Serial No. 743,409
4 Claims. (Cl. 75—137)

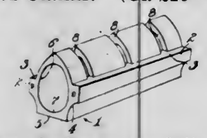
1. The method which comprises intimately mixing powders of refractory metals and base metals, alloying the same at a temperature below the melting point of any of the constituents of the mixture, converting the alloy into impalpable powder and carburizing and boronizing the same until it contains not in excess of 15% combined carbon and boron.

2,084,350
STEREOSCOPIC VIEWER
Edwin H. Land, Wellesley Farms, Mass., assignor to Land-Wheelwright, Inc., Union City, N. J., a corporation of New Jersey
Application August 27, 1935, Serial No. 38,085
1 Claim. (Cl. 88—29)



A stereoscopic viewer comprising in combination means to position a pair of stereoscopic pictures, a transparent mirror, positioned to cause said pictures to appear approximately superimposed, sheets of light-polarizing material positioned to polarize differently the rays from each of said pictures without altering appreciably the color characteristics thereof and a plurality of sheets of light polarizing material placed between the eyes of an observer and said transparent mirror and adapted to permit one eye to see one only of said pictures and the other eye only the other of said pictures.

2,084,351
FILTER BED DRAINAGE CONDUIT
Grafton E. Luce, Brazil, Ind.
Application September 16, 1935, Serial No. 40,673
21 Claims. (Cl. 210—148)



1. A hollow drainage conduit having an external shape in cross section substantially that of a hyperbola arch outside and a parabola arch inside said arches diverging toward the top of the conduit and transversely extending slots in the upper portion of said conduit.

2,084,352
LUBRICATING OIL
Leo Liberthson, New York, N. Y., assignor, by mesne assignments, to Standard Oil Development Company
No Drawing. Application October 2, 1934, Serial No. 746,515
5 Claims. (Cl. 87—9)

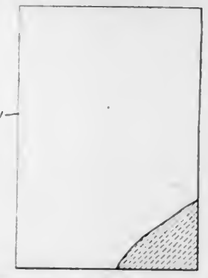
1. A product comprising a lubricating oil having a pour point caused by wax therein, and up to about 10% of a polymerized oil free from the residue insoluble in butyl alcohol, said polymerized oil being present in potency sufficient to appreciably lower the normal pour point of said lubricating oil, said polymerized oil being prepared by the action of a silent electrical discharge.

2,084,353
PROCESS OF PRINTING MULTICOLORED PICTURES
James G. McNett, St. Louis, Mo.
Application November 18, 1935, Serial No. 50,444
2 Claims. (Cl. 95—5.1)



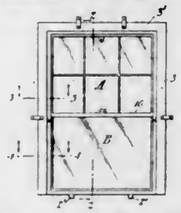
1. A process of printing multi-colored pictures which consists in producing a series of impressions from a master printing plate with transparent ink on suitable strips of translucent material, one for each primary color of the finished print, tinting each strip with an opaque light reflecting substance in shades corresponding to the desired shades of the color of the finished print, copying said tinted strips through a half tone screen, and simultaneously illuminating the strips from the rear to photographically stop out on the negatives the areas corresponding to the untinted portions of the strips, producing a color separation plate from each of said half tone negatives, and printing said master printing plate and said color separation plates in superposition to produce the finished picture.

2,084,354
METHOD OF MAKING ASBESTOS CEMENT PRODUCTS
Giovanni Morbelli, Milan, Italy, assignor to Frederick O. Anderegg, Forest Hills Boro, Pa.
Application April 25, 1934, Serial No. 722,279
In Germany August 24, 1929
2 Claims. (Cl. 18—47.5)



1. The method of producing a self-setting, quick-hardening, water-impervious and corrosion and abrasion resistant shape, which consists of intimately mixing 30 to 50 parts by weight of finely ground calcareous hydraulic cement with 50 parts by weight of finely ground siliceous material, adding thereto 15 to 20 parts by weight of asbestos fiber and sufficient water to form a slurry, forming the shape, subjecting the formed shape to pressure ranging up to 6,000 pounds per square inch, permitting the compressed formed shape to stand at ordinary temperatures, and then indurating the shape under steam pressure until all the free lime therein is brought into chemical combination with the silica therein and until the shape has become highly impervious to the passage of moisture.

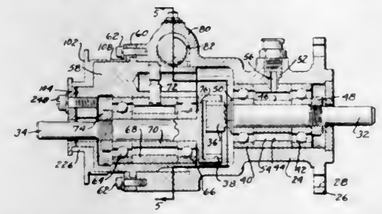
2,084,355
WINDOW CONSTRUCTION
Edmund Peremi and Louis Toth, Manhasset, N. Y.
Application September 29, 1933, Serial No. 691,555
33 Claims. (Cl. 189—72)



1. In a window construction, upper and lower sliding sashes each having a meeting rail, the meeting rail of one sash formed on its inner face with an open receptacle, a resilient weather strip in said receptacle, an upwardly projecting flange at the lower end of the receptacle toward which a free end of the resilient weather strip is movable, and a pair of flanges on the inner face of the meeting rail of the other sash, one of said flanges adapted to engage the upper portion of the meeting rail of the first mentioned sash

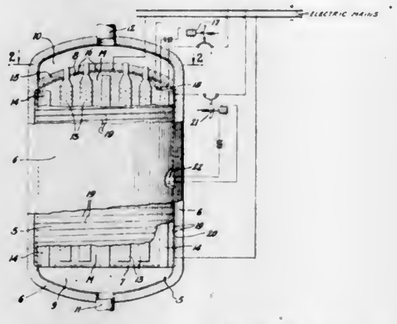
and the second flange adapted to move between the resilient weather strip and the flange on the lower portion of the receptacle whereby a weather-tight joint is had.

2,084,356
ADJUSTING MEANS
Ford L. Prescott, Dayton, Ohio
Application February 9, 1934, Serial No. 710,500
12 Claims. (Cl. 74—395)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a pressure indicator of the character described, phase changing means comprising, a driving shaft driven by the engine under test, a driven shaft rotatable about an axis eccentric with respect to the axis of said driving shaft for transmitting motion to a sampler valve, gears on said shafts for interconnecting the same, and means for adjusting said driven shaft axis in a circle concentric with the axis of said driving shaft for obtaining, at will, variations in the angular phase relation of said shafts.

2,084,357
PROCESS OF AND APPARATUS FOR CONTROLLING CATALYTIC AND OTHER CONTACT MASS REACTIONS
Thomas B. Prickett, Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application February 10, 1934, Serial No. 710,612
30 Claims. (Cl. 23—288)

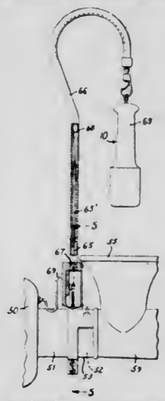


1. In a converter for effecting both endothermic and exothermic reactions, either alternately or intermittently, said converter providing a reaction chamber containing a contact mass and providing a chamber for fluids adjacent said reaction chamber but with an intervening wall or partition, the process step in the temperature regulation of said contact mass which comprises applying heat continuously to the portion of said mass adjacent said wall or partition and applying heat to other portions of said mass only during endothermic reactions.

2,084,358
PAPER MANUFACTURE
Harold Robert Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts
No Drawing. Application May 7, 1934, Serial No. 724,453. In Canada April 16, 1934
22 Claims. (Cl. 91—68)

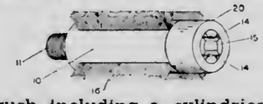
1. The step in a method of manufacturing paper filled with alkaline filler comprising distributing in a fibrous web containing alkaline filler substantially water insoluble organic liquid by means of a vehicle comprising a solvent in which said liquid is soluble.

2,084,359
AUTOMATIC MEAT STOMPER
Samuel S. Rosenbaum, Pasadena, Calif., assignor to Joseph Wintroub, Los Angeles, Calif.
Application March 27, 1936, Serial No. 71,199
6 Claims. (Cl. 146—182)



1. In a meat grinder, a housing and a hopper, a bracket, means to secure said bracket to said housing, a block on said bracket, said block including an aperture, a tube having one end thereof fixedly mounted in said block aperture, said tube extending upwardly from the block and terminating in an inverted U-shaped curved portion with the end of the U-shaped curved portion extending downwardly and disposed above the hopper, an extensible coiled spring in said tube, means to secure one end of said coiled spring to said tube adjacent to said block, said spring terminating intermediate the length of said tube, a flexible member attached to the end of said spring remote from said block, said flexible member extending through the U-shaped portion of said tube and a meat stomper on said flexible member.

2,084,360
BRUSH FOR CLEANING BOILER AND OTHER TUBES
Louis J. Spruzzola, United States Navy
Application May 7, 1935, Serial No. 20,196
3 Claims. (Cl. 15—198)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A brush including a cylindrical body, said body provided with longitudinal slots transverse

to and communicating with one another within the outer diameter of said body, and leaving sector-like portions of the body between the transverse slots, wire bristles doubled upon themselves to provide pairs of angularly arranged tufts, said pairs of tufts being seated in the slots with the tufts of each pair extending outwardly through adjacent slots and the connecting portions between said tufts extending between said slots in the interior of said body, a projection of said body upon the slotted end thereof being of reduced diameter and having a shoulder upon the inner end thereof, the periphery of said projection being tapered, slightly less in diameter at its outer than at its shouldered end, and a ring having a correspondingly tapered bore adapted to fit upon said projection and against said shoulder for securing the sector-like portions together at their outer ends and clamping the bristle units in their respective slots.

2,084,361
METAL CLEANING COMPOSITION

Byron M. Vanderbilt, Chicago Heights, Ill., assignor to Victor Chemical Works, a corporation of Illinois

No Drawing. Application December 17, 1934, Serial No. 757,974
16 Claims. (Cl. 148—8)

1. A metal cleaning solution comprising the water soluble acid esteric reaction product of a dehydrated phosphoric acid and an organic compound containing a primary alcohol group.

2,084,362
ABSORBENT PAD AND METHOD OF MAKING THE SAME

Margaret M. Visscher and Walter L. McMillan, Los Angeles, Calif., said McMillan assignor to said Visscher

Application July 5, 1934, Serial No. 733,776
13 Claims. (Cl. 154—29)



1. A method of making absorbent pads comprising advancing a thin web of cellulosic material longitudinally while simultaneously folding the same whereby longitudinal adjacent portions of the web are brought into contact with each other to form a relatively narrow band of material having thin edge portions and a thicker middle portion, and stamping out elliptical forms from said band, the major axes of said forms paralleling the longitudinal axis of the band.

2,084,363
FIRING DEVICE

Lyle E. White, United States Army, Fort Clayton, Canal Zone

Application May 27, 1936, Serial No. 82,058
6 Claims. (Cl. 42—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

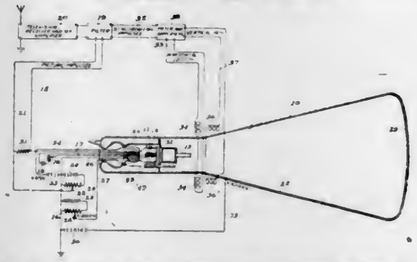


1. A shoulder firearm embodying a trigger, an element for operating the trigger, means connecting the element to the trigger, releasable means engaging the connecting means to hold the element against operation, and means for regulating the operation of the element.

2,084,364
TELEVISION SYSTEM

Vladimir K. Zworykin, Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application December 24, 1930, Serial No. 504,559
5 Claims. (Cl. 178—6)

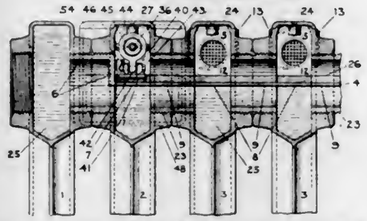


1. In a television receiving system, means for receiving transmitted picture impulses and amplifying the same at radio frequency, detector apparatus connected to said means, said detector apparatus comprising a tube provided with fluorescent screen structure and an electron projector for developing and focusing an electron beam on and directing the same toward said structure, and means for deflecting said beam to cause the same to scan said structure.

2,084,365
AUTOMATIC AIR CONDITIONING RADIATOR

Erwin Leo Franz Weber, Seattle, Wash.

Application July 6, 1935, Serial No. 30,208
3 Claims. (Cl. 237—78)

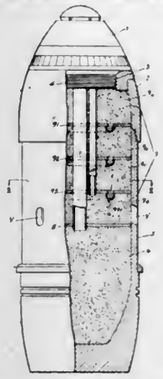


1. A humidifying radiator comprising a plurality of water sections, connecting members connecting the upper ends of said sections and holding said sections together, certain of said connecting members having central partitions extending longitudinally and continuously from end to end thereof dividing said connecting members into two chambers, certain of said radiator sections having transverse horizontal partitions in their upper ends extending continuously from end to end thereof, said connecting members and radiator section partitions being so arranged as to be in contacting and registering relation to each other thereby forming a continuous partition providing a segregated chamber extending continuously and longitudinally of said radiator in the upper portion thereof, one of said radiator sections having an enlarged chamber communicating with the chamber above said partition, a valve controlled passage for conveying water from the radiator proper into the chamber above said partition, a float in said enlarged chamber acting on said valve and arranged to maintain a water level in the chamber above said partition at a level intermediate the height of said chamber, and an opening connecting the interior and exterior of said upper chamber and positioned above the normal water level thereof.

2,084,366
RANGE-TRACER PROJECTILE

Sidney F. Woodbury, Jr., Portland, Oreg.

Application July 20, 1935, Serial No. 32,384
20 Claims. (Cl. 102—29)

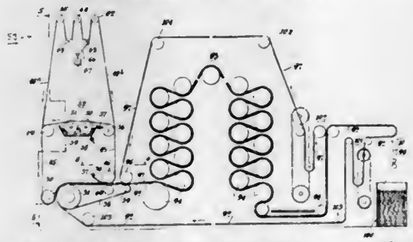


1. An artillery shell comprising an apertured container having a fuse means on one end, bursting means positioned within said container so as to leave a chamber intermediate said fuse and said bursting means, partitions in said chamber, ignitible smoke charges between said partitions and means whereby said smoke charges are fired in timed relationship to the flight of the shell to emit from an aperture a series of spaced smoke clouds along the path of flight of the shell, said firing means being finally effective to burst said bursting means.

2,084,367
APPARATUS FOR TREATING CLOTH

Henry A. Woodhead, Graniteville, S. C.

Application November 24, 1934, Serial No. 754,576
15 Claims. (Cl. 26—18.6)

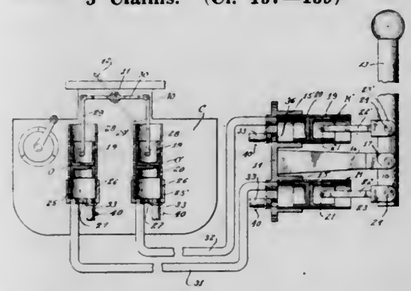


1. An apparatus for imposing a preshrunk condition on a fabric web comprising; means for wetting the web whereby it is rendered plastic; web working means having a plurality of web-penetrating projections for gripping and working the web to readjust the positions of its component yarns and effect a warp-wise compression of the web; a feed roll closely adjacent said work-roll; an endless band directed about said feed roll and forming a working surface on which the web is supported and against which said working means operate in compressing the web; and means for drying and setting the web in its preshrunk condition, said band cooperating with said drying means to advance the web therethrough and continuously supporting said web in its passage from said working means to and through said drying means to preclude the imposition of warp-strain on said web for obviating diminishment of the preshrunk condition imposed on the web by said working means.

2,084,368
HYDRAULIC CONTROL FOR THROTTLE VALVES

James H. Wynn, Gary, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application October 12, 1932, Serial No. 637,565
5 Claims. (Cl. 137—139)

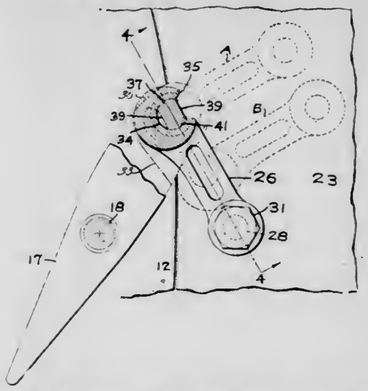


2. In combination, a throttle valve having a casing, an operating lever for said valve, a pair of operating cylinders both secured to said casing and each having a piston connected with a separate end of said lever, a pair of master cylinders each having a piston, a pivoted control lever connected on opposite sides of its pivot with both of the pistons of said master cylinder, and a conduit connecting each of said master cylinders with one of said operating cylinders, said cylinders and conduit being filled with hydraulic fluid whereby movement of the master cylinder pistons by said control member will be transmitted by said fluid to the pistons of the operating cylinders and to said operating lever for actuation of said valve.

2,084,369
HYDRAULIC MACHINE

Arthur Young, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania

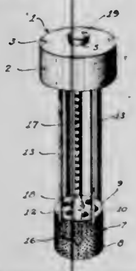
Application August 3, 1936, Serial No. 94,009
2 Claims. (Cl. 253—122)



1. In a hydraulic machine, the combination with a gate shifting ring and a pivotally mounted gate adapted to be turned by said ring, of a link, a bolt pivotally connecting one end of said link with said ring, the other end of said link having a slotted opening formed therein, and a member carried by said gate and having a pair of parallel plain surfaces adapted to receive the slotted end

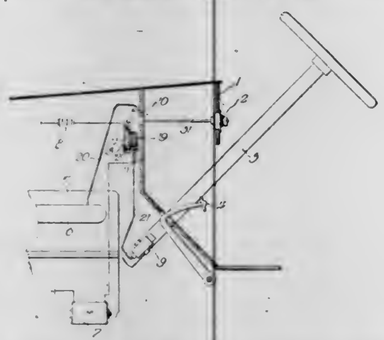
of said link when said link is detached from the ring and disposed in one position, said member in all other positions of the link being adapted to provide means for pivotally connecting the slotted end of said link with said gate whereby the gate may be turned by the link from said ring when the opposite end of said link is pivotally connected to said ring.

2,084,370
THERMOMETER GUARD
Charles P. Zumwalt, Coquille, Oreg., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application September 13, 1935, Serial No. 40,451
14 Claims. (Cl. 73—52)



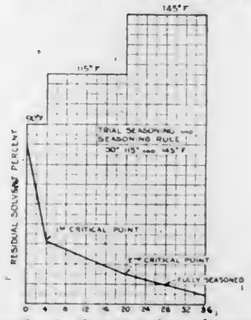
4. In a device of the class described the combination of a thermometer having a stem portion and a bulb portion, a float having means for supporting said stem portion, a guard member for supporting said bulb portion and a plurality of metal strips for holding said guard member in operative relation with said float, said guard member providing a center of gravity to said float by which the thermometer will be maintained in a vertical position in a liquid body.

2,084,371
MOTOR VEHICLE CONTROL SYSTEM
Burton S. Aikman, Milwaukee, Wis., assignor of one-half to John A. Dienner, Evanston, Ill.
Application May 28, 1932, Serial No. 614,093
25 Claims. (Cl. 290—38)



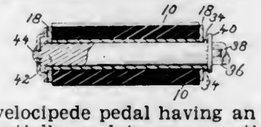
1. In combination with an internal combustion engine having an ignition system, an engine starting motor, a starting switch for controlling the motor, said switch being biased to its closed position, means responsive to the operation of the engine for maintaining the switch open, and manual means for holding the switch open comprising an ignition switch controlling the ignition system of the engine.

2,084,372
SEASONING OF PLASTIC MATERIAL
Bjorn Andersen, Maplewood, and Ernst A. Grenquist, Bloomfield, N. J., assignors to Celluloid Corporation, a corporation of New Jersey
Application February 24, 1934, Serial No. 712,716
7 Claims. (Cl. 34—24)



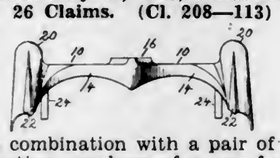
7. The method of seasoning thermoplastic materials in sheet form and containing an organic substitution derivative of cellulose and residual solvent, which comprises covering the sheets with an absorbent material and subjecting them to successively increasing temperatures, each temperature being that at which the maximum amount of solvent is removed at a substantially constant rate of evaporation, change in temperature being effected only when the rate of evaporation of solvent at the immediately preceding temperature commences substantially to decrease.

2,084,373
PEDAL CONSTRUCTION
Bert J. Anderson, Hammond, Ind.
Application April 20, 1935, Serial No. 17,436
11 Claims. (Cl. 208—70)



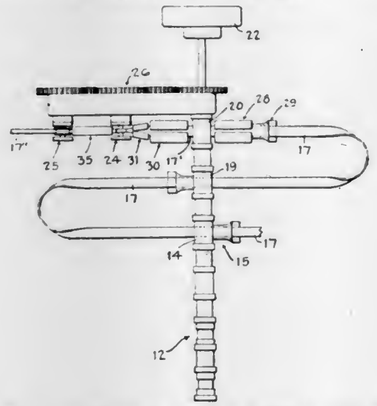
10. In a velocipede pedal having an apertured body substantially oval in cross section, a pair of apertured end plates substantially oval in plan formation positioned one on each end of said body, a tubular member positioned within said apertured body, each end of said tubular member extending beyond said body and through the aperture in an end plate, and means for maintaining said end plates and said body in aligned relation, said means including each end of the tubular member being crimped against one of said end plates.

2,084,374
REAR FRAME MEMBER
Bert J. Anderson, Hammond, Ind.
Application May 22, 1935, Serial No. 22,870
26 Claims. (Cl. 208—113)



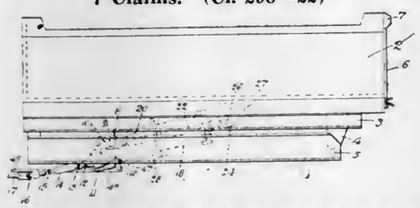
25. The combination with a pair of apertured axle supporting members, of a rear frame member for a velocipede to which rear frame member said axle supporting members ar secured, said rear frame member comprising an integral stamping having a raised central portion for attachment to a backbone, the outer portions of said stamping terminating in integral fender members, and other fender members secured to said integral fender members.

2,084,375
APPARATUS AND METHOD FOR ROLLING, FORMING, AND WELDING
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application June 27, 1934, Serial No. 732,593
9 Claims. (Cl. 78—83)



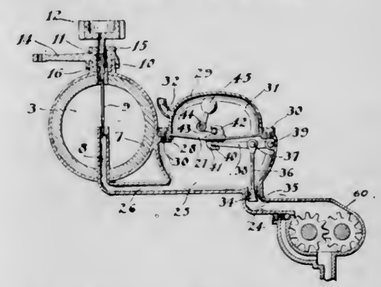
1. The combination with a rolling mill which rolls metal to a flat skelp, of tube forming apparatus into which the skelp passes as it comes from the last stand of the rolling mill, a plurality of roll stands in said forming apparatus, and means for raising the edge faces of the skelp to a welding state by the time they come together in the final forming stand while traveling at the speed of delivery of the skelp from the rolling mill, said means comprising retorts located along the run of the skelp or partially formed tube between successive roll stands through which the metal passes, and devices in the retorts for projecting intense heating flames directly against the longitudinal edge faces to be welded.

2,084,376
HYDRAULIC HOIST
William C. Anthony, Streator, Ill., assignor to Anthony Company, Streator, Ill., a corporation of Illinois
Application June 6, 1936, Serial No. 83,846
7 Claims. (Cl. 298—22)



1. In combination in a dumping body, a support, a body mounted thereon for movement with respect thereto, and hydraulic means for moving said body, said means comprising a plurality of hydraulic cylinders in hydraulic circuit with each other, a piston in each cylinder, a rod extending outwardly therefrom, all of said rods connected to the body, positive means for automatically terminating the excursion of one of said pistons prior to the termination of the excursion of the other of said pistons whereby all of the pistons are effective in dumping the body during an early portion of its movement and one of the pistons reaches the limit of its excursion before the completion of movement.

2,084,377
CARBURETOR
Marius Jean Baptiste Barbarou, Neuilly sur Seine, France, assignor to Bendix Stromberg Carburetor Company, South Bend, Ind., a corporation of Illinois
Application July 28, 1930, Serial No. 471,257. In France August 6, 1929. Renewed June 20, 1936
18 Claims. (Cl. 261—69)



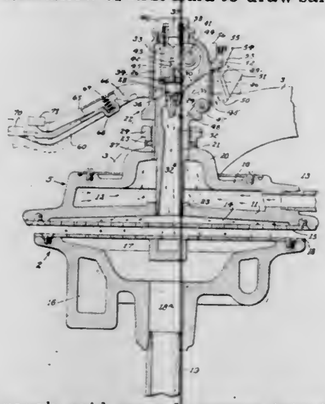
6. In a carburetor, a fuel nozzle, means for supplying fuel to said nozzle under positive pressure, and means for controlling said pressure including a diaphragm subjected to fuel pressure urging it in one direction, and a counterweight normally urging it in the other direction.

14. In a fuel supply device for an internal combustion engine, a charge forming device having a fuel mixture passage and a fuel nozzle therein, a pump forming a source of fuel under substantially constant superatmospheric pressure, a conduit connecting the outlet of said pump to said nozzle, a valve controlling the outlet of said pump, and control means for said valve comprising a member responsive to the resultant of pressures at two spaced points in said mixture passage.

2,084,378
MIXING VALVE
Frederic N. Beede, Pawtucket, R. I.
Application January 19, 1935, Serial No. 2,601
13 Claims. (Cl. 230—95)

1. A device for controlling the flow of a single fluid and for effecting the admixture of several fluids and controlling the flow thereof comprising, a body having an outlet passage, a port communicating into said passage in such manner as to produce an injector action therein, valve means controlling communication between said port and a source of supply of fluid under pressure, a second port, a second passage leading from second port to said first passage adjacent said first port, value means controlling the communication of said second port with a second source of fluid, and a plurality of selective means operable at will, for controlling said first and second value means one of said control means being operable to effect flow of said first fluid alone under pressure through said first passage and to close said second value

means and another control means being operable to cause said flow of first fluid to draw said second



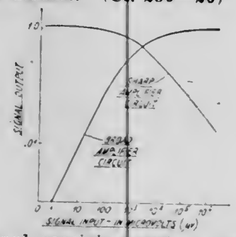
fluid through said second passage into the first passage for admixture therein with said first fluid by injector action.

2,084,379

AUTOMATIC FIDELITY CONTROL CIRCUIT

Rene A. Braden, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 9, 1935, Serial No. 30,443
6 Claims. (Cl. 250—20)



1. In a signal receiving system comprising a pair of parallel amplifier networks, one of the networks having a sharply selective characteristic and the other network having a broad selectivity characteristic, an electron discharge tube provided with a cathode and a pair of anodes, one of the anodes and said cathode being connected to a circuit which includes the output of said sharp amplifier and a load resistor, the cathode and remaining anode being connected to a circuit which includes the output of said broad amplifier and said load resistor, an audio frequency transmission path connected to a point on said load resistor, a gain regulation path connected between at least one of the tubes of said sharp amplifier and a point of negative potential on said load resistor, and a second gain regulation path connected between one of the tubes of said broad amplifier and a point on said load resistor which is at a positive potential with respect to said point of negative potential.

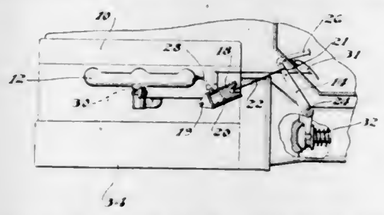
2,084,380

CLUTCH RELEASE MECHANISM

Caleb S. Bragg, Palm Beach, Fla., and Victor W. Kliesrath, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a corporation of New York

Application June 1, 1931, Serial No. 541,204
7 Claims. (Cl. 192—.01)

1. An automotive vehicle comprising, in combination with a clutch including means for keeping the clutch in engagement, an angularly movable clutch pedal, an internal combustion engine, a throttle for said engine, and manually operable means for operating said throttle, a pressure differential operated motor, the movable element of which is operatively connected with the clutch mechanism, an unimpeded fluid transmitting connection between said motor and the intake manifold at a point between the carburetor and



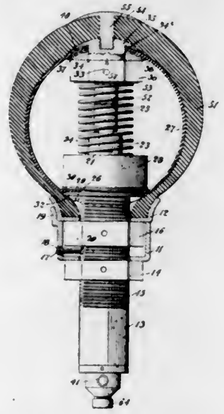
the pistons of the engine, and means for creating a superatmospheric pressure in said manifold under the control of said throttle, whereby with fluctuations of the gaseous pressure within the manifold incurred by the operation of the throttle there automatically ensues corresponding fluctuations of the gaseous pressure within the clutch motor to energize said motor and supplement the aforementioned means for maintaining the clutch engaged.

2,084,381

AUTOMATIC INFLATER FOR VEHICLE WHEEL TIRES

Nicholas Demarest Campbell, Hackensack, N. J.

Application September 11, 1935, Serial No. 40,121
3 Claims. (Cl. 152—11)



1. A vehicle wheel having thereon a pneumatic tire and automatic means on said wheel for compressing air into the tire during the rolling of the wheel on the road, said means comprising a pair of telescoping members, one of said members being connected to the rim of the wheel, a connecting rod, pivotally connected at one end thereof to the other member, and a flanged tread member pivotally connected to the other end of said rod and secured to the outer periphery of the tire, said pivotal connections being disposed in planes which are substantially at right angles to each other, thereby enabling said tread member to conform to the inequalities of the road.

2,084,382

PROCESS FOR THE OXIDATION OF POLYNUCLEAR AROMATIC HYDROCARBONS

Leo P. Chebotar, New York, and Roger N. Wallach, Briarcliff Manor, N. Y.; said Wallach assignor of one-sixth to said Chebotar

No Drawing. Application April 9, 1935, Serial No. 15,406
7 Claims. (Cl. 260—123)

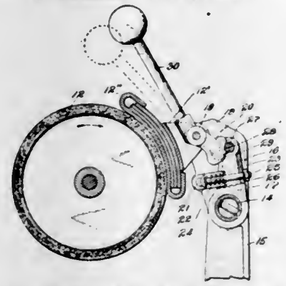
3. A process for the partial oxidation of polynuclear aromatic hydrocarbons comprising forming a gaseous dispersion consisting essentially of a liquefied polynuclear aromatic hydrocarbon and an oxygen-containing gas, reacting said dispersion in a combustion chamber of the Diesel engine type to form aromatic oxidation products of said hydrocarbon, thereafter expanding the reaction mixture and separating the aromatic oxidation products from said mixture.

2,084,383

IRONING MACHINE

Cecil E. Clement, Newton, Iowa

Application October 15, 1934, Serial No. 748,280
4 Claims. (Cl. 38—61)



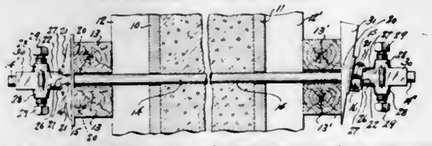
1. In an ironing machine of the class described, the combination of an ironing roll, a shoe cooperatively supported therewith, mechanism for moving the shoe into contact with the roll including pressure means for resiliently holding the shoe in pressure relation with the roll, and a manually operable cam mechanism intermediate the pressure means and shoe for adjusting the pressure of the shoe upon the roll without removing all pressure.

2,084,384

TIE ROD FOR CONCRETE FORMS

Samuel S. Colt, Orange, N. J.

Application November 28, 1934, Serial No. 755,142
2 Claims. (Cl. 25—131)



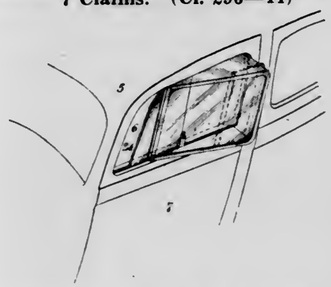
1. A concrete casting form comprising opposed form wall structures, a round tie-rod in one continuous piece extending through the form with its end portions respectively projecting outwardly from said form wall structures, form retaining means on the respective exteriorly projecting end portions of said tie-rod, said retaining means each comprising a portion stationary in relation to the adjacent form wall structure and a body portion rotatable in relation to said stationary portion, cooperative ball and socket bearing means between said rotatable and stationary portions, said rotatable portions having wrench receiving means, means for affixing the rotatable portions to said tie-rod end portions and substantially concentric to the longitudinal axis of the tie-rod, whereby, while the form is locked up in supporting relation to the concrete mass cast therein and before said mass sets to hardened dry condition, rotative force applied to a rotatable portion is transmitted to said tie-rod to turn the same relative to the cast concrete without accompanying longitudinal movement to thereby loosen the same for easy withdrawal from the latter upon dismantling the form.

2,084,385

VENTILATOR FOR VEHICLES

Edwin J. Conley and Harry J. Menzies, New York, N. Y.

Application January 14, 1936, Serial No. 59,009
7 Claims. (Cl. 296—44)



1. A ventilator for the side window of a moving vehicle, having in combination an air deflecting hood opening rearward outside the vehicle and with its forward end substantially in the plane of the vehicle side, and a panel mounted to slide horizontally inside of and in engagement with the said forward end of the hood to close the window forward of the hood or open it for ventilation or signaling.

2,084,386

PLASTIC AND COATING COMPOSITIONS

John William Croom Crawford, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application September 19, 1934, Serial No. 744,675. In Great Britain September 27, 1933
1 Claim. (Cl. 106—22)

A composition comprising polymerized methyl alpha methacrylate and a plasticizer therefor selected from the group consisting of pelargonic acid, oleic acid, and stearic acid, the amount of the plasticizer being not in excess of the amount compatible with the resin.

2,084,387

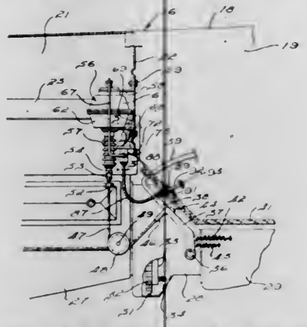
CLUTCH OPERATING MECHANISM

Edward F. Dickieson, Jr., Detroit, Mich., assignor by mesne assignments, to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application April 4, 1932, Serial No. 603,031
14 Claims. (Cl. 192—.01)

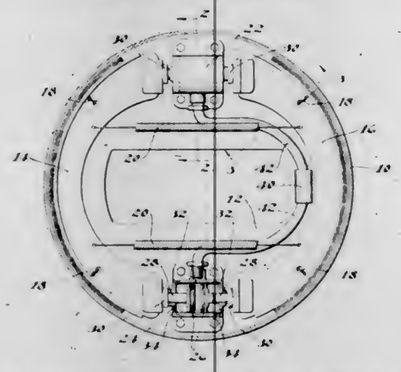
1. In combination with a motor vehicle having an engine for driving the latter, said engine having an intake manifold for supplying a combustible mixture of fuel and air thereto, of a clutch having a pair of relatively movable elements for connecting or disconnecting said engine

and said vehicle, resilient means normally tending to hold said elements in frictional engagement with one another for driving said vehicle, fluid pressure actuated means having a movable clutch operating element adapted to separate said clutch elements in opposition to said re-



silient means and to permit the engagement of said clutch elements in response to the operation of said resilient means, and fluid pressure actuated means responsive to variations in pressure in said manifold during engagement of said clutch elements for changing the normal rate of engagement of said elements in response to the operation of said resilient means.

2,084,388
BRAKE
Adiel Y. Dodge, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application April 23, 1931, Serial No. 532,298
9 Claims. (Cl. 188—152)



1. A brake comprising a pair of shoes, a pair of cylinders between the ends of the shoes, and a pair of pistons in each cylinder arranged to act on the adjacent shoe ends and each formed with a part shouldered for anchoring engagement with the end of the cylinder.

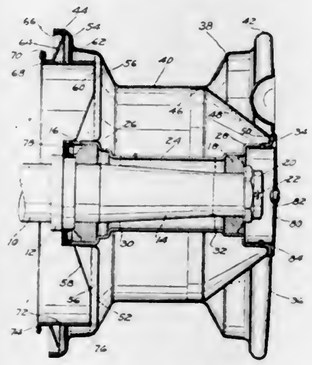
2,084,389
PRODUCTION OF ARTIFICIAL MATERIALS
Henry Dreyfus, London, England
No Drawing. Application April 15, 1930, Serial No. 444,622. In Great Britain May 17, 1929
3 Claims. (Cl. 106—40)

1. Artificial filaments, threads, yarns, ribbons and like materials having a reduced luster due to the presence therein of a finely divided pigment consisting entirely of barium sulphate which has been heated to a temperature of 600 to 900° C. and which has an average particle size of less than 0.003 millimetres.

2,084,390
MANUFACTURE OF HYDRATION PRODUCTS OF OLEFINES
Henry Dreyfus, London, England
No Drawing. Application August 25, 1933, Serial No. 686,732. In Great Britain September 7, 1932
4 Claims. (Cl. 260—151)

1. Process for the manufacture of hydration products of olefines, which comprises bringing an olefine into contact with water at elevated temperatures in the presence of a salt containing a metallic element and oxygen in the acid radicle and capable of existing in a plurality of hydrated forms differing only in their degree of hydration.

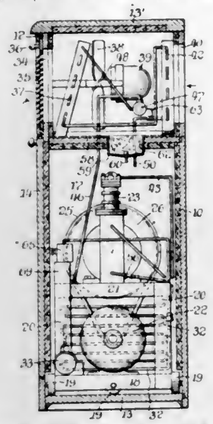
2,084,391
WHEEL
Frederick C. Frank, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 21, 1931, Serial No. 582,450
6 Claims. (Cl. 301—6)



2. A wheel comprising a hub, a radial load carrying disc secured to the hub, a drop center rim formed integral with the disc, a conical member bracing the adjacent side of the drop center to the disc, a second radial load carrying disc connecting the rim to the hub, spokes on the second disc, a drum supporting disc on the hub having an offset portion, and a drum supported in the offset portion having means interlocking the drum with the spokes.

2,084,392
AIR CONDITIONING DEVICE
John M. Frank, Winnetka, and Walter H. Rietz, Ravinia, Ill., assignors to Ilg Electric Ventilating Company, Chicago, Ill., a corporation of Louisiana
Application September 30, 1933, Serial No. 691,614
4 Claims. (Cl. 62—129)

1. In an air conditioning device, the combination with a cabinet formed with air inflow and outflow openings in two walls thereof respectively, of a backwardly inclined cooling coil opposite said outflow opening, a vertical cooling coil opposite said inflow opening, means for circulating a cooling medium through said coils, and a



fan and motor therefor located between said coils.

2,084,393
TREATMENT OF RESINS
Warren R. Hanson, Arlington, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 21, 1935, Serial No. 27,745
1 Claim. (Cl. 260—4)

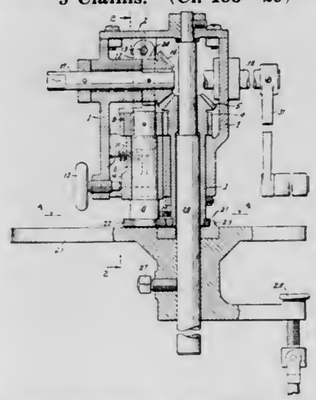
Method of producing a surface ornamentation on a piece of heat-hardened phenol formaldehyde resin comprising immersing same for about two minutes in an approximately 50% potassium hydroxide solution, the temperature of said solution being about 40° C., and then dipping same into hot water for about five seconds and then into cold water.

2,084,394
ART OF REFINING METALS
Max F. W. Heberlein, Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York
Application February 8, 1935, Serial No. 5,515
15 Claims. (Cl. 75—99)



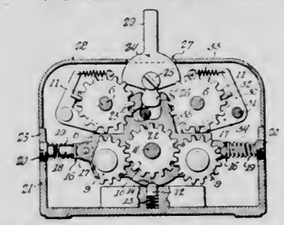
1. In the art of treating copper slimes containing selenium and tellurium, the step which consists in roasting the copper slimes at about 600° to about 700° F. and somewhat above substantially out of contact with heating gases and with intermittent rabbling, to form copper selenite and tellurium trioxide but at a temperature not to decompose or break down substantially these compounds.

2,084,395
EDGE-TURNING MACHINE
Herbert J. Heller, New York, N. Y., assignor to H. Weiss & Company, New York, N. Y., a copartnership
Application June 16, 1936, Serial No. 85,453
5 Claims. (Cl. 153—29)



1. An edge-turning machine comprising, a hollow shaft having a gear and roll thereon, a stub shaft having a gear in mesh with the gear on said hollow shaft and a roll adjacent to said first roll, a housing for said shafts and gears, a support rod extending through said hollow shaft, rigidly secured to said housing and extending therethrough, a work table adjustably secured to the extended portion of said support rod, said rod being the sole supporting means between said housing and said work table, means associated with one of said rolls for imparting rotary motion thereto to draw a sheet of metal between said rolls and said work table so that a portion thereof passes between said rolls, a forming element having an extremity thereof operatively positioned between the periphery of said rolls for cooperating with said rolls to turn the edge of the metal passing therebetween substantially at right angles with the plane of the balance of the sheet of metal.

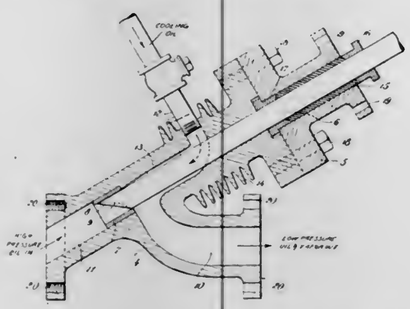
2,084,396
COUNTER DRIVE MECHANISM
Mark M. Hennessy, Milwaukee, Wis., assignor to Durant Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 29, 1934, Serial No. 732,988
7 Claims. (Cl. 74—389)



1. In a device of the character described, the combination of a drive shaft and a pair of coun-

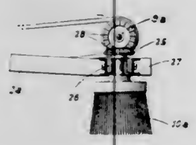
ter shafts, a separate gearing connection between said drive shaft and each of said counter shafts including a shiftable idler gear to connect said drive shaft with one of said counter shafts, a shiftable frame on which said shiftable idler gears are mounted, means for holding said frame in either of its driving positions, means for restraining the movement of the undriven counter shaft, and means operatively connected to said frame for shifting the same.

2,084,397
CONTROL VALVE
William Hildebrandt, Hammond, Ind., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application January 14, 1936, Serial No. 59,059
6 Claims. (Cl. 251—75)



1. A pressure release valve for oil cracking systems, comprising a valve body having an inlet for high pressure fluid, an outlet for released fluid, and therebetween a valve mechanism composed of a valve, a valve seat, and a valve stem, on said valve body an extended sleeve surrounding said valve stem, and spaced therefrom to provide an annular passage within said sleeve around said valve stem, said annular passage having free and open communication with the main liquid passage of the valve, and means for admitting to said annular passage a fluid colder than the fluid to be controlled.

2,084,398
BEET TOPPER
Albert M. Jongeneel, Walnut Grove, Calif., assignor of twenty per cent to George P. du Bose, Stockton, Calif., and forty per cent to Frank B. Haines, Isleton, Calif.
Application August 12, 1936, Serial No. 95,535
8 Claims. (Cl. 55—107)



6. A plant topping machine comprising a supporting frame adapted to be drawn along the ground, and a driven rotary brush mounted on said frame; the axis of the brush being vertically disposed and the bristles of the brush depending for engagement with the plant tops.

2,084,399
POLYMERIZATION PROCESS
Glen M. Kuettel, Roselle, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 12, 1935, Serial No. 54,045
9 Claims. (Cl. 106—22)

1. Process which comprises dissolving a dye that tends to inhibit polymerization, in a flowable composition comprising a compound from the group consisting of polymerized esters of acrylic and alkacrylic acids, dissolved in a compound from the group consisting of the monomeric esters of acrylic and alkacrylic acids, and subjecting said composition to polymerizing conditions until the monomeric ester is substantially completely polymerized.

2,084,400
BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application July 16, 1934, Serial No. 735,347
19 Claims. (Cl. 188—78)

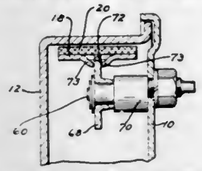


1. A brake comprising in combination a pair of floating shoes, two anchors for said shoes interposed between the ends thereof, an adjustable part at one end of each shoe extending to the side of the corresponding anchor opposite said shoe, means on the other end of each shoe contacting with the portion of the respective part which extends beyond the adjacent anchor and tending to cause force to be transmitted through said adjustable part to the first mentioned end, and a floating applying lever for equalizing the pressures effective for applying the shoes.

2,084,401
BRAKE
Ludger E. La Brie, Detroit, Mich., and Adolph Rosner, Rockton, Ill., assignors to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Original application September 11, 1929, Serial No. 391,714, now Patent No. 2,044,988 dated June 23, 1936. Divided and this application November 7, 1935, Serial No. 48,638
7 Claims. (Cl. 188—78)

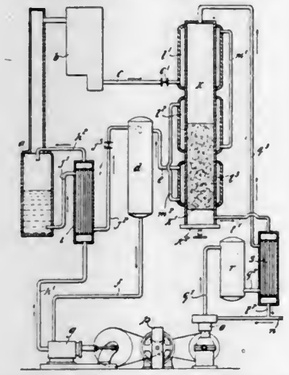
1. A brake structure comprising, in combination, an annular expansible friction device and stop means for determining the inoperative position of said device comprising an eccentrically

mounted roller member extending in a plane parallel to said brake and contacting in its periphery the relatively narrow portion of the rim de-



fined by outwardly striking portions of the rim of said friction member, said latter portions contacting the side faces of said roller serving as guides thereof.

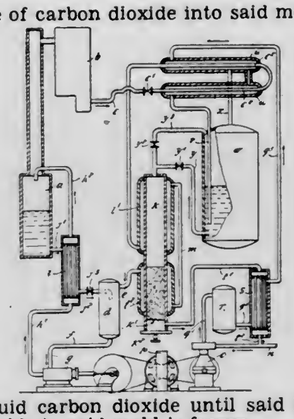
2,084,402
PRODUCTION OF SOLID CARBON DIOXIDE
Guido Maiuri, Aldwych, London, England, assignor to Maiuri Refrigeration Patents Limited, London, England
Application December 3, 1934, Serial No. 755,754
In Great Britain June 6, 1934
2 Claims. (Cl. 62—121)



1. A method of producing dense solid carbon dioxide in a mould, consisting in cooling the upper portion of said mould to a temperature slightly above and the lower portion of said mould to a temperature below the triple point temperature of carbon dioxide, and continuously admitting gaseous carbon dioxide at slightly above the triple point pressure of carbon dioxide into said mould while applying suction to the under surface of solid carbon dioxide formed in said mould.

2,084,403
PRODUCTION OF SOLID CARBON DIOXIDE
Guido Maiuri, Aldwych, London, England, assignor to Maiuri Refrigeration Patents Limited, London, England
Original application December 3, 1934, Serial No. 755,754. Divided and this application June 23, 1936, Serial No. 86,771. In Great Britain June 6, 1934
2 Claims. (Cl. 62—121)

1. A method of producing dense solid carbon dioxide in a mould, consisting in cooling the upper portion of said mould to a temperature slightly above and the lower portion of said mould to a temperature below the triple point temperature of carbon dioxide, partially filling said mould with liquid carbon dioxide, applying suction to the under surface of said carbon dioxide in said mould, and admitting gaseous carbon dioxide at slightly above the triple point pressure of carbon dioxide into said mould above

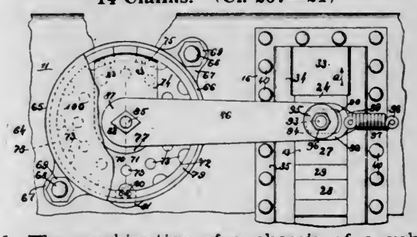


said liquid carbon dioxide until said liquid carbon dioxide in said mold is frozen.

2,084,404
BRAKE FLUID
Earl Bowman Millard, Newton, Mass., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
No Drawing. Application February 4, 1935, Serial No. 4,994
4 Claims. (Cl. 252—5)

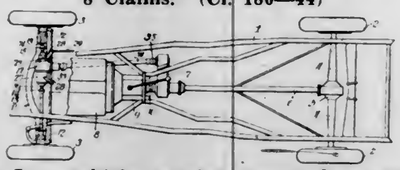
1. A liquid composition consisting of fusel alcohol, and a triethanolamine.

2,084,405
AUTOMOBILE VEHICLE
Philip M. Miller, Brooklyn, N. Y., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application November 15, 1933, Serial No. 698,067
14 Claims. (Cl. 267—21)



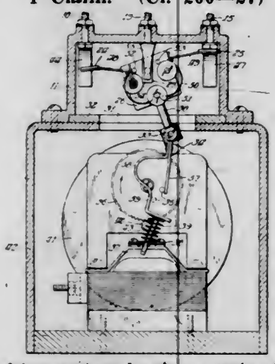
1. The combination of a chassis of a vehicle and a device consisting of a series of assembled parts in association of one with another and secured to the chassis and operative relative thereto in combination with a ground wheel carried by said device, the device being vertically and angularly operative with reference to the chassis in response to power applying thereon by oscillatory movements of the vehicle body caused thereto by the said ground wheel revolving on road pavement, said device being adapted to control the irregular oscillatory movements of the vehicle body with reference to the chassis, comprising a shackle member having pivotal engagement with a wheel axle spindle at its outboard side and rolling engagement with rotating elements at its inboard side, a yoke member engaging with the chassis and holding the shackle member in inseparably sliding engagement with the chassis, and compressible means including leverage means adapted to control the movements of the device.

2,084,406
VEHICLE DRIVE
Guy Morgan, New York, N. Y.
Application January 4, 1935, Serial No. 367
8 Claims. (Cl. 180—44)



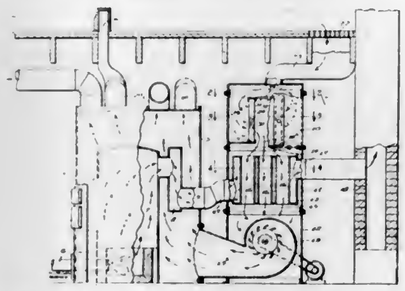
8. In a vehicle, a prime mover, four ground wheels two of which are dirigible, and means for driving the other two of said wheels and for optionally driving either or both of said dirigible wheels, from said prime mover.

2,084,407
SIGN FLASHING DEVICE
Thomas J. Mudon, Chicago, Ill., assignor, by direct and mesne assignments, to Circo Products Corporation, Chicago, Ill., a corporation of Illinois
Application February 8, 1934, Serial No. 710,244
1 Claim. (Cl. 200—27)



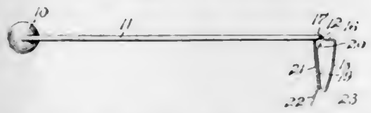
In a flashing system having a pair of consumption circuits adapted to be alternately supplied with current and a supply circuit adapted to supply current to said consumption circuits, switching means for continuously shifting the current supply from one to the other of said consumption circuits without breaking the supply circuit, said means comprising a pair of spaced contacts adapted for connection to the terminals of one consumption circuit, a second pair of spaced contacts adapted for connection to the terminals of the other consumption circuit, and a pair of spaced bridging contact members adapted for connection to the terminals of said supply circuit, each bridging contact member having two contacts electrically connected together, means for moving said bridging members in unison between a position where one contact of each bridging member engages one of the first named pair of stationary contacts and the opposite contact of each bridging member is spaced from the second named pair of stationary contacts and a position where said opposite contacts of the bridging members engage the second named pair of stationary contacts and the first named pair of stationary contacts are separated from the bridging members, said switching means including mechanism maintaining one contact of each bridging member in engagement with its respective stationary contact until the opposite contact thereof makes contact with its respective stationary contact.

2,084,408
AIR CONDITIONING AND HEAT ECONOMIZING ASSEMBLY
Moritz L. Mueller, Seattle, Wash.
Application September 9, 1935, Serial No. 39,856
10 Claims. (Cl. 257—244)



1. An economizer apparatus of the character described comprising a plurality of superposed cylindrical units, connecting means between said units by which they may be secured in a plurality of positions circumferentially with respect to each other, air handling and modifying means in the respective units, means for delivering air into the uppermost unit, and means for delivering air from the lowermost unit.

2,084,409
PAPER RETAINER FOR TRAYS
Carl E. Peterson, Upper Montclair, N. J., assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J.
Application March 19, 1936, Serial No. 69,629
2 Claims. (Cl. 129—26)

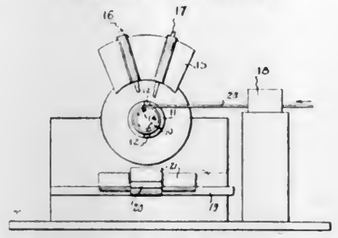


1. A paper retainer for trays comprising an oblong wire frame with the ends of the wire abutting at one end, a weight having a bore into which said ends project, and a sheet metal tray-attaching clip having a top plate with an open loop at one edge in which the other end of the frame is loosely fitted, the clip being bent at one end of the top plate to form a downwardly extending elongated return bend terminating beneath the loop in an inwardly extending lip, the clip extending from the open loop to form a plate in close proximity to the return bend.

2,084,410
METHOD OF TREATING FABRIC AND PRODUCT THEREOF
Herbert Platt, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application February 14, 1934, Serial No. 711,291
4 Claims. (Cl. 8—20)

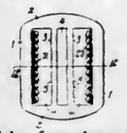
3. The method of delustering textile fabric, containing yarns of organic derivatives of cellulose, which comprises subjecting the fabric, while supported so that the cellulose derivative yarn is substantially free both from applied tension and from tension due to the weight of the fabric, to the action of a hot aqueous delustering bath.

2,084,411
ASSEMBLY MACHINE AND METHOD
George F. Robarge, Toledo, Ohio
Application May 29, 1936, Serial No. 82,431
3 Claims. (Cl. 153—67)



1. A machine for forming a coil from a supply of stock sufficient to provide many coils and inserting it into a cup which comprises a spindle having a free end, means for feeding stock tangentially across the spindle, means for securing the leading end of stock fed across the spindle to the spindle, means for rotating the spindle to coil the leading end of the stock, means for severing the stock after the spindle has come to rest with the coil formed thereon and for securing the trailing end of the coil to the spindle, and for securing the leading end of the stock to the spindle for the next coil winding, means for disposing a cup in registry with the end of the spindle in position to receive the coil, and means for pushing the coil off the spindle and into the cup, and means for removing the assembled cup and coil from in registry with the free end of the spindle, and means for causing the coil pushing means to operate only after the coil is completely wound and cut off the stock and after the leading end of the stock for the next coil to be wound is secured to the spindle.

2,084,412
BUCKLE
Ferdinand A. Schaefer, Baltimore, Md., assignor of one-half to Theodore H. Low, New Haven, Conn.
Application March 15, 1932, Serial No. 598,908
15 Claims. (Cl. 24—186)

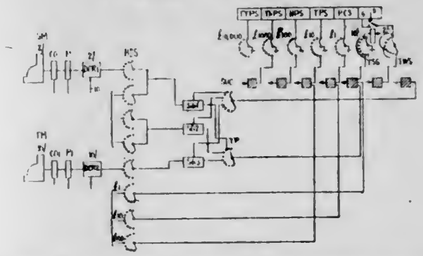


1. A slotted buckle for detachably holding a strap in adjusted position thereon, comprising a frame of two ends and two sides, and having at least one cross bar dividing the buckle into a plurality of slots, and lips extending from each end downwardly into the slots, and having broad upper and lower surfaces, the lower broad surfaces being roughened with projections and depressions with angular corners to catch and at least assist in holding contacting portions of the strap when pulled taut through the buckle into close contact with said portions.

2,084,413
FLOTATION REAGENT
Herman B. Siems, Chicago, Ill., assignor to Swift & Company Fertilizer Works, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 18, 1936, Serial No. 116,667
6 Claims. (Cl. 209—166)

1. The method of concentrating phosphate rock which comprises treating phosphate bearing material with tetramethylammoniumhydroxide, a fatty acid, and fuel oil, and thereafter concentrating the phosphatic constituents of the material.

2,084,414
ELECTRIC TOTALIZATOR
Lancelot Martin Simpson, Stanks, near Leeds, England, assignor to Automatic Electric Company Limited, Liverpool, England, a British company
Application September 29, 1930, Serial No. 485,181
In Great Britain October 15, 1929
8 Claims. (Cl. 235—92)



1. In a totalizing system, a plurality of transmitting stations, each having means for transmitting signals of a value individual thereto, the various values being denominationally related, a register having means for registering signals of different values, an indicator for indicating the sum total of the registered values, signal-collecting means, means for operating said collecting means to collect the signals of all values transmitted from said stations, means operated by said collecting means for storing collected signals of the lowest value, means controlled by said storing means when the number of signals stored therein are equal to a single signal of the next higher value to transmit a signal of said next higher value to said register, means for transmitting directly to said register all collected signals having values higher than said lowest value, and manually controlled means for transmitting the stored lowest value signals to said register, whereby fractions of said next higher value are registered and indicated only when desired.

2,084,415
RESINOUS COMPOSITION AND PROCESS FOR THE MANUFACTURE THEREOF
Daniel E. Strain, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 26, 1933, Serial No. 668,081
7 Claims. (Cl. 260—2)

3. In the manufacture of resinous materials by polymerization of methyl methacrylate the step of mixing with a solution of at least partially polymerized methyl methacrylate a liquid adapted to effect precipitation of polymerized methyl methacrylate therefrom without precipitating monomeric methyl methacrylate, and separating, washing, and drying the precipitated material.

7. As a new composition of matter, polymerized methyl methacrylate having a softening temperature of not less than 115° C. and being obtainable by subjecting methyl methacrylate to polymerizing conditions while dissolved in a liquid which is a solvent for polymeric methyl methacrylate and subjecting the solution, after at least partial polymerization has been effected,

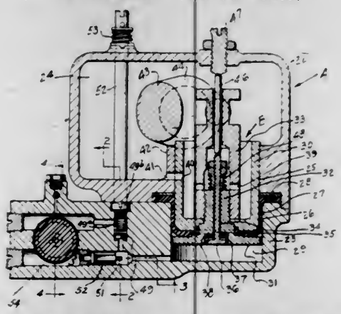
to the action of a liquid adapted to cause precipitation of polymeric methyl methacrylate from said solution without precipitating monomeric methyl methacrylate.

2,084,416
BRAKE

John W. Tatter, Akron, Ohio, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Refiled for abandoned application Serial No. 441,189, April 3, 1930. This application June 19, 1936, Serial No. 86,065

17 Claims. (Cl. 60—54.6)



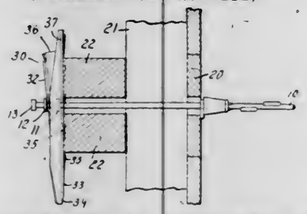
1. In a fluid brake system including a brake mechanism and a main pressure conduit, the combination of means for applying pressure to and causing the fluid in the brake system to actuate the brake mechanism, resiliently actuated valve means for maintaining an initial fluid pressure in the brake system to maintain the brake mechanism in approximately the same clearance position at all times, said valve means being located in the main pressure conduit of the brake system, and means for adjusting said resiliently actuated valve means to vary the initial fluid pressure.

2,084,417
WEDGE FOR CONCRETE FORM TIES

Charles C. Tomkinson, Plainfield, N. J., assignor to Ralph E. Ogden, Mountainville, N. Y.

Application August 10, 1935, Serial No. 35,569

7 Claims. (Cl. 25—131)



1. A tapered wedge for concrete form tie rods having a flat base and constructed with a longitudinal slot, and a plurality of longitudinally spaced ridges parallel with the slot projecting rearwardly from the base.

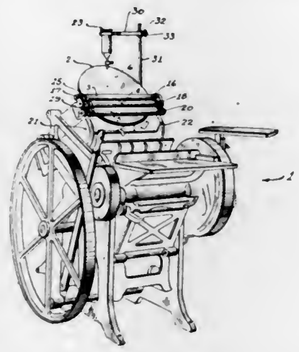
2,084,418
PRESS INKING DEVICE

Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application June 5, 1936, Serial No. 83,645

11 Claims. (Cl. 101—340)

1. In combination with a printing press having an inking plate and transfer means for transferring ink from the inking plate to the type of said press, means including a drip vessel spaced



from and above the inking plate for feeding miscible fluids to the inking plate for incorporation with ink during the printing operation.

2,084,419
DEHYDRATING ORGANIC LIQUIDS

Theodor Wallis, Dessau-Ziebigk in Anhalt, and Oskar Falek, Wiederitzsch, near Leipzig, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application March 23, 1932, Serial No. 600,730. In Germany March 30, 1931

3 Claims. (Cl. 202—68)

1. A process for dehydrating continuously organic liquids which at the beginning of the process contain some water and do not chemically react with calcium sulfate, which comprises completely dehydrating calcium sulfate at about 160 to about 180° C., vaporizing the liquid to be dried, distributing the anhydrous calcium sulfate, passing the vapors of the liquid through the calcium sulfate in countercurrent and in such an amount that by absorption of water the anhydrous calcium sulfate is converted into the semihydrate, withdrawing the latter from the dehydration zone, subjecting it to a temperature of about 160 to about 180° C., until it is again transformed into the anhydride and reconveying it into the dehydration zone for the vapors of the organic liquid.

2,084,420
MANUFACTURE OF PHOTOGRAPHIC PICTURES

Edith Weyde, Cologne-Niehl, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

No Drawing. Application July 25, 1934, Serial No. 736,959. In Germany July 25, 1933

7 Claims. (Cl. 95—6)

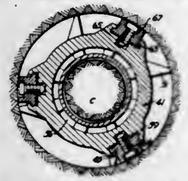
1. A process of producing photographic pictures which comprises exposing to light an emulsion layer containing a compound of a heavy metal capable of forming a dark-colored sulfide until developable nuclei are formed, and treating the latent image thus produced with a solution containing a thio-compound capable of forming the metal sulfide to form a visible image from the latent image immediately following exposure.

2,084,421
WELL DRILL

Jesse C. Wright, Los Angeles, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California

Application September 18, 1933, Serial No. 689,896

7 Claims. (Cl. 308—4)



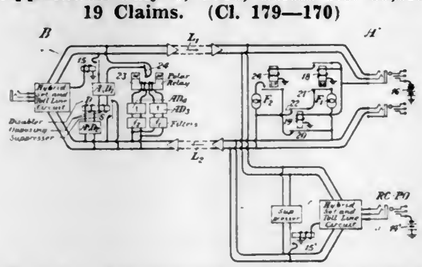
1. In a well drill, a body adapted to be connected with a bit head, a projecting enlargement on the exterior of the body to be spaced above the head, the enlargement having a socket having an open outer side, a closed end wall and a normally open end opposite said wall and grooves in its side walls, a guide part adapted to be passed into the open end of the socket to bear on said end wall and project from its open outer side to engage the wall of the well bore, and tongues on the guide part cooperating with the grooves to hold the guide part in the socket.

2,084,422
TELEPHONE TRANSMISSION CIRCUIT

Sumner Bisbee Wright, South Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application July 6, 1936, Serial No. 89,213

19 Claims. (Cl. 179—170)



12. In a communication system including a four-wire link to be connected in series with other links and supplied with echo suppressors normally disconnected, means for connecting echo suppressors when the link is connected to other links of the same character, means for disabling the suppressor at the remote end of this link when connections are made at the near end to a link of a different character, and further means for enabling the suppressor at the remote end when that connection at the near end is broken.

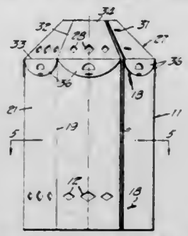
2,084,423
COLLAPSIBLE OLLA COVER

Melford D. Battye, Daly City, Calif.

Application May 27, 1936, Serial No. 82,073

2 Claims. (Cl. 62—90)

1. A cover for an olla comprising a tubular body portion and a top portion therefor, inclining outwardly from the body portion towards the longitudinal axis thereof, and having a central opening adapted to receive the mouth of an olla; said portions being made of sheet material and each having its meeting edges detachably secured together, and means detachably connecting said body and top portions together; said portions being provided with openings arranged to cause a circulation of air over the outside surface of



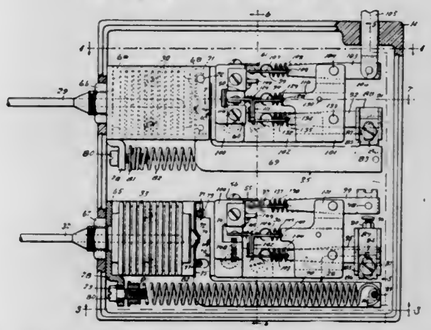
such olla, and said portions further provided with aligned creases arranged to permit folding of the cover portions while they are secured together.

2,084,424
REFRIGERATING APPARATUS

John J. Bauman, Lima, Ohio

Application November 6, 1935, Serial No. 48,548

14 Claims. (Cl. 200—83)



1. In an automatic control, an element movable responsive to conditions to be controlled, a plurality of switch mechanisms, and means operated by said element for actuating one of said switch mechanisms to open and close the same by back and forth motion of said element in a limited region of its motion responsive to said conditions and for actuating the other of said switch mechanisms to open and close the same by back and forth motion of said element in another limited region of its motion responsive to said conditions, said switch mechanisms including overcentering levers actuated by spring means connected thereto, and movable elements upon which said overcentering levers are pivotally mounted and to which said spring means are connected, said movable elements being pivotally supported intermediate the connection of the springs and the pivot points of said levers, whereby small motion of said movable elements will serve to operate said switches.

2,084,425
INTERLOCKING CONTROL APPARATUS

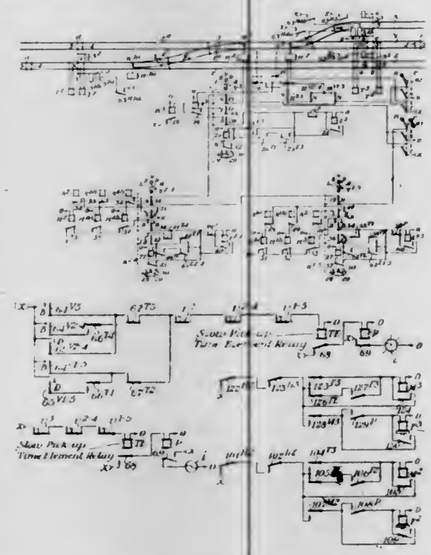
Charles W. Bell, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application March 19, 1935, Serial No. 11,807

35 Claims. (Cl. 246—161)

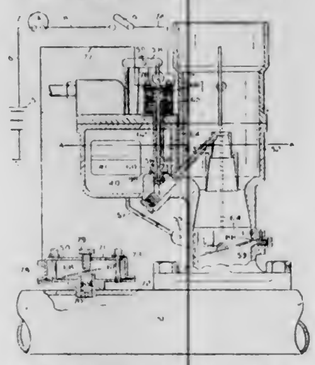
21. In combination, a selector relay, an electroresponsive device, a time element device, a manually controllable device, means controlled by said manually controllable device for energizing said selector relay, means preventing the se-

lector relay from becoming energized except when the time element device has been deenergized, means controlled by said manually controllable device for energizing the time element device contemporaneously with said selector re-



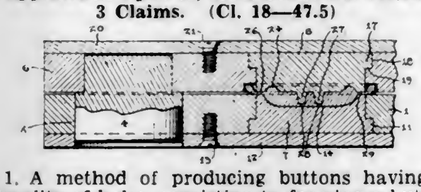
lay, and means controlled by said selector relay for energizing said electroresponsive device while said selector relay is energized when said time element device has been energized a measured period of time.

2,084,426
FUEL CUT-OFF
Russell G. Berry, De Soto, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application January 2, 1934, Serial No. 704,977
8 Claims. (Cl. 123—119)



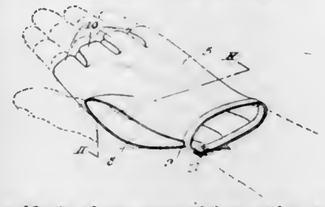
1. In an internal combustion engine, an ignition circuit having a control switch therefor, a carburetor having a fuel supply chamber, a carbureting chamber, and a fuel passage connecting said chambers, valve means for controlling said fuel passage and means for closing said valve whenever said ignition circuit is broken, and means for closing said valve without cutting off said ignition circuit.

2,084,427
METHOD OF MAKING BUTTONS
Neil O. Broderson, Rochester, N. Y., assignor to Rochester Button Company, Rochester, N. Y., a corporation of New York
Application April 21, 1934, Serial No. 721,821
3 Claims. (Cl. 18—47.5)



1. A method of producing buttons having a plurality of holes, consisting in forming a button of plastic material in a sectional mold provided on one of its sections with a plurality of tapered thread hole forming pins of a length to extend substantially through the molded button and into substantially abutting relation with a concaved surface on the other mold section to form thin films of plastic material on the button at the minor ends of the holes at the back of the button, removing the button from the mold, and then removing the said films by a tumbling action against the exterior surface of the button.

2,084,428
GOLFER'S GLOVE
Lester C. Bush, Columbus, Ohio, assignor to The National Glove Company, Columbus, Ohio, a corporation of Ohio
Application July 11, 1936, Serial No. 90,164
2 Claims. (Cl. 2—159)

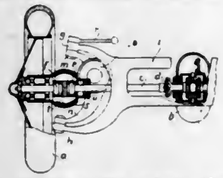


1. A golfer's glove comprising palm and back sections, the palm section presenting an unbroken seamless surface, open-ended finger extensions formed with the forward portions of said sections, said extensions terminating contiguous to the first joint of each of the wearer's fingers, one side of said glove being provided with an elongated thumb receiving opening having closed and open ends, the closed end of said opening terminating adjacent to the base of the thumb and the open end thereof at the wrist of the glove, and means for closing the open end of said thumb receiving opening and simultaneously fastening the glove around the wrist of the wearer.

2,084,429
STEERING-WHEEL DRIVE FOR POWER VEHICLES
Richard Bussien, Cologne, Germany, assignor to Voran Automobilbau-Aktiengesellschaft, Berlin-Oberschoneweide, Germany
Application November 27, 1935, Serial No. 51,940
In Germany December 20, 1934
2 Claims. (Cl. 180—43)

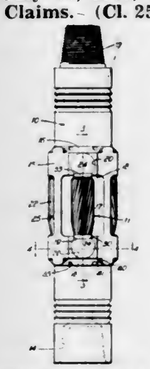
1. A steering-wheel drive for power driven vehicles the wheels of which are suspended elastically and independently from each other, and which have oscillating, preferably three-jointed driving shafts, comprising, in combination with

the vehicle frame and the three-jointed driving shaft, a driven steering wheel, swivel-journals for said wheel supported in the vehicle frame, a rocking lever carying said wheel and extending in the longitudinal direction of the vehicle, means supporting said lever elastically relative to said journals, said lever and supporting means taking part in the steering movement of the steering wheel and the lever being capable of rocking



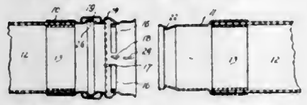
upwardly and downwardly when the vehicle is running over uneven surfaces, a hollow ball at the end of the rocking lever carrying the steering wheel, a bearing supporting the jointed driving shaft adjustably in said hollow ball, and another hollow ball-shaped member attached to said bearing and constituting the means for permitting said adjustment, two of the joints of the drive shaft being disposed in the hollow ball-shaped members.

2,084,430
WELL REAMER
Alfred C. Catland, Alhambra, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application July 22, 1935, Serial No. 32,578
16 Claims. (Cl. 255—73)



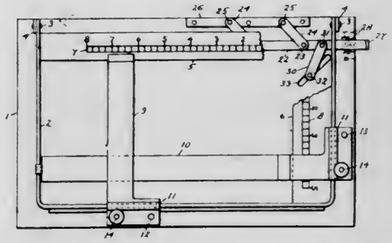
1. In a well reamer, a shank having a substantially radial bore, a cutter, and means for mounting the cutter including a pin supporting the cutter, and a block fitting said bore and carrying the pin, the bore having a wall cooperating with the block to prevent movement of the block in both directions axially of the shank.

2,084,431
COUPLING FOR HOSE AND LIKE PIPING
Douglas Catley, Wellington, New Zealand
Application July 31, 1936, Serial No. 93,737. In New Zealand August 17, 1935
4 Claims. (Cl. 285—168)



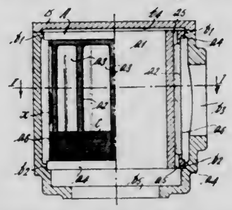
1. Pipe coupling means comprising a tubular spigot member formed with an external peripheral groove a distance back from its end, a tubular socket member adapted to receive the spigot member and formed with an internal peripheral groove a distance back from its end, which groove is made with a slot extending circumferentially and opening through to the outside, an expansible ring fitted within the latter groove, adapted to be distended by the passing of the spigot member into the socket member and then to contract into the groove of the socket member, a projection on one end of the said ring extending into the slot of the socket member, and a sleeve mounted to turn upon the socket member and made to engage such projection to thereby distend the said expansible ring to free the socket member when the sleeve is turned upon the socket member.

2,084,432
ENLARGING EASEL
Victor P. Clear, New York, N. Y.
Application February 8, 1937, Serial No. 124,583
4 Claims. (Cl. 88—24)



1. An enlarging easel comprising a base, a frame hingedly supported on the base, masking members on the frame at right angles to each other and adapted to press a sheet of paper against the base, a member movably supported on the base and adapted to form a rest for one edge of the paper back of the edge of the corresponding masking member, means to manually adjust the position of the movable member for a desired margin, an arm pivotally connected with the movable member at one end, and means on the base for guiding the other end of the arm, said guiding means being adapted to advance the end of the arm at right angles to the movement of the movable member and for the same distance.

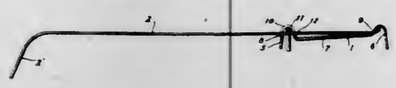
2,084,433
FILTER, STRAINER, AND THE LIKE
Frank Oscar Levi Chorlton, Bury, England
Application October 12, 1935, Serial No. 44,794
In Great Britain October 27, 1934
6 Claims. (Cl. 210—169)



1. In filtering apparatus in combination;—a filter casing having inlet and outlet openings; a cage located within the casing and having peripherally situated, circumferentially spaced, longitu-

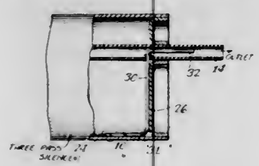
dinally disposed upstanding members constituting a polygonal former to support a filtering element comprising a wire helix wound thereon with a space between successive convolutions; jointing means on the casing and on the cage which when jointed connect the enclosed space outside the helix to one of the said casing openings and the enclosed space within the helix to the other said opening; and a filtering element consisting of a wire helix wound on said cage members with a space between its successive convolutions, the normal transverse cross-section of the wire of which the helix is wound being a segment of a circle, the helix being wound with a part of the circular periphery of the wire on and supported by the longitudinal members of the former, and with the side of the wire which in transverse section is a straight line disposed in a surface of revolution, the generatrix of which is a line, and the axis of which is the axis of the helix, the pitch of the helix being slightly greater than the width of the said side.

2,084,434
RAKE
Charles H. Dennis, Jackson, Mich., assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Original application April 6, 1931, Serial No. 527,864. Divided and this application November 30, 1932, Serial No. 644,969
4 Claims. (Cl. 55—10)



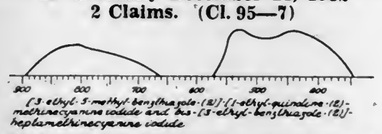
1. In a broom rake, a handle, an elongated cross head extending transversely of the handle, a plurality of resilient metal tines having ground-engageable portions at one end and a hook portion at the other end, the tines extending forwardly from the cross head, forwardly and rearwardly spaced channel portions on the head, each tine loosely engaging the forward channel portion and having the hook portion disposed within the rear channel portion, and a common removable key disposed within the forward channel portion permitting longitudinal shifting of the tines therein and preventing disengagement of the tine hook portion from the rear channel.

2,084,435
CONDENSATE ELIMINATING MEANS FOR SILENCERS
Floyd E. Deremer, Detroit, Mich., assignor to Oldberg Mfg. Co., Detroit, Mich.
Application February 3, 1936, Serial No. 62,042
6 Claims. (Cl. 181—36)



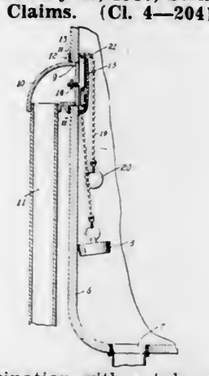
1. In a silencer, means for eliminating condensate therein comprising a fine tube having its inlet in the lower part of the silencer casing and having its outlet in the outlet passage of the silencer.

2,084,436
PHOTOGRAPHIC MATERIAL
Walter Dieterle, Dessau-Ziebigk in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application December 13, 1933, Serial No. 702,237
In Germany December 14, 1932
2 Claims. (Cl. 95—7)



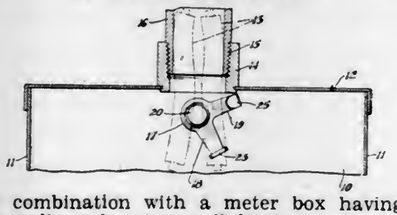
2. A photographic material comprising a support and a silver halide emulsion layer sensitized with a [3-alkyl-benzthiazole-(2)-]-[1-alkyl-quinoline-(2)]-methinecyanine salt and a bis-[3-alkyl-benzthiazole-(2)]-heptamethinecyanine salt and having a gap in sensitization extending from about 540$\mu\mu$ to about 700$\mu\mu$.

2,084,437
TUB OR BASIN FITTING
Charles J. Frankenberger, Louisville, Ky., assignor to Standard Sanitary Manufacturing Company, a corporation of New Jersey
Application February 26, 1937, Serial No. 127,861
4 Claims. (Cl. 4—204)



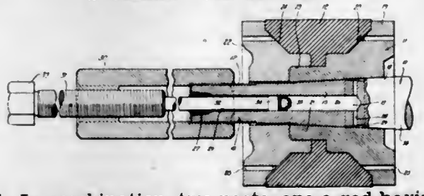
1. The combination with a tub or basin overflow outlet shield or cover provided with aligned oppositely arranged openings, of a stopper chain passing through said openings and a chain retainer within the shield or cover and arranged to yieldingly resist movement of the chain through the shield or cover.

2,084,438
METER SUPPORT
Richard W. Grace, Canton, Ohio, assignor to The Superior Switchboard & Devices Company, Canton, Ohio, a corporation of Ohio
Application December 20, 1935, Serial No. 55,471
1 Claim. (Cl. 247—2)



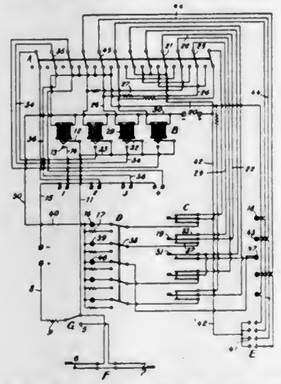
In combination with a meter box having a back wall, and a top wall having an opening therein, a bracket pivoted upon the back wall directly below said opening, a leg upon said bracket having an angular inturned end portion for supporting a meter, the bracket being arranged to be swung upon its pivot swinging said leg to one side of the opening to a position permitting cables to be inserted through said opening.

2,084,439
PISTON AND PISTON ROD ASSEMBLY
Leland S. Hamer, Long Beach, Calif.
Application March 10, 1934, Serial No. 715,031
2 Claims. (Cl. 287—53)



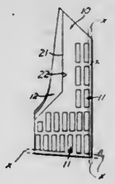
1. In combination, two parts, one a rod having a tapered portion, the other a piston having a tapered opening receiving the tapered portion of the rod, there being an annular space between the contacting parts surrounding the rod, one of the parts having an opening extending to said space to conduct fluid pressure thereto, a member removably threaded on said part, and a plunger threaded in the member and operable in the opening to create pressure in the space to disconnect the parts.

2,084,440
TRAINING APPARATUS
Hugo Heinis, Geneva, Switzerland
Application March 9, 1933, Serial No. 660,188
In Switzerland March 11, 1932. Renewed April 20, 1937
10 Claims. (Cl. 35—11)



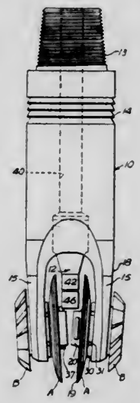
1. Apparatus for quickening the speed of a pupil's reactions to an approximation of his individual maximum, to adapt him for example as a vehicle driver, comprising an auxiliary circuit to be made by the instructor and broken by the pupil, a main supply circuit, a switch for inserting said auxiliary circuit into said main circuit, a chronoscope in said main circuit for measuring the time between make and break in said auxiliary circuit, a third circuit, a relay in said third circuit and having its armature in the main circuit for interrupting the latter when desired, and a switch in said third circuit for closing the same on a source of current supply.

2,084,441
METHOD FOR MAKING A CUTTING TOOL
John H. Howard, Huntington Park, and Alfred C. Catland, Alhambra, Calif., assignors to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application January 9, 1934, Serial No. 705,868
3 Claims. (Cl. 76—108)



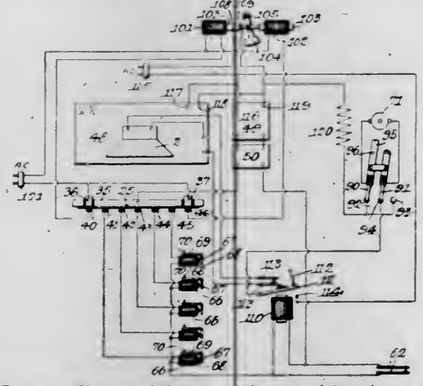
1. The method of making a tool including wrapping bodies of hard cutting material with a foil of a brazing material, temporarily securing the wrapped bodies to a plate by tightly fitting them in spaced perforations in the plate, and then securing the plate and said bodies to the tool by brazing them thereon during which operation said foil forms a brazing bond between the said bodies and the plate.

2,084,442
ROTARY DISK BIT
John H. Howard, Huntington Park, and Alfred C. Catland, Alhambra, Calif., assignors to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application May 4, 1934, Serial No. 723,894
8 Claims. (Cl. 255—71)



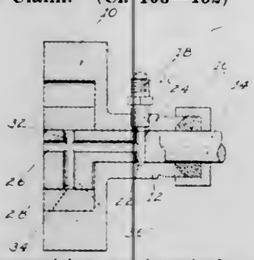
1. A well bit including a shank, a leg projecting from the lower end of the shank, the leg having a transverse opening, disk cutters arranged at opposite sides of the leg, a projecting hub on one cutter, a shoulder on the hub adjacent said cutter, a bushing on the hub having one end bearing against the shoulder, threads connecting the other cutter with the hub for rotation therewith and for bearing engagement against the other end of the bushing, a bearing in the opening carrying the hub for rotation, a pin holding the bearing against rotation, and a retaining nut threaded on the bearing, the bushing holding said other cutter spaced from the nut.

2,084,443
TIME CONTROLLED PROGRAM SELECTOR FOR RADIO SETS
Lillian Yancey Huffaker, Los Angeles, Calif.
Application May 8, 1933, Serial No. 670,006
1 Claim. (Cl. 250—20)



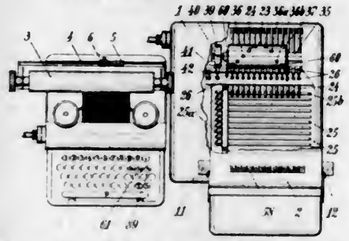
In a radio receiving set the combination with a condenser shaft and a condenser thereon, of a reversible electric motor, mechanism operated thereby for rotating the condenser shaft, a reversing switch for the motor, means movable with the condenser for operating the switch upon the completion of the movement of the condenser in either direction, thereby to reverse the rotation of the motor and condenser, a sweep movable with the condenser shaft, a series of electromagnets adjacent to the path of the sweep, selective means for energizing any one of the magnets, and means operated by each magnet when energized, for stopping the movement of the sweep and condenser and breaking the circuit to the motor, said means including a spring pressed armature, a pivoted arm carrying the same, a projection on the arm, and contacts on the sweep included in a circuit to the motor, and a speaker circuit, said contacts constituting means for engagement by the projection when the magnet is energized thereby to shift the contacts together to break the motor circuit and close the speaker circuit.

2,084,444
OIL PUMP
Arthur Kosian, Chicago, Ill.
Application August 26, 1935, Serial No. 37,790
1 Claim. (Cl. 103—132)



A pump, comprising an interiorly cylindrical housing, a planetating element mounted in the housing for line contact therewith, a single valve element mounted on the planetating element and extending into a recess in the housing, the valve element including a nose adapted to form a line contact with a corresponding plane surface of the recess, an integral driving shaft cam for operating the said element, and a bearing for the driving shaft integral with the housing, an inlet for liquid to be pumped in the bearing and a final inlet therefor in the planetating element into the interior of the housing, a corresponding opening through the shaft connecting said inlet, said opening comprising a channel extending longitudinally of the shaft, and cross channels in the shaft aligned with the inlet openings to the shaft, one of said cross channels being provided in the cam portion of the shaft, and an annular peripheral groove in said cam portion continuously connecting said last named channel with said inlet in the planetating element.

2,084,445
COMBINED CALCULATING AND TYPEWRITING MACHINE
August Kottmann, Sommerda, Germany, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf, Germany, a corporation of Germany
Application December 9, 1935, Serial No. 53,634
In Germany February 14, 1935
3 Claims. (Cl. 235—60)

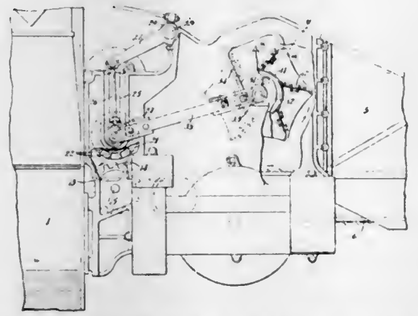


1. A combined key-operated calculating and typewriting machine comprising a typewriter carriage; an accumulator having numeral rolls; a total printing device with automatic decimal point printing means; and a drive mechanism for said printing device, said total printing device comprising a drum with staggered switch contacts and longitudinally movable on a shaft for the purpose of altering the position of the decimal point, contact devices actuated through the numeral rolls of the accumulator by the drive mechanism and co-operating with the contacts on the drum, electromagnets arranged in circuits controlled by the contact devices and operating the spacing key, the numeral keys and the decimal point key of the typewriter, and means under control of said typewriter carriage for automatically moving said contact drum through a predetermined number of ordinal places during operation of the machine.

2,084,446
PROCESS FOR MANUFACTURING SOAP AND GLYCERINE
Henry W. F. Lorenz, Jersey City, N. J., assignor of forty per cent to Charles H. Wilson, New York, N. Y.
No Drawing. Refiled for abandoned application Serial No. 353,849, January 24, 1920. This application November 8, 1934, Serial No. 752,122
19 Claims. (Cl. 87—16)

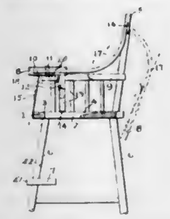
1. The process of making soap and glycerine which consists in heating a mixture of fat and a base to a temperature in excess of the melting point of the resulting anhydrous soap and thoroughly agitating the mixture in an atmosphere free of air while intimately contacting the mixture with a stream of water vapor.

2,084,447
FODDER CUTTER AND ACCUMULATING ROLL THEREFOR
Vincent Matejcik, Canton, Ohio, assignor to Blizzard Manufacturing Company, Canton, Ohio, a corporation of Ohio
Application October 31, 1935, Serial No. 47,659
4 Claims. (Cl. 146—109)



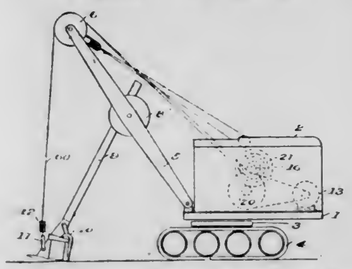
1. In feed apparatus for a fodder cutter and the like and adapted for feeding relatively long ranging from fine to coarse stalks of vegetation and their appendages, a feed trough, endless belt conveyor means operating in the bottom of the trough, feed means operating at one end of the trough upon stalks and their appendages delivered thereto by the conveyor means, and an accumulator roll operating above the conveyor means in advance of the feed means, the accumulator roll being drive rotated and mounted for movement towards and away from the conveyor means and upon the stalks and their appendages passing between the accumulator roll and the conveyor, and the accumulator roll including end plates, an axial tube extending between the end plates, and blades extending outwardly from the tube and between the end plates, each blade having an inner leg portion and an outer foot portion angular with respect to each other and joining each other at an apex ridge extending longitudinally between the end plate, each end plate having a multi-sided periphery and salient corners between the sides thereof, the outer longitudinal edge of each blade extending between opposite salient corners of the end plates.

2,084,448
CHILD'S HIGH CHAIR
Dale Merchant, Elkhart, Ind.
Application March 16, 1936, Serial No. 69,029
3 Claims. (Cl. 155—189)



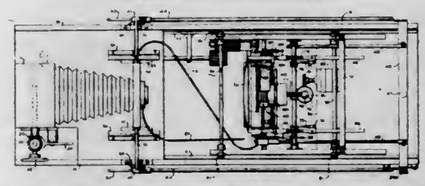
1. A child's high chair comprising a seat having spaced apart openings therein in close proximity to its front edge, a back, arm rests, a tray supported on the arm rests, a guard member adjustably mounted on the underside of the tray, spaced openings extending from the lower edge of the guard said openings being approximately in line with and directly over the seat openings, and a foot rest on the chair legs approximately in line with the front edge of the seat openings.

2,084,449
POWER SHOVEL
Walter R. Neese, Max Meadows, Va.
Application July 23, 1936, Serial No. 92,255
3 Claims. (Cl. 214—135)



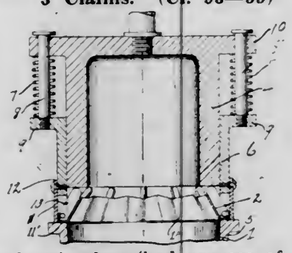
1. A power shovel plant of the character described including an elevating arm carrying a dipper, an elevating sheave secured to the said dipper, a prime mover carried on the said shovel, a plurality of winding drums also carried on said shovel, said drums being loosely mounted on a single horizontal shaft secured between vertically extending spaced brackets secured to the side frames of the shovel plant, means for transmitting power to said drums from said prime mover, the said drums being of substantially different diameters, a hoisting cable attached at either end to said drums, said cable passing through said elevating sheave and power take-off devices including booster brakes enabling each of said winding drums to operate independently of each other, the said booster brakes each comprising an offset brake drum attached to each of the winding drums and each having a transverse arm loosely affixed to the said winding drum shaft, an offset lug on each of said levers and an arcuate slot in each of said brake drums adapted to be engaged by the said lugs, tension means for each of said drums for moving the end of said arcuate slot against said lug and expanding brake shoes carried interiorly of each of said winding drums connected to and expanded by said transverse levers.

2,084,450
MEANS FOR LINE JUSTIFICATION
Robert E. Paris, New York, N. Y.
Application September 28, 1934, Serial No. 745,864
8 Claims. (Cl. 95—4.5)



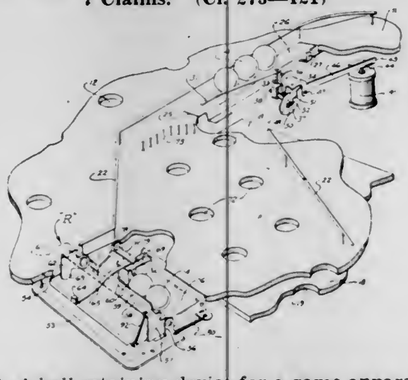
1. In a line justifying device, the combination of a camera, a copy-holder, a lens adjustably supported with relation to the copy-holder, a line-end sensing device operatively related to said copy holder for sensing the end of a line of copy supported thereby, and a device responsive to said sensing device for adjusting said lens in accordance with the length of the line sensed.

2,084,451
PROCESS AND APPARATUS FOR SECURING REENFORCING COLLARS TO PAPER CONTAINERS
Henry George Perkins, Baltimore, Md., assignor to Purity Paper Vessels Company, Baltimore, Md., a corporation of Maryland
Application January 23, 1936, Serial No. 60,503
3 Claims. (Cl. 93—55)



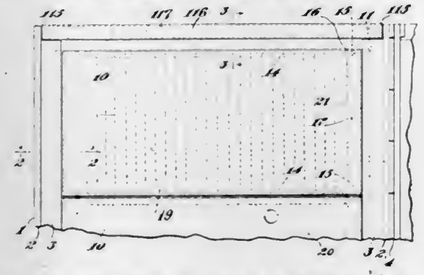
1. The herein described process of securing a cylindrical ring to the outside of a cylindrical portion at one end of a paper container which consists in applying adhesive to the inner surface of the ring, reducing the diameter of the cylindrical end portion of the container, inserting said end portion so reduced into the ring and subsequently expanding said cylindrical end portion of the container body to bring its outer surface into contact with the adhesive on the inner surface of the ring.

2,084,452
AMUSEMENT GAME APPARATUS
Bruno Radtke, Chicago, Ill., assignor to John F. Meyer, Chicago, Ill.
Original application August 24, 1934, Serial No. 741,203. Divided and this application August 24, 1934, Serial No. 741,204
7 Claims. (Cl. 273—121)



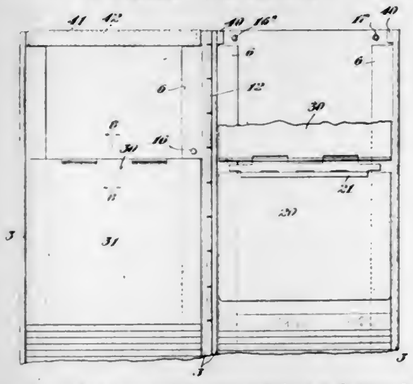
3. A ball retaining device for a game apparatus in which there is provided a play board having a ball exit opening formed therein and said board having a runway upon its surface through which balls are adapted to pass, comprising a stop arm pivotally supported by the board for horizontal movement into and from ball-obstructing position in said runway, latch means for said arm including a head cooperating with the arm and with the weight of one or more balls disposed against said arm to hold said arm in ball-obstructing position, and means including an electromagnetic device actuated by a ball passing throuh said exit opening for actuating said latch means to release said arm for movement from said ball-obstructing position by movement of the balls through said runway.

2,084,453
INDEX FRAME ARRANGEMENT
James H. Rand, North Falmouth, Mass., assignor to Philrand, Inc., North Falmouth, Mass., a corporation of Massachusetts
Application August 22, 1934, Serial No. 740,953
10 Claims. (Cl. 129—34)



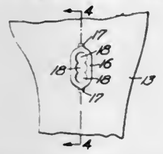
10. An index frame having a sheet metal body portion and having opposite ears at its margins formed by turning extensions of the body portion back substantially parallel thereto, and a flattened tubular element of sheet material having a continuous outer surface with end portions overlying said ears, and having an underlying inner surface with end portions underlying the ears, said tubular element being distortable so that its mid portion may be bowed away from said body portion to permit removal of the element from the ears.

2,084,454
INDEX FRAME ASSEMBLY
James H. Rand, North Falmouth, Mass., assignor to Philrand, Inc., North Falmouth, Mass., a corporation of Massachusetts
Application August 22, 1934, Serial No. 740,954
8 Claims. (Cl. 129—34)



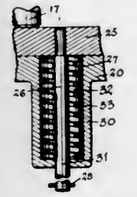
7. An index assembly comprising a frame having a flat body portion and retaining flanges extending along opposite edges of the body portion in spaced relation thereto to cooperate therewith in affording channels, a plurality of index elements having supports received in said channels and sheets extending from the supports and arranged in overlapping relationship, the frame having ears disposed adjacent its lower edge and below the retaining flanges, a supporting element having its ends supported by said ears, and a sheet member having a depending extension disposed between said supporting element and the body portion of the frame, having lateral extensions resting upon said element, and ears disposed within the channels, the upper edge of said sheet member acting as a stop to engage the support of the lowermost index element.

2,084,455
ARCH SUPPORT
David A. Reed, Berkeley, Calif.
Application May 6, 1936, Serial No. 78,230
1 Claim. (Cl. 36—71)



The combination, with the inner sole of a shoe and an arch-supporting pad adapted to be placed thereon, of means for removably securing said pad to said inner sole in different positions, said means comprising a plate having spaced apertures therein secured to said inner sole, said apertures being adapted to receive a fastener element secured to said pad, and the spacing between each of said apertures being less than the diameter of each aperture.

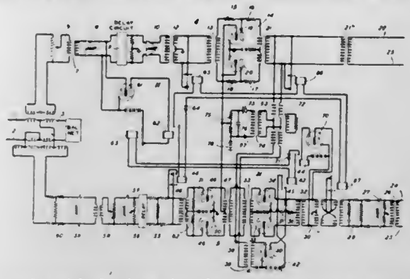
2,084,456
BOLSTER PIN HOLDER
Fredrich J. Rode, Toledo, Ohio
Application January 7, 1935, Serial No. 681
4 Claims. (Cl. 113—46)



1. In a sheet metal press having a follower die, a bolster pin for actuating said die, a pressure pad for actuating said pin, and means for moving said pressure pad, a bolster pin holder comprising a pin pad supported in superimposed relation to the pressure pad and freely movable with respect thereto, a plurality of springs disposed intermediate the pressure pad and the pin pad, and a plurality of pins connected to the pin pad and extending through the pressure pad whereby the pin pad may be guided in its movements relative to the pressure pad.

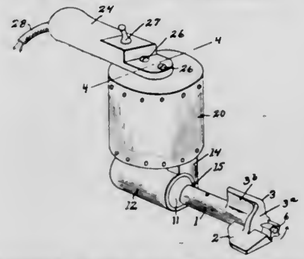
2,084,457
TRANSMISSION SYSTEM
Lionel Schott, East Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 2, 1935, Serial No. 34,455
10 Claims. (Cl. 178—44)

1. In a transmission system, a four-wire section, an impedance in the transmitting line of the four-wire section comprising a space discharge device for variably controlling the signal volume, a space discharge device in the receiving line for variably controlling the signal volume, and one control circuit connected to the transmitting and receiving lines and rectifying a portion of the signals on each of said lines for governing the grid bias impressed on said devices to control the volume



beyond said devices in the transmitting and receiving lines.

2,084,458
PORTABLE PUTTY CUTTING MACHINE
Joseph J. Schutten, Los Angeles, Calif.
Application April 16, 1936, Serial No. 74,798
7 Claims. (Cl. 18—3.5)

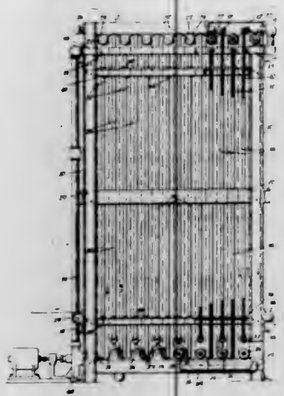


1. In a putty cutting machine, a fitting including two tubular bodies intersecting one another with their axes at right angles, a motor mounted on said fitting and having a shaft carrying a worm projected into one of said tubular bodies, a cutter-carrying unit comprising an elongated rod-like member having a shaft bearing, a cutter shaft journaled in said bearing and passing longitudinally through said rod-like member, said rod-like member projecting into the other of said tubular bodies and secured therein, said cutter shaft having an end projecting into said other tubular body and carrying there a worm wheel to mesh with said worm, the other end of said cutter shaft projecting beyond the free end of said rod-like member, a cutter mounted on said last-named projected end of said cutter shaft, a rear guide or tracker carried by said rod-like member and projecting beyond the free end thereof in position to cooperate with said cutter, and a handle secured to said motor.

2,084,459
CONDITIONING MACHINE FOR ABSORPTIVE SHEET MATERIALS
Robert L. Sjostrom, West Boxford, Mass.
Application March 7, 1936, Serial No. 67,631
7 Claims. (Cl. 38—161)

1. A machine for conditioning long sheet material, comprising guiding means for coursing that material through vertical positions spaced side by side; stationary vertical liquid-carrying sheet elements interspersed between these course positions; and means for supplying the liquid to an upper portion of each said sheet element; the said sheet elements being thin and amply porous for said liquid to pass freely through as a spreading, down-flowing, evaporating sheet of liquid for which a said sheet element constitutes a sup-

port facilitating local supply of liquid from either



side of that sheet element to the other side thereof.

2,084,460
APPARATUS FOR HANDLING BARRELS AND LIKE ARTICLES
Karl F. Snow, Brecksville, Ohio, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio, a corporation of Ohio
Application December 10, 1931, Serial No. 580,126
3 Claims. (Cl. 214—91)

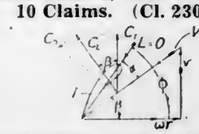


2. In a mechanism for handling freshly painted barrels and the like, in combination, an oscillating cradle having a shaft and rockers mounted thereon engaging the chime rings of a barrel in horizontal position with its axis parallel to said shaft, an up-ender having a shaft and arms so positioned as to receive a barrel discharged from said cradle as it oscillates and support same with its axis parallel to said arms, said arms being fixedly mounted at right angles to said up-ender shaft and carrying projections which engage the chime rings of a barrel resting thereon; intermeshing gears mounted on said shafts whereby they oscillate synchronously; a conveyor positioned to receive barrels discharged from said up-ender; and power means oscillating one of said shafts.

2,084,461
PROCESS OF INDUCING UNIFORMITY OF BLOOMING AND FRUIT PRODUCTION IN FRUITING PLANTS
Daniel Glenn Sorber, El Monte, and Marston Henchman Kimball, Alhambra, Calif., assignors to Henry A. Wallace as Secretary of Agriculture of the United States of America
No Drawing. Application May 14, 1936, Serial No. 79,778
2 Claims. (Cl. 47—58)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

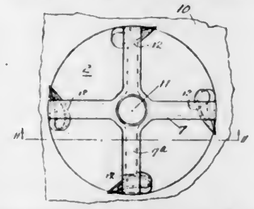
1. The process of inducing uniformity of blooming and fruit production in fruiting plants, which comprises treating the plants with butylene gas.

2,084,462
COMPRESSOR
Edward A. Stalker, Ann Arbor, Mich.
Application June 5, 1933, Serial No. 674,342
10 Claims. (Cl. 230—120)



1. In combination, a rotatable fluidscrew having blades, a casing to encircle the fluidscrew and conduct a fluid flow through the fluidscrew, said casing having an entrance upstream from the fluidscrew to admit fluid and an exit downstream to emit the fluid, and a peripheral slot in the casing side wall to admit a relatively thin jet into the casing substantially tangentially to its inner surface at a locality substantially upstream of the plane of rotation of the trailing edge of said blades, said jet serving to energize the boundary layer on the casing between blade tips to maintain a high value of the blade lift near the tips.

2,084,463
PUMPING MACHINERY
Edward A. Stalker, Ann Arbor, Mich.
Application March 11, 1935, Serial No. 10,408
11 Claims. (Cl. 230—127)

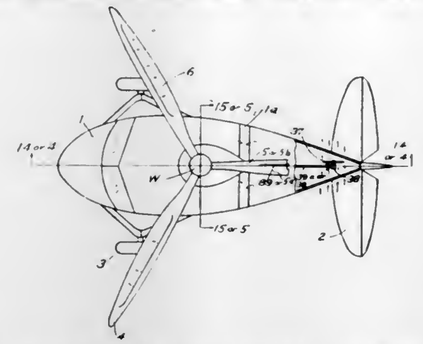


1. In combination a rotatable first blade having a free leading edge directed more along its axis of rotation than transverse thereto, a second rotatable blade having a free leading edge bathed by a fluid flow and directed more along its axis of rotation than transverse thereto, means to rotate the said blades in opposite directions, means of conduction to convey fluid impelled by one said blade to the other said blade both blades serving by the impact of their external surfaces on the fluid to motivate a main flow, said second blade having an opening in its upper surface in communication with its interior, and means to admit the flow induced by said first blade to the interior of the second blade for discharge through its said opening to energize the boundary layer thereon.

2,084,464
AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application October 28, 1935, Serial No. 47,131
6 Claims. (Cl. 244—17)

1. In an aircraft in combination, a body, a direct lift system to sustain the body comprising a plurality of hollow wings rotatable about an upright axis and oscillatable relative thereto, a plurality of said wings having an opening in the wing surface directed rearward and in communication with the wing interior, means of blowing in communication with the wing interiors to induce a rearward blast of fluid through said openings, and substantially independent valvular means for each wing having a said opening to regulate the flow from each wing's respective

opening, said valvular means being governed by the oscillation of same said wing receiving the

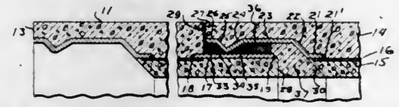


flow through said valvular means, each valvular means being operable substantially independently of the other valvular means.

2,084,465
BATH SALTS
Philip Stoughton, New York, N. Y.
No Drawing. Application May 23, 1934, Serial No. 727,168
8 Claims. (Cl. 167—86)

6. A bath salt including as one of its ingredients a coloring material of the type ordinarily known as chemical indicators, the said material being present in the bath salt in a state that will be changed by contact with an alkaline liquid so as to impart to the liquid a color different from the original color, if any, of the coloring material in bath salt and a second coloring material for imparting a color to the composition itself.

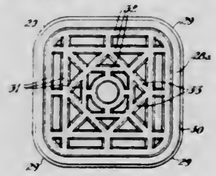
2,084,466
CONCRETE PIPE JOINT
Bozidar J. Ukropina, Los Angeles, Calif.
Application March 16, 1936, Serial No. 69,088
2 Claims. (Cl. 285—112)

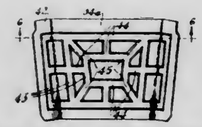


1. In a concrete pipe, a plurality of lengths, each of said lengths including a reinforcement with a bell member at one end of the reinforcement and a spigot member at the other end of the reinforcement with the bell member and spigot member spaced apart sufficiently to receive packing material; the improvement which consists in providing the bell portion of the reinforcement with an inwardly extending rib acting to separate the packing into two sections.

2,084,467
MANUFACTURE OF WASHTUBS
Frank M. Vogan, Canton, Ohio, assignor to The Reeves Manufacturing Company, Dover, Ohio, a corporation of Ohio
Application November 23, 1934, Serial No. 754,455
7 Claims. (Cl. 113—120)

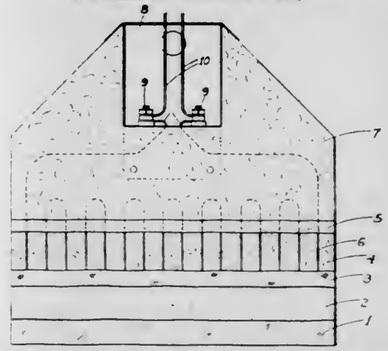
1. In the manufacture of sheet metal containers, the steps comprising forming a sheet metal side wall blank with a relatively flat main portion having substantially straight parallel upper and lower edges and with end portions having upwardly diverging end edges, at least one end portion having its upper edge inclined downward at an angle to the upper edge of the main portion and having its lower edge curved downward from the lower edge of the main portion when positioned in the same plane as said main portion, embossing substantially the entire area of said side wall blank with ribs and bending said end portion transversely of the upper and lower edges of the side wall blank into flaring shape, connecting said side wall blank to at least





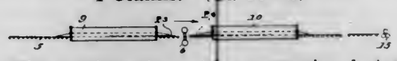
one other identically similar side wall blank to form a flared, peripherally closed body, connecting a bottom closure member to the smaller rim portion of the body to form an upwardly flared container, placing two substantially U-shaped reinforcing wires end to end around the larger rim of the container, curling said larger rim over said wires to form a rim bead, attaching sheet metal handle clips to the side walls at the joints in said wires, and curling said handle clips over said bead to reinforce said joints.

2,084,468
THERMORADIANT HEATING UNIT
Edward F. Wach, Modesto, Calif.
Application October 4, 1935, Serial No. 43,511
2 Claims. (Cl. 219—19)



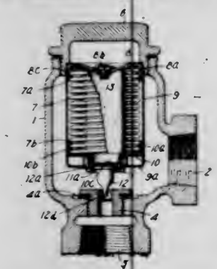
1. A thermo-radiant heating device in panel form comprising a base member of relatively thick and rigid cellular heat insulating material, a heating unit disposed adjacent one face of the member and comprising an insulating envelope and an electric resistance element hermetically sealed therein, an outlet box recessed into the panel at one end, and spaced terminal posts in the box connected to the ends of the resistance element; said ends projecting into the box from between the walls of the envelope.

2,084,469
APPARATUS FOR ROLLING FLAT SHEET-LIKE MATERIAL
Raymond J. Wean, Warren, Ohio, assignor to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio
Application February 20, 1934, Serial No. 712,159
4 Claims. (Cl. 80—2)



1. The combination with a reversing hot strip mill, of a furnace on one side of the mill, means for delivering strip to one end of said furnace for heating prior to entry into the mill, means for conveying the heated strip from the other end of the furnace to the mill, and means on the same side of the mill as the furnace, external thereto, and substantially co-extensive therewith, for receiving strip issuing from the mill and supporting it in substantially flat form.

2,084,470
STEAM TRAP
Herbert James Clement Wells, Jackson Heights, N. Y.
Application September 11, 1934, Serial No. 743,570
8 Claims. (Cl. 236—56)



1. A valve comprising an expansible element of the bellows type with screw thread convolutions, a sheet metal plate having a rim enveloping the outside of one end of said expansible element, said sheet metal plate having a central protruding portion, and an element embracing said protruding portion, the moveable head of the valve being supported between said last named element and said protruding portion.

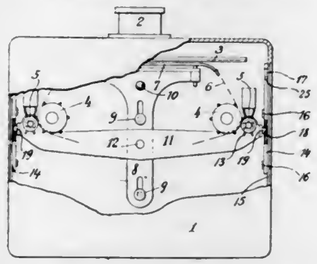
2,084,471
PROCESS OF TREATING LUBRICATING OILS WITH SELECTIVE SOLVENTS
James M. Whiteley, Jr., Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 18, 1933, Serial No. 694,039
4 Claims. (Cl. 196—13)

1. In a solvent extraction of lubricating oil wherein a selective solvent, capable of selectively dissolving non-paraffinic constituents of said oil, is passed into the upper portion of an extracting zone and the oil to be treated is passed into a lower portion of said extracting zone and the undissolved constituents of said oil pass in countercurrent contact with said selective solvent and are withdrawn from the upper end of said extraction zone whereas the selective solvent and oil dissolved therein is withdrawn from the bottom of said extracting zone; the improvement which comprises carrying out the extraction process with a selective solvent having a high miscibility temperature in the presence of a non-selective diluent capable of reducing the miscibility temperature of said oil and solvent, adding a portion of said non-selective diluent to the fresh oil to be treated in an amount less than the amount of oil being treated and adding additional non-selective diluent to the selective solvent introduced into said extraction zones.

2,084,472
LUBRICATING AND INSULATING COMPOUND
Peter J. Wiezevich, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 14, 1934, Serial No. 735,204
12 Claims. (Cl. 87—9)

1. Composition of matter comprising an organic ester of an inorganic acid and not over 1% of an oxidation inhibitor selected from the class consisting of phenols, amino compounds, aromatic sulfur compounds, ethers and thio ethers containing at least on aromatic radical.

2,084,473
CAMERA FILM GUIDING MECHANISM
Helmut Becker, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application November 23, 1935, Serial No. 51,201
In Germany December 21, 1934
6 Claims. (Cl. 88—17)

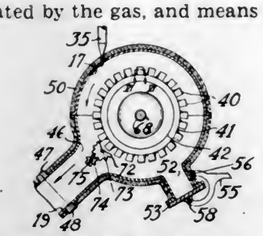


4. In a motion picture camera including a hinged cover, fixed film guiding and conveying members in said camera, movable film guiding devices adapted to cooperate with the said members to guide and convey the film, supporting members for said movable devices for moving the same separately or all together into and out of operative relation with the said fixed members when the cover is opened and mechanism operable from the said cover when the same is opened or closed for automatically moving all of said movable devices into and out of operative relation as aforesaid.

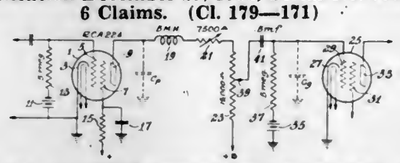
2,084,474
TURBINE STRUCTURE
Ralph D. Booth, Brookline, John R. Coffin, Newton Highlands, and Alexander J. Tigges, Boston, Mass., assignors of one-half to Jackson & Moreland, a partnership, and one-half to Standard Oil Development Company, a corporation of Delaware
Application September 8, 1932, Serial No. 632,140
9 Claims. (Cl. 62—136)

1. A turbine, comprising a casing having an inlet for high pressure gas and an outlet for expanded gas, a rotor within the casing adapted

to be actuated by the gas, and means for removing frozen particles adhering to the inner surfaces of the casing.

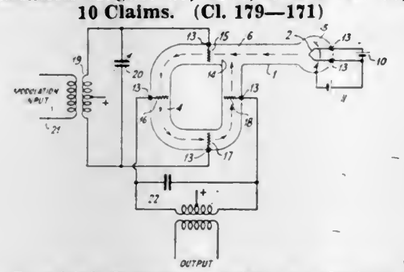


2,084,475
HIGH FREQUENCY AMPLIFIER
Rene A. Braden, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 29, 1934, Serial No. 759,645
6 Claims. (Cl. 179—171)



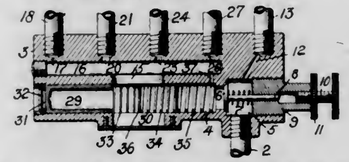
1. An amplifier comprising an electric discharge tube of the screen grid type having an output electrode which has a certain amount of capacity to ground, an output circuit connected to said electrode, said circuit including an inductance coil adjacent to said electrode and a resistor connected in series with said coil between the coil and a source of potential for said electrode, said coil and said capacity being resonant at the high frequency end of the amplifier's frequency range, a second electric discharge tube having an input circuit, means for impressing at least a portion of the voltage drop across said resistor upon said input circuit, and a damping resistor connected in series with said coil and said first resistor whereby said damping resistor is not shunted by the input capacity of said second tube.

2,084,476
ELECTRON DISCHARGE DEVICE AND CIRCUIT
Charles H. Brown, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 29, 1936, Serial No. 98,446
10 Claims. (Cl. 179—171)



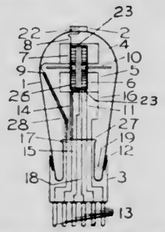
1. In a high frequency system, an electron discharge device comprising a cathode for emitting a stream of electrons, an element for attracting said electrons and enabling same to pass by said element with high velocity, means for subsequently causing said stream of electrons to travel in a curved path so as to cross itself, a grid in said curved path, and a resonant circuit coupled between said element and grid.

2,084,477
DISTRIBUTING VALVE
Bert G. Carlson, Queens Village, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 26, 1933, Serial No. 686,927
8 Claims. (Cl. 137—153)



1. A control valve gear for supplying negative air pressure to the air driven instruments of aircraft from the engine intake comprising a hollow casing having a plurality of outlets adapted to be connected respectively to the engine and to the one or more instruments, a reducing piston valve between the engine intake and the instrument outlets, spring means for biasing said piston against atmospheric pressure on the outer end thereof whereby decrease in the pressure in said casing below a predetermined amount will restrict the opening in said valve, and valve bypass means provided between the engine intake and the instrument outlets whereby a desired vacuum is always supplied to the instruments regardless of engine operating conditions.

2,084,478
ELECTRON DISCHARGE DEVICE
Richard Urann Clark, Waltham, Mass.
Application September 2, 1932, Serial No. 631,461
12 Claims. (Cl. 250—27.5)

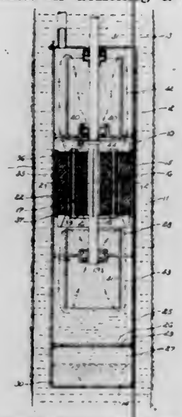


1. A vapor electric tube of the type employing two grids, two plates, and a common electron emitting cathode, an insulating spacer adapted to be mounted intermediate said grids and having an aperture for the reception of said cathode, said aperture being of a size and displacement sufficient to bypass the flow of electrons and ions from one portion of the cathode to the other at such times as the grids prevent simultaneous emission to the plates.

2,084,479
MOTOR CONSTRUCTION
Clarence J. Coberly, Los Angeles, Calif., assignor, by mesne assignments, to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Original application August 1, 1932, Serial No. 627,180. Divided and this application July 14, 1934, Serial No. 735,238
8 Claims. (Cl. 172—36)

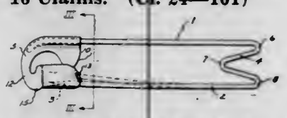
7. In a dynamo-electric machine, a shell containing a dielectric fluid, a stator provided with a rotor bore mounted in said shell, a rotor operatively mounted in the stator bore and cooper-

ating therewith in defining a gap therebetween,



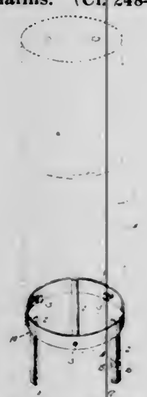
and means located at each end of the gap for retaining dielectric fluid within said gap.

2,084,480
SAFETY PIN
Merton L. Crandall, Jackson, Mich.
Application April 5, 1935, Serial No. 14,872
16 Claims. (Cl. 24—161)



1. A safety pin comprising a body and a sharpened pin, said body and pin being connected by resilient means for urging said body and pin into a predetermined spaced relationship, and a guard carried by said body defining a hollow interior for receiving the sharpened end of the pin in closed position, said guard having on the exterior thereof means arranged for shielding the sharpened end of the pin in all normal open positions.

2,084,481
BOILER STAND
William Zeller Davis, Niles, Ohio
Application October 9, 1934, Serial No. 747,526
2 Claims. (Cl. 248—163)



2. A support for a boiler having a flanged base, comprising a continuous non-extensible ring formed of strap metal, legs formed of angle iron, each leg being secured at one end to said ring, means manipulated within the ring to adjustably position said ring relative to and within said flanged base, one of said legs having means for adjusting the effective length thereof.

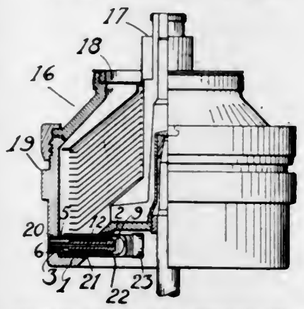
2,084,482
FLUID COMPOSITION
George L. Doelling, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 3, 1934 Serial No. 755,770
7 Claims. (Cl. 252—5)

1. An operating liquid for fluid pressure apparatus, comprising oil substantially inert to rubber and a ketone alcohol having not less than six nor more than eight carbon atoms per molecule, the alcohol being either a primary or a secondary alcohol and the hydroxy group being attached to a carbon atom not adjacent the carbonyl group.

2,084,483
NAPHTHA SOLUBLE SOAP
Theodore R. Donlan, Irvington, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 29, 1932, Serial No. 640,350
6 Claims. (Cl. 87—5)

3. Improved dry-cleaning composition comprising a dry-cleaner's petroleum naphtha containing in solution a soap composition containing about 10 to 30% of potassium oleate, a substantially equal amount of water and an oil soluble alkali metal sulfonate derived from a fuming sulfuric acid treated lubricating fraction of a petroleum oil in an amount not less than 7%, and a major proportion of a heavy hydrocarbon oil.

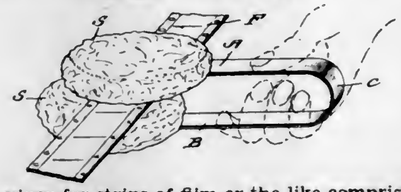
2,084,484
APPARATUS FOR DISCHARGING ACID FROM A CENTRIFUGE
David F. Edwards, Elizabeth, and Arthur M. Wilson, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application November 22, 1935, Serial No. 51,094
3 Claims. (Cl. 233—47)



1. An orifice assembly comprising a tubular nipple exteriorly threaded at one end and having an outwardly facing machined seat interiorly disposed adjacent its other end, an orifice member telescopically associated with said nipple throughout its length and having an inwardly facing machined shoulder adjacent one end adapted to engage the seat within the nipple by

means of an interposed gasket, a casing for the assembly tubular in form, open at one end and closed at the other, adapted to enclose the nipple and orifice member in such manner as to form a passageway between the nipple and the casing, which passageway communicates with the orifice in said orifice member, openings in the side walls of the open end of the casing communicating with said passageway.

2,084,485
FILM WIPER
Lawrence Richard Fink, New York, N. Y., assignor to Fink-Roselieve Company, Inc., New York, N. Y., a corporation of New York
Application July 6, 1936, Serial No. 89,219
1 Claim. (Cl. 15—244)



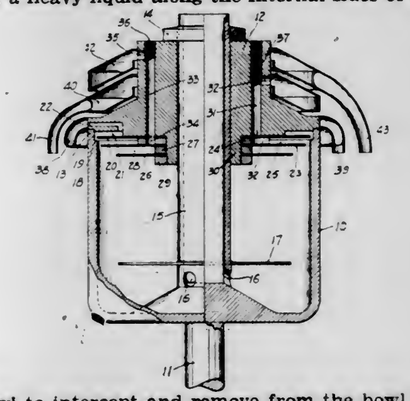
A wiper for strips of film or the like comprising a one-piece holder and a pair of sponges; said holder comprising a thin, flat strip of resilient metal bent medially to form a pair of spring-opposed, normally divergent arms, each arm end having formed at the end thereof a pair of spaced-apart tines, and having mounted thereon a normally flat sponge in such relation thereto that the plane of the sponge is parallel to the plane of the tines, the sponge being of such size and thickness that the tines are entirely embedded within and covered thereby, movement of the arms toward each other bringing the opposed faces of the sponges into substantial parallelism so that both surfaces of the film passing therebetween will be entirely contacted and cleaned by said sponge faces, said spaced-apart tines serving to secure said sponges against displacement from the parallel relationshp to the holder arms.

2,084,486
PREPARATION OF COATING COMPOSITION
Earl D. Flood and John A. Hannum, Cleveland Heights, Ohio, assignors to The Flood Company, a corporation of Ohio
No Drawing. Application January 16, 1932, Serial No. 587,153
4 Claims. (Cl. 134—49)

4. A process of making an improved combined wood filler and stain comprising colloidally thickening, by the precipitation of colloidal silicic acid, a one-half to twenty per cent solution of a 40° Bé. commercial sodium silicate, by the admixture therewith of a mixture of a coloring material adapted for use as the coloring ingredient of a wood stain and a one to five per cent solution of an acid salt of an alkali metal, in such an amount that the pH value of the mixture of silicate solution, coloring material and solution of the acid salt is reduced to a value within the range of pH 13 to pH 7.

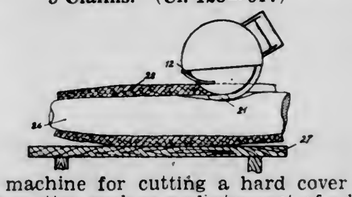
2,084,487
METHOD AND MEANS FOR RECOVERING GOLD
Olaf Haraldson, Minot, N. Dak.
Application May 11, 1935, Serial No. 20,936
5 Claims. (Cl. 209—199)

1. The improved method of seperating precious metals from sand-like mixtures which consists in passing the mixture through a substantially cylindrical rotating bowl, whirling the mixture during its passage through the bowl so as to centrifugally project the metal contents of the mixture toward the sides of the bowl, simultaneously flowing a heavy liquid along the internal sides of the



bowl to intercept and remove from the bowl the metal thus projected from the mixture, and discharging said liquid inwardly from the bowl against centrifugal force so as to develop a back pressure and thereby maintain a layer of said liquid against the sides of the bowl.

2,084,488
CUTTING MACHINE
Herbert J. Heller, New York, N. Y.
Application June 15, 1935, Serial No. 26,769
5 Claims. (Cl. 128—317)

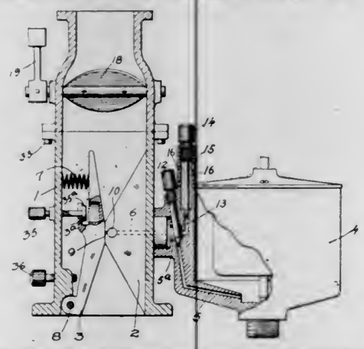


5. A machine for cutting a hard cover of a yielding matter, such as a plaster cast of a bandaged limb, comprising a casing, a power driven shaft journaled in said casing, a cutter blade fixed on said shaft and protruding with its cutting portion from said casing, supporting means for said casing resiliently mounted on said casing and having a bearing portion adapted to bear on the outer surface of a given hard cover of a yielding matter while the machine is being advanced for cutting said cover, a shoe-like member in rigid connection with said casing, protruding beneath the cutting portion of said cutting blade and adapted to slide between said hard cover and said yielding matter, the bearing portion of said supporting means being movable in a backward and upward direction in relation to the advancing machine against the force of said resilient mounting means, and said resilient mounting means being of sufficient strength to substantially counteract the weight resting upon said supporting means.

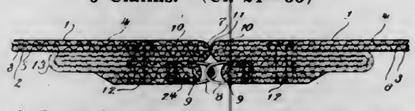
2,084,489
CARBURETOR
Harry Weir Hess, Huntington Park, Calif.
Application September 6, 1933, Serial No. 688,295
13 Claims. (Cl. 261—50)

1. In a carburetor provided with a mixing chamber rectangular in cross section, a Venturi

mechanism comprising a fixed Venturi member and a movable Venturi member yieldingly held in contact with the fixed member, the two members being throughout their length wide enough to reach across the chamber, the contacting surfaces between the members being positioned intermediate the walls of the mixing chamber and in direction of the flow of air through the carburetor, the fixed member being provided with a fuel duct at right angles to said contacting surfaces and discharging through a slit in the surface of the stationary member transversely extending across the entire width of the member, there being behind the said slit a cylindrical bore for distributing fuel from the said duct evenly throughout the length of the said slit.



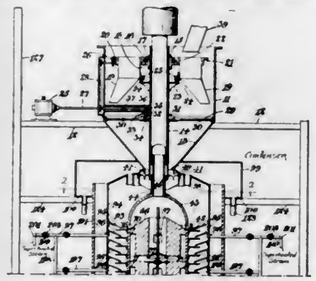
2,084,490
DRIER FELT
James E. Hooper, Ruxton, Md., assignor to William E. Hooper and Sons Company, Woodberry, Md., a corporation of Maryland
Application January 16, 1937, Serial No. 120,958
6 Claims. (Cl. 24—33)



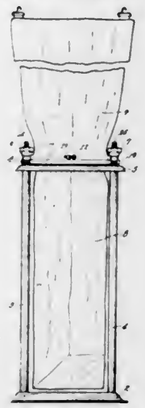
1. A dryer felt or apron having a joint comprising two integral end portions of the material composing the felt attached to which end portions are detachable means for joining the ends of the drier felt to close said joint, an integrally woven portion of the felt material on each side of said joint and adjacent each of said ends being folded upon itself and fastening means securing said folds to said end portions the bends of the folds on each side of the joint being in closely abutted relation substantially in the supporting surface of the felt closing the supporting surface of the felt when the joint is closed by the said detachable means.

2,084,491
DISTILLATION OF CARBONACEOUS MATERIAL
Hastings John Holford, Southampton, England
Application December 26, 1934, Serial No. 759,254
In Great Britain January 5, 1934
2 Claims. (Cl. 202—104)

2. A retort for the distillation of carbonaceous material, comprising two concentric cylinders having an annular distillation space between them, the outer cylinder being fixed and the inner mounted for rotation about an upright axis, a plurality of perforated annular shelves carried by the inner cylinder in said distillation space, means for continuously supplying solid material to be distilled downwards in a thin stream over said shelves, means for heating the interior of the inner cylinder, steam-supply means for supplying superheated steam to the distillation space comprising a plurality of separately regulatable steam-inlet nozzles arranged spaced apart one from another at various heights on the fixed cylinder, a plurality of bodies of heat-resisting material of considerable heat-absorbing capacity arranged in the inner cylinder in contact therewith at a plurality of situations spaced apart in the direction of its length, take-off means for conveying vaporized and gaseous distillation products from the said distillation space, and means for discharging residues from the retort at its lower end.

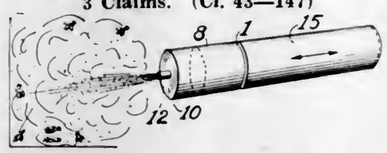


2,084,492
BAG CLEANING OR EMPTYING DEVICE
Orrie E. Houser, Park Ridge, Ill., assignor of one-third to August Raymond Rochte, Park Ridge, Ill.
Application September 14, 1936, Serial No. 100,646
5 Claims. (Cl. 248—97)



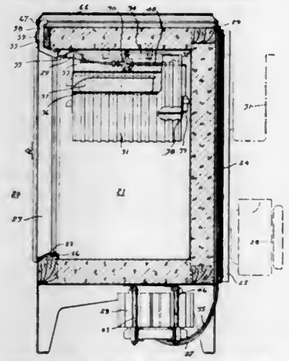
1. A cleaning device for the dust bag of a vacuum cleaner, comprising a base, a top member supported above said base with a space between, said member having a central opening adapted to have inserted therein the top of a paper bag positioned in the space between the base and said top member, said top member having a portion of its surface over which the top of said bag may be folded conforming to the shape and dimensions of the attachment ring of a vacuum cleaner bag, and means for clamping such attachment ring to the surface of said top member with the top of the paper bag between, thereby effecting a dust tight connection between the dust bag and paper bag.

2,084,493
CONTAINER-DUSTER FOR INSECTICIDE POWDER
Edward B. Hunn, Cranford, N. J., assignor to Stanco Inc.
Application March 1, 1935, Serial No. 8,794
3 Claims. (Cl. 43—147)



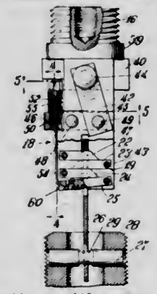
1. In an apparatus for storing and spraying powdered material, the combination of a fibrous cylindrical container for powdered material, an outer telescoping cover member having a sliding fit over the cylindrical container and adapted to be reciprocated thereover, the cylindrical container being provided on one end with a closure having a narrow constricted outlet, and the other end of the cylindrical container having a closure with a narrow constricted inlet, a flexible tube mounted in the inlet, said tube being weighted to maintain the inner end thereof in the lowest portion of the container and slitted to allow air to pass into the cylindrical container through the powdered material therein, and a closure on one end of the outer telescoping cover member with air inlets adapted to pass air into the outer telescoping cover member, the walls of the cylindrical container and the outer telescoping cover member being adapted to serve as an air seal.

2,084,494
REFRIGERATING APPARATUS
Harry B. Hull, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application November 26, 1932, Serial No. 644,477
16 Claims. (Cl. 62—116)



1. Refrigerating apparatus including a cabinet having an insulated food compartment therein, a refrigerating system for cooling the food compartment including an evaporating means within the food compartment and a refrigerant liquefying means located outside the food compartment, said liquefying means including a refrigerant compressor located beneath the food compartment, said food compartment having a door opening and a door therefor, refrigerant conduit means extending from the evaporating means to the door opening and from the door opening up over the front wall of the cabinet, rearwardly over the top of the food compartment and down the back of the food compartment to the compressor, and ornamental covering means extending over the exposed portions of the refrigerant conduit means for concealing the conduit means.

2,084,495
FUSE
Sigurd I. Lindell, Chicago, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application November 6, 1935, Serial No. 48,551
22 Claims. (Cl. 200—123)



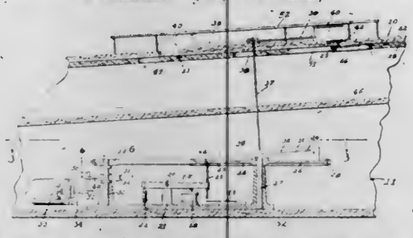
4. In combination with separable terminals, a fusible link connected between said terminals and comprising a part which is adapted to be severed, means acting upon one of said terminals for tensioning said part of the link, another part of said link surrounding said first part and being independently heated by the current flowing through said link, said latter part serving as a radiation shield for said first part, whereby heat generated by said first part is radiated less freely than is heat generated by said second part, the part of the link which is tensioned having a melting point at a temperature above red heat and being adapted to be severed by flow of current therethrough above a certain minimum value.

2,084,496
BELLOWS
Henry Cooper Lockwood, Brooklyn, N. Y.
Application July 21, 1934, Serial No. 736,396
7 Claims. (Cl. 137—156.5)



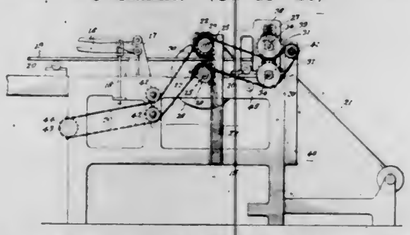
1. Bellows comprising a plurality of flat, apertured, metallic discs concentrically disposed, alternate plates having a greater inside diameter than the other plates, each of said alternate plates being united to the adjacent plates disposed at one side, adjacent its outer periphery, and united to the adjacent plates disposed on the other side, adjacent its inner periphery, whereby the inner peripheral portions of said other plates are caused to act as reinforcements for the bellows.

2,084,497
GAME APPARATUS
Frank K. Maitland, Hermosa Beach, Calif., assignor to Fred C. McClellan, Chicago, Ill.
Application March 14, 1935, Serial No. 11,084
6 Claims. (Cl. 273—121)



1. In a game apparatus, the combination of: a cabinet including a member providing a ball-playing surface provided with a ball seat; a member movably mounted in said cabinet and having a bifurcated portion normally positioned to engage a ball in said seat, said member being movable over said playing surface for moving balls one at a time from said ball seat over said playing surface; and means including a device actuated by a spent or played ball for operating said second-named member.

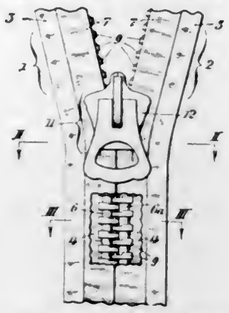
2,084,498
BAG TURNING MACHINE
Jacob John Neuman, South Salem, and Gerald R. Greene, Jackson Heights, N. Y.
Application July 24, 1935, Serial No. 32,830
6 Claims. (Cl. 15—40)



1. In a bag turning machine, a frame, a pair of arms on the frame for supporting a bag in turned position and adapted to be advanced into the frame, a pair of rotary brushes mounted on the frame in the path of the arms and having brushing surfaces for engagement with the bag on the arms, a pair of rolls mounted on the frame beyond the brushes for receiving the arms and the bag therebetween and having yieldable surface portions adapted to engage the bag and strip the same from the arms, yieldable means for mounting one of said feed rolls for movement toward or away from the other feed roll, said brushes and rolls having sprockets at one side of the machine, and an endless drive chain having their upper and lower runs engaging respectively over and beneath the sprockets of the brushes and rolls for driving the rolls to advance the bag and the brushes in an opposite direction to oppose the advance of the bag.

2,084,499
SLIDE FASTENER
Victor Newman, Philadelphia, Pa.
Application January 26, 1935, Serial No. 3,554
6 Claims. (Cl. 24—205)

4. A fabric tape for slide fasteners integrally woven with a central tongue having an edge bead for anchorage of the metallic lugs of the fastener, and with flanking plain cover wings for the lugs



extending to different extents beyond the beaded edge of the tongue respectively at opposite sides of the tape.

2,084,500
PRODUCTION OF SOLID GREASES
Michael Otto and Martin Mueller-Cunradi, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 6, 1933, Serial No. 650,498. In Germany November 3, 1931
8 Claims. (Cl. 87—9)

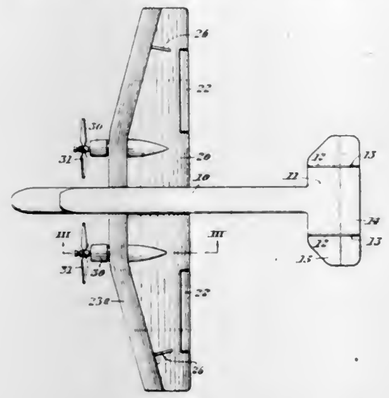
1. A lubricating soap grease having incorporated therewith an addition of a hydrocarbon product having a high molecular weight above 800 which is selected from the group consisting of polymerization products of unsaturated hydrocarbons capable of forming polymeric homologous series and the products obtainable from said polymerization products by hydrogenation, by isomerization, and by isomerization and hydrogenation, and which is not decomposed when heated to 200° C. for 5 minutes.

2,084,501
VALUABLE HYDROCARBON PRODUCTS
Michael Otto and Martin Mueller-Cunradi, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Original application July 21, 1932, Serial No. 623,812. Divided and this application June 20, 1933, Serial No. 676,680. In Germany July 25, 1931
10 Claims. (Cl. 196—151)

1. A composition of matter comprising an unpolymerized hydrocarbon product boiling above 200° C. and an iso-olefinic hydrocarbon polymer having a molecular weight of at least 1000 in a viscosity improving amount.

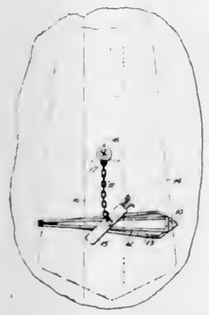
2,084,502
AIRPLANE CONSTRUCTION
Thomas W. Rieder, Pittsburgh, Pa.
Application April 24, 1936, Serial No. 76,161
2 Claims. (Cl. 244—45)

1. In an airplane construction having a fuselage, a main wing extending on opposite sides of the fuselage, a plurality of motor nacelles mounted on said main wing at spaced positions thereon, propellers operatively positioned forwardly of said nacelles for driving the airplane, at least one auxiliary wing plane mounted above said main plane and spaced therefrom, said auxiliary plane having a chord width of substantially a quarter of the chord width of said main plane such that a substantially normal airstream hump will form on an upper surface of said main wing plane, the spacing between said auxiliary and main planes being such that the auxiliary plane



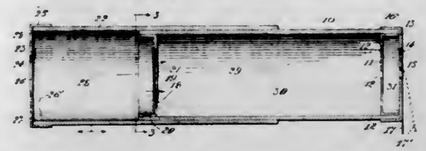
will have a height such that its top surface will be below a horizontal plane taken along the upper limit of travel of the tips of said propellers, the arrangement being such that said main wing plane will handle the airstreams in the usual manner of a monoplane.

2,084,503
TIE HOLDER
James F. Rogers, Bay Village, Ohio
Application December 28, 1935, Serial No. 56,504
3 Claims. (Cl. 24—49)



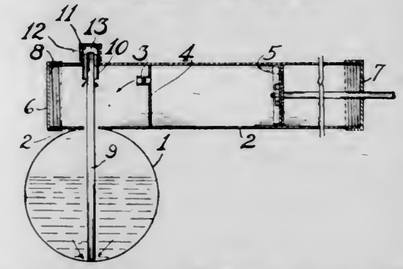
1. A necktie holder comprising a clip having front and back bar portions of substantial length to extend substantially entirely across the tie and having resilient means connecting said bar portions and urging them toward each other whereby they are adapted to grip the tie therebetween to render the clip self-supporting on the tie, and a flexible member affording limited freedom of movement between the clip and shirt-front, one end of the flexible member being connected to the rear bar of the clip and the other end of the flexible member having means thereon for detachable connection with the shirt-front, said flexible member extending from said back bar portion rearwardly toward the shirt-front such that the flexible member is concealed by the tie when the holder is in use.

2,084,504
DISCHARGE ELEMENTS IN POWDER GUN
William H. Rose, Jersey City, N. J., assignor to Stanco Incorporated, a corporation of Delaware
Application March 8, 1935, Serial No. 10,043
2 Claims. (Cl. 43—147)



1. A powder dispensing container having an air pressure means telescopically associated therewith comprising a hollow tubular body portion, a lateral, outwardly flanged partition within said body portion and adjacent one end dividing said body portion into a powder containing chamber and a mixing and dispensing chamber, said partition having perforations therein and a perforate friction fitted cover for the container abutting at its inner side against the ends of the body portion and the partition flange.

2,084,505
SPRAY GUN WITH REMOVABLE DISCHARGE TUBE
William H. Rose, Jersey City, N. J., assignor to Stanco Incorporated, a corporation of Delaware
Application October 16, 1935, Serial No. 45,276
6 Claims. (Cl. 299—89)



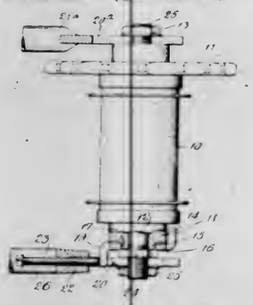
1. A spray gun including a pump barrel, a reservoir carried thereby and a discharge assembly comprising an annular sleeve secured in an opening in a side wall of the pump barrel, a discharge tube freely positioned therein and removable through the sleeve, said tube extending through the barrel and continuing into closely spaced relation to the bottom of the reservoir, and a removable cap for the sleeve free of said tube and forming with said sleeve a chamber surrounding the tube end, said cap having a discharge port communicating with the chamber.

2,084,506
PROCESS FOR PREPARING IMPROVED DETERGENTS AND WETTING AGENTS FROM PETROLEUM OILS AND PRODUCTS THEREOF
Raphael Rosen, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 9, 1934, Serial No. 752,313
8 Claims. (Cl. 260—159)

5. Process for preparing improved wetting agents and detergents comprising treating an un-

cracked lubricating oil fraction of petroleum with fuming sulphuric acid at a temperature below about 32° F. in the absence of sulphur dioxide and neutralizing the resulting sulphuric derivatives to form soaps.

2,084,507
COASTER BRAKE
Alexander Scaison, New York, N. Y.
Application March 19, 1936, Serial No. 69,632
5 Claims. (Cl. 192—6)



1. The combination with a coaster brake for vehicles of the character described, of means for coupling the cylinder of the brake with the vehicle frame to prevent rotation in said frame, said means comprising a disk-shaped member, means on said member and said cylinder for coupling the same together, said member having a part engaging the frame in close proximity to said cylinder to prevent rotation of the cylinder with respect to said frame, the part on said member projecting angularly from one side surface thereof, and another similar projecting part projecting in the direction of the opposite side face of said member.

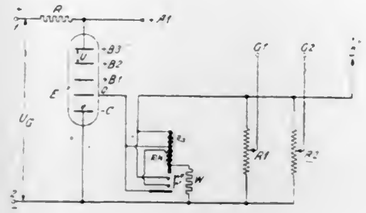
2,084,508
BRAKE HOLDING RING
Alexander Scaison, New York, N. Y.
Application July 16, 1936, Serial No. 90,881
3 Claims. (Cl. 192—6)



1. A coupling member for coaster brakes of wheeled vehicles comprising a ring having centrally thereof an aperture of irregular contour, one side face of said ring having projecting keying means, and said side face of the ring having above and below said first named means other projecting coupling elements arranged within the peripheral edges of said ring.

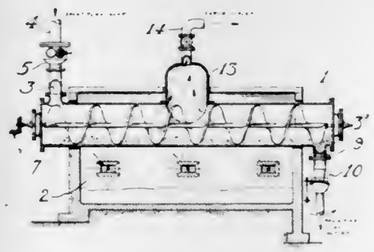
2,084,509
VOLTAGE-CONTROLLING ARRANGEMENT
Rudolf Seidelbach, Berlin-Mariendorf, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application June 11, 1935, Serial No. 26,017
In Germany June 13, 1934
4 Claims. (Cl. 171—229)

1. In a voltage-controlling arrangement, adapted to be inserted between a source of current and a device to be fed from this source of current, comprising a non-ohmic conductor, means for connecting said non-ohmic conductor across said current source thereby to render said non-ohmic conductor active, an auxiliary current path, and means for connecting said auxiliary



path in parallel with at least a part of said non-ohmic conductor after said non-ohmic conductor has become active under the influence of said current source.

2,084,510
PROCESS FOR DECOLORIZING AND IMPARTING BLOOM TO LUBRICATING OILS
Jere C. Showalter, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 29, 1934, Serial No. 759,669
2 Claims. (Cl. 196—1)



1. A process for improving the Robinson color of a petroleum lubricating oil and imparting a green bloom thereto, which comprises contacting said oil with a clay which has been prepared by subjecting a spent clay which has been used for removing coloring material from oil and which contains adsorbed coloring material and free oil to cracking conditions for a length of time up to and not substantially exceeding the point at which the clay assumes a distinct green color.

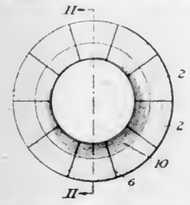
2,084,511
HYDROGEN PRODUCTION CATALYSTS
James K. Small, Hudson View Gardens, N. Y., assignor to Standard-I. G. Company
No Drawing. Application September 2, 1933, Serial No. 688,029
6 Claims. (Cl. 23—212)

1. A process for producing hydrogen comprising passing a normally gaseous hydrocarbon and steam at a reaction temperature over a catalyst containing from 5 to 50% by weight of nickel and from 20 to 75% by weight of a phosphate of magnesium, the amount of said phosphate being at least equal in weight to the amount of nickel.

2,084,512
LUBRICATING OIL
Charles C. Swoope, Bayonne, and Martin M. Sadlon, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 22, 1932, Serial No. 648,445
12 Claims. (Cl. 196—151)

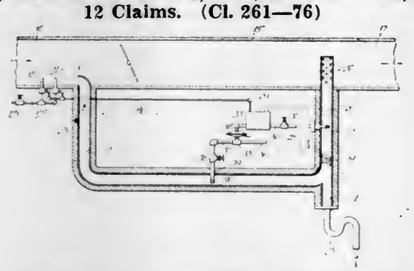
1. A low pour point lubricant, comprising a blend of two petroleum lubricating oils having average molecular weights differing by at least 150 and a pour inhibitor.

2,084,513
ABRASIVE ARTICLE
Frank J. Tone, Niagara Falls, N. Y., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Continuation of application Serial No. 252,468, February 7, 1928. This application September 26, 1930, Serial No. 484,545. Renewed October 10, 1934
8 Claims. (Cl. 51—207)



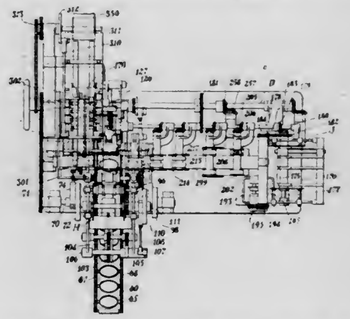
4. An abrasive wheel, comprising a plurality of preformed shapes of bonded abrasive material and having cementitious joints between the abrasive shapes composed of a hard rubber binder together with a finely divided inert filler having a thermal expansion lower than that of the hard rubber.

2,084,514
HUMIDITY CONTROL SYSTEM
Loren W. Tuttle, Arlington Heights, and George W. Warrick, Harvey, Ill.
Application November 8, 1933, Serial No. 697,224
12 Claims. (Cl. 261—76)



1. The method of controlling the humidity of a gas stream flowing in a conduit which comprises completely saturating a bypassed portion of said gas stream at a controlled temperature to quantitatively control the amount of moisture added to said portion of said stream, proportioning the volume of the bypassed stream so saturated at the controlled temperature whereby its admixture with the main stream will produce the desired resultant humidity in the combined streams, and introducing said saturated portion of said stream at said temperature into said main stream.

2,084,515
MACHINE FOR WRAPPING AND BOXING ARTICLES
John Van Buren, Brooklyn, N. Y.
Application March 27, 1933, Serial No. 663,076
25 Claims. (Cl. 93—3)

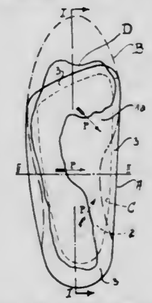


1. A machine for wrapping and boxing articles comprising means for feeding the articles, means for feeding wrappers into the path of movement of the articles, means for folding the wrappers around the articles, means for feeding carton blanks, means for folding the blanks, means for feeding the folded blanks over the wrapped articles, and means for closing the folded cartons around the wrapped articles.

2,084,516
PROCESS OF MANUFACTURING TEXTILE ARTICLES
Julien Van Puymbroeck, Brussels, Belgium
No Drawing. Application March 9, 1935, Serial No. 10,150
5 Claims. (Cl. 19—66)

1. A process of spinning a material containing secreted fibres consisting in oiling the material by means of a product containing a decoction of malvaceous plants and spinning such oiled mass of material according to convenient methods.

2,084,517
PNEUMATIC INSERT FOR SHOES
Hans Vogel, Frankfort-on-the-Main, Germany
Application December 24, 1935, Serial No. 56,029
In Germany February 19, 1935
10 Claims. (Cl. 36—71)



1. A pneumatic shoe insert of the low-pressure type comprising a rubber bag constituted of an upper layer and a lower layer each having substantially the shape of a vertical projection of the foot and providing a continuous fluid-containing chamber extending substantially under the whole heel portion, substantially under the whole ball

portion, and under the outer edge, of the foot, the layers being integrally connected together along their edges to form a solid marginal zone that extends throughout the whole periphery of the insert, the pressure of the fluid in the chamber being normally so low that the rubber bag is substantially flat when uncompressed so as to exert substantially no pressure upon the foot when at rest, the volume of the fluid in the chamber being when compressed substantially the same as the space under the arch of the foot, and the shape and the dimensions of the insert being such, and the marginal zone being of such width, that, under the pressure of the foot, bearing at the heel portion, the ball portion and the outer edge, of the foot, all the fluid in the chamber becomes displaced into a single fluid cushion in the said space under the arch of the foot, thereby preventing the formation of fluid cushions elsewhere than in the said space under the arch of the foot, whereby the said single fluid cushion exerts pressure in an upward direction only towards the arch of the foot.

2,084,518
PERFORATOR FOR PRINTING PRESSES
Albert E. Unruh, Seattle, Wash., assignor of one-half to Alexander MacDonald, Seattle, Wash.
Application May 18, 1935, Serial No. 22,141
4 Claims. (Cl. 101—408)

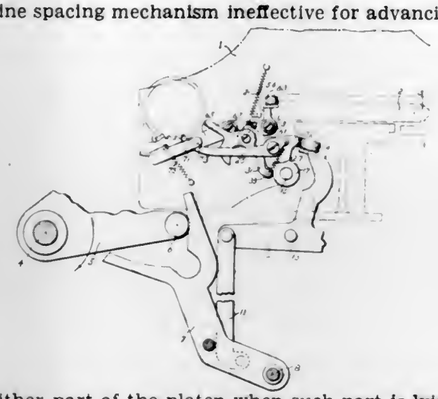


1. A gripper for a platen printing press comprising spaced parallel strips, and means for interconnecting said strips at intervals in fixed spaced relation along a common edge.

4. In combination with the centrally apertured and slotted rocking gripper bar of a platen printing press, of a gripper, and means on said gripper co-operating with the central aperture and slots of said bar for effecting attachment of the gripper to the latter at any selected point thereon.

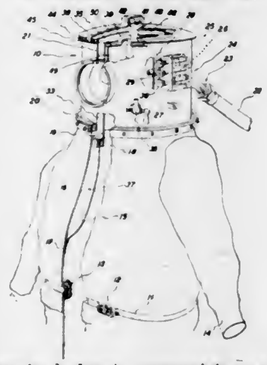
2,084,519
PAPER FEEDING MECHANISM FOR ACCOUNTING MACHINES
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application July 23, 1936, Serial No. 92,163
6 Claims. (Cl. 197—129)

3. In a machine of the class described, a laterally movable paper carriage, a two part platen thereon, printing type, a line spacing mechanism associated with both parts of the platen, and carriage controlled means to render operation of the line spacing mechanism ineffective for advancing



either part of the platen when such part is lying beyond the type.

2,084,520
DIVING DRESS
Ernest Reginald Clifford, Five Dock, near Sydney, Australia, assignor to The Austral Submarine Inventions Limited, Sydney, New South Wales, Australia, a company of New South Wales
Application September 17, 1934, Serial No. 744,453
In Australia October 7, 1933
5 Claims. (Cl. 61—70)

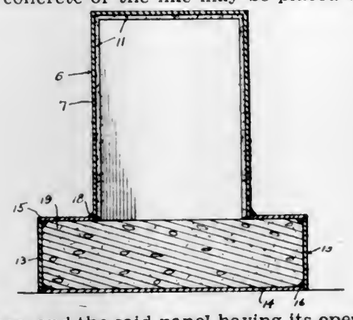


1. A diver's helmet, comprising a casing or helmet portion, an air hose leading to said helmet, a manifold on said helmet to which said air hose leads, a double wall in said helmet, means leading the air from said manifold past the face of the user of the helmet, means then leading the exhaust air downwardly, rearwardly and then upwardly in the helmet, and means for discharging the air from the top of the helmet.

2,084,521
MONUMENT
Horace B. Compton, Scotia, N. Y.
Application July 6, 1936, Serial No. 89,203
1 Claim. (Cl. 189—21.2)

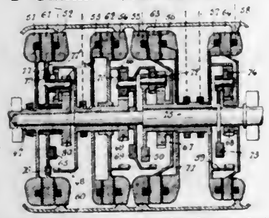
A monument or tomb marker comprising a base having a bottom, side and end walls, and a top wall, all of said walls being formed of rust resisting metal and welded at the joints to provide a hollow shell-like structure, and a panel adapted to be mounted on and supported by said base and comprising a front wall, a rear wall, side walls, and a top wall, all of said walls being

formed of rust resisting metal and welded together at the joints to provide a hollow shell-like structure open at its bottom, the top of said base being provided with an opening through which concrete or the like may be placed within



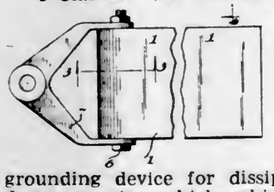
said base, and the said panel having its open bottom end inserted through and snugly fitting the opening in the top of the base and resting on the concrete with a weld joint at the juncture of the base and the panel.

2,084,522
CLUTCHING AND SPEED-CHANGING GEAR
Jean Cotal, Paris, France
Application August 13, 1935, Serial No. 36,029
In Great Britain September 21, 1934
1 Claim. (Cl. 74—270)



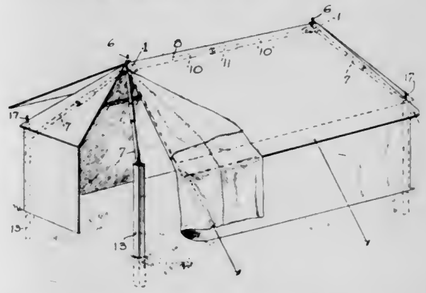
In combination a driving shaft, a driven shaft, two concentrically disposed gears respectively secured to said driving shaft and to said driven shaft, a pinion carrier loosely mounted on one of said shafts, planetary pinions rotatably mounted on said carrier and adapted to mesh with said gears, a fixed electromagnet, a rotatable electromagnet secured to said driving shaft, an armature splined on said pinion carrier and adapted to be selectively attracted by said electromagnets, and flat springs secured to said carrier on either side of said armature and adapted to urge said armature in an intermediate position between said electromagnets and out of contact with said electromagnets.

2,084,523
ABRASION RESISTANT GROUNDING DEVICE
Harry J. Crawford, Venice, Calif.
Application December 14, 1935, Serial No. 54,521
8 Claims. (Cl. 175—264)



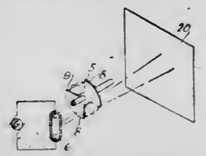
1. A grounding device for dissipating static charges from a moving vehicle, which comprises: an elongated flexible body element formed of non-metallic material of high abrasion resistant characteristics and provided with electrically conductive material incorporated therein, said electrically conductive material being so placed and being present in such amount in said element as to provide for electrical conduction therethrough in the direction of the length of said element; and electrically conducting attachment means at one end of said element for electrically and structurally securing the same to a vehicle, said body element being mounted on such vehicle through the agency of said attachment means in such manner that the other end of said body element will engage the ground surface over which such vehicle is moving.

2,084,524
TENT FRAME CONSTRUCTION
Edgar Stanley Eide, Los Angeles, Calif.
Application August 11, 1936, Serial No. 95,451
6 Claims. (Cl. 135—3)



6. In a tent structure, a head piece formed with an upwardly extended spike, and extensions having holes for supporting the ends of connecting struts and a ridge pole, and a vertical extension provided with a vertical hole therein adapted to receive the end of a temporary raising pole for lifting and temporarily supporting the head piece and the tent attached thereto while other connecting members are secured in position.

2,084,525
SHUTTER FOR PICTURE RECORDING OR REPRODUCING APPARATUS
Willem Elenbaas, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application March 15, 1935, Serial No. 11,365
In Germany December 3, 1934
4 Claims. (Cl. 88—19.3)



1. In a device for intermittently illuminating motion picture films, in combination, a light source emitting periodically-varying light of a frequency other than a multiple of the picture frequency, and a rotary shutter rotating with a frequency equal to a multiple of the picture frequency and having a transparent segment, the

angle of said segment being equal to the product of an integer times the picture frequency times 360° divided by twice the frequency of the emitted light.

2,084,526

LUMINOUS PLASTIC SUBSTANCE AND ITS METHOD OF MANUFACTURE

Joseph Pierre Grenier, Paris, France, assignor to Société Francaise Helita, Paris, France, a corporation of France

No Drawing. Application May 25, 1936, Serial No. 81,784. In France May 27, 1935

3 Claims. (Cl. 106—22)

1. In the manufacture of a transparent formaldehyde-urea base mass, in which the product of the condensation of formaldehyde with urea is acidified by means of an anhydride mixed with an alcohol, and then de-alcoholized by boiling under vacuum, and poured into a mould, the step which consists in adding the luminescent substance in the form of a fine grain powder after condensation and at the latest during the boiling, in order that the boiling distribute the powder throughout the whole mass.

2,084,527

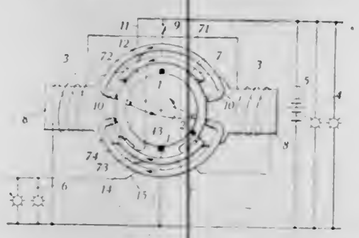
DYNAMO AND DYNAMO INSTALLATION

André Vincent Ernest Cyrille Guilbert, Paris, France

Application September 21, 1933, Serial No. 690,402

In France September 24, 1932

3 Claims. (Cl. 171—313)



1. In combination, a dynamo equipped with a pair of main brushes and a third brush, and having pole pieces excited by windings shunted across one of said main brushes and said third brush, a first consuming circuit fed by said main brushes and containing a source of voltage, a second consuming circuit in parallel with the first but containing no source of voltage, and means for neutralizing that portion of the armature re-action which is due to the current flowing in said second consuming circuit, said means comprising a compensating winding connected in series with said second circuit and disposed in slots on the faces of said pole pieces at least in the region of the leading pole tips.

2,084,528

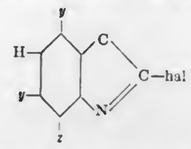
PROCESS FOR THE MANUFACTURE OF ISATIN-α-HALIDES HALOGENATED IN THE NUCLEUS

Eduard Kambli, Basel, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application March 26, 1934, Serial No. 717,535. In Switzerland April 8, 1933

5 Claims. (Cl. 260—47)

1. A process for the production of nuclear-halogenated isatin-α-halides comprising first producing an isatin-α-halide of the general formula



wherein at least one *y* is a member of the group of substituents consisting of methyl, alkoxy and alkylmercapto, wherein the alkyl radical belongs to the lower aliphatic series, and *z* is a member of the group of substituents consisting of halogen, alkoxy and alkylmercapto, wherein the alkyl radical belongs to the lower aliphatic series, by subjecting the correspondingly-substituted isatin to the action of a halogenating agent whereby the said isatin-α-halide is formed, and then subjecting the resultant material to the action of a second halogenating agent to effect nuclear halogenation.

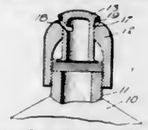
2,084,529

CONTAINER CAP

Joseph N. Landau, New York, N. Y.

Application June 16, 1933, Serial No. 676,151

11 Claims. (Cl. 221—60)



1. As a new article of manufacture, a closure for a container comprising, a cap having a central passage, a tubular cap member reciprocably mounted in the passage, said tubular member having a side opening directed outwardly and obliquely to the sides of said member and adjacent to the top thereof, whereby fluid may be dispensed in an endwise direction from said closure cap, and means for attaching the cap to the container.

2,084,530

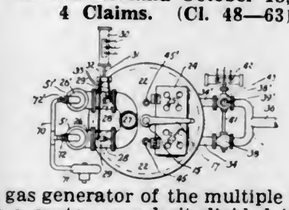
GAS PRODUCER

Robert Stewart Lange, Invercargill, New Zealand

Application September 13, 1935, Serial No. 40,499

In New Zealand October 18, 1934

4 Claims. (Cl. 48—63)



1. A gas generator of the multiple furnace type having a grate, an ashpit divided into separate compartments, an induction pipe leading from the ashpit compartments of each furnace, induction means connected to each induction pipe, gas control valves in each induction pipe, means for mechanically operating the said valves in cooperative sequence with one another for alternate induction and non-induction effect on each furnace, air supply means adapted to deliver air directly into the body of the fuel at the lower part of the furnace, a gas pump connected to said air supply means, valve means adapted to alternately connect the air supply means with the atmosphere and the gas pump, means for synchronizing the movements of the gas control valves and the air control valves to give a coordinated result, and means for supplying steam to the body of fuel in said generator.

2,084,531

STEAM CYLINDER OIL AND PROCESS OF PREPARING THE SAME

Arthur Lazar, Associated, and Joseph V. Crenna, Concord, Calif., assignors to Associated Oil Company, San Francisco, Calif., a corporation of California

No Drawing. Application October 31, 1930, Serial No. 492,615. Renewed February 25, 1936

12 Claims. (Cl. 87—9)

1. A process of preparing a steam cylinder oil which comprises: mixing a hydrocarbon lubricating oil and its normally contained organic acids with sufficient alkaline earth metal oxide to cause emulsification of the mixture when subjected to the action of direct steam but without liberation of free fatty acids or formation of ash at the temperature of emulsification; the amount of oxide being not more than 0.1% of the oil.

2,084,532

PROCESS OF PREPARING STEAM CYLINDER OIL

Arthur Lazar, Associated, and Joseph V. Crenna, Concord, Calif., assignors to Associated Oil Company, San Francisco, Calif., a corporation of California

No Drawing. Application May 29, 1936, Serial No. 82,548

8 Claims. (Cl. 87—9)

1. A process of preparing an emulsifiable oil suitable for use in the cylinders of steam engines which comprises: adding from 0.01% to 0.1% of an alkaline earth metal soap of an organic acid normally present in petroleum to a hydrocarbon lubricating oil having a viscosity suitable for use as a steam cylinder oil; said oil being substantially free from organic acids.

2,084,533

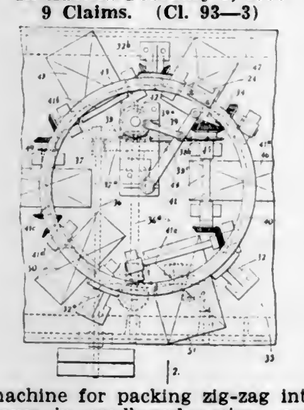
MACHINE FOR PACKING ZIGZAG INTERFOLDED PAPER LEAVES IN CARDBOARD COVERS

Friedrich Lerner, Vienna, Austria

Application June 2, 1936, Serial No. 83,148

In Austria February 5, 1936

9 Claims. (Cl. 93—3)



1. A machine for packing zig-zag interfolded paper leaves in cardboard cartons comprising an intermittently moving conveyor, a series of carton holding devices arranged at spaced intervals upon said conveyor, means for feeding carton blanks to said holders, means for shaping the blanks to carton form adapted to receive packs of paper leaves, means for folding the blanks about packs of interfolded papers inserted therein and means for tucking supplementary side flaps into pockets formed in the course of folding the carton to thereby secure the packet in a closed condition without need for adhesive.

2,084,534

ABRASIVE ARTICLE

Harry C. Martin, Niagara Falls, N. Y., and Frederick A. Upper, Niagara Falls, Ontario, Canada, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

No Drawing. Application September 28, 1933, Serial No. 691,414

4 Claims. (Cl. 51—278)

1. The method of manufacturing resin bonded abrasive articles which comprises preparing a loose mass of abrasive grain to which is attached a fusible heat hardenable resin solid at ordinary room temperatures and free from liquid plasticizers, which mass because of lack of cohesion cannot be molded at ordinary room temperatures, shaping an article by placing the mass in a mold and heating to an extent sufficient to make the resin adhesive and cause the article to retain its shape when cooled and removed from the mold but not enough to cure the resin, cooling the article in the mold until the resin hardens sufficiently to make the article self supporting, removing the article from the mold and heating it to cure the resin.

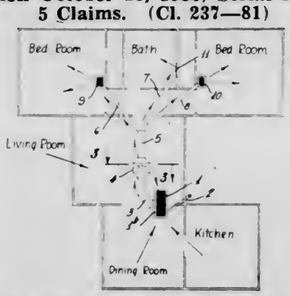
2,084,535

HOME HEATING METHOD

Howard B. Oakleaf, San Diego, Calif., assignor to National Heating and Engineering Co., San Diego, Calif., a corporation of California

Application October 13, 1936, Serial No. 105,365

5 Claims. (Cl. 237—81)



1. The herein described method of heating a home consisting in first forcing heat from a heating unit into certain rooms of a home, then suspending the forcing action and permitting the heating unit to draw some of the heat from said rooms and transfer it to other rooms of the house.

2,084,536

BELT END FASTENER

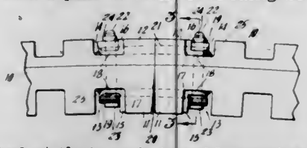
John C. Olsen, Chicago, Ill., assignor to Flexible Steel Lacing Company, Chicago, Ill., a corporation of Illinois

Application June 26, 1936, Serial No. 87,495

10 Claims. (Cl. 24—31)

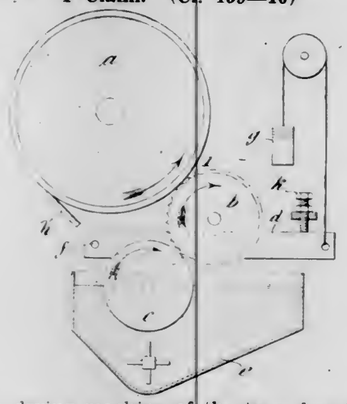
1. In a fastener for the ends of a side driving belt having an alternated lug and recess formation on its inner and outer sides, the combination with abutment plates adapted to be seated

in each of the endmost recesses of the belt ends and to bear against the endmost lugs; of securing elements adapted to be extended radially through the belt ends and the respective sets of plates; and a pair of links extending between and



connected at their ends to said securing elements, said links being adapted to extend through the inner and outer sets of endmost lugs of the belt and positioned flush with the inner and outer surfaces of the main portion of the belt.

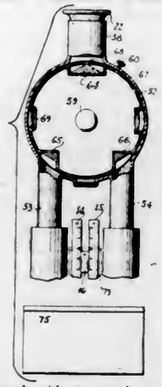
2,084,537
HEATED DRUM APPARATUS FOR DESICCATING LIQUIDS AND SEMILIQUIDS
Wilhelm Sasse, Weimar, and Ernst Schneider, Uerdingen-on-the-Rhine, Germany, assignors to The Buell Combustion Company Limited, London, England, a British limited-liability company
Original application December 27, 1934, Serial No. 759,376. Divided and this application March 19, 1936, Serial No. 69,672. In Germany January 8, 1934
1 Claim. (Cl. 159—10)



In a drying machine of the type described, a rotary drying drum in combination with a rotary feed roller adapted to revolve in close proximity to the drying drum without pressure, a series of grooves disposed evenly over the periphery of said feed roller in a substantially axial direction and having the cylindrical surface between the grooves of a practically minimum width adapted to carry up the liquid material into contact with the periphery of the said drying drum, a container for the liquid material, a dipping feed roller running in the same direction as the grooved feed roller, means for driving the said drum and the said feed rollers in close proximity to one another, adjustable means for varying the distance between the axes of the drying drum and feed roller in a predetermined manner.

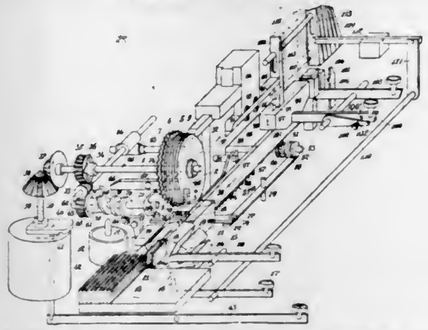
2,084,538
COLORIMETER
Arno Schmidt, New York, N. Y.
Application May 2, 1934, Serial No. 723,494
Renewed October 26, 1936
16 Claims. (Cl. 88—14)

1. In a colorimeter, a frame, an eye piece mounted on said frame for receiving the light from the color samples compared, scales for comparing said samples mounted on said frame, and



optical means projecting an image of said scales into said eye piece.

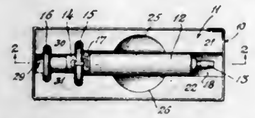
2,084,539
MACHINE FOR PRODUCING JUSTIFIED LINES OF PRINTING TYPES
Julius Schneider, Munich, Germany
Application July 10, 1935, Serial No. 30,651. In Germany September 25, 1933
2 Claims. (Cl. 199—80)



1. In a machine for producing justified lines of printing type, a casting mold of adjustable width, a rotatable matrix wheel adjacent to the mold, a movable feeler cooperating with said wheel, means controlled by movements of the feeler for adjusting the width of the mold to correspond with the particular type which is to be cast, means for separately storing the words of a line as they are cast, means for dividing the amount of necessary justification by the number of word spaces and adjusting the width of the mold accordingly for casting space blocks of proper width, and means for finally assembling the stored words in the form of a line with the cast space blocks between them.

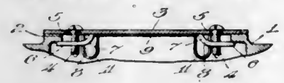
2,084,540
CARTON FOR GLASS SYRINGES
Henry T. Smith, Wood-Ridge, N. J., assignor to Becton, Dickinson & Co., Rutherford, N. J., a corporation of New Jersey
Application January 5, 1937, Serial No. 119,063
11 Claims. (Cl. 206—43)

1. A box for a syringe having a barrel provided with a flange and a plunger provided with a head, said box comprising a tray and a filler fitted into said tray, said filler including a pair of spacing panels and a trough-like section disposed between said panels and adapted to receive a syringe, said spacing panels and the sides of said trough-like section being provided with positioning openings adapted to receive the barrel flange and the



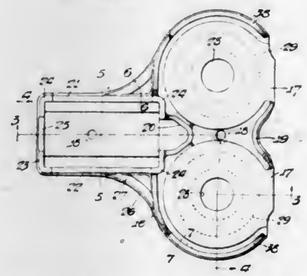
plunger head of the syringe, the distance between the barrel flange positioning opening and the plunger head positioning opening being substantially greater than the distance between the barrel flange and the head of the plunger when the plunger is fully inserted in the syringe barrel.

2,084,541
COVER ATTACHING MEANS
Nils A. Tornblom, Chicago, Ill., assignor to Appleton Electric Company, a corporation of Illinois
Application February 7, 1935, Serial No. 5,502
4 Claims. (Cl. 220—55)



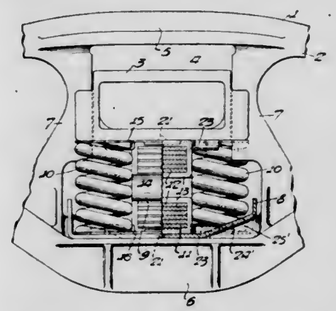
1. In combination, a box having an opening in a wall thereof, a cover for said opening, a screw passing loosely through the cover near the edge thereof, a clamping dog in the form of an elongated nut on the inner end of the screw, the inner end of the dog having a part extending laterally therefrom toward the cover, and means on the cover to hold the dog in a position to cause its outer end to underlie said wall beside said opening and prevent the dog from turning about the axis of the screw.

2,084,542
RAILWAY TRUCK
Donald L. Townsend, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application July 25, 1933, Serial No. 682,122
18 Claims. (Cl. 267—4)



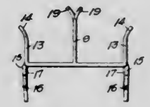
1. A spring assembly comprising upper and lower plates, helical springs and leaf springs disposed between said plates and arranged to operate in parallel under an applied load, said leaf springs being held together by band means, the load surfaces of said springs contacting with the inner surfaces of said plates, means on said plates for centering said helical springs, and means for engaging the band means of said leaf springs, said means completely surrounding said band means with the end portions of greater height than the sides.

2,084,543
RAILWAY TRUCK
Donald L. Townsend, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application October 19, 1933, Serial No. 694,332
14 Claims. (Cl. 267—4)



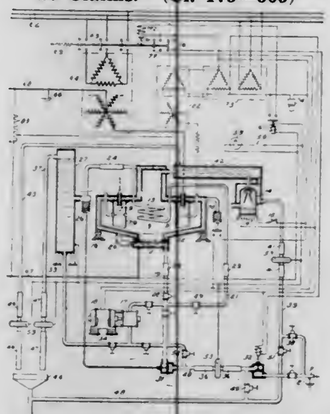
1. A spring nest adapted for insertion in the bolster opening of a railway vehicle side frame for the support of an associated bolster, comprising upper and lower plates formed to interlock with both helical and elliptic springs therebetween, said plates for that purpose having side portions adapted to engage said helical springs, and spaced portions connecting said side portions and lying on opposite sides of the spring bands of said elliptic spring, said spaced portions being arched toward one another and formed with flanges extending away from one another, but disposed between the planes of the base surfaces of said plates, and adapted to overlie the adjacent portions of said bands for increasing the engaging area thereof.

2,084,544
PANEL FASTENER
Cary C. Wilson, Claremont, N. H., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application June 26, 1935, Serial No. 28,473
8 Claims. (Cl. 72—118)



8. A fastener of the class described comprising a metal plate and a plurality of attaching prongs integral with said plate, at least two of said prongs extending in one direction from said plate for attachment to a supporting structure, the remainder of said prongs extending from said plate in a direction opposite to that of said two prongs whereby building material may be attached thereto, at least some of said remainder prongs having initially bent ends to cause them to curl outwardly when embedded into the building material and some of said remainder prongs being longer than the others at that same side of the plate for the purposes illustrated and described.

2,084,545
ELECTRIC VALVE PROTECTIVE SYSTEM
Harold Winograd, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 4, 1935, Serial No. 4,829
20 Claims. (Cl. 175—363)

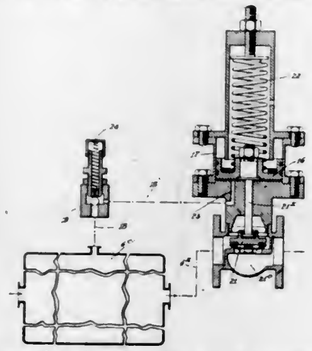


7. In combination, an electrical device having a conductive conduit at one potential and at one temperature, a source of fluid at another potential and at another temperature a heat exchange device having distinct passages including a passage connected with said conduit, an insulating conduit for connecting another of said passages of said heat exchange device with said source, an electrode penetrating within said insulating conduit at a point intermediate the length thereof, and means for connecting said electrode with the first said conduit.

20. In combination, a source of electric current, an electrical device comprising a conductive conduit at one potential, a second conductive conduit at another potential, an insulating conduit connecting the first and second said conduits for the flow of fluid therebetween, an electrode supported within said insulating conduit at a point intermediate the length thereof, means for connecting said device with said source, a connection between said electrode and the first said conduit including a relay connected in parallel with a shunt circuit and responsive to the magnitude of the flow of leakage current through said connection for causing interruption of the supply of current from said source to said device, and means for opening said shunt circuit in response to increase of the magnitude of said leakage current above a predetermined value to accelerate the operation of said relay.

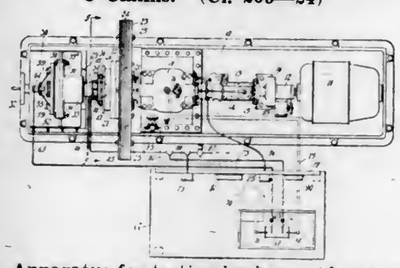
2,084,546
APPARATUS FOR RENDERING PULVERULENT MATERIALS FLUENT
Nikolai Ahlmann, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application June 11, 1935, Serial No. 26,084
In Great Britain June 15, 1934
3 Claims. (Cl. 259—1)

1. Apparatus for rendering pulverulent material fluent which comprises a container for the material, a source of supply of air under pressure, an air connection from the supply to the container, a spring loaded valve interposed in the connection and opened by air pressure to admit air to the container, a second valve interposed in the connection, and means to open the second valve at rapidly and continuously succes-



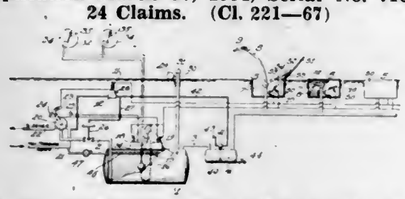
sive intervals whereby the air is introduced into the material in rapidly and continuously successive pulsations.

2,084,547
APPARATUS FOR TESTING BRAKES
Raymond W. Allen, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 25, 1933, Serial No. 690,816
8 Claims. (Cl. 265—24)



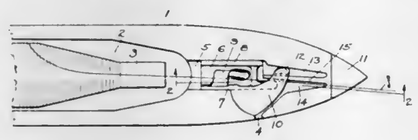
1. Apparatus for testing brakes, said apparatus comprising a brake drum, means for rotating the same, braking mechanism associated with the brake drum, yielding means restraining the braking mechanism against rotation, means controlled by the rotative speed of the drum-rotating means for applying the braking mechanism to the brake drum and for retracting it therefrom whereby torque transmitted from the brake drum through the braking mechanism deforms said yielding means, and means for measuring the deformation of said yielding means as a function of the magnitude of said torque.

2,084,548
GASOLINE DISTRIBUTING SYSTEM
Knight T. Bennett, Los Angeles, Calif., assignor of one-half to John Taylor, Los Angeles, Calif.
Application March 17, 1934, Serial No. 716,214
24 Claims. (Cl. 221—67)



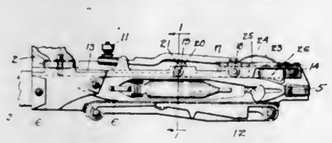
1. In combination with a fuel storage, a hydraulic high pressure system for forcing fuel from said storage, valves controlling said system, an auxiliary low pressure system controlling said valves and fed from said high pressure system, normally closed remote fuel dispensing stations, means in said stations operable when a station is opened automatically to make said low pressure system operative to cause the high pressure system to pass fuel from the storage to said stations, and manual means to make the system inoperative as a preliminary to closing the station.

2,084,549
SHUTTLE
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application July 1, 1936, Serial No. 88,437
4 Claims. (Cl. 139—223)



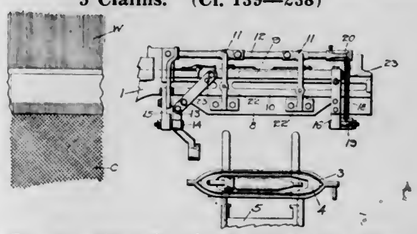
1. An automatically threading loom shuttle comprising a shuttle body having a cavity therein for reception of a filling carrier, a threading block fixed in a recess in said shuttle body, said threading block having a longitudinal thread passage communicating with said cavity, said shuttle body having a longitudinal channel and a longitudinal thread-receiving slot extending outwardly from said recess, said channel being positioned rearwardly from and said slot being positioned forwardly from the longitudinal axis of said thread passage, said threading block having a horn which projects from the front of the threading block outwardly and rearwardly above said slot, the rearward end of said horn being turned downwardly into said channel, said channel and said slot being separated by a guard wall formed integrally with said shuttle body, said wall extending beneath said horn from the inner to the outer side thereof, said wall immediately beneath said horn being spaced forwardly from said down-turned end and projecting materially above the same.

2,084,550
LOOM STOPPING MECHANISM
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application December 31, 1936, Serial No. 118,593
14 Claims. (Cl. 139—346)



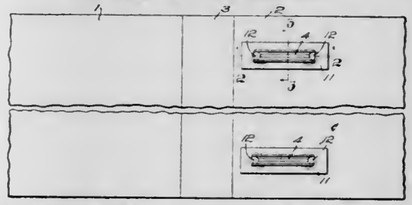
1. In a fly shuttle loom, the combination of a lay having a shuttle box, protection mechanism including a protector rod finger, a lever pivoted to the lay for operating said finger, and a cam operating said lever, said cam being pivotally mounted on the lay and projecting into the shuttle box in position to be engaged and rotated by an incoming shuttle.

2,084,551
SHUTTLE CHANGING LOOM
Walter J. Budzyna, East Douglas, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application February 12, 1937, Serial No. 125,475
5 Claims. (Cl. 139—238)



1. In an automatic shuttle changing loom, a lay, a shuttle box comprising front and back box plates, means pivotally supporting said front box plate for movement about a horizontal axis at the back of the lay, means pivotally supporting said back box plate for movement about a horizontal axis at the front of the lay, said supporting means and box plates being entirely free and independent of each other, and a single spring connected to both said supporting means and acting to yieldingly hold both said box plates down.

2,084,552
LEAF HOLDER DEVICE
Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application May 8, 1935, Serial No. 20,350
11 Claims. (Cl. 281—25)

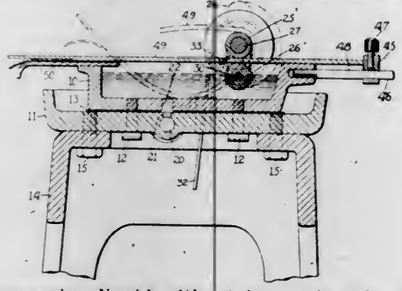


11. Articles of manufacture for use as a leaf fastener comprising a U-shaped channeled member having side legs, attaching elements formed integral with the free ends of said side legs, each of said attaching elements comprising a head portion of substantially bow-shaped cross-section and a neck portion, said neck portions joining said head portions to said legs, shoulders being formed on said legs at corresponding points, and a metal plate provided with embossments and having bow-shaped apertures cut in said embossments, said head portions projecting through said apertures and substantially straightened whereby said head portions will bear upon the walls surrounding said apertures thereby securing the fastener member to the plate.

2,084,553
METHOD OF AND APPARATUS FOR TREATING SHOE PARTS
Paul H. Dixon, St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 28, 1936, Serial No. 61,202
20 Claims. (Cl. 12—17)

1. That improvement in methods of conditioning unattached leather soles, which consists in forming a localized bend of short radius

in an intermediate portion of a sole, and at the same time immersing another portion thereof in



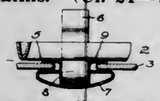
a tempering liquid without immersing the portion first specified.

2,084,554

FASTENER SECURED INSTALLATION AND SNAP FASTENER FOR THE SAME

Edmund C. Dowse, Sherborn, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application October 11, 1934, Serial No. 747,899
4 Claims. (Cl. 24—73)



1. A fastener for installations of the class described having a head, support-engaging means extending from said head, a cap secured to said head, and a U-shaped clip member having a portion located between said head and said cap, the arms of said U-shaped member extending away from said head in the direction of said support-engaging means, and said arms being adapted to bend for the purpose described.

2,084,555

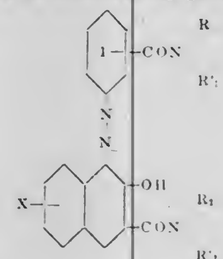
COLORED RUBBER PRODUCTS AND A PROCESS OF PRODUCING THEM

Ernst Fischer, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 21, 1935, Serial No. 7,639. In Germany February 27, 1934

5 Claims. (Cl. 18—50)

1. The process of producing colored rubber products which comprises mixing a rubber product with a water-insoluble mono-azo-dyestuff corresponding to the following general formula:



wherein the



-group stands in one of the positions meta and para to the azo-group and the benzene nucleus 1 may be substituted by alkyl-, alkoxy-, aryloxy-groups or halogen, X stands for hydrogen, halogen or alkoxy, R_1, R'_1, R_2 and R'_2 mean hydrogen, alkyl-, aryl-, aralkyl-or hydroaromatic radicals and wherein the radicals linked to the same nitrogen atom may further be connected with each other to form a heterocyclic ring system, R_1 and R'_1 being selected from the class of alkyl, aryl, aralkyl and hydroaromatic in the event that R_2 is hydrogen and R'_2 is aryl and then vulcanizing the mixture.

2,084,556

ELECTRICAL RESISTANCE AND HEATER ELEMENT

Benjamin Henry Noël Hans Hamilton, West Hartlepool, England, assignor to The Expanded Metal Company, Limited, London, England

Application July 11, 1936, Serial No. 90,249. In Great Britain August 1, 1935

6 Claims. (Cl. 201—73)



1. An expanded metal electrical heater or resistance element comprising at least one strip of expanded metal at least one side boundary edge of which passes through the meshes of the expanded metal as distinct from passing through solid "mesh-joining" portions, whereby the zigzag current path or paths through the element occupy a total width substantially less than the total width of the element.

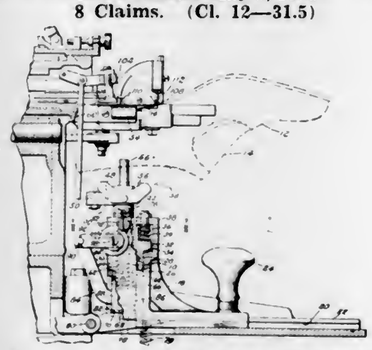
2,084,557

HEEL-SEAT FITTING MACHINE

George Hazelton, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application April 10, 1936, Serial No. 73,781. In Great Britain May 9, 1935

8 Claims. (Cl. 12—31.5)



1. A machine for operating upon shoes having, in combination, an abutment constructed and

arranged to be engaged by a shoe, a jack post for supporting the shoe, a carrier for the jack post, means yieldable under pressure for moving the shoe mounted upon the post into engagement with said abutment, mechanism for locking together the carrier and the jack post, a stop, and mechanism for moving the carrier and the jack post as a unit a predetermined distance limited by the stop in order to clamp the shoe securely against said abutment.

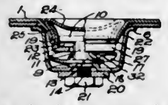
2,084,558

TURN-BUTTON FASTENER

George A. Holmes, Newton Center, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application October 2, 1935, Serial No. 43,234

15 Claims. (Cl. 24—221)



1. A fastening device comprising parts to be fastened together, and separate co-engaging fastening members, one of said members mounted on one of said parts having a shouldered stud rigidly assembled therewith, the other of said members swivelly mounted on the other of said parts and having an aperture to receive said stud and also having means adjacent to said aperture for engagement with the shouldered stud by turning said last member to detachably fasten said parts together.

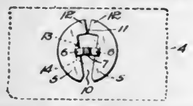
2,084,559

SNAP FASTENER MEMBER

Walter I. Jones, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application July 23, 1935, Serial No. 32,709

10 Claims. (Cl. 24—213)



1. A snap fastener member having a base, a shank extending from said base in the form of a loop, the end of said shank away from said base being the connected portion of said loop and the ends of said loop being joined to said base, said shank being shaped to provide diverging portions extending from said base to form a stud neck, and converging portions from said diverging portions to said connected portion providing an easy aperture-entering head, said base having a slot of substantial width at one side of said shank and having abutting independent portions at the opposite side, said abutting portions cooperating with said slot to permit a torsional action of said shank when it is forced through an aperture of predetermined size.

2,084,560

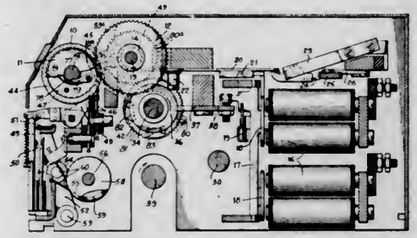
ACCUMULATING DEVICE

Clair D. Lake, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application July 13, 1934, Serial No. 734,901

4 Claims. (235—61.6)

1. In an accumulator for a tabulating machine, an adding clutch, including an intermittently and cyclically operating driving element, means for causing the same to move and rest in alternation, means for causing engagement of said clutch at differential times during the movement



of said driving element in each cycle of operation and means for causing disengagement thereof during the period in each cycle when the driving element is at rest.

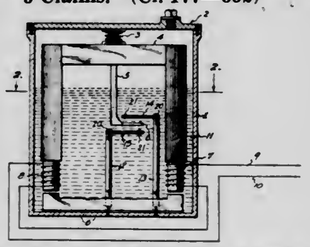
2,084,561

SEISMOPHONE

Harold R. Prescott and Kenneth C. Woodyard, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

Application July 1, 1935, Serial No. 29,306

3 Claims. (Cl. 177—352)



3. In a seismophone, a housing, a mass, elastic means for mounting said mass for vibration within said housing, a damping fluid in said housing, means actuated by vibration of said mass for moving said damping fluid and means responsive to temperature for varying the resistance to fluid movement inversely as the temperature.

2,084,562

TIMING RELAY FOR MACHINE TOOLS

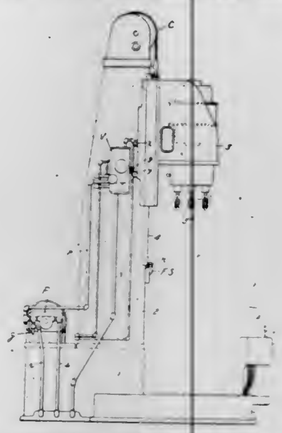
Robert A. Schafer, Richmond, Ind., assignor to The National Automatic Tool Company, Richmond, Ind., a corporation of Indiana

Application December 2, 1932, Serial No. 645,433

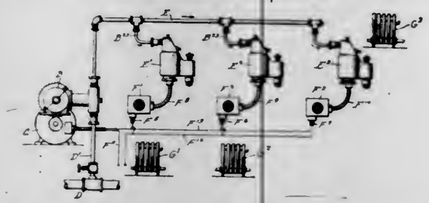
4 Claims. (Cl. 77—32)

1. A machine tool having an element adapted to be moved selectively in forward and reverse directions, combining an hydraulic transmission mechanism including a reversing valve for moving said element, means to shift said valve to a position effecting movement of said element in a forward direction; latch means for said valve; means for shifting same to a position effecting movement of said element in a reverse direction upon the release of said latch means; means for effecting a dwell at the end of the forward movement of said element, said means comprising a normally fixed abutment adapted to stop the forward movement of said element at a predetermined point in its travel; an electrically controlled time device rendered effective during the final forward movement of said element for releasing said latch means at a predetermined time

subsequent to the engagement of said element with said fixed abutment; and means for adjustably controlling the action of said time device.



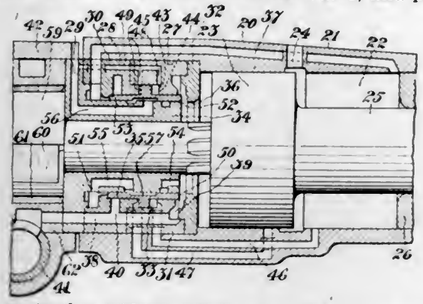
2,084,563
HUMIDIFYING SYSTEM
Philip Lane Scott, San Mateo, Calif., assignor to Super Diesel Tractor Corporation, La Porte, Ind., a corporation of New York
Application December 15, 1930, Serial No. 502,382
13 Claims. (Cl. 261—27)



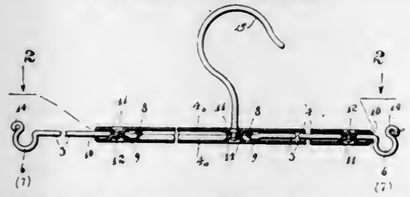
1. In a humidifying system, an atomizer, a liquid supply, a conduit from said supply to said atomizer, a liquid driving means for moving liquid along said conduit to said atomizer, a stop means for said atomizer, a control means for said atomizer, said control means adapted in response to humidity variations to set into operation the liquid driving means and to operate the stop means to free the atomizer for operation.

2,084,564
VALVE FOR ROCK DRILLS
William A. Smith, Sr., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application April 2, 1936, Serial No. 72,318
2 Claims. (Cl. 121—28)

1. In a fluid actuated rock drill, the combination of a casing having a piston chamber and a piston therein, an exhaust port for the piston chamber, a valve chest having a valve chamber and a supply passage, front and rear inlet passages leading from the valve chamber to the piston chamber, a valve in the valve chamber to control communication between the supply passage and the inlet passages, opposed actuating surfaces on the valve intermittently exposed to pressure fluid valved by the piston for throwing the valve, holding surfaces on the ends of the valve exposed to pressure fluid flowing to the inlet passages for holding the valve, seating surfaces in the valve chamber for the holding surfaces, a guide member within the valve, and passages in the guide member controlled by the valve for relieving compression from the piston chamber.



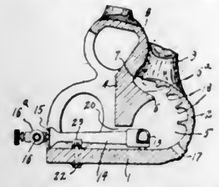
2,084,565
HANGER
Peter Tuppan, Los Angeles, Calif.
Application May 22, 1936, Serial No. 81,241
4 Claims. (Cl. 223—95)



1. In a hanger, a central housing member made in halves recessed in the adjoining faces, and attachment members of substantially U-form adjustably disposed between the halves and with the free ends of the U-shaped members protruding from the ends of the housing members in form of hooks designed to engage with buttons or the like of garments whereby the garment may be suspended in a stretched condition.

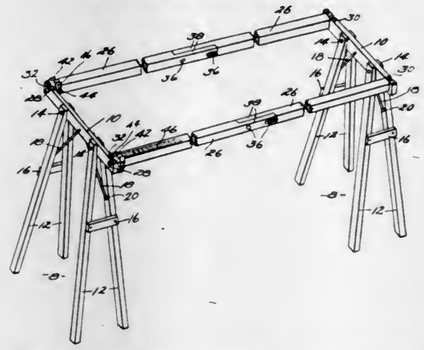
2,084,566
GAS LOG
John R. Warfield, Elsinor, Calif.
Application May 29, 1934, Serial No. 728,067
Renewed December 1, 1936
5 Claims. (Cl. 126—92)

1. A radiant gas-heating appliance comprising a hollow shell of refractory material defining a combustion chamber and having an imperforate outwardly curved relatively thin front wall of ceramic material, a rear wall of ceramic material, the lower portion of which is spaced a substantial distance rearwardly from the lower portion of the front wall, whereby said two walls define a combustion chamber of substantial depth (fore and aft) in the lower portion of said shell, the inner face of said rear wall curved forwardly and upwardly from said lower portion and thence rearwardly in the general direction of the upper portion of the front wall, whereby the depth of the upper portion of the combustion chamber is greatly reduced, said upper portion of said chamber terminating in a vent of limited area for discharge of the products of combustion from the appliance into the surrounding space, a gas burner in the lower relatively deep portion of said combustion chamber immediately below the lower inner face of the rear wall for discharging a burning mixture of fuel gas and air into said chamber, and an auxiliary air inlet opening in said shell immediately adjacent said burner and between it and the lower end of said rear wall whereby substantially all air admitted to said combustion chamber enters the latter adjacent



the flame issuing from the burner and is highly heated by the flame and by the highly heated enclosing ceramic walls before it reaches the upper or constricted portion of the combustion chamber, thereby insuring complete combustion within the upper portion of the chamber of all gas prior to its discharge through the vent.

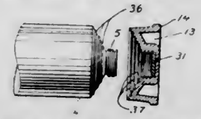
2,084,567
QUILTING FRAME
Dwight A. West, Kansas City, Mo.
Application January 5, 1935, Serial No. 513
3 Claims. (Cl. 304—5)



1. In a collapsible quilting frame, a pair of trestles, each of said trestles comprising a back member having a socket formed in each side respectively thereof, a pair of diverging legs pivotally secured to the back member adjacent each end respectively, and a brace pivotally mounted on each pair of legs respectively, said braces each comprising a hook having one end swingably attached to the inner side of one of the legs of the respective pair of legs and the other end in releasable engagement with the proximal socket formed in the said back member intermediate the points of securement of said legs, said back member, pairs of legs and braces being in the same plane and the legs of one pair being between the legs of the other pair when the trestle is collapsed.

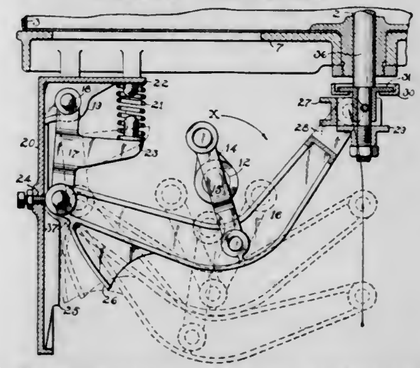
2,084,568
CLOSURE CAP
George H. White, Chicago, Ill.
Application June 12, 1935, Serial No. 26,201
7 Claims. (Cl. 221—60)

1. A closure cap for a container which has a tubular body terminating in a reduced threaded outlet neck, said cap including a central threaded annular wall to fit over the neck of the container and a larger annular skirt portion of approximately the same diameter as said tubular body and formed to be clamped against the end wall of the body in sealing engagement therewith



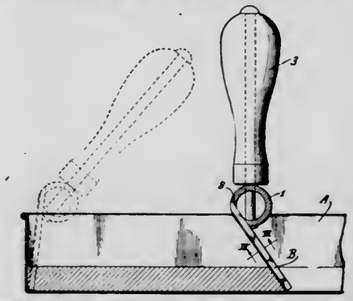
when the cap is screwed onto the neck, the cap having an annular channel between said central wall and said skirt portion open toward the end wall of the tube.

2,084,569
WASHING MACHINE
Percy E. Barker, Cleveland, Ohio, assignor to Arthur Betz, Cleveland, Ohio
Application March 28, 1936, Serial No. 71,441
2 Claims. (Cl. 74—24)



1. Power operating mechanism suitable for a washing machine of the type described, comprising a reciprocable and rotatable shaft having a ratchet clutch connected therewith, an oscillatory arm having an operating member for said clutch, a crank having a link connected with said arm, a bracket having a link supporting one end of said arm, and a spring and rocker to change the working position of the arm in respect to the crank.

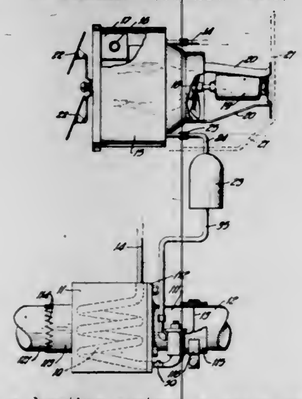
2,084,570
JELLY CUTTER
Adolph J. Beck, Chicago, Ill., assignor to National Pectin Products Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1935, Serial No. 24,322
1 Claim. (Cl. 30—304)



A device for slicing jellied and like substances comprising a hollow bar having handles adjacent the bar ends with their axes at right

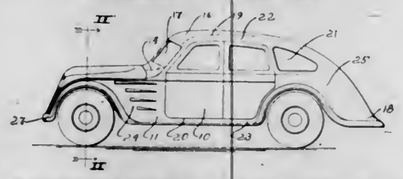
angles to the bar axis, said bar having a plurality of parallel slots cut in it and laterally spaced lengthwise of the bar with the lengths of the slots inclined with respect to the axes of the handles in other than right angular relationship, and cutting blades secured in said slots, the inclination of the slots to the axes of the handles causing said blades to trail when the device is used with draw action to slice the jellied substance.

2,084,571
HEATING SYSTEM
Claude G. Bordeaux, Albany, N. Y.
Application April 29, 1932, Serial No. 608,266
11 Claims. (Cl. 237—12.3)



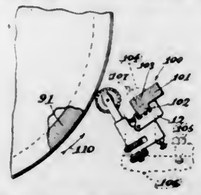
11. In a heating system, a vapor radiator, a vapor generator communicating therewith, a liquid supply reservoir located at a lower level than said radiator, means providing a communicating passage between said radiator and said reservoir, said reservoir being constructed and arranged to provide an air chamber above the liquid, means providing communication between said reservoir and said generator, and means for substantially preventing the return of fluid from said reservoir to said radiator.

2,084,572
AUTOMOTIVE VEHICLE
Carl Breer, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application June 8, 1933, Serial No. 674,835
Renewed December 17, 1936
38 Claims. (Cl. 296—28)



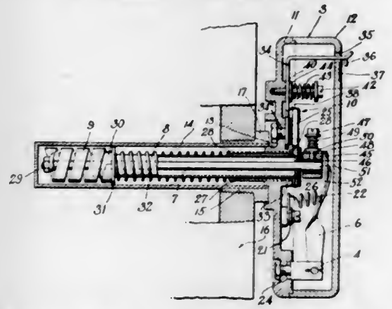
1. A unitary body for an automobile comprising two spaced members adapted to form the sides of the body and of equal length with the automobile, a roof member interconnecting the top portions of said side members and extending to the rearmost end of the automobile, a cowl panel spaced from said roof member and interconnecting said side members, and a transversely extending front member spaced from said cowl panel and interconnecting said side members.

2,084,573
PERFORATOR FOR PRINTING PRESSES
Park W. Cowan, Hollywood, Calif.
Application May 13, 1936, Serial No. 79,516
11 Claims. (Cl. 164—100)



1. A perforator for printing presses having a holder body with means for attaching same to a cross bar, said body having a bore therethrough and a notch transverse to the bore, a shank slidably mounted in the bore and having a threaded section with a nut in the notch threaded thereon, and a lock nut on the end of the shank, the opposite end of the shank being split and having a rotary perforating disc journaled therein, and means to prevent rotation of the shank in said bore.

2,084,574
SENSITIVE CONTROL INSTRUMENT
Preston W. Cummings, Rockford, Ill., assignor to Howard D. Colman, Rockford, Ill.
Application December 15, 1930, Serial No. 502,379
Renewed November 14, 1936
17 Claims. (Cl. 200—138)

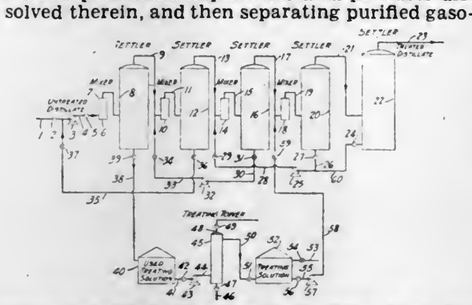


1. A thermostat comprising a helically coiled thermostatic element, a support for one end of said element, a shaft to which the other end of said element is secured, a movable switch contact mounted on the shaft, a stationary switch contact, and means for supporting said shaft adapted to permit axial movement, and spring means normally holding the shaft in position to maintain said contacts in operative relation.

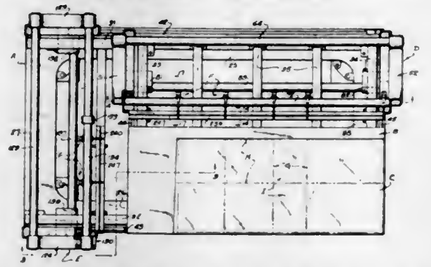
2,084,575
PROCESS OF REFINING GASOLINE CONTAINING MERCAPTANS
Charles A. Day, Jr., Long Beach, Calif., assignor, by mesne assignments, to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware
Application March 28, 1936, Serial No. 71,438
2 Claims. (Cl. 196—32)

1. In the process of refining gasoline containing mercaptans to substantially completely remove the mercaptans without conversion to disulphides, the improvement which comprises, commingling the gasoline with a treating solution consisting of a water solution of sodium hydroxide

containing alcohol and approximately 50% by volume petroleum naphthenic acid products dissolved therein, and then separating purified gasoline substantially free of mercaptans from the treating solution containing the mercaptans dissolved therein as mercaptides.

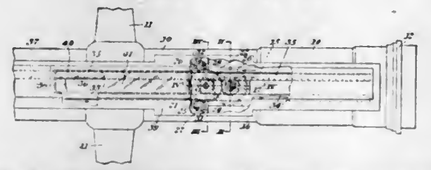


2,084,576
CUTTING MACHINE
John L. Drake and Edwin A. Rosin, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 3, 1935, Serial No. 29,635
17 Claims. (Cl. 33—32)



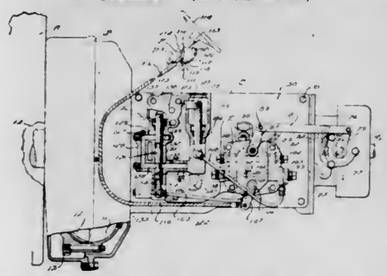
1. In sheet cutting apparatus of the character described, a stationary table for supporting the sheet to be cut, a pair of cutter carriages movable successively across the table through intersecting paths, a group of cutting elements carried by each carriage, means for maintaining the cutting elements of each group in non-cutting position during movement of the respective carriage in one direction, and means for maintaining said cutting elements in cutting position during movement of said carriage in the opposite direction.

2,084,577
DISTANCE INDICATOR FOR TELESCOPES
Charles F. Drew, Jr., Dormont, Pa.
Application November 26, 1935, Serial No. 51,647
4 Claims. (Cl. 88—32)



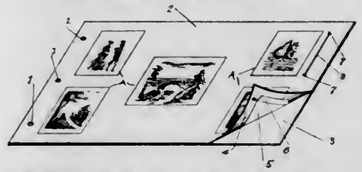
2. A telescope comprising a tube, an objective cell reciprocable therein, a shaft journaled in said tube, means whereby rotation of said shaft effects adjustment of the cell relative to the tube to focus the telescope, a graduated scale slidable along said tube, a bar also slidable along the tube and having a pointer cooperating with said scale, said bar and scale having rack teeth thereon, shafts rotatably mounted on said tube having pinions thereon meshing with said rack teeth, and multiplying gearing between said last-mentioned shafts and said first-mentioned shaft.

2,084,578
MOTOR VEHICLE POWER TRANSMISSION
William T. Dunn and Augustin J. Syrovy, Detroit, Mich., assignors to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application May 7, 1934, Serial No. 724,434
40 Claims. (Cl. 74—262)



2. In a motor vehicle transmission having a plurality of speed ratio controlling devices, means operably associated with each of said controlling devices for actuating said devices, an adjustable shaft having a plurality of racks respectively adapted for selective operative connection with said actuating means for said controlling devices, manually operated means for adjusting said shaft for selectively operably connecting said racks respectively with said actuating means, and power operating means for actuating said shaft.

2,084,579
PHOTOGRAPH ALBUM LEAF
Nelson Edwards, Baltimore, Md.
Application November 30, 1934, Serial No. 755,302
2 Claims. (Cl. 129—20)

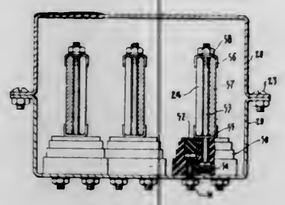


1. In a photograph album, the combination of two sheets, means for securing the two sheets together to form an album leaf, one of said sheets having slots formed therein, and open ended pockets secured to the inner face of said slotted sheet before the sheets are secured together and having their open ends coinciding respectively with said slots for the purpose of receiving and retaining photographs therein.

2,084,580
BUS BAR SUPPORTING MEANS IN BUS DUCT
William H. Frank, Detroit, Mich.
Application August 31, 1935, Serial No. 38,842
1 Claim. (Cl. 173—313)

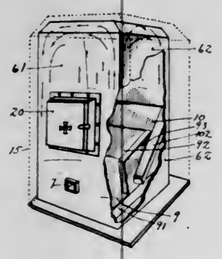
An electrical distribution bus-duct having an elongated bus run spaced from a wall of the elongated duct, bus run supports comprising a plurality of separate spaced identical insulator pedestals disposed against that wall, each pedestal having a pair of bolts projecting from one

surface thereof and through that wall of the duct, for securing the pedestal to that wall, with each bolt having its head embedded within the pedestal, each pedestal having means for securing the bus run to the pedestal, comprising a pair of bolts projecting from a surface of the



pedestal opposite the first mentioned surface, with each of these bolts having its head embedded within the pedestal, the line connecting each pair of bolts being transverse to and intersecting that connecting the other pair of bolts, and being between the other pair of bolts.

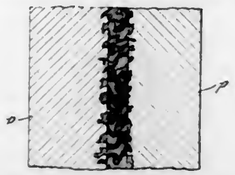
2,084,581
WARM AIR FURNACE
Alonzo W. Gearhart, Fresno, Calif.
Application May 25, 1935, Serial No. 23,444
2 Claims. (Cl. 110—86)



1. In a furnace having a closed combustion chamber, a fire box in the lower part of the combustion chamber, said fire box being spaced from the sides and rear of said combustion chamber, said spaces between the walls of the combustion chamber and the walls of the fire box being enclosed with a sloping partition extending from the rear wall of the combustion chamber to the upper end of the rear wall of the fire box, and transversely across said combustion chamber, said partition further extending along the side walls of the fire box and the side walls of the combustion chamber to a spaced distance from the front wall of the combustion chamber and a spaced distance from the floor of the combustion chamber, and a flue opening from the combustion chamber directly under said sloping partition.

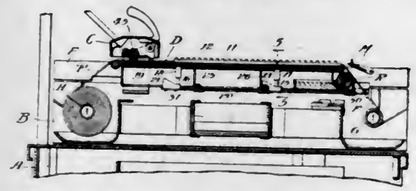
2,084,582
ART OF BONDING OR PLYING BODIES
Joshua H. Goldman, Boston, Mass.
Application October 16, 1934, Serial No. 748,444
6 Claims. (Cl. 210—204)

1. A filter pad made up of a succession of bonded alternating carded webs of fiber and substantially impermeable pulp board spacers having a plurality of columns of aligned openings therethrough, the confronting faces of said spacers being sprayed with ductile wax and presenting multitudinous projecting wax particles, the particles



on one face being interlocked with those on another and serving to fix the web therebetween.

2,084,583
DUPLICATING MACHINE
Fred M. Houshalter and Fred O. Weisman, Milwaukee, Wis., assignors to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application July 25, 1935, Serial No. 33,100
14 Claims. (Cl. 101—133)



1. In a duplicating machine having a printing bed and a duplicating band thereon, a master sheet assembling attachment for said machine comprising a pair of bars on said printing bed, said bars having spaced mounting pins thereon and means for elevating said bars above the printing bed.

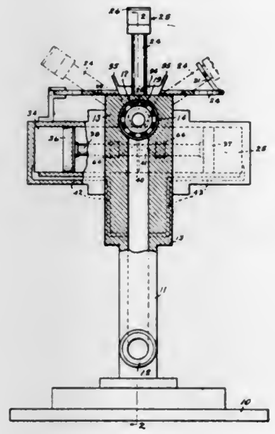
2,084,584
GLARE SHIELD BRACKET
Rex C. Jacobs, Detroit, Mich.
Original application September 14, 1934, Serial No. 742,575. Divided and this application December 28, 1936, Serial No. 117,860
12 Claims. (Cl. 296—97)



6. The combination of an automobile top carrying a defining wall of the windshield opening, a wall leading rearwardly and upwardly from such defining wall and a glare shield bracket including a hinge carried by and partially concealed by said upwardly leading wall, and an arm having movement confined to a horizontal arc extending from said hinge interiorly of the automobile for supporting a glare shield, said arm being parallel with said glare shield for rotation of said shield therearound.

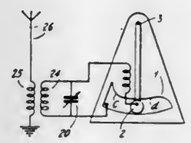
2,084,585
AUTOMATIC SPRINKLER
Clinton G. Keith, Yakima, Wash.
Application August 22, 1934, Serial No. 740,941
2 Claims. (Cl. 299—66)

1. In an automatic sprinkler, a sprinkler pipe mounted for oscillation in a substantially vertical plane; oscillating means connected with said sprinkler pipe; water supply conduit means connected with said sprinkler pipe; ball and socket joint means in said sprinkler pipe permitting angular adjustment of said sprinkler pipe in directions at substantially right angles to the direction of oscillation of said sprinkler pipe; a sprinkler pipe adjusting member positioned in the path of movement of said sprinkler pipe and having two



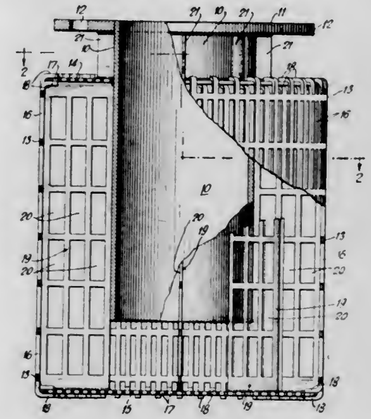
oppositely inclined surface portions positioned with their contact faces toward each other arranged to be contacted by said sprinkler pipe; and actuating devices connected with said sprinkler pipe adjusting member for moving said sprinkler pipe adjusting member into different adjusted positions whereby said sprinkler pipe may be moved angularly in directions transverse to the direction of oscillation of said pipe.

2,084,586
RADIO TUNING ARRANGEMENT
Alfred Aubyn Linsell, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application June 28, 1933, Serial No. 677,967. In Great Britain July 4, 1932
7 Claims. (Cl. 250—40)



1. In combination in a device of the class described, a circuit to be resonated to a predetermined frequency, including an adjustable condenser therein, a control knob connected to said condenser, an auxiliary tuning element coupled to said condenser and means mechanically independent of said control knob arranged to adjust said auxiliary tuning element periodically to a predetermined constant value for a substantial time interval and alternating to values greater and less than said predetermined value for shorter time intervals.

2,084,587
STRAINER
William K. McFarlin, East Orange, N. J.
Application September 21, 1935, Serial No. 41,521
3 Claims. (Cl. 210—170)



1. In combination a cage strainer having perforated top, bottom, and side walls, the side walls having extending lips which are alternately disposed above and below the adjacent surfaces of the top and bottom walls and fastened thereto.

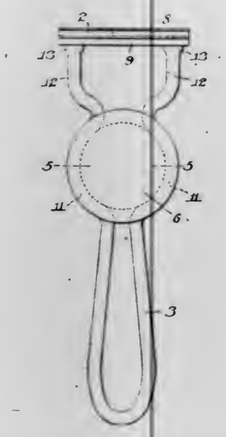
2,084,588
MAGNESIA INSULATION AND METHOD OF MAKING SAME
Lewis B. Miller, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 22, 1935, Serial No. 51,087
7 Claims. (Cl. 106—18)

1. The method of manufacturing magnesia insulation which comprises forming an aqueous solution of magnesium bicarbonate, heating the solution to expel carbon dioxide and form a precipitate of magnesium basic carbonate, introducing asbestos fibres and a small proportion of a water-soluble soap, to form a mixture including soap, the basic carbonate, asbestos, and water, removing water from and shaping the said mixture, and drying the shaped product, the said heating to expel carbon dioxide and precipitate basic carbonate being conducted at a maximum temperature not in excess of 200° F., to cause the precipitate to be predominantly non-crystalline in nature.

2,084,589
SCRAPER
Ernest B. Odgers, Wildwood, N. J.
Application July 13, 1935, Serial No. 31,159
3 Claims. (Cl. 30—171)

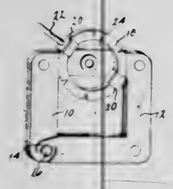
1. A scraper comprising a blade provided with a scraping edge, a wire having its central portion forming a handle and having its end portions extending from the handle to the blade and secured to the latter, and a round pressure member carried by said end portions and having an annular groove therein, said end portions embracing said

member and having outwardly bowed portions seated in opposite sides of said groove and holding



the member in place in spaced relation to said handle.

2,084,590
ELECTRIC MOTOR
William Joseph O'Leary, Dayton, Ohio
Application September 1, 1934, Serial No. 742,399
17 Claims. (Cl. 172—278)



1. An induction motor including a stator having a plurality of pole pieces, a winding linking the stator for supplying flux thereto, a rotor mounted in the flux path, and magnetic bridges between the pole pieces and adjustable means for shifting the phase of the portion of the flux passing through the bridges, the adjustment of said means causing a reversal of the effective direction of shift of the magnetic field with respect to the rotor.

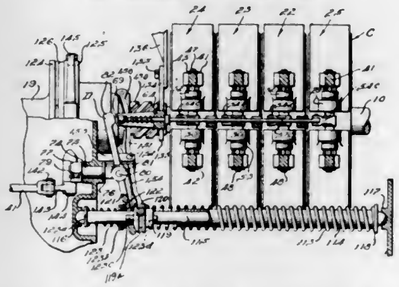
2,084,591
GRIP FOR GOLF CLUBS
Avern Pardoe, Toronto, Ontario, Canada, assignor to Edna H. Pardoe, Toronto, Ontario, Canada
Application December 17, 1934, Serial No. 757,796
4 Claims. (Cl. 273—81)

1. A grip for golf clubs having one side thereof formed with a longitudinal convex curve to fit the hollow of the palm of a clenched hand, said curve converging at the upward end toward the axis of the club shaft and the opposite side being formed with a longitudinally concave curve away from the striking face side of the head to receive the fingers of the clenched hand, said curve diverging from the axis of the club shaft and imparting a gradual outwardly curved flare enlarging toward the head end of the grip such flared portion



to be encompassed by the palm and fingers of the hand.

2,084,592
MOTOR VEHICLE POWER TRANSMISSION
Herbert F. Patterson, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application May 11, 1934, Serial No. 725,222
26 Claims. (Cl. 74—262)

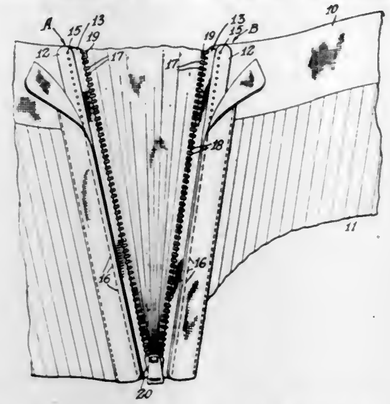


1. In a motor vehicle transmission having a plurality of speed ratio controlling devices, means operably associated with each of said controlling devices for actuating said devices, an adjustable operating element adapted for selective operative connection with said actuating means for said controlling devices, manually operated means for yieldingly urging said operating element selectively to its positions of adjustment in advance of adjusting movement thereof, and power operating means for alternately actuating and releasing said operating element.

2,084,593
CORSET STAY AND CORSET CLOSURE
Waunetta Pickens, Los Angeles, Calif.
Application August 21, 1933, Serial No. 686,007
1 Claim. (Cl. 2—38)

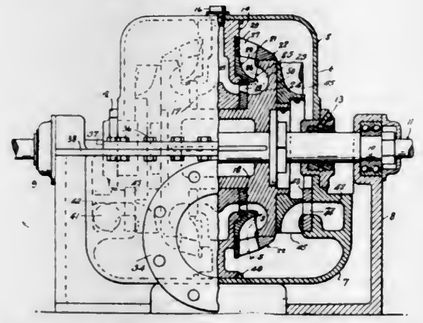
As a new article of manufacture a pair of oppositely arranged corset stays each having a longitudinal row of perforations, the perforations of each stay being spaced apart at equal uniform distances, a separate flexible tape stitched into the perforations of either stay to be secured thereon and having a free longitudinal lateral portion alongside the stay, sets of slide fasteners carried by the confronting edges of said

tapes, and a coupler engageable with both sets of slide fasteners for uniting or disuniting the



tapes selectively, the sets of fasteners being spaced out of contact with the stays.

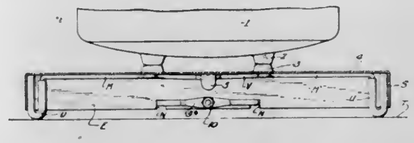
2,084,594
TURBINE
Carl F. Piper, Oakland, Calif.
Application October 10, 1934, Serial No. 747,776
7 Claims. (Cl. 253—67)



1. A steam turbine comprising a stator containing a steam chest arranged for connection to a supply of steam, a rotor rotatably mounted alongside said stator, laterally opening nozzles on said stator, blade-equipped steam expansion and reaction means on said rotor and stator in steam receiving relation to said laterally opening nozzles, said means having portions extending axially inwardly with respect to the openings of said nozzles in a manner to overlap said nozzles to prevent escape of steam, and second blade-equipped reaction means on said stator and located between and axially overlapped by radially inwardly and radially outwardly extending parts of the first mentioned means.

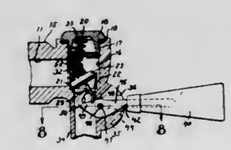
2,084,595
FEET AND HANDLE PROVISIONS FOR APPLIANCE BASES
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 11, 1936, Serial No. 115,368
19 Claims. (Cl. 53—5)

1. A base for an electric toaster or the like, comprising: a downwardly open box-like base including a base top, and a peripheral flange depending from the said top and presenting two oppositely disposed pairs of similarly spaced corners; two resilient and oppositely facing feet-affording members housed by the said base, each of the said members comprising a loop of wire having its shank end parts respectively engaging



the flange corners of one of the said pairs; each of the said loop-shank end parts having a portion thereof extending to a lower elevation than the lower edge of the said flange, and the base top having portions thereof releasably interlocked respectively with the bights of the loops of the two foot members.

2,084,596
CONTAINER VALVE
Henry Thomas Rice, San Gabriel, and Milton E. Seidner, East San Gabriel, Calif.
Application December 17, 1935, Serial No. 54,810
10 Claims. (Cl. 251—10)

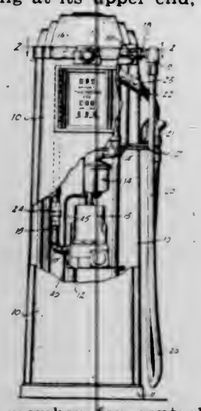


4. In a closure, a body having a pair of intersecting bores therein, a valve seat at the juncture of said bores, a valve member normally disposed on said seat, a spring, said spring engaging said body and one end of said valve, said valve having a valve stem attached to its opposite end, said valve stem having a bifurcated lower end, an operating lever, said body having a slot in which said operating lever is mounted, said slot including a wide outer portion and a narrower inner portion, said lever including an operating portion, said operating portion including a thicker outer part fitting the outer part of said slot, said operating portion having a narrow inner part fitting the narrower inner portion of said slot, the inner part of said operating portion having a shoulder and a hook with a straight portion therebetween, said bifurcated end of said valve stem slidably engageable with said straight portion.

2,084,597
LIQUID DISPENSING APPARATUS
Ross E. Risser, Bonham, Tex.
Application November 2, 1936, Serial No. 108,713
6 Claims. (Cl. 221—95)

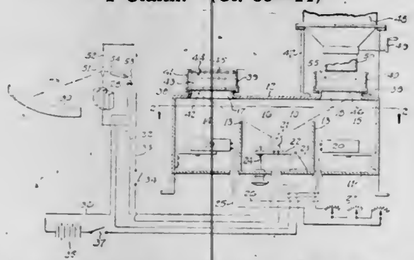
1. As a subcombination in a liquid dispensing apparatus, a valve including, a valve body adapted to be connected in the dispensing line of a liquid dispensing apparatus, a sleeve extending vertically within the body and having its lower end

extending from the body, said sleeve having a reduced opening at its upper end, and a spring-



pressed valve member for controlling the flow through said opening and sleeve.

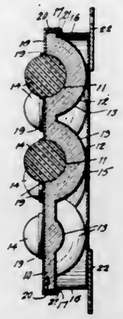
2,084,598
COLOR CALIBRATION MACHINE
Fred A. Rogers, Portland, Oreg., assignor to Rainbow Laboratories, Portland, Oreg.
Application April 8, 1935, Serial No. 15,158
1 Claim. (Cl. 88—14)



A color calibrator consisting of a casing having a pair of ports in the top thereof, a pair of glass bottom material holding cups adapted to be removably placed over said ports, one of said cups containing a material which has standard reflecting properties while the other cup contains material to be compared with the standard, an adjustably mounted exciter lamp within said casing adapted to project light through the bottoms of both cups, a photoelectric cell mounted within said casing under each of said cups so as to receive light reflected from the material therein, resistance elements placed in series with said cells with a negative pole of one cell connected to the positive pole of the other cell, a galvanometer for indicating the flow of current between said cells.

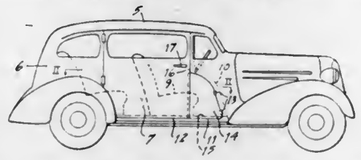
2,084,599
REFLECTING SIGNAL DEVICE
Henry J. Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut
Application September 26, 1935, Serial No. 42,197
4 Claims. (Cl. 88—82)

1. In an autocollimating reflecting signal device adapted to be illuminated by light rays directed thereto from the front, a glass body having a spherically curved socket in its front surface and having a convex dome upon its opposite surface in axial alignment with said socket and constituting a reflecting surface, the surface of said socket being clear to admit light rays therethrough and through said glass body to said re-



flecting surface, and a glass sphere of different color from said glass body removably seated in and completely filling said socket and constituting an objective through which said light rays from the front pass to said reflecting surface.

2,084,600
AUTOMOBILE DOOR CONSTRUCTION
John W. Sparkman, Birmingham, Ala.
Application September 14, 1936, Serial No. 100,653
4 Claims. (Cl. 296—44)

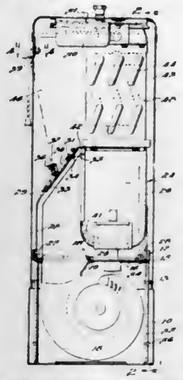


1. An improved door arrangement for a vehicle body having front and rear seats, comprising a main door hinged at its rear edge and disposed to give free access to the rear seat and partial access only to the front seat, a supplemental door hinged at its forward edge opposite the lower portion of the first mentioned door and adapted when closed to abut said main door and when opened to enlarge the lower forward portion of the main door opening where needed to afford complete access to the front seat, and a common door frame providing an uninterrupted opening for the reception of said doors having its forward edge angled to follow the forward non-abutting edges of said doors.

2,084,601
AIR CONDITIONING UNIT
Allen C. Staley, Birmingham, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 27, 1936, Serial No. 61,022
4 Claims. (Cl. 257—138)

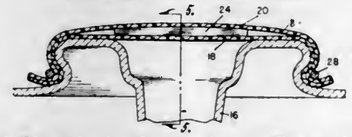
1. An air conditioning unit including a casing having spaced air inlet and outlet openings, a heat transfer member in said casing adjacent said outlet opening, a by-pass passage laterally adjacent said member for conducting air around said member as it flows from one of said openings to the other, a blower discharge chamber aligned vertically with said member and said passage having a tank therein aligned vertically with only said member, and a blower having an outlet opening into said discharge chamber and

spaced from the inlet ends of said member and passage and so disposed as to discharge air in a



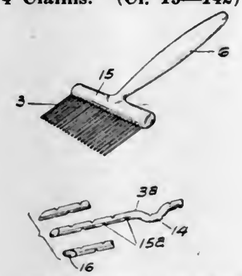
course laterally adjacent said tank and directly toward the inlet of said by-pass passage.

2,084,602
COFFEE MAKER FILTER
Frederick Stocker, Chicago, Ill., assignor to National Stamping & Electric Works, Chicago, Ill., a corporation of Illinois
Application September 8, 1936, Serial No. 99,768
3 Claims. (Cl. 210—162)



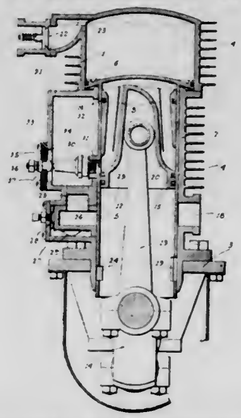
1. A filter device for use in a coffee making apparatus, comprising a pair of cloth filter discs adapted to lie in a horizontal plane, a bridging insert between said discs, said bridging insert being of narrow width, thereby leaving the major portion of the cloth discs open for quick flow of liquid from one side to the other of the filter device, said insert being of less length than the diameter of said discs, whereby the portions of the discs beyond the ends of the inserts remain flexible for mounting purposes, said insert being sufficiently thick to hold the portions of the discs adjacent the insert spaced from each other, and means for securing the peripheries of said discs together to form a unitary device.

2,084,603
COMB CLEANER
Shirley True, Los Angeles, Calif.
Application April 24, 1936, Serial No. 76,246
4 Claims. (Cl. 15—142)



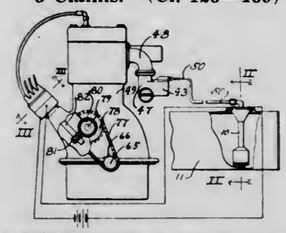
1. A comb cleaner comprising a row of teeth consisting of rods which are furnished with a multiplicity of laterally spaced scorings comprising V-shaped notches located in only two opposite sides of each rod, the scorings on one side being in a staggered relation to those on the opposite side of the tooth, said rods being arranged so that the notches in adjacent rods face each other and a handle member for said teeth.

2,084,604
GAS ENGINE
Emmitt M. Tucker, Sacramento, Calif.
Application July 30, 1934, Serial No. 737,581
5 Claims. (Cl. 123—50)



1. A two cycle engine comprising an outer piston and an inner piston slidable therein, said pistons being arranged for reciprocation in opposite directions simultaneously and having heads on one end to form an enclosed chamber for mixture therebetween, a fixed cylinder in which the outer piston is slidable, said piston having an intake port in one side uncovered by the inner piston when said pistons are in a certain position relative to each other, a passage saddle block mounted in and separate from the cylinder open to and engaging a portion of the periphery of the outer piston and positioned to register with said port when the pistons are in said certain position, means holding the block against the outer piston with a predetermined pressure, and a mixture intake passage member communicating with the interior of the block.

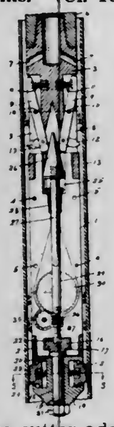
2,084,605
ELECTRIC FUEL PUMP
Edmond F. Webb, Royal Oak, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application October 28, 1933, Serial No. 695,646
Renewed July 3, 1936
5 Claims. (Cl. 123—139)



1. In a vehicle having an internal combustion engine provided with a fuel system including fuel feeding means adjacent said engine and a fuel supply tank remote therefrom; apparatus for

supplying fuel under pressure from said fuel tank to said fuel feeding means including a pump unit in said fuel tank having a magnetically operable fuel displacing element and an electromagnetic member for operating said element, a commutator remote from said fuel tank having a stator member and having a rotor member operatively connected with a rotative part of said engine, one of said members having a plurality of contact elements for engaging the other member, some of said contact elements being of different lengths and asymmetrically arranged to cause said fuel displacing element to perform one effective stroke per contact element during each revolution of said rotor member at cranking speeds of said engine and to cause said fuel displacing element to perform less than one effective stroke per contact element during each revolution of said rotor member at normal running speeds of said engine, and a circuit including a source of electric power and connecting said electro-magnetic member and said contact elements, all portions of said circuit within said fuel tank and in the vicinity thereof being permanently closed.

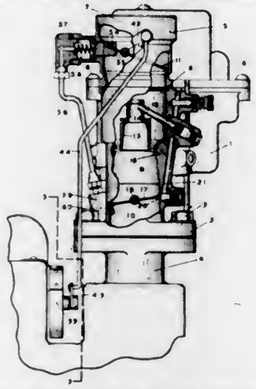
2,084,606
INSIDE PIPE CUTTER
Robert D. Brannon, Sulphur, La., and Hall G. Moore, Beaumont, Tex.
Application September 19, 1935, Serial No. 41,268
5 Claims. (Cl. 164—0.7)



1. An inside pipe cutter adapted to cut by rotation and comprising a cutter body, an outwardly movable cutter associated with the body, a mandrel operative against the cutter and movable into one position to effect outward movement of the cutter and into another position to release the cutter, means for moving the cutter inwardly to inactive position upon such release, gearing on the body, means gripping the pipe to be cut and effective to operate the gearing upon rotation of the body and a connecting rod between the gearing and mandrel through which the mandrel is alternately moved to active or released positions.

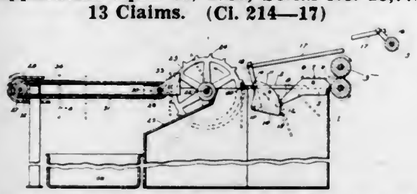
2,084,607
AUTOMATIC CHOKE FOR CARBURETORS
George M. Bicknell, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application March 25, 1933, Serial No. 662,755
6 Claims. (Cl. 261—55)

2. In a carburetor, means forming a mixing conduit, a suction operable choke valve controlling the admission of air to said mixing conduit and having a recess, a throttle valve controlling the discharge of mixture from said conduit, and an auxiliary air admitting valve



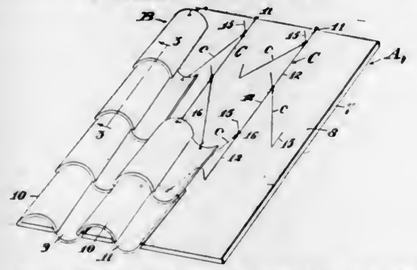
controlling said recess and constructed and arranged to be controlled by suction posterior to the throttle for admitting air to said mixing conduit independent of the position of said choke valve.

2,084,608
DIPPING MECHANISM FOR BATTERY GRIDS
Joseph Chernof, Chicago, Ill., assignor of one-third to A. B. Levitt, Chicago, Ill., and one-third to Arthur Mayer, Detroit, Mich.
Application April 29, 1935, Serial No. 18,772
13 Claims. (Cl. 214—17)



11. A dipping mechanism for battery grids comprising a tank, opposed guides for delivering grids into said tank and from which said grids are adapted to hang by their lugs, lifting means having opposed like elements spaced apart unobstructedly the width of a grid or the distance between its lugs, whereby said elements are adapted to raise and suspend said grids by their lugs, and conveying means adapted to receive said grids from said lifting means.

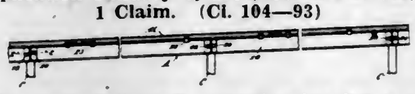
2,084,609
TILE ROOF CONSTRUCTION
Thomas D. Corcoran, Los Angeles, Calif.
Application February 11, 1936, Serial No. 63,334
3 Claims. (Cl. 108—10)



2. A tile supporting runner comprising a series

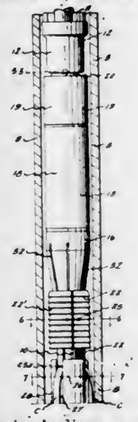
of sections arranged in linked interconnection, and a tile engaging member at the interconnection of adjacent sections formed integral with one of the sections.

2,084,610
MONORAIL TRACK SUPPORT
De Clermont Dunlap, Newark, N. J.
Application January 3, 1934, Serial No. 705,056
1 Claim. (Cl. 104—93)



In a monorail track support, a bracket, a vertical flange carried by said bracket formed with an elongated slot, a track girder, a single bolt extending through said girder and through said elongated slot and relatively to which said girder is adapted to be swung radially of the bolt to adjust its inclination to the horizontal on initially affixing one end of the girder to a bracket, said slot being formed with a straight bottom wall, and a shoulder on said bolt seating on said wall to afford a broad bearing surface between said bolt and said flange.

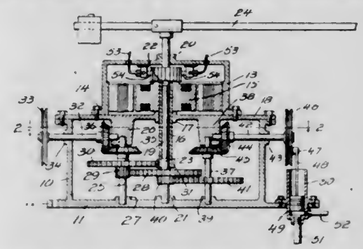
2,084,611
PACKER
Charles S. Crickmer, Dallas, Tex.
Application July 23, 1936, Serial No. 92,233
11 Claims. (Cl. 166—12)



1. A well packer including, a mandrel, a packing element surrounding the mandrel, a cone slidable on the mandrel for supporting the packing element, means for distorting the element into packing position, and means for frictionally clamping the cone to the mandrel after the packing element has been set, whereby said element is retained in its set position.

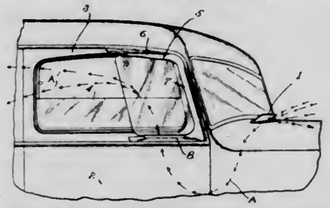
2,084,612
PORTABLE ELECTRIC GENERATOR
Alexis C. Engelheart, Memphis, Tenn.
Application August 4, 1936, Serial No. 94,238
2 Claims. (Cl. 171—252)

1. In a device of the class described, a housing, an electric generator mounted on the housing, a vertical shaft journaled in bearings in the ends of the housing and extending through and above the armature of the generator, a sweep secured to the upper end of the shaft, means supporting the armature of the generator for rotary movement independently of the vertical shaft, a sleeve surrounding the shaft and extending into the housing, the armature of the generator being fixed to the sleeve, vertical countershafts mounted in the housing at opposite sides of the first named vertical shaft, horizontal shafts journaled in the housing and geared to the countershafts,



a step up gearing connecting one of the countershafts to the first named vertical shaft and to the sleeve for rotating and armature of the generator at a greater speed than the speed of the first named vertical shaft, a step down gearing connecting the first named vertical shaft with the other countershaft, and means on the horizontal shafts for transmitting power from the shafts.

2,084,613
VENTILATOR CONSTRUCTION
Joseph J. Foley, Chicago, Ill.
Application July 28, 1933, Serial No. 682,564
3 Claims. (Cl. 296—84)

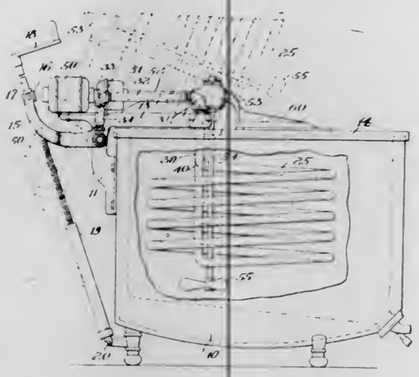


1. A ventilator construction for automobiles comprising a window frame, a window vertically slidable therein, a transparent panel, and means for mounting said panel adjacent and outside the plane of said window so as not to interfere with the sliding movement of the window, said mounting means comprising a unitary three-sided frame including a top side, a bottom side and a front side, said top and bottom sides being in general triangular and tapering from rear to front, the front side extending between apices of the triangular top and bottom sides and being unitary with respect to said top and bottom sides, said top, bottom and front sides extending along and in substantially weather-tight relation with respect to the top, bottom and front sides, respectively, of the window frame, said transparent panel being mounted in substantially weather-tight relation with respect to all three of the sides of said unitary frame.

2,084,614
LIQUID TREATING APPARATUS
Rudolph F. Goecke, Elyria, Ohio, assignor to The Pfaudler Co., Rochester, N. Y., a corporation of New York
Application May 31, 1934, Serial No. 728,364
Renewed May 10, 1937
2 Claims. (Cl. 257—106)

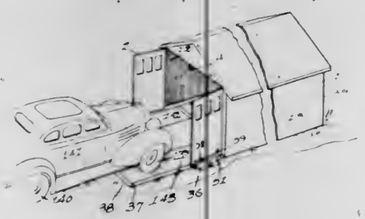
1. A device for treating liquids, comprising a container, a cover therefor swinging about an

axis to open and close the same, a rotatable hollow thermal treatment coil mounted on and swinging with said cover to swing into and out of said container, means to rotate said coil, fixed connections mounted on said cover and swinging



therewith to convey thermal treatment fluid to and from said coil, and stationary connections coaxial with said axis to supply and receive thermal treatment fluid to and from said fixed connections.

2,084,615
GARAGE DOOR
Joseph Gilles Guertin, Amelia, Ohio
Application March 24, 1936, Serial No. 70,640
2 Claims. (Cl. 268—35)



1. A garage having a platform extending from within said garage to a point in front of its front wall and having a pair of doors mounted on its front wall, said platform adapted to support an automobile, each of said doors being pivotally mounted at its top and bottom, a rotatable cam operatively connected with the lower pivot of each of said doors, and rotation of said cam in one direction being adapted to effect movement of said door and open said door, the front end of said platform being adapted to move downwardly when the front wheels of said automobile are thereon, means operative by the downward movement of the front end of said platform to cause rotation of said cams to effect opening of said doors before said automobile reaches said garage, and means operative by the weight of said automobile, and which prevents operation of said means operative by the downward movement of the front end of said platform, whereby said doors cannot be opened by downward movement of the front end of said platform and auxiliary means to assist opening of said doors when said front end of said platform is forced downwardly before said automobile reaches said garage.

2,084,616
FLEXIBLE ARMORED ELECTRIC CABLE
Gustave A. Johnson, Irvington, N. J., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application July 25, 1930, Serial No. 470,610
1 Claim. (Cl. 173—267)



An electrical cable of the class described, comprising an insulated conductor constituting a live wire, a flexible, helical metal armor closely surrounding the insulated live-wire conductor, and a bare neutral or return conductor disposed helically between the armor and the insulated conductor and in intimate electrical contact with the former, said return conductor comprising a multiplicity of elements distributed about the insulated conductor.

2,084,617
OFF-CENTER SWITCH HOOK
Floyd Virgil Kehl, Indianapolis, Ind.
Application July 3, 1936, Serial No. 88,745
1 Claim. (Cl. 81—3)

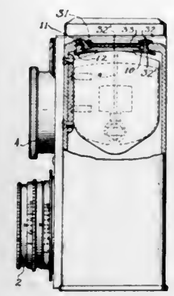


A switch hook comprising a pole, and a hook carried on one end thereof, a shank on the hook contacting a side of the pole, means permanently securing the shank in rigid position on the pole, and said hook being offset laterally and longitudinally from the pole end and having an approximately corkscrew single turn, said means comprising pole gripping members having offset portions receiving said shank therethrough.

2,084,618
PHOTOELECTRIC EXPOSURE METER
Heinz Küppenbender, Dresden-A, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application February 8, 1936, Serial No. 62,984
In Germany February 11, 1935
2 Claims. (Cl. 116—129)

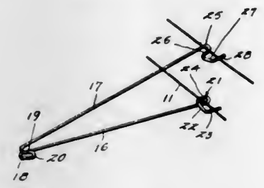
1. An exposure meter, having a housing, a pointer movable in accordance with the intensity of the light acting on the exposure meter, a calibrated dial in respect of the calibrations of which said pointer is movable, a screw accessible from the exterior of the housing and having an eccentric pin projecting from

an end face of the screw, the dial being provided with a transverse slot into which said pin



projects, whereby upon rotation of said screw, a longitudinal displacement of the dial is effected.

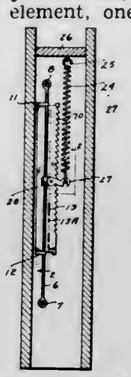
2,084,619
FENCE GUARD
Edgar A. Love, Darlington, Ind.
Application July 25, 1936, Serial No. 92,671
1 Claim. (Cl. 256—3)



A wire supporting means comprising a V-shaped member, a pair of reverted U-shaped securing means carried by each divergent end of the member, a free leg of one U-shaped securing means at the divergent ends of the member being disposed in a plane laterally of and parallel to the adjacent leg of said one securing means whereby to bind a wire strand therebetween to thereby frictionally hold said member against longitudinal movement relative to said wire strand, and a U-shaped wire securing means integral with the convergent end of the member, said U-shaped securing means having the free legs thereof directed outwardly of the convergent end of the member.

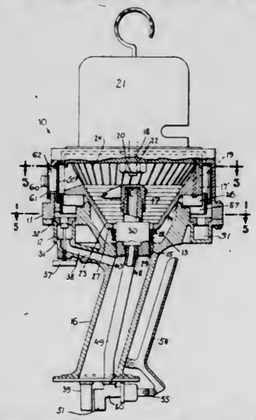
2,084,620
DOUBLE HUNG WINDOW SASH AND FRAME CONSTRUCTION
Edwin Moll, Portland, Oreg.
Refiled for abandoned application Serial No. 700,229, November 29, 1933. This application August 12, 1936, Serial No. 95,642
2 Claims. (Cl. 16—197)

1. A sash balance for association with the post of a window frame having a pulley receiving recess in one side of the post and a slit extending through the wall and longitudinally of the post and recess, said sash balance comprising a guide secured at its ends to the post, a slide movable relative to the guide, said slide having pairs of spaced slits therein and a toothed edge, a bracket adjustably secured within the spaced slits, a sash cord pulley removably attached to the bracket, a hook cooperating with the toothed edge of the slide to adjustably secure the hook on said slide, and a reacting element, one end of which is



secured to said hook, the other end being adapted to be secured to the window frame.

2,084,621
SPRAYING DEVICE
Edward O. Norris, Greenwich, Conn., assignor to The Norris Painting Machinery Corporation, Inc., New York, N. Y., a corporation of New York
Application September 5, 1930, Serial No. 479,900
22 Claims. (Cl. 299—63)



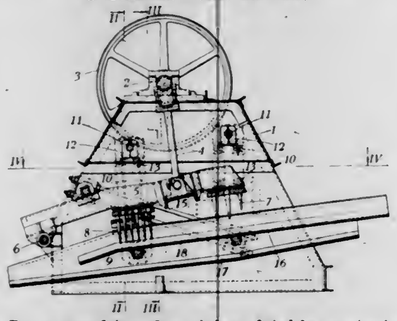
7. In a device of the class described a revolving circular distributor, a circular casing enclosing the distributor said casing having an opening for fluid ejection, an arcuate gate operative at the opening, said gate being provided with a flange which is in close contact to the distributor to prevent air suction into the device.

14. A spraying device comprising a centrifugal distributor, stationary means surrounding the major portion of the periphery of the distributor and formed with a discharge opening at one side of the device, and an outwardly-extending member carried by said stationary means at the rear edge of said opening in the direction of rotation of the distributor and extending in the direction of the discharge spray, and providing a guide for the rear edge of the spray.

16. A spraying device comprising the combination with a casing having a wall, of a hollow rotatable distributing device within the casing, means for supplying fluid to be distributed to the interior of the distributing device, means in the distributing device for enabling the device to

swirl the fluid against the said wall of the casing, a drainage channel at the bottom of the said casing, a hollow stem supporting the casing, and a pipe connecting the said hollow stem with the said drainage channel, the said pipe being adapted to drain fluid collected in the drainage channel into the hollow stem.

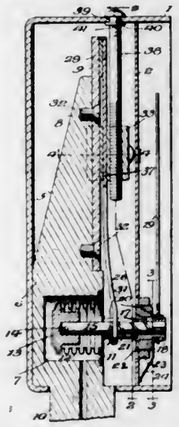
2,084,622
OSCILLATING TABLE COAL BREAKER
Bertram Norton, Claverley, England
Application October 25, 1933, Serial No. 695,185
In Great Britain March 27, 1933
3 Claims. (Cl. 83—52)



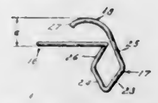
3. In a machine for sizing friable material, a pivoted frame, sets of preliminary and sizing picks carried thereby, of which the preliminary picks are spaced relatively far apart, and the sizing picks are arranged in rows of number and with inter-row spacing as to effect the formation of coal pieces of desired size, means located above and connected to said frame for rocking the frame about a horizontal axis, an oscillatable conveyor table having its surface formed with two imperforate parts and a perforated part located between the two imperforate parts, means for oscillating said table so that it can convey material beneath said picks, said material being caused to pass from one of said imperforate parts over said perforated part to the other of said imperforate parts, and means including the first and the second means aforesaid for synchronizing the rocking movement of the frame and the oscillating movement of the table, the arrangement being such that the table is substantially at the end of its rearward stroke when the frame is in its lowermost position, that said preliminary picks strike material on one of said imperforate parts and that small material, formed by said preliminary picks, passes through said perforated part while said sizing picks strike material that reaches the other imperforate part.

2,084,623
FLUID PRESSURE GAUGE
Reginald J. S. Pigott, Pittsburgh, Pa., assignor, by mesne assignments, to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application July 15, 1932, Serial No. 622,719
7 Claims. (Cl. 73—110)

7. A fluid pressure gauge comprising a bellows expanding and contracting linearly with variations of pressure thereon, a closed chamber surrounding the bellows and in communication with a source of fluid pressure, a motion transmitting member directly connected to the bellows and being actuated thereby and moving equal distances for equal increments of pressure, indicating mechanism positively actuated by the motion transmitting member and adapted to give equal increments of deflection for equal movements of the said member, a leaf spring directly engaging said motion transmitting member and having a section free to bend, the spring restraining the movement of said member so that equal increments of motion are imparted to the indicating mechanism for equal increments of pressure applied to the bellows and means for adjusting the effective length of the spring comprising adjustable clamping means closely fitting the spring and blocking off and holding a section of the spring firmly against pivotal deflections and leaving said other section free to bend, said clamping means being adjustable longitudinally with respect to the spring, so that the gauge can be adjusted to indicate pressures over different ranges.



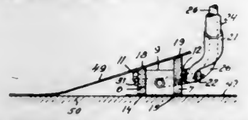
2,084,624
FASTENER
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application November 14, 1935, Serial No. 49,854
12 Claims. (Cl. 20—74)



3. A wire stud fastener comprising a head of rectangular form, a shank carried by a single leg depending from said head, said shank being in the form of a substantially closed loop, and an arm projecting from said shank over said head, said arm being yieldable toward and from said head.

2,084,625
METHOD AND APPARATUS FOR LAYING SHEET MATERIAL
John D. Stebbins, New York, N. Y., and Frank W. Yeager, Cliffside Park, N. J., assignors to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application November 21, 1933, Serial No. 699,086
10 Claims. (Cl. 154—42)

1. A device for uniting overlapped edges of sheet material comprising a housing adapted to be moved between the overlapping edges of the sheet material, means within the housing for supplying heat thereto, and operating means attached to the housing and extending therefrom outwardly and upwardly from between the overlapping edges of the sheets.

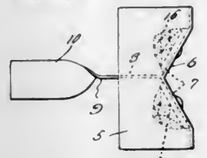


10. The method of joining edge portions of sheet material which upon the application of heat thereto become cementitious, which comprises assembling sheets of said material with their edge portions in overlapping and underlapping relation, continuously and progressively separating the overlapped and underlapped portions of said sheets and supporting the separated edge portion of the overlapping sheet out of contact with the edge of the underlapping sheet, continuously and progressively heating at least one of said separated portions and continuously and progressively pressing the portions which have been separated into engagement with each other while another portion of the overlapping sheet is separated from the underlapping sheet and at least one of the separated portions is being heated.

2,084,626
UNSATURATED ALKYLENE AMIDES AND UREIDES OF POLYHYDROXY ALIPHATIC ACIDS
Donalee L. Tabern, Lake Bluff, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application May 27, 1935, Serial No. 23,719
6 Claims. (Cl. 260—124)

1. An unsaturated compound which is a member of the group consisting of alkylene amides and alkylene ureides of polyhydroxy aliphatic carboxylic acids containing more than two hydroxyl groups.

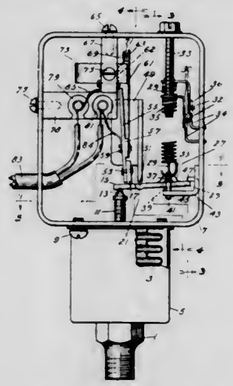
2,084,627
TELLTALE FOR AUTOMOBILE HEADLIGHTS
Jesse Lawrence Cabral, Eastondale, Mass.
Application June 10, 1936, Serial No. 84,549
2 Claims. (Cl. 88—81)



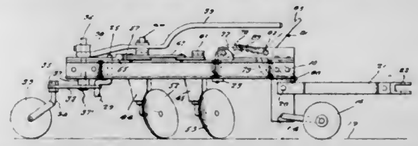
1. An attachment for automobiles comprising a bracket member provided at one end with means adapted to be attached to a selected part of an automobile, a plate mounted on the free end of the bracket and extending laterally of the bracket on both sides thereof, said plate having one longitudinal edge provided with a substantially V-shaped notch and a V-shaped flange depending from the sides of the notch, and reflector buttons mounted on the flange beneath said plate and disposed at opposite sides of the bracket.

2,084,628
CIRCUIT CONTROLLING APPARATUS
Frank O. Cole, Detroit, Mich., assignor, by mesne assignments, to Timken-Detroit Axle Company, a corporation of Ohio
Application March 13, 1935, Serial No. 10,958
4 Claims. (Cl. 200—83)

1. In a control device, in subcombination, a lever mounted for rocking movement under the influence of an actuating element, resilient means connected to said lever and urging it in one direction against the action of said actuating element; stop means for limiting movement of said lever under the influence of said resilient means; an apertured member associated with said parts and through which said lever extends with a predetermined degree of lost motion; a spring connected to said member and urging it in such a direction as to oppose the action of said actuating element when said lost motion is taken up; and means for preventing said lost motion from being taken up when said lever is under the influence of said stop means.



2,084,629
REVERSIBLE DISK PLOW
Anthony Robert Coviello, Tulare, Calif.
Application August 24, 1936, Serial No. 97,713
4 Claims. (Cl. 97—31)



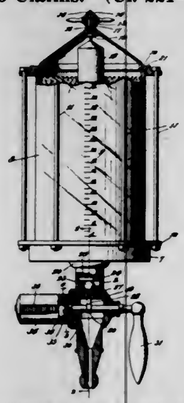
1. A cultivator of the character described, said cultivator comprising a frame including supporting wheel means, a tail wheel, and a cultivator disk supporting beam, first means pivoting the rear part of said beam to a rear part of said frame, and second means for swinging said beam to one side or the other of said frame, said beam including cultivator disks, rotary shafts carrying said disks on said beam, link means connecting said rotary shafts for simultaneous and similar rotation relative to said frame and said beam.

2,084,630
TREATMENT OF SILICATE ORES AND/OR THE LIKE
Camille Deguide, Aisemont-Lez-Fosses, Belgium, assignor to Société de Recherches et d'Applications Chimiques (Sorac), Societe Anonyme, Brussels, Belgium
No Drawing. Application August 8, 1936, Serial No. 95,019. In Great Britain June 17, 1936
2 Claims. (Cl. 23—24)

1. A process of treating a silicate ore containing silica and oxide of zirconium, which com-

prises the steps of calcining the ore in the presence of a barium compound so as to produce dibarium silicate and barium metazirconate whilst avoiding a fusing of the mass, treating the product obtained to form sodium silicate in solution, with barium metazirconate and barium carbonate as a residue, calcining the latter to convert the barium metazirconate into barium orthozirconate.

2,084,631
BEVERAGE DISPENSING MECHANISM
David E. Dobyns, Oklahoma City, Okla.
Application January 17, 1935, Serial No. 2,273
5 Claims. (Cl. 221—112)



1. A liquid-dispensing apparatus comprising a measuring vessel, a coupling depending therefrom, a nipple on the coupling to be connected with a source of supply, a faucet depending from the coupling, a cam within the faucet, a valve in the coupling arranged to be unseated by the cam, a check valve in the nipple, and a member carried by the first-mentioned valve and acting on the check valve to unseat the same when the first-mentioned valve is seated.

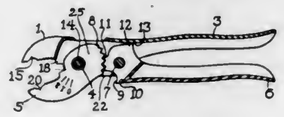
2,084,632
HYDROGENATED NAPHTHA SOAP GELS AND METHOD OF MAKING SAME
Carleton Ellis, Montclair, N. J., assignor to Standard-I. G. Company
No Drawing. Application April 25, 1933, Serial No. 667,830
4 Claims. (Cl. 87—5)

1. A semi-fluid detergent composition in gel form consisting essentially of a water-soluble soap, incorporated in from about 1 to 50 parts by weight of a solvent consisting of hydrogenated petroleum naphtha boiling within the range from about 300 to about 550° F.

3. A method of making semi-fluid detergent compositions which comprises admixing a water-soluble soap with from about 1 to about 3 parts of a solvent consisting of hydrogenated petroleum naphtha boiling within the range from about 300° F. to about 550° F., heating the mixture until the soap is dissolved and thereafter cooling the solution.

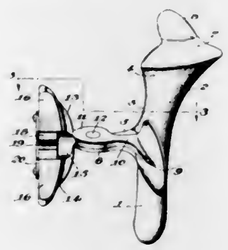
2,084,633
ADJUSTABLE PLIERS
Carl Arvid Erickson, Brooklyn, N. Y.
Application January 31, 1935, Serial No. 4,372
In Sweden April 15, 1933
5 Claims. (Cl. 81—46)

2. Adjustable pliers or similar tools of the character described, comprising in combination, a gripping jaw rigid with one handle of the tool forming together a rigid jaw and handle assemblage, a movable gripping jaw pivoted at the root of said first jaw and having a toothed sector partially rotatable about the pivotal mounting of said movable jaw, a movable handle for moving said movable jaw pivoted to the first handle adjacent to the pivotal mounting of the movable jaw and having a toothed sector partly rotatable with said movable handle about the pivotal mounting thereof, means limiting the movements of said movable handle to a range of movement in which the sector thereof meshes with the sector of the movable jaw and to one extreme position where-



in said movable handle is swung outward from the first handle and the teeth of its sector clear the sector of the movable jaw and allow the latter to be shifted at will to any one of a plurality of different positions in which the sector of the movable handle will engage the teeth of the movable jaw sector upon swinging said movable handle toward closed position, and a stop member upon the movable handle adjacent to the sector thereof adapted to engage against the movable jaw in the extreme open position of said movable handle in order to prevent said movable jaw from being turned to closed position with respect to the first or fixed jaw while said movable handle remains in open position.

2,084,634
ARCHERY DEVICE
Godfrey Flury, Austin, Tex.
Application January 31, 1935, Serial No. 4,408
Renewed May 12, 1937
4 Claims. (Cl. 273—107.5)



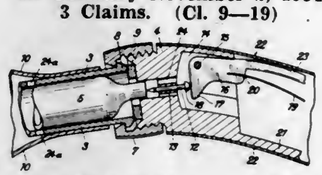
1. An archery device comprising a hand grip, a plate having a neck pivotally connected therewith, a string-engaging member carried on the opposite side of the pivot by said neck and being provided with a groove facing the plate and the grip for receiving a bow string, said string-engaging member having a resilient arrow-engaging portion, said plate and said string-engaging member being shiftable by the release of the fingers of the hand, and an anchor device at one end of said grip having a contour adapted to engage the jaw of the archer.

2,084,635
DISPLAY DEVICE
Charles Friedrich and Harry P. Wareham, Jr., Rochester, N. Y., assignors to E. E. Fairchild, Corporation, Rochester, N. Y., a corporation of New York
Application January 12, 1937, Serial No. 120,308
10 Claims. (Cl. 40—126)



1. A display device including walls in connection at one side and arranged at an angle to one another forming an open front for displaying a bottle or other article, and display wings carried by said walls at opposite sides of the open front and adapted to be folded over each other at the open front to permit the display device and its contents to be packed in a container, said wings being hinged to said walls in a manner to spring away from one another whereby when the display device is removed from the container the wings will open automatically to display position without manual manipulation.

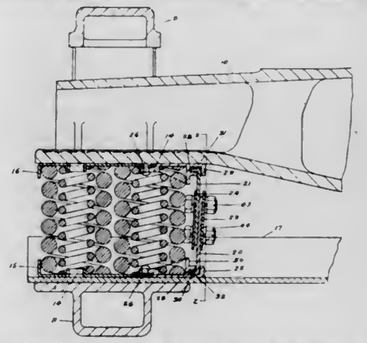
2,084,636
LIFE OR SWIMMING BELT
Julius Fromm, Berlin-Schlachtensee, Germany
Application November 1, 1935, Serial No. 47,819
In Germany November 2, 1934
3 Claims. (Cl. 9—19)



1. In an inflatable swimming and life belt, in combination, a hollow belt proper consisting of an air-tight material; a tubular capsule provided with an open end, inserted air-tight into the one end of said belt and positioned with the open end adjacent the end of the belt; a cartridge containing a compressed gas; a destructible stopper closing the discharge end of said cartridge, said cartridge being inserted into said capsule, the discharge end of the cartridge being located at the open outer end of the capsule; a closure piece inserted air-tight into the other end of the said belt; a member suited for destroying the stopper of the said cartridge being located in said closure piece; and means for connecting both ends of the belt with one another securely, air-tight, and detachably.

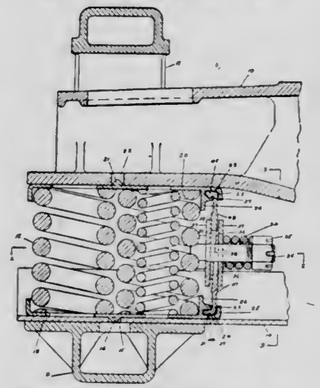
2,084,637
RAILWAY SNUBBING DEVICE
Ernest G. Goodwin, Pelham, N. Y., assignor to Graham-White Sander Corporation, Roanoke, Va., a corporation of Virginia
Application April 2, 1934, Serial No. 718,700
27 Claims. (Cl. 267—9)

1. An assembly for use in a snubber, comprising a pair of friction plates having surface contact and a pair of spring holding plates connected to move together and receiving between them the two friction plates, retaining means loosely interlocking the four plates so that as the two friction plates are moved, with respect to each



other, the frictional sliding engagement will be between the friction plates only for a chosen amount and this will be followed, upon additional movement of the friction plates, by frictional sliding engagement between the two plates and one or both of the spring steel plates.

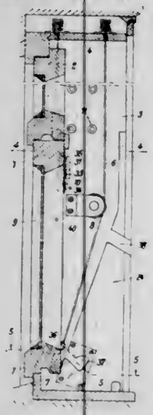
2,084,638
WEDGE SNUBBING DEVICE
Ernest G. Goodwin, Pelham, N. Y., assignor to Graham-White Sander Corporation, Roanoke, Va., a corporation of Virginia
Application June 19, 1934, Serial No. 731,331
16 Claims. (Cl. 267—9)



1. In a vehicle having associated sprung and unsprung parts, the combination of a hanger movable with the sprung part, a support on the unsprung part, and a snubbing unit connected to the hanger and to the support, said unit comprising relatively movable friction plate members, a plurality of said members each having a plurality of friction snubbing surfaces, a plurality of said members each having a single snubbing surface, said last mentioned members being spring plates oppositely bowed away from the other members in their disassembled state, some of the surfaces on the first mentioned members cooperating with each other and the other surfaces cooperating with said single snubbing surfaces, all of said cooperating surfaces having upper and lower edges and being in substantial registration whereby the edges of each pair of contacting surfaces pass and repass each other

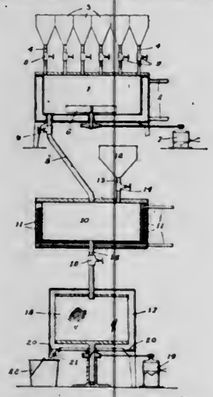
during snubbing thereby preventing the formation of shoulders on the friction surfaces, and means for resiliently clamping said bowed members having a single snubbing surface against the other members to create approximately equal pressure over the entire contacting area of each pair of snubbing surfaces.

2,084,639
SASH WINDOW
Konstantin Grons, Berlin-Charlottenburg, Germany, assignor to the firm Simplex-Schiebefenster G. m. b. H., Berlin-Schoneberg, Germany
Application June 5, 1936, Serial No. 83,771. In Germany June 19, 1935
4 Claims. (Cl. 20—42)



1. In a sash window in combination a slidable window sash, sash cords attached at the bottom edge of the window sash, catch hooks pivoted to the sides of the window sash and adapted to bear against the sash cords, levers pivoted to the sides of the window sash and capable of being moved by hand for moving the catch hooks out of their operative position and spring snap catches for releasably securing the levers.

2,084,640
PROCESS OF PREPARING CUSTARD FILLING
Iphus Harvey Hall, Winnipeg, Manitoba, Canada
Application June 21, 1935, Serial No. 27,809
4 Claims. (Cl. 99—139)

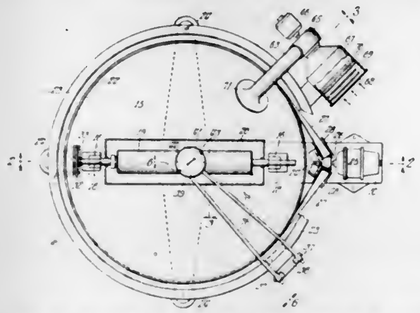


1. The process of preparing custard filling which comprises dissolving sugar into milk at boiling temperature, adding an alkaline ingredient to produce a basic mixture, neutralizing the mixture by the addition of gelatine, cooling the solution to approximately blood heat, adding egg meats and subsequently disintegrating the resultant to a homogenized compound.

2,084,641
PROCESS OF PREPARING DYESTUFFS OF THE ANTHRACENE SERIES
Josef Haller, Leverkusen-Wiesdorf, Germany, assignor to Durand & Huguenin A. G., Basel, Switzerland, a corporation of Switzerland
No Drawing. Application September 26, 1934, Serial No. 745,648. In Germany October 19, 1933
10 Claims. (Cl. 204—9)

1. A process of oxidizing a 9.10 leuco sulfuric acid ester of a beta amino anthraquinone containing a free alpha position to the corresponding anthraquinone azine, which comprises passing an electric current through an aqueous alkaline solution containing said ester in the presence of a substance normally capable of oxidizing the said ester to form the corresponding azine, said substance being used in an amount which if taken alone would be insufficient to cause complete oxidation of said ester to the azine.

2,084,642
APPARATUS FOR COATING PRINTING CYLINDERS
Charles L. Henderson, Appleton, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
Application October 24, 1935, Serial No. 46,506
14 Claims. (Cl. 91—42)

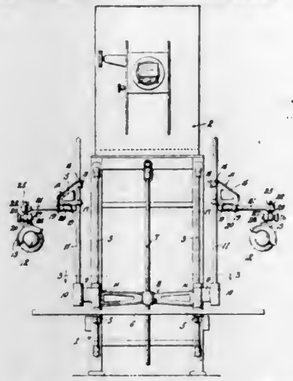


1. In an apparatus for coating printing cylinders with a sensitized resist solution, the combination of a revoluble table mounted on a vertical axis, means for rotating said table, means for supporting a horizontal cylinder rotatably on said table, means for pouring the coating solution on said cylinder as said table rotates, and means for rotating said cylinder on its longitudinal axis during the pouring operation.

2,084,643
LAMP MOUNTING FOR PHOTO-COPY MACHINES
John J. Johnson, Dallas, Tex.
Application August 6, 1935, Serial No. 35,017
1 Claim. (Cl. 240—1.3)

In combination with the copy board of a photo-copy machine, heads on the board and movable therewith, rods having their lower ends rotatably engaged in the heads, frames swingably

and vertically adjustable on the rods, horizontally disposed arms adjustably connected with the frames and having heads on their outer ends, clamping devices each comprising a pair of



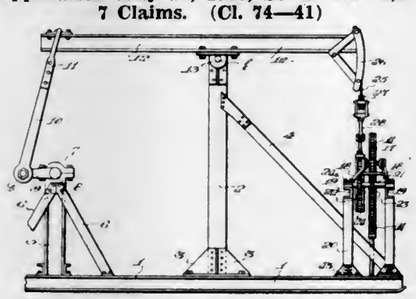
plates, one plate of each pair having shanks thereon for rotatable adjustment in the heads of the arms, lamp hoods fixed to the other plates and clamping screws connecting the plates for holding same in adjusted positions.

2,084,644
ABRASIVE COMPOUND AND MEANS FOR UTILIZING SAME
Jason D. Kinsley, Cedar Rapids, Iowa
Application December 4, 1931, Serial No. 578,870
9 Claims. (Cl. 32—19)



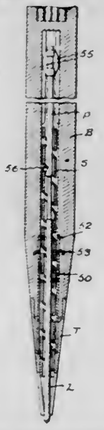
1. An abrasive bite-rim composition comprising a mixture of gum damar, beeswax, gum tragacanth, French chalk and abrasive material, said mixture being solid at temperatures of 108 degrees F. and lower and becoming increasingly softer at temperatures above 108 degrees F. to a point of fluidity.

2,084,645
WELL PUMP
Edward A. Kliewer, Longview, Tex.
Application May 22, 1936, Serial No. 81,179
7 Claims. (Cl. 74—41)



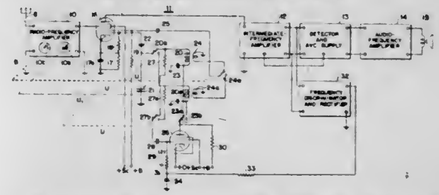
1. In a well pumping apparatus, a primary rack bar having connection with the pump rods in said well, gears disposed on shafts and on either side of and operatively engaging the teeth of said primary rack bar, gears of lesser ratio than said first gears and affixed on the shafts of said first gears, a secondary rack bar for actuating said latter gears and means for reciprocating said secondary rack bar for similarly moving said first rack bar, thereby to effect reciprocation of said pump rods.

2,084,646
PENCIL
John P. Lynn, Sycamore, Ill., assignor to Dur-O-Lite Pencil Company, Melrose Park, Ill., a corporation of Delaware
Application May 15, 1934, Serial No. 725,756
10 Claims. (Cl. 120—18)



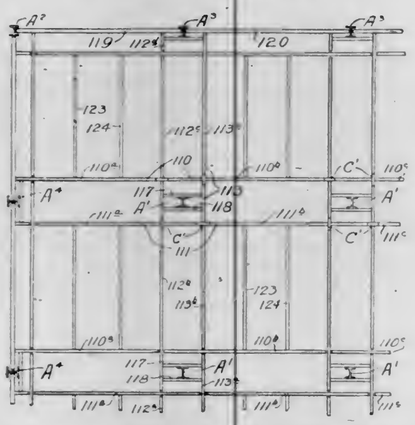
4. A pencil plunger consisting of a body and a thread projection formed thereon, extending over only substantially one half of the circumference of the body, said projection being formed outside of the body without reducing the cross sectional area of the body at any point, and constituting the sole projection beyond the periphery of the body.

2,084,647
AUTOMATIC FREQUENCY CONTROL
William A. MacDonald, Little Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application September 4, 1936, Serial No. 99,335
16 Claims. (Cl. 250—20)



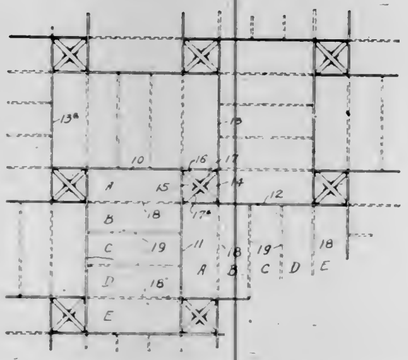
1. A multi-band modulated-carrier signal receiver comprising means including frequency-changing means adjustable to select any one of a plurality of frequency bands and tunable over the selected band to derive, from any desired signal within said band, an intermediate-frequency modulated-carrier signal normally of a predetermined frequency but subject to deviations within narrow limits, means independent of the tuning of the first said means to select a desired signal for adjusting the frequency derived by said frequency-changing means over a predetermined narrow range to minimize said deviations, and means responsive to operation of the band-adjusting means for varying said range of frequency adjustment in accordance with the mean frequency of the band selected.

2,084,648
STEEL FLOOR CONSTRUCTION
Abram MacMillan, Chicago, Ill.
Application March 24, 1934, Serial No. 717,179
17 Claims. (Cl. 189—34)



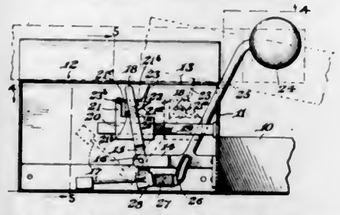
10. A steel floor construction supported on columns, said construction comprising a group of four girders spaced from a supporting column and arranged about the same to form a parallelogram, one end of each girder terminating at a point intermediate another girder of the group and secured thereto, and means for supporting said girders on the column within the parallelogram.

2,084,649
STEEL FLOOR AND COLUMN CONSTRUCTION
Abram MacMillan, Chicago, Ill.
Application October 19, 1936, Serial No. 106,339
14 Claims. (Cl. 189—34)



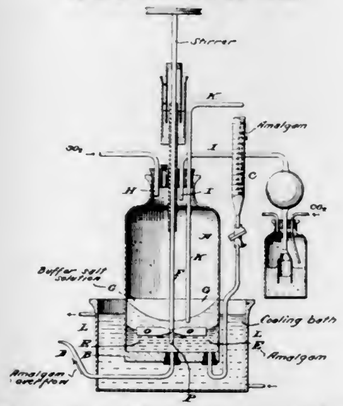
12. In a floor construction, a row of columns, a main load-carrying girder passing two columns in a row and spaced therefrom, a cross girder secured at each end of the main girder transversely to the main girder at a point intermediate the length of the cross girders, a second main load-carrying girder similarly secured to the cross girders near their other ends to form a parallelogram having a length longer than the column spacing and a width less than the column spacing, and means for supporting all said girders on four columns.

2,084,650
ASHTRAY
Leo A. Marihart, Mountain View, Calif.
Application September 20, 1934, Serial No. 744,828
6 Claims. (Cl. 131—51)



4. A device of the class described comprising a support, a feeding shoe slidable upon the support, an arm cooperating with the shoe, means for swinging the arm, an element feeding pin carried by the shoe and pivoted thereon, an elevating member carried by the shoe and mounted for swinging movement for engaging the pin, means carried by the elevating member and engageable by the arm for swinging the elevating member and raising the pin when the arm is swung in one direction and lowering the pin when the arm is swung in the opposite direction, and said elevating member comprising an irregularly shaped body having an elevated portion adapted to be brought into and out of engagement with the pin for controlling the raising and lowering of the pin.

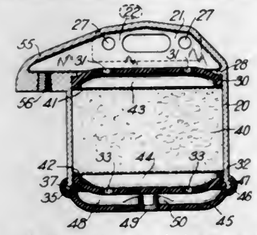
2,084,651
PREPARATION OF HYPOSULFITES
Werner Mecklenburg, Neuenkirchen auf Rugen, Pommern, Germany, and Alfred Wurbs, Bokau, Czechoslovakia
Application May 2, 1934, Serial No. 723,554. In Germany March 26, 1931
10 Claims. (Cl. 23—116)



1. The method of producing hyposulfites which comprises directly reacting an alkali metal and sulphur dioxide in an aqueous medium having an acidity maintained between a pH of between 6 and 7.

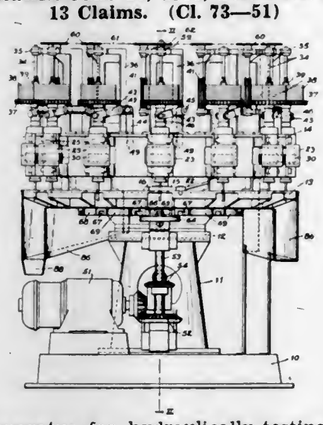
2,084,652
STRAINER DEVICE
Eugene A. Owen, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 13, 1935, Serial No. 31,240
8 Claims. (Cl. 183—44)

1. In a device of the class described, a body having a passage therethrough through which fluid supplied to the intake valve of a compressor passes, air straining means interposed in said passage, and a pair of diaphragms extending across said passage, one of said diaphragms being located on one side of the air straining means, the other of said diaphragms being located on the



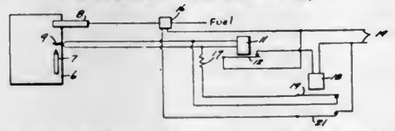
other side of the air straining means, each of said diaphragms having an opening formed therein through which fluid flows from one side of the diaphragm to the other, each of said diaphragms being adapted to yield in response to variations in the pressure of the fluid on opposite sides thereof.

2,084,653
HYDRAULIC TESTING MACHINE
Frank W. Preston, Butler, Pa.
Application June 17, 1935, Serial No. 26,991
13 Claims. (Cl. 73—51)



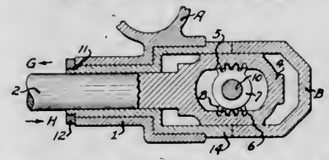
1. Apparatus for hydraulically-testing hollow articles, comprising a movable carrier for the articles to be tested, means on the carrier for confining liquid within an article, a displacement member on the carrier and movable into the confined liquid, and means operable through movement of the carrier, for operating the displacement member to effect pressure within the said article.

2,084,654
CONTROL APPARATUS
William A. Ray, San Francisco, Calif., assignor to General Controls Company, a corporation of California
Application January 14, 1935, Serial No. 1,748
9 Claims. (Cl. 175—320)



1. In combination a thermocouple, a relay including a field coil in series with said thermocouple, a resistance shunted across said coil, and means responsive to operation of said relay for disconnecting said resistance from shunt connection across said coil.

2,084,655
PROPELLER SHAFT VARIABLE PITCH CONTROL
Horatio E. Roberts, Roseville, Mich.
Application December 28, 1935, Serial No. 56,429
1 Claim. (Cl. 170—163)

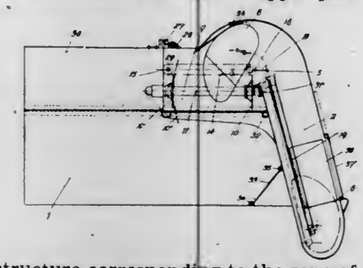


In a propeller structure, a housing having a cylindrical portion and an enlarged socket at one end thereof, a sleeve having a tubular shank rotatably received in the cylindrical portion of said housing with one end projecting therefrom and a cup-shaped portion at the other end of the shank seated in said socket and projecting outwardly therefrom, a removable cap for the outer end of the cup, a securing nut carried by the projecting end of said shank and abutting said housing, a shaft extending through said shank and being rotatable and slidable longitudinally therein, an open rectangular head extending longitudinally from said shank and housed by the cup and cap, the inner end of said head having portions projecting laterally from the shaft and constituting abutment means for limiting sliding of the shaft and head inwardly of the cup, said head having spaced side bars having their inner side faces provided with rack teeth and constituting opposed rack bars, propeller blades at opposite sides of said housing having stub shafts at their inner ends journaled between abutting portions of the cup and cap and having annular flanges at their inner ends disposed in abutting engagement with each other between the rack bars of said head, each flange having teeth forming a segmental gear on the flange, one gear meshing with one rack bar and the other gear meshing with the other rack bar, aligned axially extending bores being formed through the stub shafts, and a dowel pin fitting snugly in said bores and preventing lateral tilting of the stub shafts and propellers.

2,084,656
SELF-LOADING REFUSE VEHICLE
Pierre Rotteé, Paris, France, assignor to Fernand Geneve, Paris, France
Application November 16, 1935, Serial No. 50,139
In France March 26, 1934
8 Claims. (Cl. 214—67)

1. A traveling bucket for conveying refuse or other material, comprising in combination, a box structure made in two parts consisting of an upper and a lower part, a compression plate reciprocable in said box structure in a direction transverse to its surface for compressing and distributing the refuse material in said box, at least one jack directly interposed between said box structure and said plate for actuating said compressing plate, at least one cup for said refuse material movably connected with said structure so as to allow lifting of the refuse material and discharging of the same into said box structure, and a mechanism for transmitting the

motion from said jack to said cup in order to operate said cup in cooperation with the working of said compression plate, the upper part of the



box structure corresponding to the zone of action of the compression plate and being detachable so as to allow the box structure to be used as an ordinary bucket or vehicle body of a usual type.

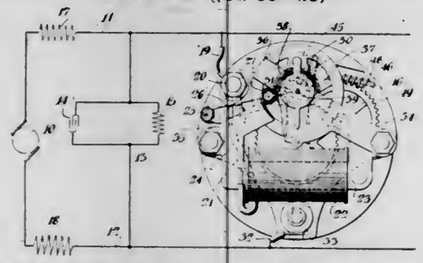
2,084,657

ELECTRICAL APPARATUS

George B. Sears, Brooklyn, N. Y., assignor to Jaeger Watch Company, Inc., New York, N. Y., a corporation of New York

Application February 8, 1934, Serial No. 710,289

4 Claims. (Cl. 58—28)



2. An electrical circuit comprising a source of electro-motive force, a conductor of positive current associated with said source of electro-motive force, a conductor of negative current associated with said source of electro-motive force, a connection between said conductors including a condenser and a resistance in parallel, a resistance in series with said conductor of positive current between said source of electro-motive force and said connection, a resistance in series with said conductor of negative current between said source of electro-motive force and said connection, and a self-oscillating electric clock in circuit between said conductors in parallel with said connection.

2,084,658

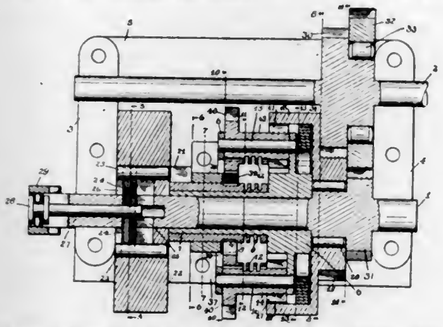
ACCELERATING TRANSMISSION MECHANISM

Frank H. Stolp, Geneva, N. Y.

Application June 18, 1935, Serial No. 27,224

14 Claims. (Cl. 74—280)

1. In a power transmission mechanism, the combination with a driving element and a driven element, of gearing between the two acting initially to the mechanical advantage of the driving element and having a limited cycle of movement during which it tends to build up the speed of the driven element during a progressive decrease in the mechanical advantage of the driving element, said gearing embodying means for ultimately connecting the driving and driven elements together for direct drive at the conclusion of the cycle, and a separate direct low gear connection between the driving and driven elements having a ratio less than the initial ratio of driving connection between the aforesaid driving element and



driven element through the first mentioned gearing.

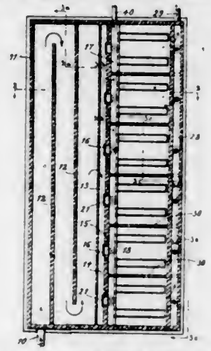
2,084,659

TREATMENT OF SEWAGE, INDUSTRIAL WASTE, AND THE LIKE

Philip B. Streander, Scarsdale, N. Y., assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y., a corporation of New York

Application April 12, 1935, Serial No. 16,066

8 Claims. (Cl. 210—5)



1. The combination of a downward flow filter receiving influent liquid to be filtered, shut-off means for preventing flow of influent liquid to the filter, an effluent channel receiving filtered effluent from the filter, shut-off means to prevent backward flow from the effluent channel to the filter, and means for lowering the liquid level in the influent side of the filter when the influent liquid and the effluent channel are shut off from the filter whereby, upon opening of the shut-off means between the filter and the effluent channel, liquid from the effluent channel will be caused to flow back through the filter and clean the same.

2,084,660

LOCOMOTIVE DRIVER BRAKE

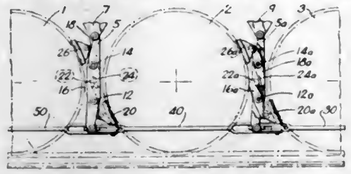
Charles M. Wageley, Kirkwood, Mo., assignor to The American Brake Company, Wilmerding, Pa., a corporation of Missouri

Application January 18, 1936, Serial No. 59,708

16 Claims. (Cl. 188—46)

1. In a brake equipment for a vehicle having a series of pairs of wheels, a brake hanger lever positioned in a plane extending between adjacent wheels, a pair of levers pivotally carried by said brake hanger lever, one of said levers carrying a

shoe adapted to engage the wheel on one side of the brake hanger lever, the other of the said le-



vers carrying a shoe adapted to engage the wheel on the other side of the brake hanger lever.

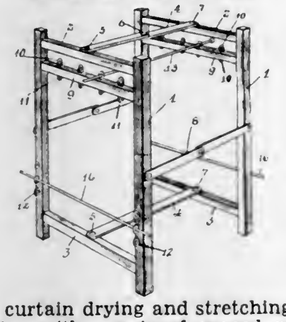
2,084,661

CURTAIN DRYING AND STRETCHING RACK

Norvel J. Wagstaff, Rochester, N. Y.

Application November 15, 1935, Serial No. 50,015

3 Claims. (Cl. 45—24)



1. In a curtain drying and stretching rack, the combination with a pair of spaced rectangular frame standards, of a plurality of rods adapted to be thrust through and to support the curtains by their hems, upper and lower rod retaining devices on each frame adapted to hold the rods against stresses in opposite directions with the curtain extending between them and one set of which is carried by a cross piece of the frame, one of the retaining devices being adjustable to different positions toward and from the other, and link connections between the frames on opposite sides thereof on which they may be folded closely with a parallel movement, one upon the other.

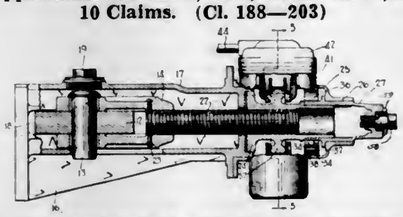
2,084,662

AUTOMATIC SLACK ADJUSTER

Frederick G. Williamson, Wilkinsburg, Pa., assignor to The American Brake Company, Wilmerding, Pa., a corporation of Missouri

Application March 28, 1936, Serial No. 71,460

10 Claims. (Cl. 188—203)



1. In a brake slack adjuster, the combination with a ratchet wheel and pawl, and means operated thereby for taking up the slack, of a piston subject on one side to fluid under pressure for operating said pawl, a spring opposing the fluid pressure on the piston, latching means for preventing accidental reverse movement of the ratchet wheel, a manually operable means coupled for forward rotation with said ratchet wheel, and means responsive to manual reverse movement of the manually operable means for releasing the latching means to permit reverse movement of the ratchet wheel.

2,084,663

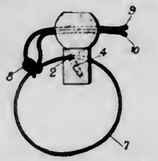
ROPE CUTTING DEVICE

Paul Johan Zwaal, Amsterdam, Netherlands

Application October 29, 1936, Serial No. 108,228

In the Netherlands July 15, 1935

10 Claims. (Cl. 30—127)



10. In a fastener for a package, having a cord wrapped about the package to close the same, the combination of a plate having an orifice and a strand of said cord adapted to pass through said orifice, the latter having a portion of its wall capable of severing the cord by drawing the plate in a direction away from the latter.

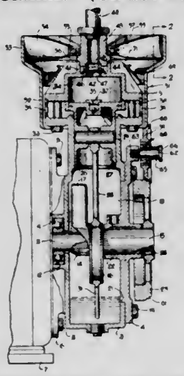
2,084,664

FLUID COMPRESSOR

Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 27, 1936, Serial No. 71,227

7 Claims. (Cl. 230—211)



1. A fluid compressor comprising a cylinder having a chamber in which fluid is compressed, a tubular shell concentrically surrounding and rotatably mounted on the said cylinder, and fan blades secured to the interior of the tubular shell adapted to cause flow of cooling air axially through said shell and past said cylinder in encircling relation thereto upon rotation of said shell.

2,084,665

COMPRESSOR UNLOADING DEVICE

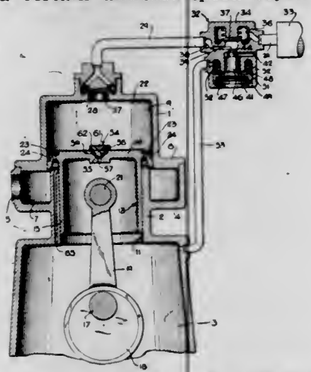
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 15, 1936, Serial No. 79,938

1 Claim. (Cl. 230—27)

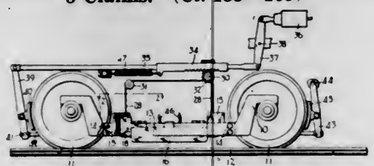
In combination, an air compressor comprising a compression chamber, a crank case chamber, a reciprocative piston effective to compress air in

said compression chamber, a check valve in the pressure head of the piston effective upon reciprocation of the piston to cause withdrawal of air from the crank case chamber to the compression chamber and thereby tend to cause a partial vacuum in the crank case chamber, a restricted passage through which air may flow into the crank case chamber at any rate up to a maximum rate, said check valve being ineffective to produce a partial vacuum in the crank case chamber unless the speed of operation of the compressor exceeds a certain uniform speed beyond which



the rate of withdrawal of air from the crank case chamber by said check valve exceeds the maximum rate of flow of air into the crank case chamber through said restricted passage, the degree of the partial vacuum created in the crank case chamber varying in accordance with the speed of the compressor above the certain uniform speed, and means effective to unload the compressor as long as the partial vacuum in the crank case chamber does not exceed a certain predetermined degree and operative when the partial vacuum exceeds said certain degree to cause loading of the compressor.

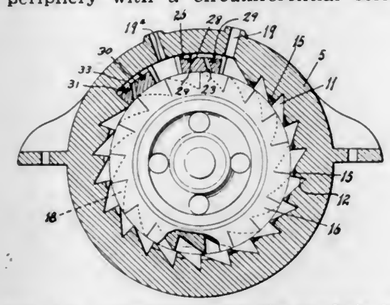
2,084,666
MAGNETIC TRACK BRAKE
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 14, 1936, Serial No. 105,468
8 Claims. (Cl. 188—165)



1. In a vehicle brake system, in combination, a fluid pressure brake system having a brake operating rod, a magnetic track brake device, a ratch associated with said rod and movable as said rod moves, and means controlled by the movement of said ratch for controlling the raising and lowering of said track brake device in accordance with the movement of said rod.

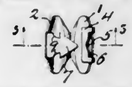
2,084,667
ROTARY ENGINE
Edgar Collins Bell, Long Beach, Calif.
Application September 10, 1935, Serial No. 39,916
6 Claims. (Cl. 253—51)

1. A rotary engine including a casing having an intake port and an exhaust port, said ports being spaced apart, said casing being provided with a series of pockets on the inner surface thereof and extending around the casing from one side of the intake port to one side of the exhaust port, a rotor mounted in the casing, provided on its periphery with a circumferential series of



pockets for cooperation with the pockets in the wall of the casing, said pockets in the rotor each including a radially extending end wall and side and bottom walls diverging from the periphery of the rotor to said end wall, and pressure check means between the intake and exhaust ports.

2,084,668
SEAL
Winfred M. Brooks, West Orange, N. J., assignor to E. J. Brooks Company, Newark, N. J., a corporation of New Jersey
Application July 24, 1936, Serial No. 92,303
1 Claim. (Cl. 292—326)

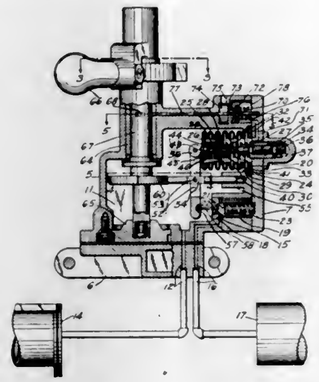


A seal comprising: two connected main portions of sheet material; one of said main portions having a tongue bent inwardly thereover and in spaced relation thereto and provided with an inwardly tapering slot having lateral bays at its widest end; the other of said main portions having a tapered tongue provided with lateral notches at its wide end, said tapered tongue bent toward the first main portion and adapted to enter the widest end of the slot in the first main portion when the two main portions are bent toward each other and to be inwardly deflected by the inner wall of said first main portion.

2,084,669
SELF LAPPING BRAKE VALVE
George L. Cotter, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding Pa., a corporation of Pennsylvania
Application February 15, 1935, Serial No. 6,673
3 Claims. (Cl. 303—54)

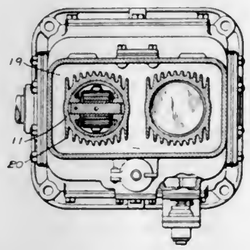
1. In a fluid pressure brake, in combination, a self-lapping brake valve device comprising a casing having a chamber, a flexible bellows diaphragm subject to the pressure of said chamber, a rotatable cam shaft, a cam mechanism operated by said cam shaft, and valve means controlled by said diaphragm and said cam mechanism for supplying fluid under pressure to and releasing fluid under pressure from the chamber; and an auxiliary valve assembly comprising a spring, a valve subject to the pressure of said spring and adapted to be operated to prevent discharge of fluid under pressure from the chamber by way of the diaphragm, and an operating stem

connected to said valve for normally maintaining it unseated, and adapted upon rotation of the



cam shaft to engage a depression in the periphery of said shaft for causing operation of said valve.

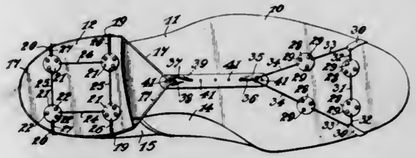
2,084,670
FLUID COMPRESSOR
Philip L. Crittenden, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 31, 1935, Serial No. 4,263
4 Claims. (Cl. 230—212)



1. In a fluid compressor, in combination, a body comprising a unitary casting having a cylinder portion having a bore extending therethrough and adapted to receive a piston, a jacket surrounding a portion of the cylinder portion and forming a chamber adapted to contain a cooling liquid, fins formed integral with said cylinder portion and extending into said chamber, the fins extending axially of the cylinder portion and projecting from the cylinder portion in substantially parallel planes.

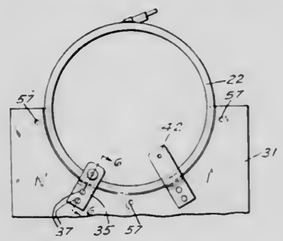
2,084,671
ANTISLIP DEVICE FOR SHOES
Harry P. Curran, Bronx, N. Y., assignor of one-fourth to Nicholas Lamaina, Corona, N. Y.
Application September 9, 1936, Serial No. 99,925
3 Claims. (Cl. 36—7.6)

1. In an anti-slip device for shoes, in combination, a group of ground-gripping heel elements adapted to be positioned beneath the heel of a shoe in spaced relation from each other, a plurality of links connecting said elements together, an anchor member to extend around the heel portion of the shoe and adapted to have anchoring engagement therewith, a plurality of flexible members connecting said elements to said anchor member, a group of ground-gripping sole elements adapted to be positioned beneath the sole of the shoe in spaced relation from each other, a pair of anchor hooks engageable respectively with the opposite edges of the shoe sole, a plurality of links connecting said sole elements together and to said anchor hooks, said anchor member having



side portions to extend forwardly beyond the front of the shoe heel and adapted to extend beneath the shank portion of the shoe sole, and interconnecting tensioning means connecting a plurality of the links of said group of sole elements to the forwardly extended side portions of said anchor member and adapted to maintain said anchor hooks and said anchor member in anchoring engagement with the shoe.

2,084,672
LINER ASSEMBLING DEVICE
Philip W. Dempsey, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 22, 1934, Serial No. 745,045
8 Claims. (Cl. 29—84)



1. A device for threading successive turns of ribbon in helical relation into a groove in a grooved member, comprising a tubular portion conforming substantially to the ribbon and through which the ribbon is fed, only one face of said tubular portion having an extension adapted to enter the groove and slide along one face of the ribbon already in the groove for pressing it into such a transverse position in the groove as to provide space in the groove for ribbon to be fed thereinto.

2,084,673
DRINKING AND SIMILAR TUBE
Otto W. Dieffenbach, Baltimore, Md.
Application January 18, 1937, Serial No. 121,088
4 Claims. (Cl. 138—78)

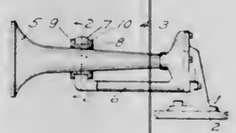
1. A substantially transparent tube for drinking straws and the like, the same comprising flexible sheet cellulose derivative in strip form helically wound and overlapped at the edges and a reinforcing strip wound in a substantially simi-

lar helix and located between the overlapping portions, the reinforcing strip being of substan-



tially less width than the overlap the contacting surfaces being sealed.

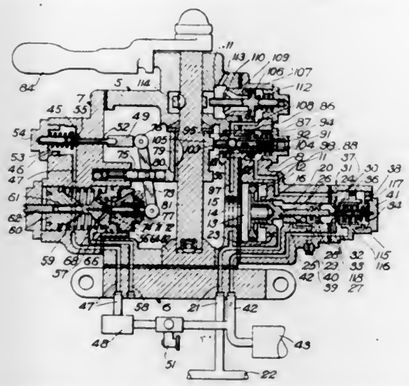
2,084,674
HORN SUPPORT
Sidney G. Down, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 6, 1934, Serial No. 756,252
6 Claims. (Cl. 116—37)



4. In a device of the class described, a body comprising a plurality of sections detachably secured together, one of said body sections having a bracket portion associated therewith by means of which the device may be secured to a support, the other of said body sections having a portion adapted to have the end of a horn bell secured thereto, and having an arm associated therewith and projecting therefrom, the arm having means associated therewith adapted to grip the horn bell at a point spaced from the end portion which is secured to the body section.

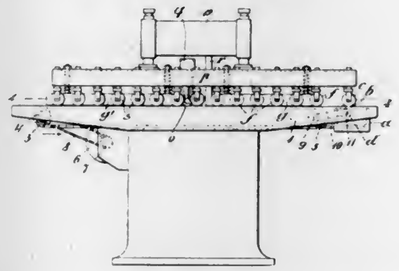
2,084,675
BRAKE VALVE DEVICE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 25, 1935, Serial No. 28,299
9 Claims. (Cl. 303—54)

1. In a fluid pressure brake, the combination with a brake pipe, a reduction in fluid pressure in which is operative to effect an application of the brakes, of a brake valve device comprising a casing having a chamber, self-lapping valve means for supplying fluid to said chamber at a pressure depending upon the extent of movement of the brake valve device, and means for supplying fluid under pressure to the brake pipe



according to the pressure of fluid supplied to said chamber.

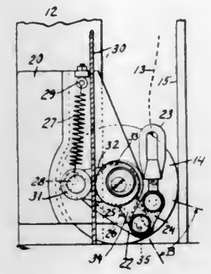
2,084,676
MACHINE FOR THE GLUING TOGETHER OF THE EDGES OF VENEER SHEETS
Adolf Friz, Stuttgart-Bad Cannstatt, Germany
Application May 6, 1936, Serial No. 78,233. In Germany May 13, 1935
2 Claims. (Cl. 144—279)



1. A machine for edgewise gluing veneer sheets together, comprising in combination, veneer sheet conveying means, a binder supplying means in front of said conveying means, two converging rollers flanking said glue supplying means, a plurality of pairs of parallel rollers arranged behind said converging rollers and a plurality of converging rollers arranged in series with said parallel rollers.

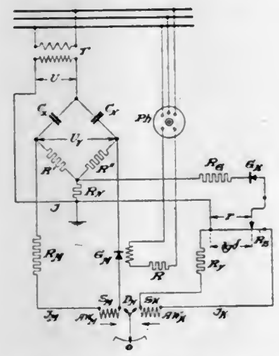
2,084,677
DOOR SAFETY DEVICE
Henry A. Gerken, Brooklyn, N. Y., assignor to Ralph E. Ogden, Mountainville, N. Y.
Application March 23, 1936, Serial No. 70,239
9 Claims. (Cl. 20—20)

1. A door section, a guide roller pivoted to the lower edge thereof, a vertical guide for the roller, means for swinging the door section away from and toward said guide, a chain arm movably supported on the guide roller pivot, a hoisting chain connected with said arm at a point spaced from said pivot toward the guide rail, cooperating stop lugs on the chain arm and on the door section, a locking cam held in inoperative position by the chain arm, and means acting against the tension on the chain tending to move the chain arm relative to the door section to



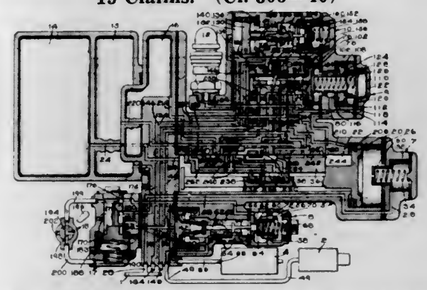
separate the stop lugs and actuate the locking cam.

2,084,678
ARRANGEMENT FOR CARRYING OUT ALTERNATING CURRENT MEASUREMENTS WITH THE AID OF MEASURING RECTIFIERS
Wilhelm Geyger, Berlin-Schmargendorf, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application July 27, 1935, Serial No. 33,440.
In Germany July 30, 1934
4 Claims. (Cl. 175—183)



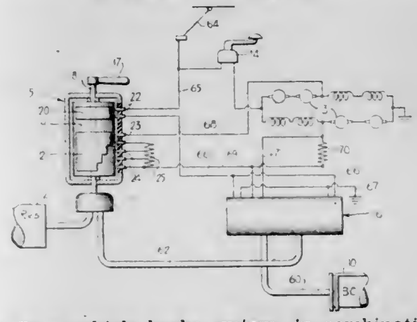
1. In a system for measuring complex alternating current factors, a source of alternating current, a measuring instrument suitable for comparing two currents and provided with two windings, a measuring circuit fed from said source of alternating current, said circuit including one of the windings of said instrument and also including at least one rectifier, means extraneous to the measuring circuit but connected with said source of alternating current, for actuating said rectifier with respect to its stop-and-flow phase in the desired phase relation to the alternating current source, means connected with said actuating means for adjusting the phase relation of said rectifier to the source of alternating current, an ohmic resistance connected in series with the other winding of the measuring instrument and provided with a tap adjustable to measure the factor to be determined, and circuit connections to said adjustable tap and to a different point of said resistance, from said source of alternating current, said circuit connections including another rectifier.

2,084,679
FLUID PRESSURE BRAKE
John N. Good, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 14, 1936, Serial No. 105,449
15 Claims. (Cl. 303—40)



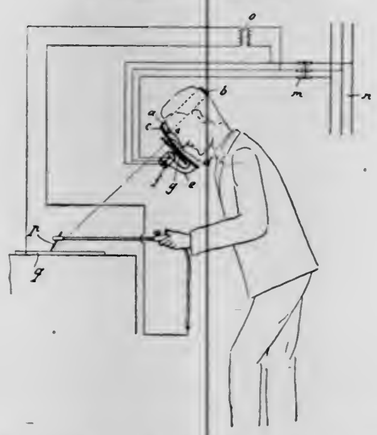
1. In a fluid pressure brake, in combination, valve means operable to supply fluid under pressure to effect an application of the brakes, a yielding resistance means, a reduction reservoir, a valve device subject to the opposing pressures of said yielding resistance means and of the reduction reservoir and operative upon a predetermined increase in fluid pressure in the reduction reservoir to move to its application position to establish communication through which said valve means supplies fluid under pressure to effect an application of the brakes, and means operable upon movement of said valve device towards the application position for rendering said yielding resistance means ineffective to oppose movement of said valve device.

2,084,680
ELECTRIC BRAKE DEVICE
John B. Grosswege, Edgewood, and John Canetta, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 12, 1936, Serial No. 79,254
15 Claims. (Cl. 303—3)



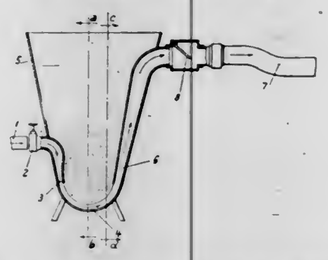
1. In a vehicle brake system, in combination, an electric brake system, a fluid pressure brake system, an electroresponsive valve device controlling a communication through which fluid under pressure is supplied to effect the operation of said fluid pressure brake system, and having an electromagnet operable to produce a magnetic force proportional to the degree of braking produced by said electric brake system to control the pressure of fluid supplied through said communication, and means for establishing in said valve device opposing magnetic forces to increase the fidelity of operation of said device.

2,084,681
EYESHIELD FOR WELDING DEVICES
Arnold Grün, Oberesslingen, Germany
Application January 8, 1936, Serial No. 58,031
In Germany January 11, 1935
3 Claims. (Cl. 2—8)



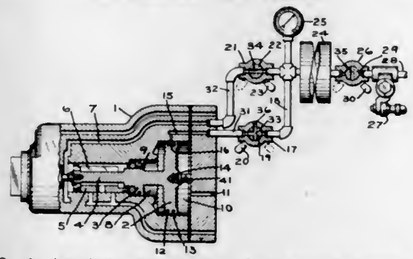
1. Protective eye shield for welding devices comprising in combination, an apertured shield, a diaphragm movably supported in front of said shield, means for moving said diaphragm, an electric welding tool, means for supplying to said diaphragm moving means and to said tool an electric current which changes rhythmically between a maximum and a minimum, and a connection between said current supplying means, said diaphragm moving means and said tool whereby said diaphragm is forced to move in the rhythm prescribed by the current, being made to cover the aperture of said shield, whenever the current is near its maximum, and being made to uncover the aperture whenever the current is near its minimum.

2,084,682
APPARATUS FOR INCORPORATING TO A STREAM OF FLUID UNDER PRESSURE OTHER FLUID OR POWDERED BODIES
Maurice Pierre Joseph Guenot, Montreuil, France
Application August 14, 1935, Serial No. 35,130
In France August 18, 1934
5 Claims. (Cl. 169—15)



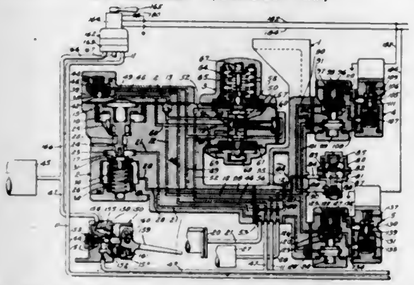
1. A device for incorporating a powder to a stream of liquid under pressure, comprising a curved conduit of substantial curvature having an elongated opening in its inner side, means for supplying powder into said opening by gravity, means for supplying liquid under pressure to said conduit, and an outlet for said conduit.

2,084,683
PISTON RING TESTING DEVICE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 11, 1934, Serial No. 706,226
12 Claims. (Cl. 73—51)



9. A testing apparatus for ascertaining the leakage past each individual ring of a plurality when all are in place on a piston, said apparatus comprising means for subjecting the opposite sides of a selected ring of said plurality to a differential of fluid pressures, and means for indicating leakage past the selected ring from the side subject to the higher pressure to the side subject to the lower pressure.

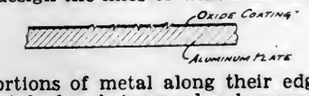
2,084,684
BRAKE CONTROL VALVE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 13, 1935, Serial No. 31,224
14 Claims. (Cl. 303—15)



1. In a braking system, a brake cylinder, a reservoir, a brake pipe, means for supplying fluid under pressure to the brake pipe, means for supplying fluid under pressure to the reservoir, a relay valve device controlling the flow of fluid from the reservoir to the brake cylinder, the relay valve device comprising a movable abutment subject on one side to the pressure of the fluid in a chamber in the valve device, and valve means responsive at all times to the pressure of the fluid in the relay valve device chamber and in the brake pipe for controlling the flow of fluid from the reservoir to the chamber in the relay valve device.

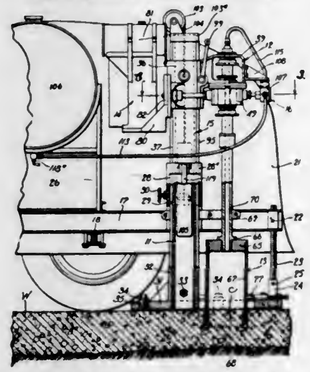
2,084,685
PRINTING PLATE
Pierre R. L. Hogner, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 16, 1932, Serial No. 605,636
3 Claims. (Cl. 101—401)

2. An improved aluminum engraving plate provided on its surface with a hard, elastic and adherent coating consisting substantially of aluminum oxide and having impressed thereon an intaglio design the lines of which are defined by



raised portions of metal along their edges, said raised metal edges being rendered wear-resistant by said aluminum oxide coating.

2,084,686
SAMPLE TAKING MACHINE
Frank L. Howard, Arcadia, Calif.
Application June 21, 1935, Serial No. 27,707
19 Claims. (Cl. 255—19)



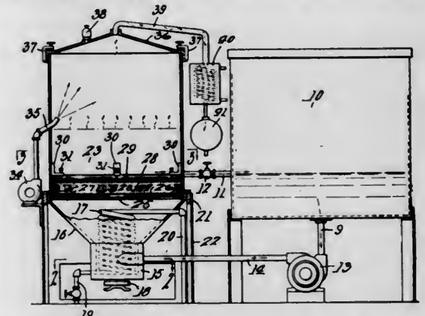
1. A sample taking machine of the character described including a wheeled vehicle, a drilling mechanism comprising a drill, and means for operating the drill, means for detachably mounting the mechanism in operative position on the vehicle, and means engageable with the work to stabilize the drill when the mechanism is operated on the vehicle and operable to support the mechanism on the work for operation when detached from the vehicle.

2,084,687
COMPOSITION FOR USE IN HYDROGENATING AND METHOD OF PREPARING AND UTILIZING SAME
Holger B. Jespersen, Mountain Lakes, N. J., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey
No Drawing. Application January 21, 1935, Serial No. 2,755
3 Claims. (Cl. 87—12)

1. A composition for use in hydrogenating oils, comprising a mixture of oil and finely divided dehydrated nickel formate.

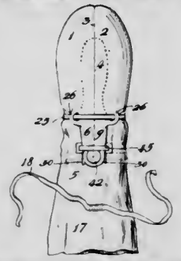
2,084,688
COMBINED DISTILLER AND FILTER
Raymond E. Johnson, Worcester, Mass.
Application March 16, 1934, Serial No. 715,928
1 Claim. (Cl. 210—132)

In a dry cleaning machine having a washer provided with an outlet, the combination with a pump for forcing the liquid from the washer through the outlet, a mixer, a pipe leading from the pump tangentially into the side of the mixer to give the liquid a rotary motion in the mixer, a compartment above the mixer and constituting a part of the mixer, a condenser, filter at the bottom of said compartment, into and through which the liquid rises by the force of the pump, an air blower for blowing air from said compartment above the liquid therein into said condenser from a point opposite that into which the air is



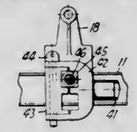
blown, and means for conducting the liquid from the top of the filter directly back into the washing machine, said mixer having an outlet at the bottom through which the solid particles may be released.

2,084,689
NIPPLE PROTECTOR
Heinrich Karl, Jersey City, N. J.
Application October 23, 1934, Serial No. 749,552
6 Claims. (Cl. 128—252)



3. In a nipple protector of the character described, a hull adapted to enclose said nipple automatically and consisting of sections arranged on a stabilizing part, pivots on said stabilizing part and said stabilizing part being bent at the point where the pivots are located and springs arranged around the parts of said stabilizing part that are next to the point where the pivots are arranged and being so adjusted as to thrust against said sections and always tend to bring them together to form said hull.

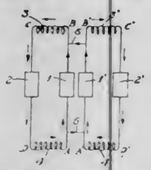
2,084,690
EARTH MOVER
John F. Knapp, Oakland, Calif., assignor to American Tractor Equipment Corporation, a corporation of California
Original application March 27, 1934, Serial No. 717,592. Divided and this application November 11, 1935, Serial No. 49,255
5 Claims. (Cl. 37—144)



1. An earth mover for a tractor having truck frames, comprising an extension on each truck

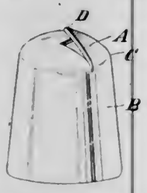
frame, members extending parallel to and alongside of each truck frame, and an end member on each parallel member, means on each end member providing a plurality of receptacles for said extension.

2,084,691
PROCESS OF AND APPARATUS FOR PERFORMING THERMAL CONVERSIONS
Albert François Lèbre, Paris, France
Application May 18, 1934, Serial No. 726,310. In France June 8, 1933
21 Claims. (Cl. 62—170)



1. In a process of performing thermal conversions, simultaneously performing on separate quantities of gas two series of operations comprising each a compression, an expansion and at least one heat-exchange, conducting said series of operations in such manner that one gives rise to a variation in gas volume which absorbs energy in the form of heat from gas under increased or reduced pressure and the other gives rise to a variation in gas volume which delivers energy in the form of heat to gas under increased or reduced pressure, and effecting between said two series of operations a direct transmission of energy by transfer of gas under increased or reduced pressure, without conversion into mechanical energy of the energy contained in the gas transferred.

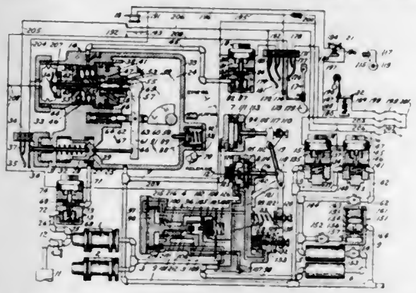
2,084,692
THERAPEUTIC DEVICE
Robert Parker Little, Santa Paula, Calif.
Application January 14, 1936, Serial No. 59,056
2 Claims. (Cl. 128—361)



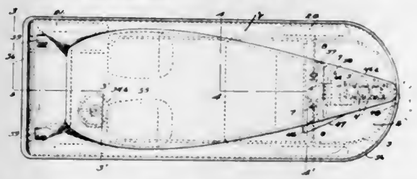
2. A therapeutic puncturing device including a sheet metal body adapted to slip on to a finger, and a projection of the sheet metal having now-sharp edges meeting in a now-sharp point which projects at a small angle upwardly across the end of the body where the end of the finger would lie, said point terminating nearly centrally over the end.

2,084,693
TRAIN BRAKE EQUIPMENT
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 18, 1935, Serial No. 41,012
24 Claims. (Cl. 303—15)

1. In a brake equipment for vehicles, a brake cylinder, means for supplying fluid under pressure to said brake cylinder, a brake pipe, a self-lapping brake valve device for reducing brake pipe pressure any desired amount below a predetermined value in accordance with the amount of movement from its release position to effect a desired degree of application of the brakes, a relay valve device responsive to brake pipe pressure for controlling the supply of fluid under pressure to said brake cylinder, said relay valve device comprising a piston chamber and valve means operative in accordance with the pressure in said piston chamber for controlling the supply of fluid under pressure to said brake cylinder, means comprising a lever arm and valve mechanism actuated thereby for controlling the pressure in said piston chamber, and means responsive to a decrease in brake pipe pressure below a predetermined value for actuating said lever arm to effect the supply of fluid under pressure to said piston chamber in accordance with the reduction in brake pipe pressure below said predetermined value.



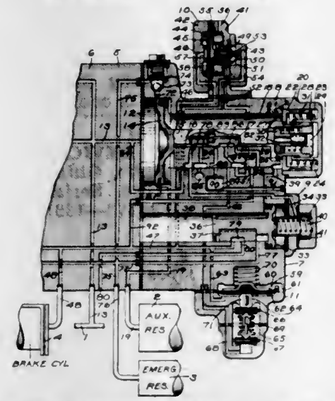
2,084,694
AERODYNAMIC AUTO
James V. Martin, Garden City, N. Y.
Application November 14, 1929, Serial No. 407,131
23 Claims. (Cl. 180—1)



1. An automobile having two steering wheels and a body portion extending downwardly between the said wheels below the centers thereof, a steering tie-rod connecting the said wheels and passing through an aperture in the said body portion, resilient means for vertical movement between the said wheels and the said body and the said tie-rod moving with the body in respect to such vertical movement.

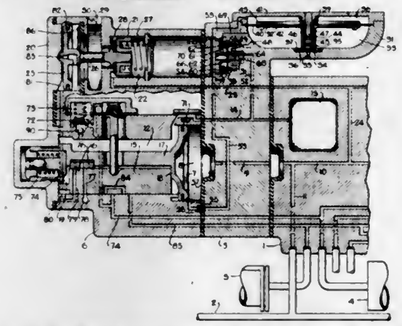
23. In an automobile having two road drive wheels, a streamlined body sprung relative said wheels and with walls positioned outwardly beyond them, an inner wall separating each of the said wheels from a driving means for both, a guard strip at the lower margin of the said outer walls and a body bottom bracing the said guard strip from the outer wall on one side to the outer wall on the opposite side of the said body, the said bottom built rigid, continuous and unbroken between the said inner walls and under the said driving means, whereby the said driving means is at all times separated from road obstacles by the said bottom and the said bottom remains closed for all positions of springing.

2,084,695
FLUID PRESSURE BRAKE
Glenn T. McClure, McKeesport, and Ellery R. Fitch, Irwin, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 27, 1936, Serial No. 71,222
20 Claims. (Cl. 303—36)



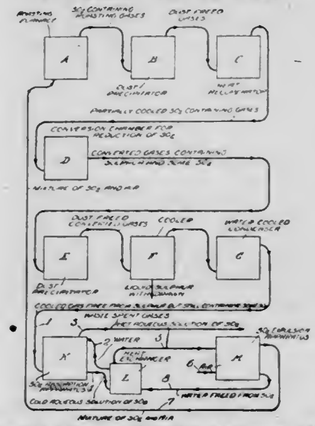
1. In a fluid pressure brake, in combination, a brake pipe, a graduated release brake controlling valve mechanism operative upon a reduction in brake pipe pressure at a service rate to locally vent fluid under pressure from the brake pipe and to effect an application of the brakes and operative upon an increase in brake pipe pressure to effect a release of the brakes, and means operative to prevent fluid from being vented from the brake pipe upon movement of the brake controlling valve mechanism to brake pipe venting position in releasing the brakes.

2,084,696
FLUID PRESSURE BRAKE
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 15, 1936, Serial No. 105,639
13 Claims. (Cl. 303—42)



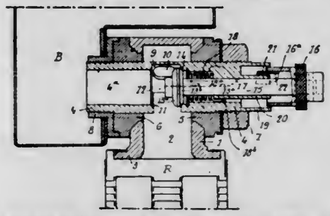
1. In a fluid pressure brake, in combination, a brake pipe, an emergency valve device subject to the opposing pressures of the brake pipe and a quick action chamber and operative upon an emergency reduction in brake pipe pressure to effect an emergency application of the brakes, valve means responsive to a service reduction in brake pipe pressure to vent fluid under pressure from said quick action chamber to prevent said emergency valve device from operating upon a service reduction in brake pipe pressure, and means operative to prevent movement of said valve means upon an emergency reduction in brake pipe pressure.

2,084,697
PROCESS FOR THE RECOVERY OF SULPHUR FROM SULPHIDE ORES
Sibley Byron McCluskey, London, England
Application June 7, 1934, Serial No. 729,519
In Great Britain June 21, 1933
8 Claims. (Cl. 23—226)



1. A cyclic process for the recovery of sulphur from sulphide ores which comprises subjecting the ore to an oxidizing roasting, supplying such an amount of sulphur dioxide and oxygen-containing gases to the roasting chamber as will furnish oxygen in excess of that required to oxidize the sulphur contained in the ore and create a ratio of sulphur dioxide to oxygen of the order of about 2 to 1 in the exit gases from the roasting furnace, reducing to sulphur in a separate conversion chamber containing solid carbonaceous fuels, a portion only of the sulphur dioxide in the exit gases from the roasting furnace, removing the elemental sulphur from the gases leaving the conversion chamber, thereafter treating the gases to recover the remaining sulphur dioxide contained therein, and utilizing such sulphur dioxide content mixed with air for the gaseous mixture supplied to the roasting furnace.

2,084,698
CONNECTING DEVICE
Léon Mollet, Asnieres, France, assignor to Société Anonyme Des Usines Chausson, Asnieres, France
Application December 9, 1935, Serial No. 53,684
In Germany December 13, 1934
5 Claims. (Cl. 251—137)



1. A connecting device between two chambers for establishing and interrupting, at will, a flow

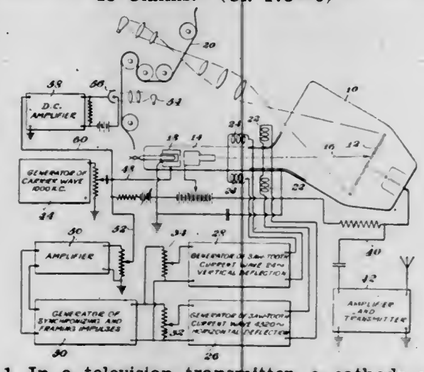
of fluid between said chambers, embodying a body provided with an inner bore, an orifice for the connection of said bore with one of said chambers, at least one orifice, spaced from the first orifice along said bore, for the connection of said bore with the other chamber, a stem slidably mounted in said body and extending beyond one end of the latter to the outside, a first valve means carried by said stem for closing said bore between said two orifices for one position of the stem, a second valve means for closing the passage around said stem for another position of the same, two valve seats provided within said body for said two valve means respectively, a stationary projection carried by said body and provided with two oppositely inclined faces, an actuating head secured to the outer end of said stem, a projection carried by said head and provided with two oppositely inclined faces adapted to contact the corresponding faces of said stationary projection in correspondence with the two positions of said stem and a spring one end of which is attached to said body and the other end is slidably mounted in a longitudinal slot of said stem for urging the latter in rotation.

2,084,699
RIDGE CAP FOR ROOFING
William C. North, Sebring, Fla.
Application June 22, 1936, Serial No. 86,669
7 Claims. (Cl. 108—24)



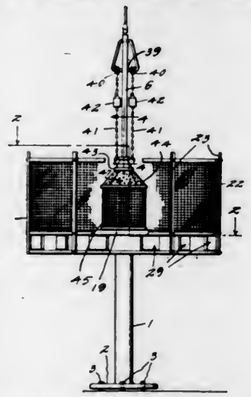
1. In a roof having a ridge and a ridge pole, a ridge cap structure including end and intermediate sections of substantially semi-circular shape in cross section engaged over the ridge pole and interfitted in overlapping relationship at their ends against upward movement relative to each other, and means fastening each section to the ridge poles and covered by the overlying portion of the next adjacent section, the end sections being closed at their outer ends and being secured at their outer ends to the ends of the ridge pole.

2,084,700
TELEVISION SYSTEM
Gregory N. Ogloblinsky, Collingswood, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application January 3, 1933, Serial No. 649,764
18 Claims. (Cl. 178—6)



1. In a television transmitter, a cathode ray tube for developing picture signals, said tube having an extended photo-sensitive screen structure and means including an electron gun for producing a ray of electrons and directing the ray towards said screen structure, means for scanning said screen structure with said ray whereby picture signals are developed in accordance with conditions of light and shade on said screen, means for developing an electrical effect which varies substantially in correspondence with occurring variations in conditions of average light-intensity over the portion of said screen structure being scanned, and means for changing the intensity of said ray in response to variations in said electrical effect whereby the level of the transmitted picture signals is controlled.

2,084,701
AMUSEMENT DEVICE
Jack Paul, Philo, Ohio
Application August 15, 1936, Serial No. 96,287
9 Claims. (Cl. 273—139)

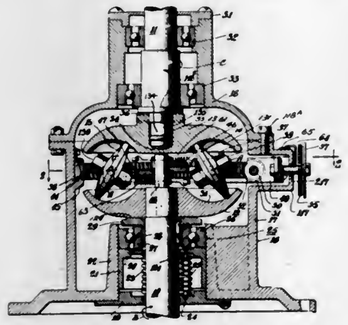


1. A game structure comprising a floor, enclosure forming means extending upwardly from the floor, said floor having a plurality of apertures therethrough within and adjacent to the enclosure forming means, a plurality of compartments each removably mounted beneath the floor and each having an entrance opening coinciding with a floor aperture, an animal cage within the enclosed area and resting upon the floor, said cage having an open bottom, and means for effecting the automatic raising of the cage to permit the escape of an imprisoned animal into the enclosed area.

2,084,702
METHOD OF MAKING EXTRUDED RUBBER ARTICLES FROM AQUEOUS DISPERSIONS OF RUBBER
Ugo Pestalozza, Milan, Italy, assignor to Società Italiana Pirelli, Milan, Italy
No Drawing. Application August 3, 1934, Serial No. 738,376. In Italy August 9, 1933
4 Claims. (Cl. 18—50)

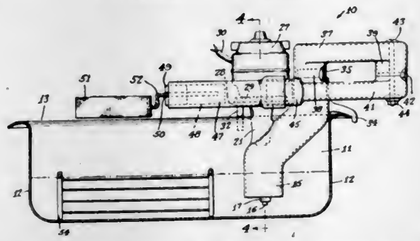
1. A process of manufacturing rubber articles in lengths, comprising extruding a coagulable aqueous dispersion of rubber containing a coagulating agent of such nature and in such amount as will coagulate the dispersion at a minimum temperature between 70–95° C. through a forming tube, heating a length of the tube adjacent the discharge end thereof to a temperature which will coagulate the dispersion passing therethrough, and heating another length of the tube further removed from the discharge end thereof to a temperature of approximately a few degrees below the coagulation temperature of the dispersion.

2,084,703
VARIABLE SPEED TRANSMISSION DEVICE
John A. Pinaud, Atlantic Highlands, N. J.
Application June 7, 1934, Serial No. 729,482
19 Claims. (Cl. 74—200)



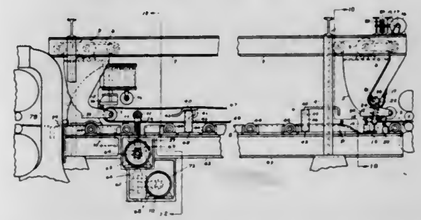
1. In combination, spaced driving and driven disks having opposed grooves, said grooves having circular cross sections defining the same circle, a plurality of rollers operating between said grooves, one of said rollers being a master roller, the rest of said rollers being auxiliary rollers, a plurality of holders, one for each roller, means journalling said rollers in said holders, a plurality of carriers, one for each roller, means for journalling said holders in said carriers about axes perpendicular to and intersecting the axes of said rollers at the center of said circle, means for pivoting said carriers about the aligned axis of said disks, an annular gear surrounding said rollers, gears on said holders meshing said annular gear, a frame connected to the holder for the master roller, a worm wheel secured to said circular gear, a worm journalled in said frame and meshing said worm wheel, means to adjust said worm wheel to adjust said master roller about its holder axis to change the speed ratio between said races, a support adjacent said races and spring means between said carriers and said support.

2,084,704
DEVICE FOR WASHING COOKING UTENSILS, DISHES, AND THE LIKE
Edwin L. Pohl, Oshkosh, Wis.
Application January 28, 1936, Serial No. 61,125
5 Claims. (Cl. 15—74)



1. In combination, a washing device and a container adapted to hold liquid, said device comprising pumping instrumentalities embodying a cylinder extending into said container diagonally downward and at an angle to and away from a side of said container, means mounted on said container to support said instrumentalities in operative position, and flexible conduit means rotatably communicating with said instrumentalities.

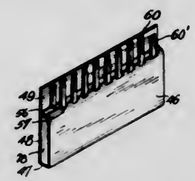
2,084,705
STRIP DOUBLER FOR STRIP MILLS
Howard C. Poole, Newton Falls, and Harry W. Moseley, Warren, Ohio; said Moseley assignor of one-fourth to said Poole
Application January 26, 1935, Serial No. 3,536
10 Claims. (Cl. 153—21)



1. In apparatus for doubling metal sheets, a roller table, a doubling roller mounted for movement over the table from end to end of the latter, and means operable, when the doubling roller is positioned at the sheet receiving end of the table, to grip the advance end of a sheet and move and hold the same across the path of movement of the roller toward the other end of the table, whereby said latter movement of the doubling roller will effect doubling of the sheet.

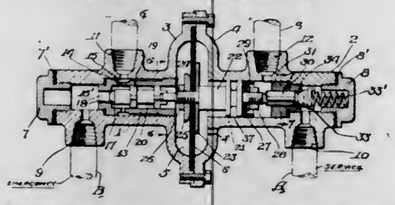
10. In apparatus for doubling metal sheets, mechanism for doubling a sheet over the table and devices mounted at spaced points along the table successively operated during doubling movement of the mechanism to a position to support the upper layer of the sheet in spaced relation to the lower layer and to a position to release said layer to the influence of gravity after the doubling operation is completed.

2,084,706
METHOD OF MAKING MATCH PACKETS
Rodney S. Pullen, Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 6, 1936, Serial No. 83,891
10 Claims. (Cl. 93—2)



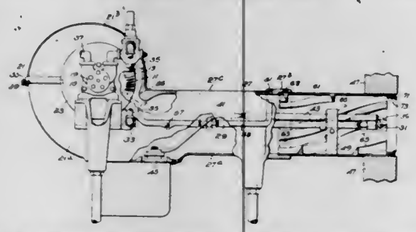
1. The method of forming a packet from a wrap having rows of staggered apertures, matches staggered in two rows and a corrugated insert adapted to be placed between the rows of matches, which consists in relatively shifting the wrap and matches to pass the heads of the matches through the apertures in the wrap, collapsing the wrap re-entrantly between the apertures to form a spacer, placing the insert in position between the rows of matches and beyond the spacer, laterally pressing the matches to cause them to press as dies against the corrugated material of the insert to mold the corrugations into correspondence with the shapes of the match sticks to an extent determined by the pressure used and folding the wrap about the matches, spacer and corrugated insert to form a packet in the usual way.

2,084,707
BRAKE VALVE
Herbert M. Robinson, Newark, N. J., assignor to Reliable Machine Screw Sales Co., Inc., Newark, N. J., a corporation of New Jersey
Application October 20, 1936, Serial No. 106,523
12 Claims. (Cl. 303—26)



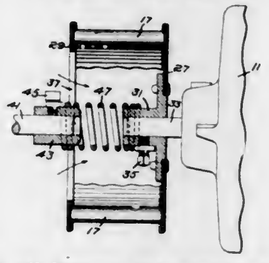
1. In a braking system including a pair of lines in one of which a substantially constant pressure is maintained and in the other of which pressure is varied to effect operation of brakes, a casing connected with said lines and containing chambers adapted to communicate with the respective lines, said casing containing ports through which auxiliary lines may communicate with said chambers, a fluid-pressure-operable member between said chambers, valve mechanism connected with said member, biasing means for shifting said mechanism to position for cutting off communication between said first named lines and ports, said mechanism when shifted against said biasing means permitting communication between said first named lines and the respective auxiliary-line ports and permitting communication of the pressure of one of said lines to said member and impeding communication of the pressure of the other of said lines to said member, thereby maintaining said member and mechanism against the action of said biasing means.

2,084,708
APPARATUS FOR BURNING LIQUID FUEL
Ralston M. Sherman, Glastonbury, Conn., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut
Application March 30, 1935, Serial No. 13,901
7 Claims. (Cl. 158—76)



6. A liquid fuel burner for supplying a mixture of liquid fuel and air to be burned in a combustion chamber, said burner comprising a tubular air conduit terminating in an open mouth, means for forcing air through said conduit, a spray nozzle in said conduit near the open mouth thereof, means for supplying liquid fuel to said nozzle to discharge a liquid fuel spray from the mouth of said conduit, and means for causing an accelerated rotary movement of the air passing through said conduit comprising helically disposed vanes extending lengthwise on the inner wall of said conduit, each vane having a substantially uniform pitch and height, the contour of each vane progressively varying so that the air rotating effectiveness increases in the direction from its air receiving end toward its delivery end.

2,084,709
FLEXIBLE DRIVING CONNECTION FOR OIL BURNERS
Ralston M. Sherman, Glastonbury, Conn., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut
Application December 9, 1935, Serial No. 53,595
4 Claims. (Cl. 103—4)



1. In an oil burner, the combination with a rotary air impeller comprising an impeller housing, a cylindrical cage within said housing having peripheral fan blades and a lateral air intake, of a motor axially aligned with said impeller at one side thereof and having a driving shaft connected to drive the same, an oil pump at the opposite side of said impeller having a drive shaft, an inwardly projecting driving member on the side of the cage opposite said pump in substantial alignment with the pump drive shaft but spaced therefrom, and a helical spring driving connection between the driving member on the impeller and the pump shaft and spanning a space between said member and shaft.

2,084,710
METHOD FOR THE PRODUCTION OF ALKYL CHLORIDES FROM ALKYL ETHERS
Harold M. Spurlin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 21, 1935, Serial No. 37,175
13 Claims. (Cl. 260—162)

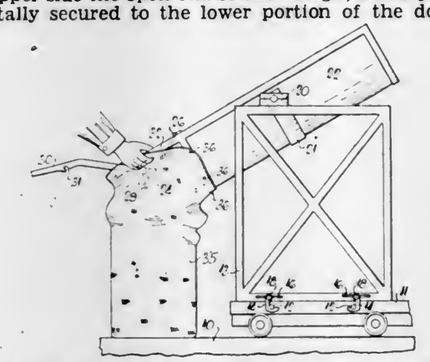
1. The method of producing an alkyl chloride which includes reacting a dialkyl ether with hydrogen chloride in the presence of added water at a temperature within the range of about 80° C. to about 240° C. and under pressure sufficient to keep the water substantially in the liquid phase.

3. The method of producing an alkyl chloride which includes reacting a dialkyl ether with hydrogen chloride in the presence of an aqueous solution of a heavy metal chloride containing at least one part by weight of water to six parts by weight of a heavy metal halide, at a temperature within the range of about 80° C. to about 240° C. and under a pressure sufficient to keep at least one part of water by weight to six parts by weight of the heavy metal halide present in liquid phase.

2,084,711
APPARATUS FOR SACKING MATERIALS
George O. Smith, Spartanburg, S. C.
Application October 31, 1936, Serial No. 108,638
4 Claims. (Cl. 226—58)

1. Apparatus for sacking coal and other bulk material comprising a framework, a trough pivotally mounted intermediate its ends in an off-center position for vertical swinging movement

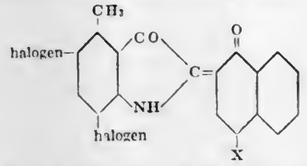
with relation to said framework, said trough having a closed end and an open end, a support for the closed end, a door pivotally secured near the top of the trough and closing the open end of the trough, a semi-circular handle member secured to the trough and extending away from each upper side the open end of the trough, a link pivotally secured to the lower portion of the door



and having a notch therein for engaging the handle to hold the door in closed position, said open end of the trough having pins on its exterior for engaging the open end of a sack, and the other portions of the open end of the sack being adapted to be held in contact with said handle, so that when the handle is seized and the trough tilted on its pivot and said door is released, the contents of the trough will flow into said sack.

2,084,712
INDIGOID DYESTUFFS AND PROCESS OF MAKING SAME
Ernst Stöcklin, Binningen, near Basel, and Eduard Kambli, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application April 15, 1935, Serial No. 16,509. In Switzerland April 20, 1934
2 Claims. (Cl. 260—49)

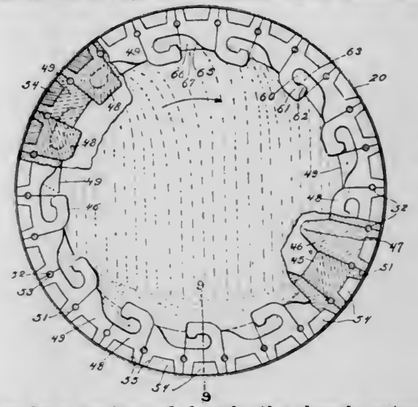
1. Indigoid dyestuffs of the general formula



wherein X is a member of the group consisting of halogen and —OR, the R representing a lower alkyl radical, which dyestuffs are blue to dark blue to blackish powders dissolving in concentrated sulphuric acid to green solutions and dyeing cotton blue tints of good fastness.

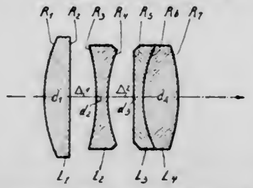
2,084,713
ROTARY KILN
Howard C. Thayer, Jersey City, N. J., assignor to Quigley Company, Inc., New York, N. Y., a corporation of New York
Application March 7, 1936. Serial No. 67,633
19 Claims. (Cl. 263—22)

1. A rotary kiln of the class having a cylindrical metal shell with a refractory lining and enclosing a chamber through which advances the material under treatment, the lining, in at least one longitudinal zone of the chamber, being formed with a system of interior pockets to lift the material and shower it through the sectional volume of the chamber, subject to the treating action, and such lining being composed of generally wedge-shape refractory blocks closely assembled and keyed and interlocked with each



other by a system of dowels, the dowels extending longitudinally of the length of the rotary kiln, and the blocks being formed with complementary longitudinal recesses occupied by such dowels.

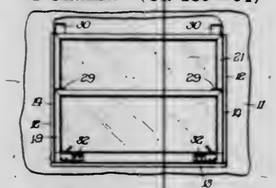
2,084,714
UNSYMMETRICAL PHOTOGRAPHIC OBJECTIVE
Albrecht Wilhelm Tronnier, Bad Kreuznach, Germany, assignor to the Corporation of Jos. Schneider & Co., Optotechnische Gesellschaft, Berlin, Germany
Application October 25, 1935, Serial No. 46,809
In Germany August 26, 1935
1 Claim. (Cl. 88—57)



An unsymmetrical photographic objective having six air-contacting surfaces and which is built up of an unsymmetrical dispersive lens embraced between two collective components and behind which dispersive lens the diaphragm is located, the structure being such that the collective component disposed on the rear and smaller radiating side of said dispersive component facing the image embraces a collective cemented surface the radius of curvature of which is equal to at least 80 per cent of the effective aperture diameter, and to which is assigned a refractive index difference of at least .06, whereas on the front side of the dispersive lens facing the incident light is disposed a single collective lens the refractive index of which is greater, by at least ⅓ the refractive exponent difference prevailing at the cemented surface, than the refractive index value for the same color prevailing at the interiorly disposed dispersive lens, characterized by the fact that the outer radius of the front lens on the greater radiating side is greater than 52½ per cent (according to its absolute value) of the flatter hollow radius R_3 (facing the front lens) of the interiorly disposed dispersive lens

and that in addition at the same time the central thickness d_1 of the front lens and of the air space separation Δ_1 between this lens and the succeeding, dispersive, lens is greater than 52½ thousandths of the total focal length of the objective.

2,084,715
WINDOW SASH
Christian M. Verhagen, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application September 23, 1935, Serial No. 41,638
4 Claims. (Cl. 189—64)



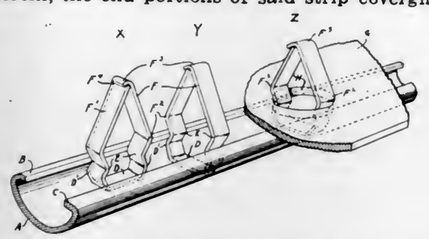
1. In a pick-up window sash assembly, the combination with a window frame bounding a window space upon three sides and opening at the fourth side into a recess, the frame presenting opposed parallel spaced guides in alignment with the entrance to the recess, of a plurality of sash members slidable along the guides in parallel planes, an upper one of the sash members carrying a bracket projecting upwardly beyond its upper edge and then laterally into the path of the other sash member for engagement thereby after the upper edge of the other sash member passes beyond the upper edge of the first sash member, whereby as one of the sash members is opened it moves independently of the other member until it engages the bracket and thereafter the two move in unison into the recess with the upper edges in staggered relation.

2,084,716
PROCESS OF OBTAINING ZINC OXIDE
Werner von der Ohe, Beuthen, Germany, assignor to firm of Polensky und Zöllner, Berlin, Germany
No Drawing. Application May 17, 1935, Serial No. 22,115. In Germany March 8, 1933
5 Claims. (Cl. 23—148)

1. The process of obtaining zinc oxide from a mixture containing zinc oxide and lead oxide, comprising admixing with the mixture zinc sulfide, heating the resulting mixture in a slightly reducing atmosphere at about 900° C. until formation of lead sulfide takes place, and separating the lead sulfide thus formed from the zinc oxide residue.

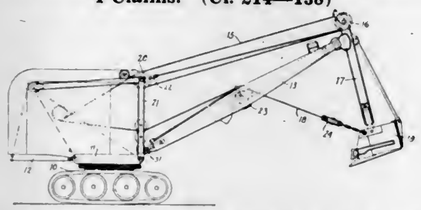
2,084,717
ATTACHING CLIP FOR MOLDING STRIPS
William R. Wiley, Detroit, Mich.
Application January 24, 1936, Serial No. 60,666
3 Claims. (Cl. 189—88)

1. In combination, a generally channel shaped molding strip having inturned flanges at its lateral edges, a sheet metal panel having an aperture therein and a clip for securing said molding strip to said sheet metal panel, said clip comprising a sheet metal strip formed into a closed loop and having the ends thereof interlocked to prevent relative movement therebetween, said clip being bent to provide indentations in opposite sides thereof, the central portion of said metal strip being generally arched to urge the bases of said indentations into engagement with the flanges on said molding strip to seat the clip therein, the end portions of said strip coverging



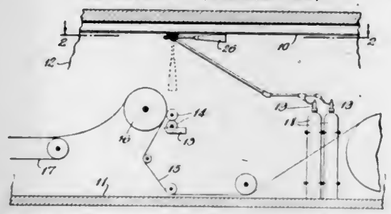
toward each other to provide a prong adapted for insertion into the aperture in said sheet metal panel.

2,084,718
BACK-DIGGER BOOM CONSTRUCTION
Roy H. Zeilman, Lorain, Ohio, assignor to Thew Shovel Company, Lorain, Ohio, a corporation of Ohio
Application July 11, 1936, Serial No. 90,238
4 Claims. (Cl. 214—138)



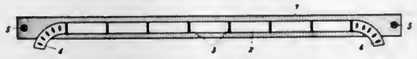
1. A boom construction adapted to back-digger type excavating machines, comprising spaced longitudinally extending side plates, transversely aligned bearing elements in the side plates generally centrally of the boom, a sheave supporting shaft rotatably mounted in the bearing elements, a transversely extending element rigidly fixed to the side plates adjacent their outer ends, and a tubular element rigidly secured to the transverse element at one end of said tubular element and at its opposite end encircling the shaft.

2,084,719
FIRE EXTINGUISHING APPARATUS
Scott E. Allen, Glen Ridge, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Application December 22, 1934, Serial No. 758,808
14 Claims. (Cl. 169—11)



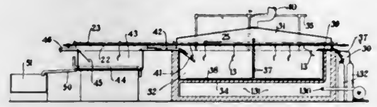
1. A fire extinguishing apparatus for protecting a predetermined area, said apparatus comprising a movable discharge device biased to move into operative position with respect to said area, a latch normally retaining the device in inoperative position, and means for simultaneously supplying said device with fire extinguishing fluid and releasing said latch.

2,084,720
GARMENT WAIST BAND
Paul Alexandre, Strasbourg, France
Application May 1, 1936, Serial No. 77,396
In Great Britain April 16, 1935
1 Claim. (Cl. 2—237)



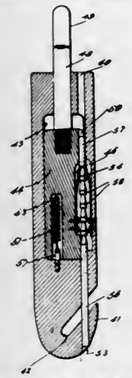
In a garment waistband having a lining a belt of elastic material with a rough surface supported by the lining and adjustable fastening means for the belt ends, the lining being formed by a ribbon of resistant cloth having at regular intervals its weft threads free of the warp threads intermediate the side edges in order to form loops for the passage of the belt and fastening means on the ends of the ribbon for affixing the belt.

2,084,721
PROCESS FOR THE PREPARATION, COOKING, AND CANNING OF CHICKENS AND OTHER BIRDS AND ANIMAL FLESH
William Ross Chamberlin Ashby, Ightham, England
Application November 22, 1933, Serial No. 699,260
In Great Britain December 3, 1932
5 Claims. (Cl. 99—107)



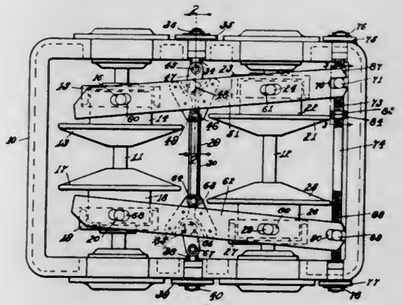
1. A process of treating fowl and particularly chicken for canning, consisting in passing the fowl through an inert atmosphere to remove oxygen therefrom, and then passing it through a body of heated oil from which the oxygen has been removed, whereby to cook the fowl and produce a roast product.

2,084,722
TORPEDO PLACEMENT HOOK
Del Baker, Shawnee, Okla.
Application June 18, 1935, Serial No. 27,245
8 Claims. (Cl. 294—83)



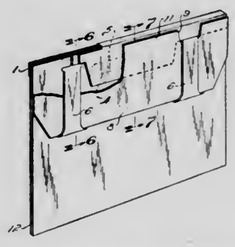
2. As a component part of a structure of the class described, an operating block notched on one edge and provided with aligned guide grooves, a lifting spring finger mounted in the notched portion, a return spring carried by said block, a cable eye attached to said block.

2,084,723
ADJUSTING MEANS FOR VARIABLE SPEED TRANSMISSION
Harry E. Brooks, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application March 27, 1936, Serial No. 71,108
14 Claims. (Cl. 74—230.17)



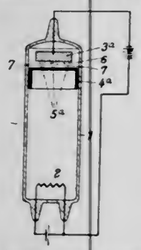
1. In a device of the class described, two parallel shafts, a pair of coned discs splined on each of said shafts and forming two expansible V-pulleys, and means for adjusting said discs comprising a third shaft between said two shafts, said third shaft being provided, adjacent its opposite ends, with oppositely threaded portions, a nut threadedly mounted on each of said threaded portions, each nut being formed to provide two parallel fulcrum members spaced from each other in the direction of the axis of said third shaft, a link for each of said nuts having one end pivotally mounted on one of said fulcrums, a plate pivotally connected to the opposite end of each of said links and having an open notch receiving the other of said fulcrums, and a lever secured to each of said plates and operatively associated with one disc of each pair.

2,084,724
LOOSE LEAF BINDER
Holland D. Cottrell and Alick Clarke, Detroit, Mich.
Application August 14, 1935, Serial No. 36,084
13 Claims. (Cl. 129—1)



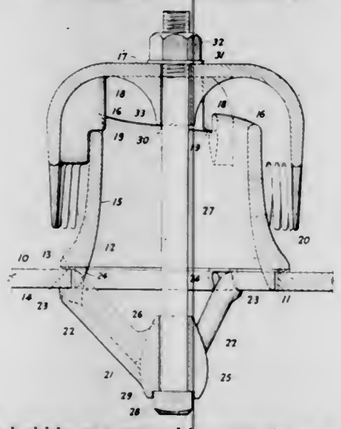
13. A loose leaf binder comprising a channel member, a pair of straps secured to and extending from one side of the channel member, a locking member secured to and foldable on the straps, the locking member being provided with a portion engageable against the side of the channel member opposite that side to which the straps are secured and insertable between the straps to maintain the straps under tension.

2,084,725
GAS-FILLED DISCHARGE TUBE
Walter Dällenbach, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands
Application January 6, 1933, Serial No. 650,572
In Germany March 3, 1932
9 Claims. (Cl. 250—36)



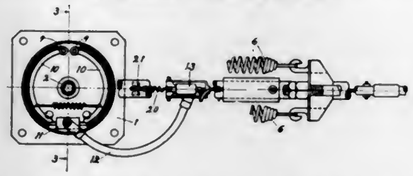
1. An electric discharge tube for the production of high frequency oscillations comprising a closed vessel, an anode, a cathode adapted to be maintained in incandescent state, an ionizable medium of sufficient pressure to maintain an arc discharge between said electrodes when potentials are applied to the latter, a separating wall between said electrodes, said wall having an opening therein the diameter of which is of the order of the magnitude of the mean free path length of the electrons, whereby the discharge path is constricted at said opening to a fraction of the remainder of the discharge path, and the prevailing current density of said discharge adjacent said opening causes a paucity of ions whereby the potential drop in the vessel increases with increase of current.

2,084,726
BUBBLE CAP
Harold Stewart Duey, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application March 23, 1936, Serial No. 70,268
11 Claims. (Cl. 261—114)



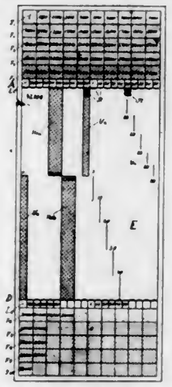
1. A bubble cap assembly comprising a riser, a cap for said riser, and mutually contacting means on said riser and said cap provided with circumferentially spaced seating surfaces of such a character that the spacing between said riser and said cap may be varied by a partial rotation of said cap with regard to said riser.

2,084,727
TROLLEY BASE
Charles I. Earll, York, Pa.
Application August 12, 1935, Serial No. 35,794
4 Claims. (Cl. 191—68)



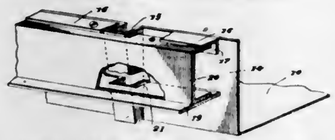
4. In a trolley base a combination with a support adapted to be secured to the roof of a vehicle, of a turret rotatably mounted on said support, a trolley pole, a pivotal connection for the trolley pole on said turret, a trolley rope connecting means on said pole, means operated by a pull above a predetermined limit on the trolley rope to retard the turning of said turret including means whereby said turret is free to turn when the pull on the rope is below a predetermined limit.

2,084,728
INDEXING DEVICE FOR DATA ON A CIRCULATING BAND
Alois Eberhardt, Frankfort-on-the-Main, Germany
Application June 22, 1933, Serial No. 677,095
In Germany June 25, 1932
15 Claims. (Cl. 40—86)



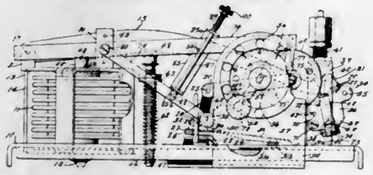
1. In a device for finding individual notes on a band, in combination a box-shaped housing, a window frame in said housing, rollers in said housing, a band on said rollers adapted to be moved under said window frame, notes applied on said band one behind the other and arranged in groups and sub-groups, colored marking means on said band extending the length of each of these groups and sub-groups, different colors being provided for the different groups of the first subdivision grade, stripes applied on the band in longitudinal direction parallel to one another, each stripe extending the length of one sub-group of notes and differing in its lateral position from the stripes coordinated to the other sub-groups of the same main group and finding stripes arranged adjacent said window frame transversely to said band corresponding in number to the number of colors on the band each stripe being colored to correspond with the color of its coordinate main group on the band and being subdivided in sections in its longitudinal direction, each section corresponding in its lateral position to the lateral position of the longitudinal stripe coordinated to the corresponding sub-group of the notes on the band, and each section being provided with a special mark characterizing the corresponding sub-group.

2,084,729
COOKING RECEPTACLE
Joseph D. Ferry, Harrisburg, Pa.
Application September 30, 1936, Serial No. 103,464
17 Claims. (Cl. 53—7)



1. A cooking kettle having a bottom, side and end walls, said side walls having expansion channels, a support, and means to secure the side walls of the kettle to the support.

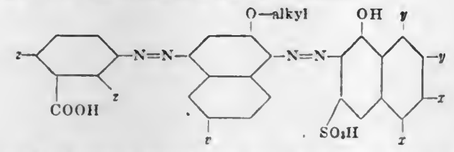
2,084,730
REFRIGERATING SYSTEM
Edwin R. Gill, Sr., Yonkers, N. Y., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application May 7, 1930, Serial No. 450,451
Renewed August 18, 1936
29 Claims. (Cl. 62—4)



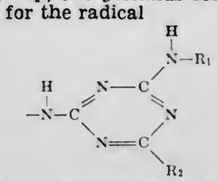
1. In a refrigerating system, the combination of a compressor for compressing a gas or vapor, electrical means comprising an electric circuit for actuating said compressor, means responsive to a normal low temperature limit for opening said circuit, means responsive to a normal high temperature limit for closing said circuit, separate resilient means opposing the action of said last named means to cause it to respond to a higher closing temperature, and means for automatically bringing said opposing means into and out of action.

2,084,731
AZO DYESTUFFS
Joseph Gyr and Otto Kaiser, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 26, 1935, Serial No. 33,416. In Switzerland July 30, 1934
9 Claims. (Cl. 260—27)

1. The azo-dyestuffs of the formula



in which one z stands for an OH-group and the other z for a hydrogen atom, v stands for a member of the group consisting of hydrogen and the SO_3H-group, one y stands for hydrogen and the other y for the radical



(in which R_1 is a member of the group consisting of monocyclic aryl radicals characterized by having an OH- and a COOH-group in ortho-position to each other, and radicals of the formula —A—B—C, where A is a monocyclic aryl radical, B is a member of the group consisting of



and —N=N—, and C is a monocyclic aryl radical having an OH- and a COOH-group in ortho-position to each other, and R_2 stands for a radical of a monocyclic aryl amine), and in which formula the two x's stand for hydrogen if the y standing in α-position represents a hydrogen atom, and one of the x's stands for hydrogen and the other x for an SO_3H-group if the y standing in β-position represents a hydrogen atom, which products are dark powders dissolving in water on addition of alkalies to blue to green solutions and dyeing cotton from a neutral or weakly alkaline bath similar tints which, when after-treated with copper on the fiber, become fast to light and washing.

2,084,732
FLAT KNITTING MACHINE
Joseph Haines, Jr., Meadowbrook, Pa., assignor to Haines Hosiery Mills, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 13, 1934, Serial No. 757,273
6 Claims. (Cl. 66—82)



1. A multi-section flat knitting machine comprising a plurality of mechanisms which cooperate to simultaneously produce a plurality of fabric blanks, including yarn carrier mechanism and loop length determining mechanisms differently allocated along the machine, and a loop regulating shaft from which said loop length mechanisms are operated; a main shaft from which all of the mechanisms are actuated; separate timing devices directly associated with all of the mechanisms and positioned in accordance with the allocation of the mechanisms; and a continuous auxiliary rotary shaft connecting said timing devices and adapted to operate the same in a predetermined sequence during each knitting cycle of the machine.

2,084,733
GARAGE DOOR OPENER
William T. Kahliff, Elyria, Ohio
Application March 5, 1936, Serial No. 67,383
1 Claim. (Cl. 268—59)

A device for opening and closing a door, comprising a track in the form of a channel having upstanding flanges, a carriage having wheels

mounted to move along the upper edges of the flanges of the track, means for connecting the carriage to the door which is to be opened and closed, an endless sprocket chain extended lengthwise of the bottom of the track and housed between the flanges, means for connecting one run of the sprocket chain to the carriage, means for mounting the sprocket chain, including a first shaft supported for rotation, a one-way motor, a driving connection between the motor and the first shaft, a second shaft supported on one of the flanges of the track, externally of the track, for rocking movement and extended lengthwise



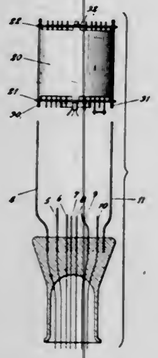
of the track, upstanding arms on the second shaft, an outstanding cam projection on one side of the carriage, yieldable means for rocking the second shaft in one direction to dispose the arms in such postion that they will be in the path of the cam projection, the cam projection then engaging the arms, one at a time, and rocking the second shaft in an opposite direction, means under the control of an operator for starting the motor, and mechanism for stopping the motor when the second shaft is rocked in said opposite direction by engagement between the cam projection and either arm.

2,084,734
ELECTRON DISCHARGE DEVICE

Walter L. Krahl, Swampscott, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application November 11, 1935, Serial No. 49,187

4 Claims. (Cl. 250—27.5)



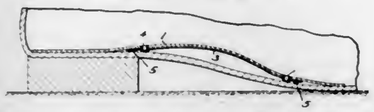
1. In an electron discharge device the combination of a pair of side-rod supports, and a unitary electrode assembly adapted to be telescoped as a unit on to said side-rods said assembly including a cathode and an anode, a pair of integral projections on opposite edges of said anode, a pair of insulator spacer members mounted at opposite ends of said anode, and means for fastening said spacer members to said anode, said spacer members having openings to receive said projections and said side-rods, and said supports being welded to said integral projections above the upper spacer and below the lower spacer.

2,084,735
FOOT APPLIANCE

Harry T. Krakau, Cleveland, Ohio; The Cleveland Trust Company administrator of said Harry T. Krakau, deceased

Application November 23, 1934, Serial No. 754,545

2 Claims. (Cl. 36—71)



1. A foot appliance of the class described, comprising an insole flexible attachment member having means for anchoring the same within a shoe upon the sole portion of the latter, and a spring arch member fastened to said attachment member and located so as to space the latter and the arch portion of the arch member a substantial distance away from the shank portion of the shoe, whereby these parts may act with bellows-like effect for circulating air about the foot, and may act with massaging or rubbing effect upon the arch of the foot as the weight of a person upon his foot in the shoe presses upon and relieves the pressure upon said appliance, said spring arch member having cut-outs at portions thereof in the direction of the front and rear portions of the shoe in which it is located, and said flexible attaching member having perforations disposed substantially in register with the cut-outs in the spring arch member.

2,084,736
PROCESS FOR PRODUCING YEAST

Sebastian Lutz and Robert Roy Irvin, Bloomfield, N. J., assignors to National Grain Yeast Corporation, Belleville, N. J., a corporation of New Jersey

No Drawing. Application July 1, 1933, Serial No. 678,718

5 Claims. (Cl. 195—94)

5. In a batch process for the propagation of yeast from a given quantity of yeast nutrients, the steps of introducing into the fermenter as a setting wort from $\frac{1}{6}$ to $\frac{1}{11}$ of said yeast nutrient together with water, and adding the remaining nutrients gradually and substantially continuously throughout the great part of the period of propagation as feed wort together with water in an amount from five to ten times that present in the setting wort, without removing yeast nutrients from the propagating wort mass during the growing process, the feed wort being supplied at a rate sufficient simultaneously to furnish the nutrients required by the growing yeast and to maintain the concentration of yeast per unit volume of wort substantially a constant value.

2,084,737
REAMER

Everett L. Magnus, Chicago, Ill., assignor of two-thirds to William J. Neumann and Paul Richard Konger, both of Chicago, Ill.

Application July 5, 1935, Serial No. 29,832

4 Claims. (Cl. 77—72)

1. A reamer comprising a substantially cylindrical body having helically extending flutes cut therein providing therebetween uninterrupted helically extending cylindrical lands which are unrelieved for at least one turn of the helix, the flutes and lands turning in a direction opposite to the direction of rotation for reaming, and the cylindrical wall portion of each land, inwardly of

the entering end of the reamer body, being relieved by an angularly ground surface which cuts the rearward edge of the land and merges into



the forward edge of the land adjacent the entering end of the reamer, providing downwardly directing helical shearing edge continuations of said cylindrical lands.

2,084,738
NOVELTY TIE CLASP

Roy J. Manker, Detroit, Mich.

Application June 22, 1936, Serial No. 86,437

2 Claims. (Cl. 24—49)



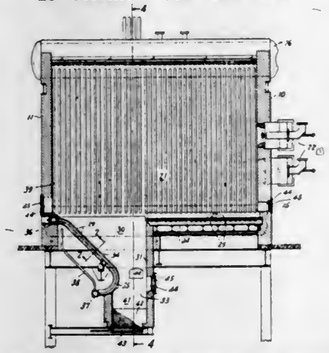
1. A tie clasp comprising, in combination, an element composed of wood having a length substantially that of the widest part of a tie and a major width at one end thereof of less than one half of an inch, said element tapering from its widest portion at one end thereof to its narrowest portion adjacent the other end thereof, and a flexible metal wire having one end extending axially into the larger end of said element while the major portion of the length of said wire is arranged to extend closely adjacent to the side of said element, said wire beng curved along its major length so that a part thereof yieldingly contacts the side of said element.

2,084,739
STEAM BOILER FURNACE

Dana H. N. Mayo, Ridgewood, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application February 14, 1935, Serial No. 6,450

15 Claims. (Cl. 122—338)



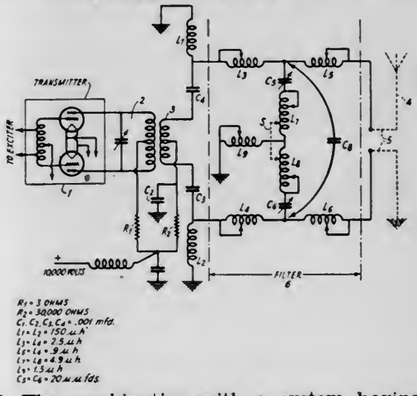
1. In a furnace having means for burning pulverized fuel in suspension, a bottom divided into two sections, one sufficiently flat to retain deposited ash and the other forming an ash hopper having opposite walls of different inclination, the wall of greater inclination being more exposed to ash erosion and the radiant heat of the furnace than the opposite wall, and means for cooling said wall of greater inclination.

2,084,740
FILTER CIRCUIT

Lewis J. McKesson, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 20, 1936, Serial No. 59,858

10 Claims. (Cl. 250—17)



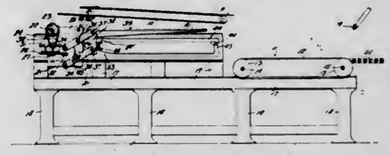
1. The combination with a system having a two wire path adapted to be traversed with alternating currents, of a filter circuit for attenuating second and third harmonic voltages from said path, said filter comprising a series circuit of capacitance, inductance and capacitance, in the order named, across said wires of said path, and another inductance connected effectively between the electrical center of said first inductance and ground.

2,084,741
CONTINUOUS AUTOMATIC LAYBOY

Richard P. Price, Erie, Pa., assignor to Hammermill Paper Company, Erie, Pa., a corporation of Pennsylvania

Application September 15, 1933, Serial No. 689,552

16 Claims. (Cl. 271—76)



1. In a machine for stacking sheet material, means to feed the sheets in a continuous stream, means to support the sheets in a stack, means to intercept the sheets as fed, at a plane above the second named means, means carrying said intercepting means, means for causing said carrying means to bring said intercepting means into intercepting position, means brought into action by the movement of said carrying means to intercepting position to cause the supporting means to discharge the stack of sheets therefrom, and subsequently operative automatic means to cause the intercepting means to deposit the sheets thereon upon the supporting means.

2,084,742
METER SYSTEM
Riccard Pudelko, Zug, Switzerland, assignor to Landis & Gyr, A-G., a corporation of Switzerland
Application August 28, 1930, Serial No. 478,539
In Switzerland September 2, 1929
4 Claims. (Cl. 177—351)



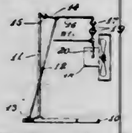
1. In a remote metering system, in combination, metering mechanism, a contact balance comprising a pivoted arm, operated by said metering mechanism and adapted to alternatively contact one or the other of two contact points, a transmission line connected to a source of direct current, a motor-operated switch in circuit with the transmission line for sending a continuous succession of impulses over said line, means connecting the contact balance in circuit with the motor, a reversing switch in the transmission line and means connected to said contact balance for operating the reversing switch by the contact balance for reversing the polarity of the impulses sent over the line.

2,084,743
HEAT EXCHANGER
John P. Rathbun, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 17, 1935, Serial No. 22,085
13 Claims. (Cl. 257—236)



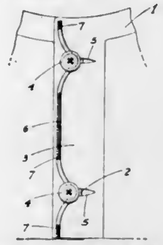
1. In heat exchange apparatus, the combination of baffle means providing a plurality of circuits each comprising a downwardly extending passage and an upwardly-extending passage, means for heating the liquid in the upwardly extending passage to vaporize a portion of the liquid and thereby to effect thermo-siphonic circulation of the liquid in the circuit, a dome or vapor space communicating with the upper portions of the several upwardly-extending passages for receiving the vaporized fluid, and means for conveying at least a portion of the liquid from one circuit to the next.

2,084,744
FAN
Sherrill S. Rathbun, Rockville Centre, N. Y.
Application April 15, 1936, Serial No. 74,485
15 Claims. (Cl. 230—256)



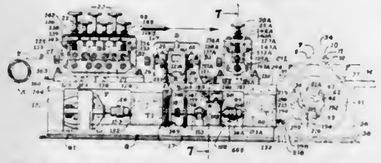
1. In an oscillating air circulating device, a powered fan, a pendulum mounted fan support terminating in an outward, substantially horizontal arm from which the fan depends, suspension means for the fan, connecting the latter with said arm, and means associated with said suspension means in cooperation with said fan support for alternately changing the position of said fan relative to said fan support.

2,084,745
BUTTON LOCK
Sydney W. Reynolds, Ripon, Calif.
Application February 21, 1936, Serial No. 65,135
2 Claims. (Cl. 2—243)



1. In a garment having flaps adapted to overlap each other, a button on one flap, the other flap having a button hole to receive said button when the flaps are in overlapping relationship and a flexible element extending down the button hole flap between its outer edge and the button hole and secured on the flap only at spaced points beyond the button hole on opposite sides thereof.

2,084,746
STRAIGHTENING MACHINE FOR LONG STOCK
Joseph H. Roberts, Waterbury, Conn., assignor to The F. B. Shuster Company, New Haven, Conn., a corporation
Application September 25, 1930, Serial No. 484,319
6 Claims. (Cl. 140—147)



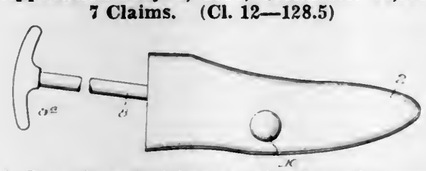
1. In an apparatus for straightening rod-like metal-stock, the combination with a group of stock-flexing rolls confining laterally the stock moving longitudinally between them, of means revolving said roll-group about the center of the path of the longitudinally moving stock, said means including a hollow driver rotatable about said path-center, hollow supporting means inside the hollow rotatable driver and secured thereto for support and rotation thereby, and a hollow arbor inside said hollow supporting means and journaled therein for support thereby in eccentric relation to the hollow rotatable driver said eccentric relation causing the arbor to be revolved by the driver by way of the supporting means, about the center of the path of the longitudinally moving stock, and said journaled relations of the arbor and supporting means preventing the arbor from being rotated by the driver and supporting means; said flexing-roll group being carried inside said hollow arbor and revolved but not rotated thereby; and said apparatus being formed with a passage for the stock

in which the stock is revolved about the center of its longitudinal path by said revolution of the arbor.

2,084,747
OPAQUE LEAD GLASS OF LOW MELTING-POINT
Jacob E. Rosenberg, Pittsburgh, Pa., assignor to The O. Hommel Company, a corporation of Pennsylvania
No Drawing. Application August 17, 1934, Serial No. 740,361
3 Claims. (Cl. 106—36.1)

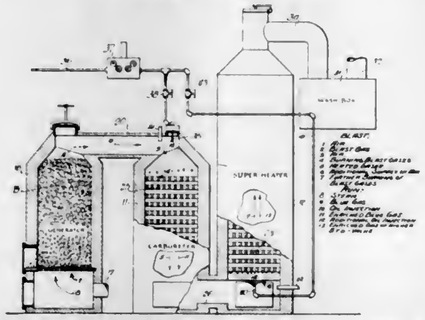
1. A low melting-point lead glass smelted from a batch of which lead oxide is by weight the major component and whose melting-point does not exceed 1400° F., in which there is additionally present an opacifying content of lead phosphate.

2,084,748
SHOE STRETCHER
John J. Schiller, Cicero, Ill.
Application May 5, 1936, Serial No. 77,999
7 Claims. (Cl. 12—128.5)



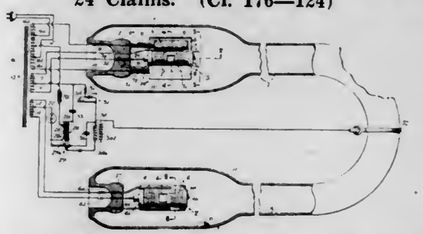
1. In a shoe stretcher, a pair of wooden members, each thereof having a flat side opposed to the other, said members having a transverse aperture therethrough; a metal tube in said aperture, said metal tube forming a guide means for movement of said members with respect to each other; a threaded bearing member mounted over said tube; a hand operable rod having a threaded portion threaded in said bearing member and having a thrust member secured thereon on each side of said bearing member; said wooden members having converging recesses opening on said flat side opposite to each other; and a pair of wedge-shaped expansion slugs mounted about said rod and said thrust member, said expansion slugs being moved longitudinally upon rotation of said hand rod.

2,084,749
METHOD OF MANUFACTURING WATER GAS
Earl L. Tornquist, Elmhurst, Ill.
Application August 6, 1932, Serial No. 627,681
2 Claims. (Cl. 48—205)



1. In a water gas set having a carbureter and superheater, the method of storing and utilizing sufficient heat for the carburetion of the water gas by relatively large amounts of an enriching ingredient, which method comprises heating the carbureter and superheater to substantially the same predetermined temperature by blasting the carbureter and superheater in series, directing a flow of water gas serially through said carbureter and superheater, injecting into said flow of gas controlled amounts of said ingredient into both the carbureter and superheater, and controlling the proportions injected into each of the carbureter and superheater so as to reduce the temperature in said superheater in accordance with the heat extracted from the carbureter by said injection, again blasting said carbureter and superheater, and employing the excess heat remaining in the blast gases after the subsequent blast has restored the heat extracted from the carbureter for reheating said superheater to said predetermined temperature.

2,084,750
GASEOUS DISCHARGE SYSTEM
Carl J. R. H. von Wedel, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application January 29, 1935, Serial No. 3,891
24 Claims. (Cl. 176—124)



7. In combination, a gaseous discharge device and therein a pair of anodes and a thermionic cathode adapted to receive therefrom an arc discharge; means for applying opposed alternating potentials to said anodes; choke means between said cathode and said potential applying means; a rectifier comprising anodes respectively connected to said opposed potential applying means, and a cathode; and means, connected to said rectifier cathode and inductively coupled to said choke means, for inducing in said choke means ripple voltages to oppose current fluctuations therein.

16. In a gaseous discharge device, a rectifying structure comprising a thermionic cathode; a cylindrical shield can surrounding said cathode and provided on respectively opposite sides with two discharge conducting apertures; and a pair of anodes adjacent said can on opposite sides thereof, in a plane axial of said can and at right angles to the axial plane containing said apertures.

2,084,751
GASEOUS ELECTRIC DISCHARGE DEVICE
Carl J. R. H. von Wedel, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application February 15, 1935, Serial No. 6,612
12 Claims. (Cl. 176—126)

1. A gaseous discharge device adapted to attain a high temperature in operation and comprising a filling of low pressure gas; a temperature-responsive source of vapor pressure; a pair of relatively spaced electrodes and means for initiating and means for maintaining therebetween a gaseous discharge, each said electrode comprising

a cylindrical conductive shield, end members for said shield, one of said members being provided with an aperture, and a cathode element in the form of a helix within and closely adjacent said shield and having a first extremity connected to said shield, the internal diameter of said helix



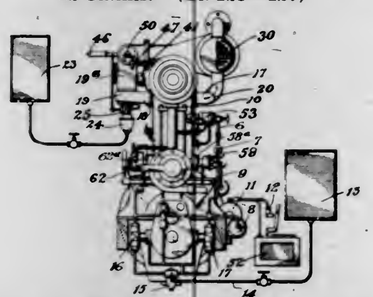
being several times the mean free path of electrons in said low pressure gas at temperatures existing within said shield before said vapor pressure rises; said discharge maintaining means being connected between the second extremities of the respective two said cathode elements.

2,084,752

INTERNAL COMBUSTION ENGINE

Brooks Walker, Piedmont, and Harry E. Kennedy, Berkeley, Calif.

Application September 9, 1931, Serial No. 561,848
12 Claims. (Cl. 123—127)



1. In an engine of the character described, means for introducing the intake air to the combustion chamber above atmospheric temperature to raise the final compression temperature to a predetermined degree for efficient auto ignition, a throttle for said engine, a diluting valve mechanism for regulating the temperature of the intake air, an automatic control for said valve mechanism influenced by the exhaust temperature and tending to maintain the temperature of said intake air regulated, and a connection between said valve mechanism and said throttle to actuate said valve mechanism upon changes in throttle position for varying the regulated temperature of the intake air to compensate for variations in the residual gas temperature in the cylinder of the engine and thereby maintain the final compression temperature substantially constant.

2,084,753

DRAINAGE SCREEN

Lloyd W. Watson, Oakland, and Orville B. Ackerly, Jr., Piedmont, Calif., assignors to Oliver United Filters Incorporated, San Francisco, Calif., a corporation of Nevada

Application August 20, 1935, Serial No. 37,002
4 Claims. (Cl. 210—195)



1. A drainage member for filters comprising a pair of superposed reticulated metal sheets held in spaced relation with each other by means of spaced parallel rows of interrupted ribs pressed into the inner face of each of said sheets.

2,084,754

PROCESS AND PRODUCT FOR THE STABILIZING OF UNSATURATED HYDROCARBONS

Charles P. Wilson, Jr., Houston, Tex.

No Drawing. Application August 15, 1934, Serial No. 739,934
6 Claims. (Cl. 44—9)

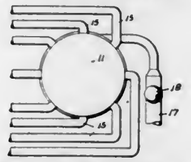
1. The method of inhibiting gum formation in low boiling liquid cracked hydrocarbon distillates, which comprises incorporating in the distillate a small amount of polyhydric phenol derivatives, said derivatives containing, as substituted groups, unsaturated constituents extracted from cracked naphtha by sulfur dioxide.

2,084,755

REFRIGERANT DISTRIBUTOR

Henry S. Young, Jr., Orange, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware

Application May 3, 1935, Serial No. 19,741
12 Claims. (Cl. 137—166)



1. In a refrigerant distributor, a casing, said casing being circular in cross-section, a plurality of discharge openings in said casing, means for supplying refrigerant to the casing and for causing the refrigerant to flow at high velocity around the inner surface of the casing in the form of a smooth sheet, refrigerant being drawn from said sheet through said openings.

2,084,756

SPINNING RING

George F. Albrecht, Saco, Maine

Application July 9, 1936, Serial No. 89,761
21 Claims. (Cl. 118—59.5)



1. A one-piece spinning ring of the kind which constitutes the sole guide for the traveler, said ring being of a metallic substance which is hard enough to form an acceptable guide for a traveler of the usual hook-type, the ring having an external supporting flange and being provided with an annular cavity concentric with the axis of the ring for the reception of a free body of oil, the material which separates such cavity from the surface with which the revolving traveler contacts, when in use, being of a porous nature having a multitude of capillary passages which collectively constitute the only substantial outlet from the oil cavity.

2,084,757

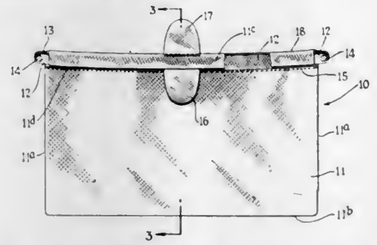
BAG WITH SPRING CLOSURE

Isador Alter, New York, N. Y.

Application April 18, 1936, Serial No. 75,068
12 Claims. (Cl. 150—10)

1. A bag construction of the character described comprising a pocket body portion having

a top opening, a pair of spring strip members disposed to extend in parallel relation along the edge of said opening, pivotal means interconnecting end portions of said members to permit one of said members to be swung in and out of said parallel relation with respect to the other member, said pivotal means being so constructed and arranged that the swinging movement of said member serves to resiliently bow both members for shaping said opening into a retained substantially circular form.



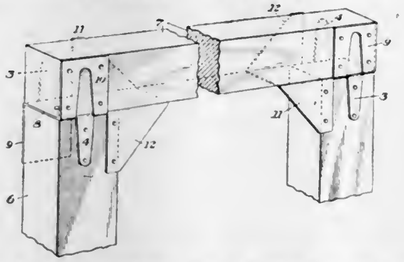
12. In a spring closure construction of the character described, a pair of spring members of unequal length normally assuming a curved shape in closely spaced parallel relation with respect to each other, pivotal means interconnecting with adjacent portions of said members inwardly from the ends thereof, said members being so constructed and arranged with one of said members swingably mounted on said means for movement out of said normal position to cause the ends of one of said strips to bear on the other for resiliently bowing into a retained shape the other of said members in a relatively opposite direction with respect to bowing of the first member.

2,084,758

CORNER BRACKET

Albert R. Anderson, Ambridge, Pa.

Application September 25, 1936, Serial No. 102,533
4 Claims. (Cl. 20—92)



1. A corner bracket for a frame, formed of a single piece of sheet metal cut, slitted and bent, and consisting of a medial web with parallel sides, from which web on one side rise a brace web and a tongue and from which on the other side rises an anchorage web, while from the web on the side first named depends an anchorage web and on the other side depend a brace web and a tongue.

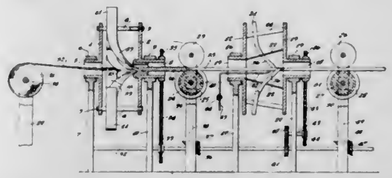
2,084,759

PAPER TACKING STRIP

Leslie F. Barnum, Detroit, Mich.

Application September 27, 1935, Serial No. 42,383
6 Claims. (Cl. 117—3)

1. The method of forming a paper tacking strip which consists in spirally wrapping paper ribbons about a paper strip, compressing the formation provided by the wrapped ribbons and



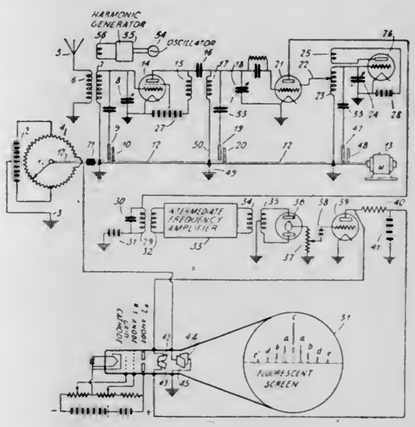
strip and forming the same into a reed, and spirally wrapping paper ribbons flat about the reed.

2,084,760

SYSTEM FOR RADIO SPECTROGRAPHY

Harold H. Beverage, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 10, 1934, Serial No. 719,827
16 Claims. (Cl. 250—1)



1. The method of analyzing energy including the carrier and sets of upper and lower side bands, resulting from the modulation of a carrier wave by modulating potentials which includes the steps of, producing direct current impulses the amplitude of which are characteristic of the amplitude of the said carrier and various side bands, separating said impulses as to time by intervals characteristic of the frequency spacing between said sidebands and said side bands and carrier and producing indications characteristic of the amplitude of said impulses and of the time intervals therebetween.

2,084,761

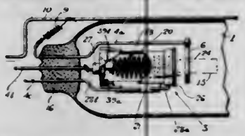
COUPLING

Dan T. Bradley, Detroit, Mich., assignor to Harris Products Company, Akron, Ohio, a corporation of Ohio

Application November 1, 1935, Serial No. 47,845
9 Claims. (Cl. 64—11)

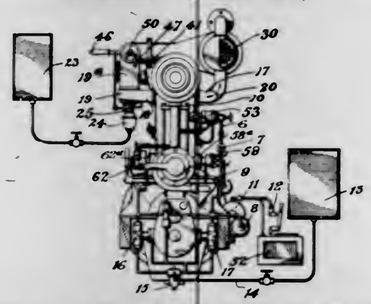
1. A power-transmitting coupling for connecting two rotatable members, comprising a housing, bushings of flexible material adapted to frictionally engage each of said members, a spacer axially movable within said housing and having its

a cylindrical conductive shield, end members for said shield, one of said members being provided with an aperture, and a cathode element in the form of a helix within and closely adjacent said shield and having a first extremity connected to said shield, the internal diameter of said helix



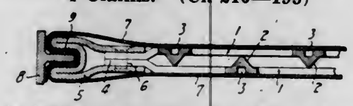
being several times the mean free path of electrons in said low pressure gas at temperatures existing within said shield before said vapor pressure rises; said discharge maintaining means being connected between the second extremities of the respective two said cathode elements.

2,084,752
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Brooks Walker, Piedmont, and Harry E. Kennedy, Berkeley, Calif.
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12 Claims. (Cl. 123—127)



1. In an engine of the character described, means for introducing the intake air to the combustion chamber above atmospheric temperature to raise the final compression temperature to a predetermined degree for efficient auto ignition, a throttle for said engine, a diluting valve mechanism for regulating the temperature of the intake air, an automatic control for said valve mechanism influenced by the exhaust temperature and tending to maintain the temperature of said intake air regulated, and a connection between said valve mechanism and said throttle to actuate said valve mechanism upon changes in throttle position for varying the regulated temperature of the intake air to compensate for variations in the residual gas temperature in the cylinder of the engine and thereby maintain the final compression temperature substantially constant.

2,084,753
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Lloyd W. Watson, Oakland, and Orville B. Ackerly, Jr., Piedmont, Calif., assignors to Oliver United Filters Incorporated, San Francisco, Calif., a corporation of Nevada
Application August 20, 1935, Serial No. 37,002
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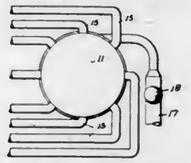


1. A drainage member for filters comprising a pair of superposed reticulated metal sheets held in spaced relation with each other by means of spaced parallel rows of interrupted ribs pressed into the inner face of each of said sheets.

2,084,754
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Charles P. Wilson, Jr., Houston, Tex.
No Drawing. Application August 15, 1934, Serial No. 739,934
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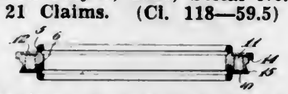
1. The method of inhibiting gum formation in low boiling liquid cracked hydrocarbon distillates, which comprises incorporating in the distillate a small amount of polyhydric phenol derivatives, said derivatives containing, as substituted groups, unsaturated constituents extracted from cracked naphtha by sulfur dioxide.

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Henry S. Young, Jr., Orange, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware
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1. In a refrigerant distributor, a casing, said casing being circular in cross-section, a plurality of discharge openings in said casing, means for supplying refrigerant to the casing and for causing the refrigerant to flow at high velocity around the inner surface of the casing in the form of a smooth sheet, refrigerant being drawn from said sheet through said openings.

2,084,756
SPINNING RING
George F. Albrecht, Saco, Maine
Application July 9, 1936, Serial No. 89,761
21 Claims. (Cl. 118—59.5)

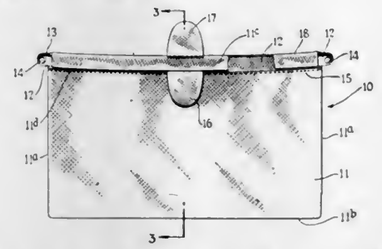


1. A one-piece spinning ring of the kind which constitutes the sole guide for the traveler, said ring being of a metallic substance which is hard enough to form an acceptable guide for a traveler of the usual hook-type, the ring having an external supporting flange and being provided with an annular cavity concentric with the axis of the ring for the reception of a free body of oil, the material which separates such cavity from the surface with which the revolving traveler contacts, when in use, being of a porous nature having a multitude of capillary passages which collectively constitute the only substantial outlet from the oil cavity.

2,084,757
BAG WITH SPRING CLOSURE
Isador Alter, New York, N. Y.
Application April 18, 1936, Serial No. 75,068
12 Claims. (Cl. 150—10)

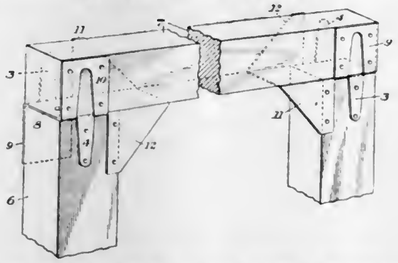
1. A bag construction of the character described comprising a pocket body portion having

a top opening, a pair of spring strip members disposed to extend in parallel relation along the edge of said opening, pivotal means interconnecting end portions of said members to permit one of said members to be swung in and out of said parallel relation with respect to the other member, said pivotal means being so constructed and arranged that the swinging movement of said member serves to resiliently bow both members for shaping said opening into a retained substantially circular form.



12. In a spring closure construction of the character described, a pair of spring members of unequal length normally assuming a curved shape in closely spaced parallel relation with respect to each other, pivotal means interconnecting with adjacent portions of said members inwardly from the ends thereof, said members being so constructed and arranged with one of said members swingably mounted on said means for movement out of said normal position to cause the ends of one of said strips to bear on the other for resiliently bowing into a retained shape the other of said members in a relatively opposite direction with respect to bowing of the first member.

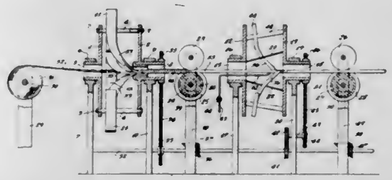
2,084,758
CORNER BRACKET
Albert R. Anderson, Ambridge, Pa.
Application September 25, 1936, Serial No. 102,533
4 Claims. (Cl. 20—92)



1. A corner bracket for a frame, formed of a single piece of sheet metal cut, slitted and bent, and consisting of a medial web with parallel sides, from which web on one side rise a brace web and a tongue and from which on the other side rises an anchorage web, while from the web on the side first named depends an anchorage web and on the other side depend a brace web and a tongue.

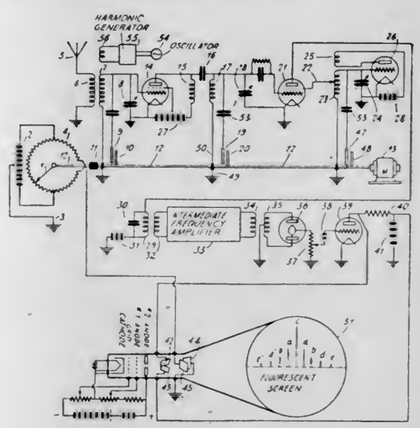
2,084,759
PAPER TACKING STRIP
Leslie F. Barnum, Detroit, Mich.
Application September 27, 1935, Serial No. 42,383
6 Claims. (Cl. 117—3)

1. The method of forming a paper tacking strip which consists in spirally wrapping paper ribbons about a paper strip, compressing the formation provided by the wrapped ribbons and



strip and forming the same into a reed, and spirally wrapping paper ribbons flat about the reed.

2,084,760
SYSTEM FOR RADIO SPECTROGRAPHY
Harold H. Beverage, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 10, 1934, Serial No. 719,827
16 Claims. (Cl. 250—1)

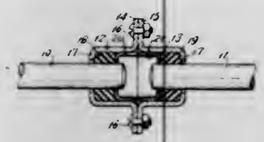


1. The method of analyzing energy including the carrier and sets of upper and lower side bands, resulting from the modulation of a carrier wave by modulating potentials which includes the steps of, producing direct current impulses the amplitude of which are characteristic of the amplitude of the said carrier and various side bands, separating said impulses as to time by intervals characteristic of the frequency spacing between said sidebands and said side bands and carrier and producing indications characteristic of the amplitude of said impulses and of the time intervals therebetween.

2,084,761
COUPLING
Dan T. Bradley, Detroit, Mich., assignor to Harris Products Company, Akron, Ohio, a corporation of Ohio
Application November 1, 1935, Serial No. 47,845
9 Claims. (Cl. 64—11)

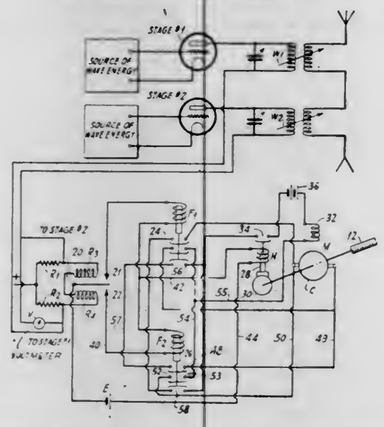
1. A power-transmitting coupling for connecting two rotatable members, comprising a housing, bushings of flexible material adapted to frictionally engage each of said members, a spacer axially movable within said housing and having its

opposite ends engaging the inner ends of said bushings, said housing having abutments therein engaging the outer ends of said bushings, said abutments being axially movable relative to said spacer to compress said bushings so that the lat-



ter will have substantially non-slipping engagement with said members and the interior of said housing, and means for retaining said abutments in the position in which said bushings are so compressed.

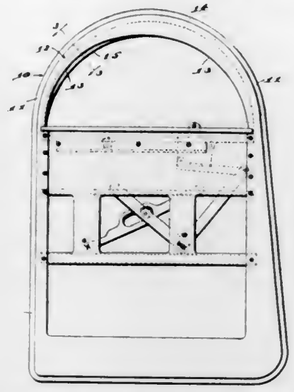
2,084,762
TRANSMITTER POWER CONTROL
Werner Buschbeck, Hans Prost, and Friedrich Boettcher, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 29, 1936, Serial No. 82,480. In Germany May 18, 1935
9 Claims. (Cl. 250—17)



1. In a transmitting system comprising a load circuit and a plurality of transmitter stages adjustably coupled thereto, means for producing currents characteristic of the difference between the currents supplied by said stages to said load circuit and means connected with said last named means for automatically adjusting said couplings so that said transmitter stages each supply substantially equal currents to said load circuit.

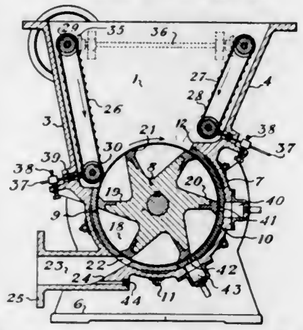
2,084,763
AUTOMOBILE DOOR VENTILATOR
Daniel L. Chandler, Somerville, Mass., assignor, by mesne assignments, to Arsee Company Inc., Salem, Mass., a corporation of Massachusetts
Application January 16, 1936, Serial No. 59,377
1 Claim. (Cl. 296—44)

A vehicle window having a frame forming an opening with a curved forward edge, a panel slidable in its plane for closing said opening, said panel having a curved forward edge of greater radius of curvature than the curvature of said frame, and a ventilator guard rigidly attached to the forward edge of the frame and be-



ing parallel to and spaced outwardly from the forward edge of the panel.

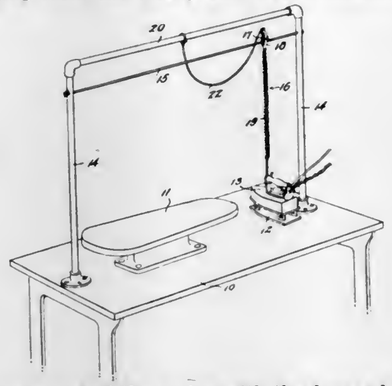
2,084,764
CONVEYING BULK MATERIALS
Eusebe J. L. F. Constantin, Paris, France, assignor to Fuller Company, a corporation of Delaware
Application March 21, 1936, Serial No. 70,010. In France March 29, 1935
9 Claims. (Cl. 302—49)



1. The method of conveying bulk materials through a pipe-line pneumatically, which comprises continuously withdrawing separate quantities from a source of supply, charging each quantity with a supply of air at high pressure, maintaining each quantity under a high intermediate pressure relatively to the pressure in the pipeline until the quantity is discharged into the pipe-line by charging it with an additional supply of air at an intermediate high pressure, discharging the quantities successively into the pipeline, and supplying additional air to the latter at low pressure and in sufficient volume to create the necessary air velocity to force the material to a delivery point.

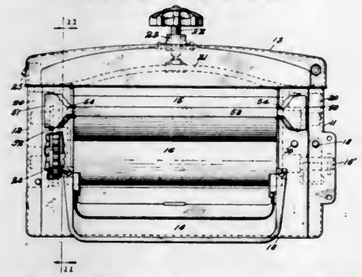
2,084,765
APPARATUS FOR PRESSING GARMENTS
Thomas Crocella, New York, N. Y.
Application February 21, 1936, Serial No. 65,082
3 Claims. (Cl. 38—42)

1. In an apparatus of the character described, an elevated supporting track, a pressing iron and a suspension means including a trolley associated with and longitudinally guided by the track, and a laterally flexible contractile spring depending from the trolley and means connecting



the lower end of the spring with the forward end of the handle of the pressing iron for exerting a resilient upward pull on the pressing iron and an upward tilting thereof when in operation for facilitating the lifting and moving of the same.

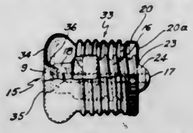
2,084,766
WRINGER
Nicholas L. Etten, Waterloo, Iowa, assignor to Chamberlain Corporation, Waterloo, Iowa
Application July 19, 1933, Serial No. 681,072
7 Claims. (Cl. 68—32)



1. A roll wringer mechanism comprising a lower frame, upper and lower rolls mounted therein, an upper transverse frame member removably attached to said lower frame, pressure means for the rolls supported in the transverse member, means for retaining the transverse member in position upon the frame including a link member pivotally supported in the transverse member, the link adapted to releasably engage a stationary portion of the lower frame, means for retaining said link in engagement comprising a lever member adapted to be rotated into position to abut the link in engagement with said stationary portion or out of such position, sliding means adapted to rotate said lever and hand rails mounted adjacent the wringer rolls adapted, when manipulated, to bring about movement of said sliding means.

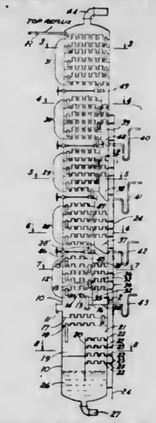
2,084,767
BULB HOLDER FOR FLASHLIGHTS
Giles C. Fullmer, Bridgeport, Conn., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application December 13, 1935, Serial No. 54,190
9 Claims. (Cl. 173—358)

9. A holder for a flash light bulb including a base having a shoulder and a center contact at one end, comprising a pair of hollow detachably connected members, one of said members having an annular shoulder of less diameter than the globe portion of the bulb to engage the same, the



other member having an end wall to engage the shoulder of the bulb base to retain the globe portion of the bulb against said shoulder of the first member, and means for securing said members in a flash light casing.

2,084,768
FRACTIONATING TOWER
James N. Garrison, Cleveland, Ohio
Application December 1, 1932, Serial No. 645,226
12 Claims. (Cl. 196—139)

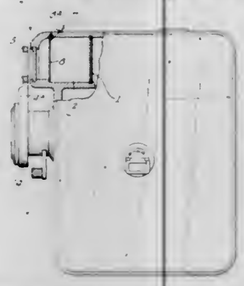


9. In oil treating apparatus of the class described, a fractionating tower, a plurality of rectifying sections within said tower, said rectifying sections being of successively decreasing cross sectional area from the lowermost section to the top section whereby a vapor path of upwardly flaring form is defined within said tower, a plurality of bubble trays arranged to form superimposed fractionating sections and extending across said vapor path and means for conveying liquid from the bottom bubble tray of each fractionating section to the rectifying section next below.

2,084,769
PHOTOELECTRIC EXPOSURE METER
Heinz Küppenbender, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application February 8, 1936, Serial No. 62,983
2 Claims. (Cl. 88—23)

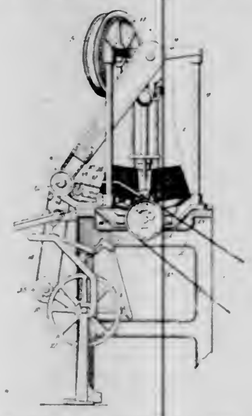
1. The combination of a photo electric exposure meter, with a photographic or motion picture camera having a casing wall provided with means for interchangeably mounting any one of a plurality of separate lens systems thereon, an opening in said casing wall, a projection extending inwardly from said casing wall and forming a light shaft in alinement with said opening, a photo electric cell positioned at the inner end of said light shaft, and means within said light shaft and

operable from the exterior of the camera for selectively admitting and shutting out the light rays which are adapted to energize said photo electric cell, said means in its inoperative position remaining within said light shaft, but out of the way of the incoming light rays, each lens system



having attached thereto a diaphragm of a size corresponding to the picture angle of the lens system and coming to lie in front of said opening through which said photo electric cell is adapted to be exposed to light when the lens system is in place on the camera.

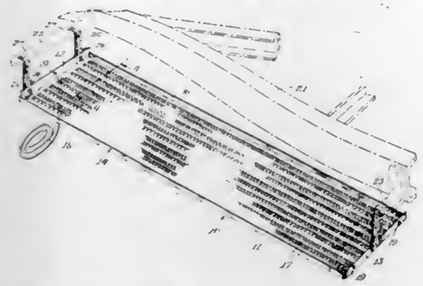
2,084,770
KNITTED STRAND COVERING MACHINE
Walter Larkin, Norristown, Pa., assignor to Fidelity Machine Company, Philadelphia, Pa., a corporation of Delaware
Application February 15, 1935, Serial No. 6,731
13 Claims. (Cl. 66—9)



1. In a braid type of strand covering machine, a knitting unit replacing the braiding unit to cover the strand with a knitted tube, the remaining active working means of the said machine working with the said knitting unit.

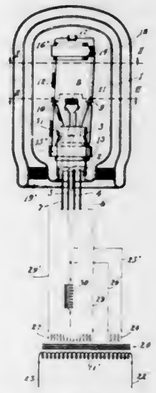
2,084,771
AUTOMOBILE RADIO ANTENNA
Paul L. Mann, Chicago, Ill., assignor to Consolidated Wire and Associated Corporations, Chicago, Ill.
Application February 8, 1936, Serial No. 62,880
4 Claims. (Cl. 250—33)

1. An automobile antenna comprising a substantially single-piece, uniplanular metal body having a lattice-like construction and shaped to fit beneath the running board of an automobile, a lead-in wire secured to the metal body, and a continuous electrolytically-deposited, flexible, live rubber coating covering the entire surface



of said metal body and the juncture of the lead-in wire with said metal body.

2,084,772
SODIUM VAPOR LAMP
John W. Marden, East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 29, 1933, Serial No. 668,506
19 Claims. (Cl. 176—122)

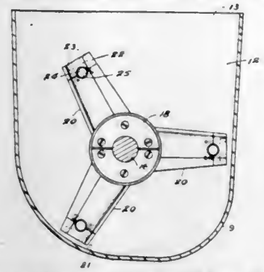


1. An electrical discharge device operable on alternating current comprising a sealed envelope, a thermionically active cathode, a gas at reduced pressure and sodium in said envelope, starting electrodes to produce a discharge to vaporize said sodium and a pair of electrodes, each of said electrodes being divided into a plurality of sections for ionizing said sodium vapor to produce light of relatively high intensity at relatively low current density.

2,084,773
DOUGH MIXER CONSTRUCTION
Erwin S. Mason, Norwood, and William G. Kirchhoff, Cincinnati, Ohio, assignors to The J. H. Day Company, Cincinnati, Ohio, a corporation of Ohio
Application May 17, 1935, Serial No. 22,018
8 Claims. (Cl. 259—109)

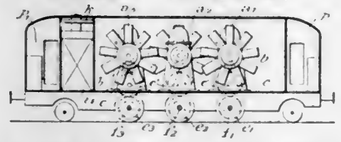
1. In a mixing machine for plastic substance, the combination of a tank having a working surface, an agitator bar, an agitator body having an arm with a transverse free end face movable past said surface, said end face being at the extreme end of the arm to enable the bar to rest on said

free end upon disposition of the arm to a vertically extended position, and a cap on the free



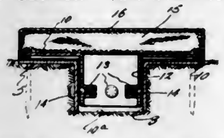
end for removably securing said bar directly upon said free end face of the agitator arm.

2,084,774
DIESEL-MOTOR DRIVEN RAIL-GUIDED VEHICLE
Theodor Müller, Winterthur, and Hans Wiederkehr, Zurich-Hongg, Switzerland, assignors to the firm Schweizerische Lokomotiv- & Maschinenfabrik, Winterthur, Switzerland
Application November 15, 1933, Serial No. 698,172
In Germany February 19, 1932
8 Claims. (Cl. 105—62)



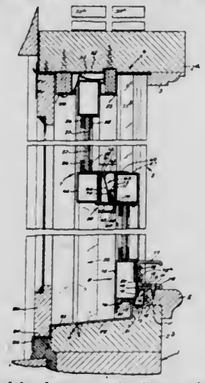
1. In a motor driven rail-guided vehicle particularly of a great driving power and having a body and a frame, a series of driving axles, radial cylinder Diesel engines each located on one side of the center of the body and each for independently actuating one of said axles, said engines being arranged above the vehicle frame within the vehicle body with their crank shafts extending parallel to said axles, said crank shafts having driving impulses applied thereto from the correlated surrounding sets of engine cylinders at equal acute angles apart at the center, and said sets being staggered as regards the longitudinal center line of the vehicle, and a driving arrangement intercalated between each crank shaft and the correlated driving axle with its primary portion arranged coaxial with the crankshaft within said body substantially on the side of the latter opposite to that on which the correlated engine is disposed, free access to said primary driving parts and said engines being thus provided together with a reduction in the weight of the vehicle relative to the driving power thereof.

2,084,775
BASEBALL BASE
Herbert E. Orefice, Hartford, Conn.
Application February 16, 1937, Serial No. 126,070
3 Claims. (Cl. 273—25)



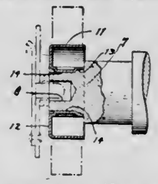
1. In a baseball base of the character described, a plate provided with means for anchoring into the ground, said plate being also provided at the center thereof with an opening and a depending flange, said flange adapted to be positioned within a recess in the ground, a second plate adapted to be positioned over the first plate, said second plate being also provided at its center with an opening and a depending flange adapted to be disposed downwardly within the confines of the flange of the first plate, the flange of said second plate being provided with inwardly extending sockets, spring pressed balls engaged in said sockets and adapted to have frictional engagement with the flange of the first plate for releasably retaining the plates in assembled position, and a cushion member resting on the second plate.

2,084,776
WINDOW
Edmund Peremi and Louis Toth, Manhasset, N. Y.
Application March 13, 1935, Serial No. 10,803
20 Claims. (Cl. 189—65)



1. In a double-hung window, the combination with a pair of sliding sashes, of frame jambs forming sash guides, and yieldable sash engaging members housed one in each jamb and each including a fixed body portion and free marginal webs or tongues, the tongues of each member being independently yieldable and disposed at an angle to one another to continuously engage, respectively, against an edge and a face of the sash, the edge engaging tongues acting in opposed relation against the opposite edges of the sash.

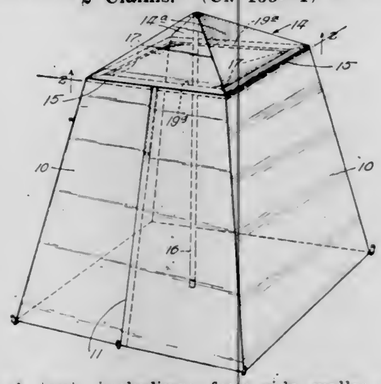
2,084,777
CARPET SWEEPER
Edward B. Poggensee, Chicago, Ill.
Application September 12, 1935, Serial No. 40,202
1 Claim. (Cl. 74—216)



In a carpet sweeper, the combination of a wooden sweeper brush shaft with a drawn metal power wheel having a flat rim and traction wheels bearing against and rotating said power wheel, said power wheel drawn from a disk of metal and having a flange extending from said rim to an integral holding sleeve extending parallel and

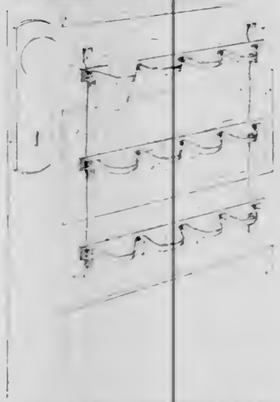
in the same direction as said rim, and a plurality of spaced apart wedge shaped keys depressed in said holding sleeve, allowing the sleeve to be placed over the end of the brush shaft and forced thereon to cause the wedge shaped keys to secure the power wheel upon the wooden brush shaft and assure even wear on the power wheel when rotated by the traction wheels.

2,084,778
TENT
Frank M. Powers, Chicago, Ill., assignor of one-third to Thomas C. Powers and one-third to David W. Powers, both of Chicago, Ill.
Application July 3, 1936, Serial No. 88,893
2 Claims. (Cl. 135—1)



1. A tent, including: four side walls; a top having four faces with their lower edges joined to the upper edges of the side walls; a vertical pole for the top; four pockets at the corners where the top faces join the side walls; and four separate rigid bars, one adjacent the junction of each side wall and top face, the ends of said bars being inserted in said pockets.

2,084,779
SHOE RACK
Evan R. Rosser, Williamsport, Pa.
Application February 11, 1936, Serial No. 63,434
1 Claim. (Cl. 211—35)



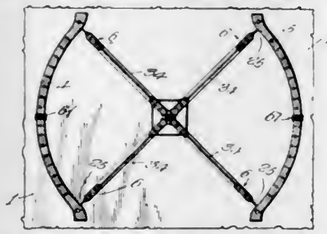
A rollable shoe rack comprising a pair of laterally spaced vertically disposed flat flexible straps adapted for securement at their ends to a wall surface; a plurality of horizontally extending narrow flat rigid bars secured at their ends to the front sides of said straps, said bars spaced one above another; and a flat flexible strip of material secured to the outer face of each bar at spaced intervals to provide a plurality of shoe confining loops, the ends of each strip secured by the securement between a bar and said straps, the heel of a shoe supportable by the upper edge of a bar.

2,084,780
SEWING KIT
James Jernigan Sanders, Nashville, Tenn.
Application April 29, 1936, Serial No. 77,046
3 Claims. (Cl. 223—108)



1. Sewing kit including a casing, a unitary core within said casing having an internal bore, said core being exteriorly rabbetted at one end defining a flange surrounding the mouth of said bore, a thimble forming a cover for said casing, and a lid for said core externally thimble-shaped and underlying the thimble for supporting the same, said lid having a bore telescoping on said flange and a counter-bore with penetrable bottom in which needles housed in the core are adapted to be impaled.

2,084,781
REVOLVING DOOR CONSTRUCTION
John W. Shields, Evansville, Ind., assignor, by mesne assignments, to International Door Company, Evansville, Ind., a corporation of Illinois
Application May 10, 1935, Serial No. 20,844
11 Claims. (Cl. 20—18)

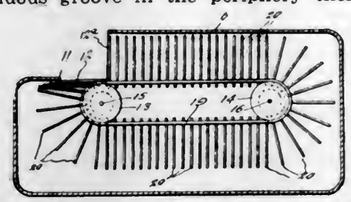


8. In a revolving door, a pair of segmental abutments each comprising a pair of curved sections longitudinally coupled edge to edge, and an enlarged vertically extending end post formed integrally with the opposite extremities of each of said sections.

2,084,782
ANIMATED MOTION PICTURE MACHINE
Jack M. Storey and Pleasant E. Smith, Herrin, Ill.
Application April 17, 1936, Serial No. 75,008
3 Claims. (Cl. 88—19)

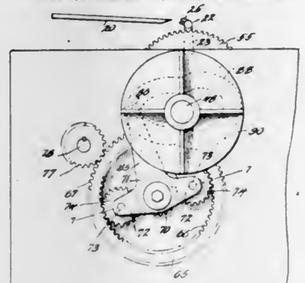
1. A device of the character described comprising a casing, a pair of substantially opposed spools journaled in said casing, an endless elastic web trained over said spools and provided with a continuous series of relatively spaced transverse slits, and a series of picture display cards mounted on and spaced around said web, each of said display cards having a dove-tail locking tab engaging in

one of the slits, and each of said spools having a continuous groove in the periphery thereof to



accommodate the locking pads of the picture display cards.

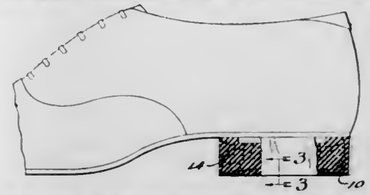
2,084,783
PRINTING PRESS
Frederick W. Seybold, Westfield, N. J., assignor to American Type Founders Incorporated, Elizabeth, N. J., a corporation of New Jersey
Application April 3, 1936, Serial No. 72,622
20 Claims. (Cl. 101—232)



17. In a printing press or the like, in combination, a pair of spaced side frames, a feed board, a printing couple including an impression cylinder provided upon its periphery with sheet grippers, an impression cylinder shaft mounted for rotation in suitable bearings carried by said side frames, a drive shaft also rotatably carried by said side frames, a gear carried by said drive shaft upon one side of the press, a gear carried by said impression cylinder shaft and meshing with said drive shaft gear, a sun gear of a planetary gearing assembly rigidly carried by the opposite end of said drive shaft, a ring gear and a planet carrier each rotatably mounted upon said drive shaft, a grooved cam member rigidly carried by one end of said impression cylinder shaft, a lever arm carried by said planet carrier and adapted to be guided by said cam groove to oscillate said planet carrier, a set of auxiliary grippers revolubly mounted upon said side frames for movement in an orbit which contains and is eccentric to said impression cylinder, gearing connecting said set of auxiliary grippers with said ring gear, the shape of said cam groove being such that through the oscillation of said planet carrier the set of auxiliary grippers is caused to move through its orbit at a variable speed for the more effective transfer of the sheet from the feed board to the cylinder grippers.

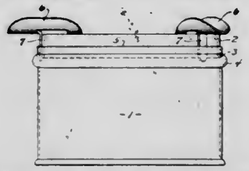
2,084,784
EMBEDDING OF ABRASIVE AND LIKE PARTICLES IN RUBBER
Rodolphe Stahl, Detroit, Mich.
Application January 25, 1936, Serial No. 60,790
4 Claims. (Cl. 106—23)

1. As an article of manufacture, a rubber composition matrix having embedded therein but exposed upon the surface thereof granular abrasive matter, each granule having a metal coat plated thereto and vulcanized to the rubber, so that



said granules are positively retained in said surface to increase the frictional properties thereof.

2,084,785
SMOKER'S APPLIANCE
Walter C. Wagner, Oneida, N. Y.
Application March 20, 1936, Serial No. 69,924
2 Claims. (Cl. 131—51)



1. A detachable cigar or cigarette rest unit, comprising a transversely upwardly curved body of sheet metal, and a tongue formed within said body and depressed therefrom so as to depend from said body substantially midway between the ends thereof and substantially perpendicular to its longitudinal axis, said tongue being flat and presenting a relatively broad face transversely disposed respecting said body.

2,084,786
REFECTORY TABLE
William P. Yow, Winston-Salem, N. C., assignor to Southern Steel Stampings, Incorporated, Winston-Salem, N. C., a corporation of North Carolina
Application April 18, 1935, Serial No. 17,083
10 Claims. (Cl. 311—57)



1. In a refectory table, a main top rigidly secured to and having an end portion spaced above a frame, said frame including side rails and a slotted end rail, an extension normally positioned between said end section and said frame, slides secured to said extension and extending through the slots of said end rail to support said extension for sliding movement into position to aline with said main top, a cam rod pivotally mounted upon said frame, and operating means carried by said extension for actuating said cam rod to engage both slides to clamp the same against the lower face of said main top.

2,084,787
METHOD AND APPARATUS FOR VENTILATING AN ENCLOSED SPACE
Michael V. Zaustinsky, Battle Creek, Mich.
Application February 21, 1934, Serial No. 712,278
1 Claim. (Cl. 98—2)

The combination with an automobile having an enclosed body and an engine, a passage on

said body opening at one end against the relative current of air when the automobile is in motion and at the other end in the direction of said current, a second passage opening into the first mentioned passage intermediate said ends and into said body, an enclosed chamber having



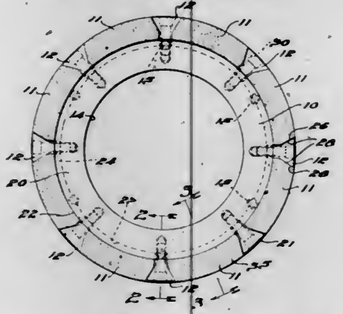
a filtering and distributing wall at the inner end of said second passage, and means for closing one or the other ends of said first mentioned passage at will, whereby a plenum of filtered air is created in said body and whereby the accumulated dust on the inner surface of said wall is removed.

2,084,788
URINAL
Virginia H. Anderson, Philadelphia, Pa.
Application December 2, 1936, Serial No. 113,763
11 Claims. (Cl. 4—112)



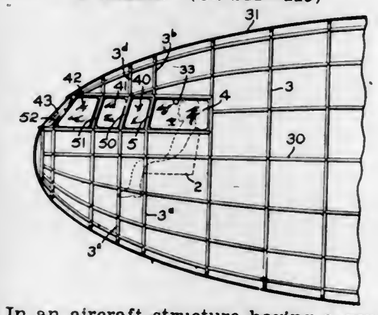
1. A urinal comprising a body, hollowed and tapered for the purpose of fitting in the crotch between the legs of a patient, the forward end of the urinal having a substantially vertically positioned opening for the reception of the urine as it leaves the urethra, the forward end of the urinal also having an extension to be inserted under and conforming to the contour of the rump or buttocks of the patient while in a lying down position for the purpose of holding the urinal in position and without dislodging therefrom.

2,084,789
GRINDING WHEEL
Alan P. Beebe, Detroit, Mich., assignor to Peninsular Grinding Wheel Co., a corporation of Michigan
Application June 13, 1936, Serial No. 85,001
6 Claims. (Cl. 51—209)



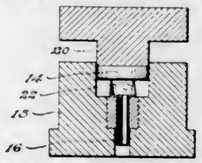
3. A grinding wheel comprising a circular adapter having lateral and peripheral walls normal to each other, said walls being arranged inwardly of the outer periphery of the adapter, said adapter being provided with an annular groove in said peripheral wall, a plurality of clamps arranged adjacent said lateral and peripheral walls, a plurality of segments of abrasive material arranged between said clamps and said peripheral wall, means for moving said clamps toward said peripheral wall, and guiding means on each of said clamps extending into said annular groove.

2,084,790
CABIN AND WINDOW STRUCTURE
Frank R. Canney, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application December 16, 1936, Serial No. 116,158
5 Claims. (Cl. 244—119)



1. In an aircraft structure having a generally rounded cross section and elongated shape with a generally rounded end, structural members disposed to resist expansive stresses developed by internal pressure, and a skin carried by said structural members, said structural members being interrupted over an appreciable area to afford an opening, and tension members extending across such opening and connecting structural members at opposite sides thereof, and disposed substantially along geodesic lines, to transmit such stresses most directly and substantially entirely in tension.

2,084,791
METHOD OF PRODUCING DETACHABLE TOP LIFT
James Verner Critchley, Worcester, Mass., assignor to Fitz-On Sales Corporation, Worcester, Mass., a corporation of Massachusetts
Application June 7, 1934, Serial No. 729,463
1 Claim. (Cl. 12—147)

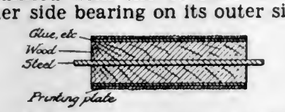


The method of producing a detachable top lift of rubber compound or the like which comprises the formation of a top lift blank from rubber compound with a permanently attached nonyielding fibre backing conforming accurately to the shape and dimensions of the blank, assembling the blank in an assembly cavity with a post having offset attaching prongs, the post and blank being held in predetermined aligned relationship, and positively forcing the blank on to the prongs until the fibre backing engages with and seats upon the shoulders formed by the offset prongs, the latter penetrating the fibre backing and rubber portion and being clinched within the rubber portion.

2,084,792
METHOD AND MEANS FOR REPRODUCING AND PRINTING WOOD GRAINS AND THE LIKE
Vincent De Maria, Asbury Park, N. J., and Irma Stankovits Kiss, New York, N. Y.
Application June 17, 1933, Serial No. 676,310
18 Claims. (Cl. 95—5.6)

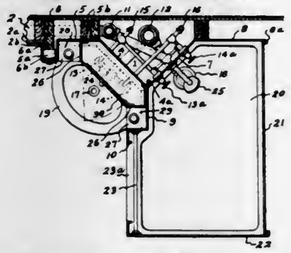
1. The method of producing a printing device

comprising a roller having a rigid core, a layer of elastic material on said core and concentric therewith and a sheet of non-metallic resilient material united with the exterior of said layer on its inner side bearing on its outer side an en-



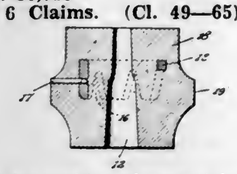
graved relief pattern for printing, which consists in placing said rigid core in an annular mold of greater diameter and centering the same therein, then pouring the elastic material around said core and allowing it to set, then wrapping and annealing the plate thereon.

2,084,793
BATHROOM EQUIPMENT
Archibald C. Denison, Glendale, Ohio
Application January 21, 1937, Serial No. 121,634
13 Claims. (Cl. 4—3)



1. In combination in a bathroom, means forming a projecting generally V-shaped wall away from a corner of the room, lavatory fittings mounted at the far side of said wall away from the corner, shower bath fittings mounted at the side of said wall toward the corner, and pipe connections for said fittings located in the generally prism shaped space formed by said wall.

2,084,794
GLASS MOLD
Charles J. Dockray and Harry J. Dockray, Zanesville, Ohio
Original application January 2, 1935, Serial No. 146. Divided and this application July 10, 1935, Serial No. 30,710
6 Claims. (Cl. 49—65)



1. A mold for making glass articles which consists of a casting having a mold chamber therein and provided with a reinforcing member surrounding the mold chamber and embedded in and forming a permanent part of the casting.

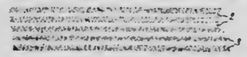
2,084,795
SYSTEM AND METHOD FOR SECURING THIRD DIMENSIONAL EFFECTS WITH A SINGLE IMAGE
Harold P. Donle, Meriden, Conn., assignor of one-half to Chester H. Braselton, New York, N. Y.
Application December 16, 1933, Serial No. 702,744
14 Claims. (Cl. 88—16.6)

1. In a system for producing stereoscopic effects in projected pictures, a screen, means to project an image upon said screen, and means optically interposed between an observer and said screen to cause the image as seen by one eye of the observer



to be rotated with respect to the image seen by the other eye through an angle sufficient to produce a stereoscopic effect without causing undue eye strain.

2,084,796
COTTON BATTING
Russell S. Dwight, Cincinnati, Ohio, assignor to The Stearns & Foster Company, Lockland, Ohio, a corporation of Ohio
Application September 15, 1936, Serial No. 100,902
2 Claims. (Cl. 19—145)

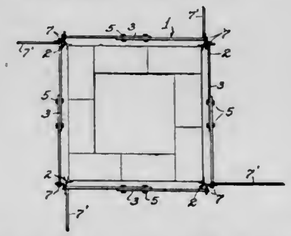


1. Cotton batting comprised of laminations of layers of cotton fibres alternately dominantly bleached and unbleached, whereby the cotton batting is caused to possess improved heat insulating qualities.

2,084,797
METHOD OF PRESERVING GREEN FODDER
Robert G. Ferris, Harvard, Ill., assignor to Starline, Inc., Harvard, Ill., a corporation of Illinois
No Drawing. Application March 14, 1935, Serial No. 11,163
3 Claims. (Cl. 99—8)

2. The method of preserving green fodder, consisting in filling the bottom of a storage receptacle largely with sulfur dioxide, showering the fodder into the receptacle, permitting it to fall through the sulfur dioxide to the bottom of the receptacle and adding sulfur dioxide from time to time to maintain a considerable layer thereof above the level of the fodder while the same is being added.

2,084,798
CHIMNEY CORNER GUIDE
Frank B. Gabriel, Lake City, Iowa
Application March 2, 1936, Serial No. 66,747
2 Claims. (Cl. 33—85)



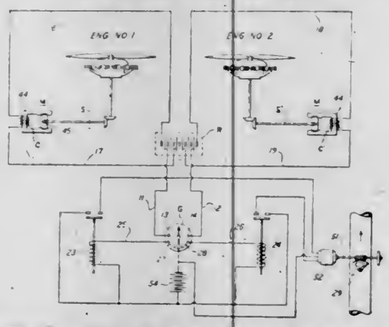
1. A corner guide comprising a plurality of vertically arranged guide members each including a plate-like portion, diverging rests and connecting portions formed integrally with opposite edges of said plate-like portion, means adjustably connecting the connecting portions of said members to one another with the rest portions contacting a structure at the corners thereof while being assembled.

2,084,799
LAWN MOWER SHARPENER
Clark R. Garris, Seattle, Wash.
Application July 19, 1934, Serial No. 736,061
In Germany September 31, 1933
6 Claims. (Cl. 51—250)



1. A method of making a lawn mower sharpener which comprises forming a rectangle of rigid, non-flexible bendable sheet metal, forming a similar equivalent rectangle of abrasive coated fabric, placing the two said rectangles together with the abrasive surface out whereby they coincide, firmly attaching the two said rectangles along a pair of opposite edges, and curving the said rectangles adjacent and parallel a thus joined edge with the sheet metal inside whereby the said abrasive coated fabric is pulled tight between the attached edges to overlie the said sheet metal closely and smoothly and whereby the bend thus formed is adapted to removably embrace the shrubbery bar of a lawn mower and position the sharpener to contact tangentially the cutting edge of a rotary blade with the abrasive surface.

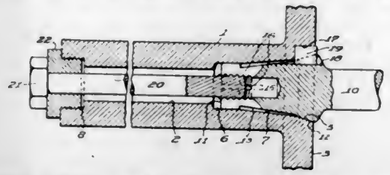
2,084,800
INDICATING AND CONTROL APPARATUS
John Gartner, New York, N. Y., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application March 30, 1935, Serial No. 13,987
8 Claims. (Cl. 60—97)



1. The method of determining the speed ratio between two independently rotating elements which comprises the steps of generating alternating currents of magnitudes and frequencies which depend upon the rates of movement of respective elements being studied, isothermally rectifying the currents thus generated, and producing an indication of the potential characteristic of the resulting rectified current.

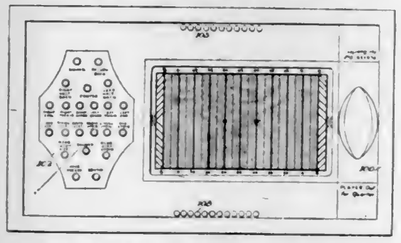
2,084,801
MACHINE TOOL SPINDLE AND ARBOR
Peter P-G. Hall, Philadelphia, Pa., assignor to The Hall Planetary Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 27, 1936, Serial No. 71,101
14 Claims. (Cl. 90—11)

1. A machine tool spindle having an axial bore terminating at one end in an outwardly tapered annular zone and providing a cylindrical zone axially spaced therefrom, and, in combination therewith, an arbor extending into said bore having a tapered zone engaging said tapered zone and a cylindrical zone spaced therefrom and aligned with the cylindrical zone in the spindle, and means operating to cause exertion of radial



pressure between said cylindrical zones to thereby rigidly clamp the arbor in the spindle.

2,084,802
FOOTBALL GAME
Thomas J. Hamilton, Annapolis, Md., and Donald G. Hamilton, Sewickley, and Clarence W. Wood, Bellevue, Pa.
Application April 2, 1935, Serial No. 14,344
5 Claims (Cl. 273—94)



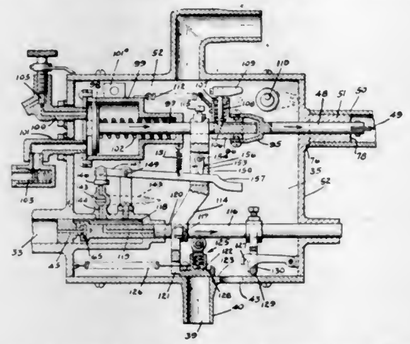
1. A football game comprising a plurality of men bearing indicia whereby they are divided into groups of linemen, ends and backs, the men of each group being divided into different classifications of playing ability as stars, seconds and scrubs, whereby each contestant controls the disposition of playing ability in his line-up, means for concealing said indicia from an opposing player, a plurality of cards each bearing a table indicating results of different plays according to the playing ability of the men involved therein, and means for indicating the progress of the game.

2,084,803
TYPEWRITING MACHINE
Henry Joseph Hart, West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application May 1, 1936, Serial No. 77,420
3 Claims. (Cl. 197—82)



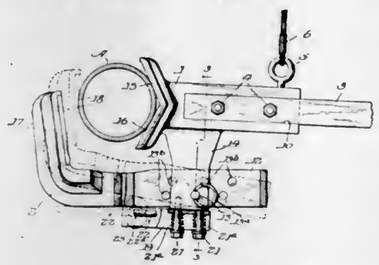
1. In a typewriter or like machine, an escapement mechanism including a rack, a shaft, a pinion loose on the shaft and rotatable by said rack, an escapement wheel fixed to the shaft, a back dog pivoted on the escapement wheel and having a nose successively engageable with the teeth of said pinion during rotation of the latter, a spring carried by the escapement wheel for urging the dog into engagement with the pinion, and a spring arm having one end fixed to said dog and having a portion of its free end disposed between the nose of the dog and the pinion tooth immediately in front of said nose.

2,084,804
ANESTHETIZING APPARATUS
Walter R. Henion, Minneapolis, Minn., assignor to The Heidbrink Company, Minneapolis, Minn., a corporation of Minnesota
Application November 25, 1932, Serial No. 644,219
37 Claims. (Cl. 128—203)



1. In combination with a machine for delivering inhalation fluids, a breathing tube attached to the machine and having a mask, valve for controlling delivery of fluid from the machine into the tube, automatic means for closing said valve and means separate from the breathing tube and mask attached directly to the machine and adapted for swinging adjustment and having a movable element thereon operable only by a circumscribing or grasping action of the entire hand of a patient, to open said valve when grasping is completed, and operable when grasping action ceases to permit instant closure of said valve by said automatic means to stop delivery.

2,084,805
WRENCH
Jason N. Horner, Los Angeles, Calif., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application May 28, 1935, Serial No. 23,871
4 Claims. (Cl. 81—99)



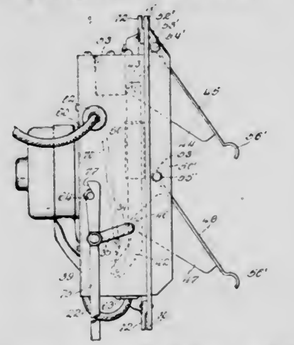
4. In a wrench of the class described comprising a handle having a fixed jaw, a movable L-shaped jaw having a plurality of openings in its shank for selective connection to a lower depending extension from the said fixed jaw, a pin passing respectively through one of said openings and a complementary opening in said extension, a locking case resiliently attached to the said extension, displacement means mounted upon said locking case and engaging the said movable jaw whereby upon actuation of the said displacement means the said movable jaw is arcuately moved so as to close the said jaw upon an article being gripped.

2,084,806
MANUFACTURE OF HAMS
Will W. Hubenet, Detroit, Mich.
Application September 5, 1933, Serial No. 688,093
5 Claims. (Cl. 99—107)



1. The process of manufacturing ham which comprises simultaneously reducing the cross-sectional area and extruding a boned ham to form an elongated article substantially uniform in cross-sectional shape, disposing the article as it is extruded into an elongated container while maintaining the form of the article, and cooking the article while in said container.

2,084,807
VENTILATOR
Herman C. Hueglin, Chicago, Ill., assignor to Airmaster Corporation, Chicago, Ill., a corporation of Illinois
Application July 10, 1936, Serial No. 89,901
5 Claims. (Cl. 98—43)



1. In combination, a supporting panel having an opening therethrough, a fan mounted substantially centrally in said opening and having a fixed support on said panel, a plurality of louvres hinged at corresponding edges to said panel and connected together for conjoint swinging movement, and means for simultaneously swinging said louvres outwardly of said panel and energizing said fan, comprising a pivoted crank on said panel, a spring normally holding said crank in louvre closed position, a lever pivoted intermediate its ends on said crank and movable longitudinally for opening said louvres, and stop means on said panel engaged by one end of said lever in louvre-open position for holding the crank in actuated position against the action of said spring, said lever being rotatable about said crank for disengagement from said stop means.

2,084,808
SOUND AND PICTURE REPRODUCING APPARATUS FOR ADVERTISING PURPOSES
William C. Hyde, Hollywood, Calif., assignor to Royal Revues, Inc., Hollywood, Calif.
Application February 8, 1937, Serial No. 124,613
3 Claims. (Cl. 40—33)

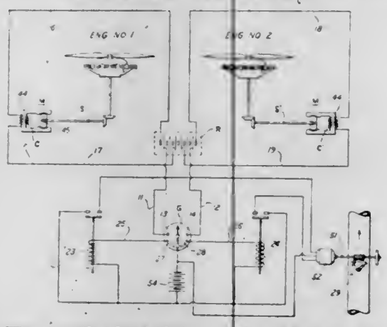
1. In an apparatus of the kind described, stationary upstanding supporting means, an upper rotatable picture support mounted thereon, a lower rotatable picture support mounted thereon,

2,084,799
LAWN MOWER SHARPENER
Clark R. Garris, Seattle, Wash.
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In Germany September 31, 1933
6 Claims. (Cl. 51—250)



1. A method of making a lawn mower sharpener which comprises forming a rectangle of rigid, non-flexible bendable sheet metal, forming a similar equivalent rectangle of abrasive coated fabric, placing the two said rectangles together with the abrasive surface out whereby they coincide, firmly attaching the two said rectangles along a pair of opposite edges, and curving the said rectangles adjacent and parallel a thus joined edge with the sheet metal inside whereby the said abrasive coated fabric is pulled tight between the attached edges to overlie the said sheet metal closely and smoothly and whereby the bend thus formed is adapted to removably embrace the shrubbery bar of a lawn mower and position the sharpener to contact tangentially the cutting edge of a rotary blade with the abrasive surface.

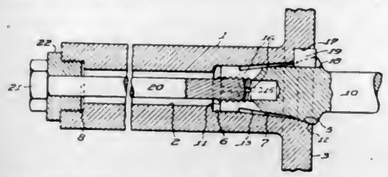
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John Gartner, New York, N. Y., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
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1. The method of determining the speed ratio between two independently rotating elements which comprises the steps of generating alternating currents of magnitudes and frequencies which depend upon the rates of movement of respective elements being studied, isothermally rectifying the currents thus generated, and producing an indication of the potential characteristic of the resulting rectified current.

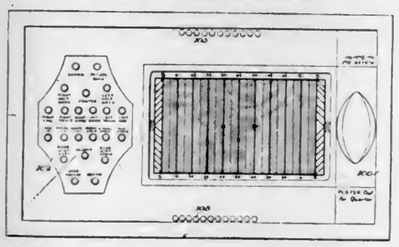
2,084,801
MACHINE TOOL SPINDLE AND ARBOR
Peter P-G. Hall, Philadelphia, Pa., assignor to The Hall Planetary Company, Philadelphia, Pa., a corporation of Pennsylvania
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1. A machine tool spindle having an axial bore terminating at one end in an outwardly tapered annular zone and providing a cylindrical zone axially spaced therefrom, and, in combination therewith, an arbor extending into said bore having a tapered zone engaging said tapered zone and a cylindrical zone spaced therefrom and aligned with the cylindrical zone in the spindle, and means operating to cause exertion of radial



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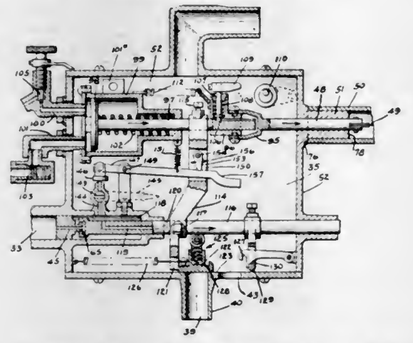
1. A football game comprising a plurality of men bearing indicia whereby they are divided into groups of linemen, ends and backs, the men of each group being divided into different classifications of playing ability as stars, seconds and scrubs, whereby each contestant controls the disposition of playing ability in his line-up, means for concealing said indicia from an opposing player, a plurality of cards each bearing a table indicating results of different plays according to the playing ability of the men involved therein, and means for indicating the progress of the game.

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3 Claims. (Cl. 197—82)



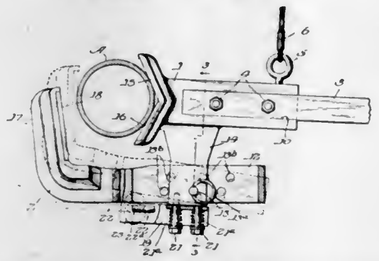
1. In a typewriter or like machine, an escapement mechanism including a rack, a shaft, a pinion loose on the shaft and rotatable by said rack, an escapement wheel fixed to the shaft, a back dog pivoted on the escapement wheel and having a nose successively engageable with the teeth of said pinion during rotation of the latter, a spring carried by the escapement wheel for urging the dog into engagement with the pinion, and a spring arm having one end fixed to said dog and having a portion of its free end disposed between the nose of the dog and the pinion tooth immediately in front of said nose.

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37 Claims. (Cl. 128—203)



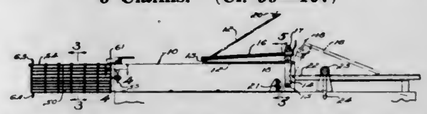
1. In combination with a machine for delivering inhalation fluids, a breathing tube attached to the machine and having a mask, valve for controlling delivery of fluid from the machine into the tube, automatic means for closing said valve and means separate from the breathing tube and mask attached directly to the machine and adapted for swinging adjustment and having a movable element thereon operable only by a circumscribing or grasping action of the entire hand of a patient, to open said valve when grasping is completed, and operable when grasping action ceases to permit instant closure of said valve by said automatic means to stop delivery.

2,084,805
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Jason N. Horner, Los Angeles, Calif., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application May 28, 1935, Serial No. 23,871
4 Claims. (Cl. 81—99)



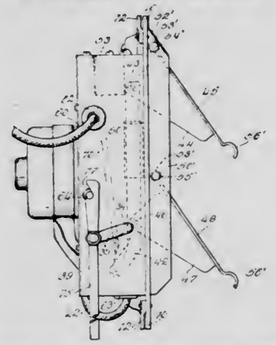
4. In a wrench of the class described comprising a handle having a fixed jaw, a movable L-shaped jaw having a plurality of openings in its shank for selective connection to a lower depending extension from the said fixed jaw, a pin passing respectively through one of said openings and a complementary opening in said extension, a locking case resiliently attached to the said extension, displacement means mounted upon said locking case and engaging the said movable jaw whereby upon actuation of the said displacement means the said movable jaw is arcuately moved so as to close the said jaw upon an article being gripped.

2,084,806
MANUFACTURE OF HAMS
Will W. Hubenet, Detroit, Mich.
Application September 5, 1933, Serial No. 688,093
5 Claims. (Cl. 99—107)



1. The process of manufacturing ham which comprises simultaneously reducing the cross-sectional area and extruding a boned ham to form an elongated article substantially uniform in cross-sectional shape, disposing the article as it is extruded into an elongated container while maintaining the form of the article, and cooking the article while in said container.

2,084,807
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Herman C. Hueglin, Chicago, Ill., assignor to Airmaster Corporation, Chicago, Ill., a corporation of Illinois
Application July 10, 1936, Serial No. 89,901
5 Claims. (Cl. 98—43)

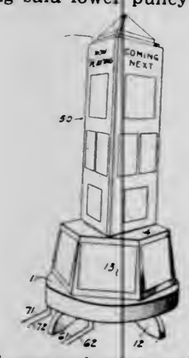


1. In combination, a supporting panel having an opening therethrough, a fan mounted substantially centrally in said opening and having a fixed support on said panel, a plurality of louvres hinged at corresponding edges to said panel and connected together for conjoint swinging movement, and means for simultaneously swinging said louvres outwardly of said panel and energizing said fan, comprising a pivoted crank on said panel, a spring normally holding said crank in louvre closed position, a lever pivoted intermediate its ends on said crank and movable longitudinally for opening said louvres, and stop means on said panel engaged by one end of said lever in louvre-open position for holding the crank in actuated position against the action of said spring, said lever being rotatable about said crank for disengagement from said stop means.

2,084,808
SOUND AND PICTURE REPRODUCING APPARATUS FOR ADVERTISING PURPOSES
William C. Hyde, Hollywood, Calif., assignor to Royal Revues, Inc., Hollywood, Calif.
Application February 8, 1937, Serial No. 124,613
3 Claims. (Cl. 40—33)

1. In an apparatus of the kind described, stationary upstanding supporting means, an upper rotatable picture support mounted thereon, a lower rotatable picture support mounted thereon,

each of said upper and lower supports being telescopically arranged in spaced rotation and having secured to it a driven pulley which rotates in a substantially horizontal plane, ball bearings supporting and maintaining the spaced arrangements of said upper and lower supports, a belt having an upper run engaging said upper pulley and a lower run engaging said lower pulley, a driving pulley



around which one end portion of said belt passes, an idle pulley around which the opposite end portion of said belt is passed, mounting means for said idle pulley, said mounting means comprising a freely suspended bifurcated block, yieldable traction means to maintain said belt taut, and a support to which said traction means is fastened.

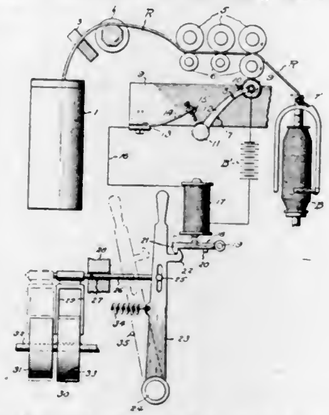
2,084,809
AUTOMOBILE CHASSIS
Stephen Jencick, Chagrin Falls, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation
Application July 19, 1934, Serial No. 736,051
3 Claims. (Cl. 180—54)



1. An automobile chassis consisting primarily of a substantially H-shaped frame, the middle portion thereof comprising right and left hand complementary hollow members secured together along a longitudinal joint and forming the longitudinal medial part of the chassis and enclosing the engine cylinder, crankcase, transmission, drive shaft and differential, and the cross portions thereof forming the ends of the chassis.

2,084,810
ELECTRICAL STOP MOTION FOR ROVING FRAMES
Early D. Jones, Columbus, Ga., assignor to Bibb Manufacturing Company, Macon, Ga.
Application September 9, 1935, Serial No. 39,831
2 Claims. (Cl. 19—165)

1. In a roving machine, a frame having carrier rolls for feeding a roving to a bobbin, an electric circuit closer mounted on said frame to control the operation of said rolls and comprising: a lever of conducting material pivoted between its ends and grounded to said frame, a roll mounted to rotate on one end of said lever, the other end of said lever being weighted to hold said roll normally in contact with one of said carrier rolls, a source of electrical energy connected to said frame, a contact mounted on and insulated from said frame in the path of movement of said other end, wiring connecting said contact to said source, an electro-magnet interposed in said wiring and energized by the contact of said other end with said contact, mechanism controlling the rotation



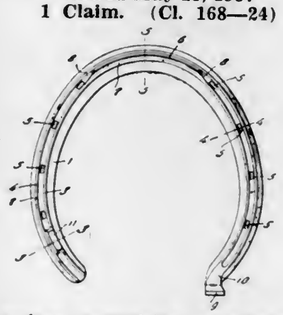
of said carrier rolls, means for holding said mechanism normally in inoperative position, and an armature for said magnet adapted to hold said mechanism in operative position only when the circuit through the magnet is broken.

2,084,811
METHOD OF MAKING GLASS NOZZLES
Alexis W. Keen, Passaic, N. J., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application January 10, 1936, Serial No. 58,482
8 Claims. (Cl. 49—84)



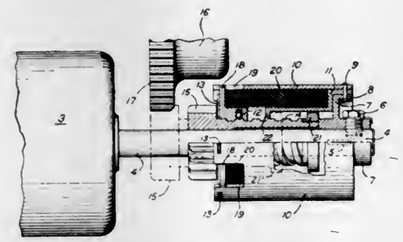
1. The method of imparting to a glass nozzle a predetermined shape, which consists in inserting in a glass tube a drift having the shape to be imparted to the orifice of the nozzle, closing an end of the tube, heating the tube about the drift sufficiently to soften the glass thereabout and exhausting air from the tube through its other end while the tube is softened by the heat to cause the atmospheric pressure to mold the soft glass snugly about the drift.

2,084,812
HORSESHOE
Earl H. Langlois, Detroit, Mich.
Application May 15, 1935, Serial No. 21,645. Renewed May 13, 1937
1 Claim. (Cl. 168—24)



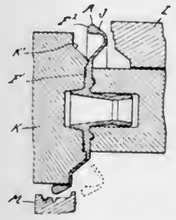
A horseshoe comprising a substantially C-shaped plate, spaced inner and outer reinforcing ribs on the lower face of said plate, an arcuate toe calk on an intermediate portion of said plate, an integral heel calk on one end of the plate, and a heel calk on said plate between said reinforcing ribs at a point in spaced relation to the other end thereof said heel calk being disposed longitudinally of said plate.

2,084,813
ENGINE STARTING MECHANISM
Raymond P. Lansing, Montclair, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Original application August 6, 1931, Serial No. 555,633. Divided and this application August 17, 1936, Serial No. 96,494
1 Claim. (Cl. 74—7)



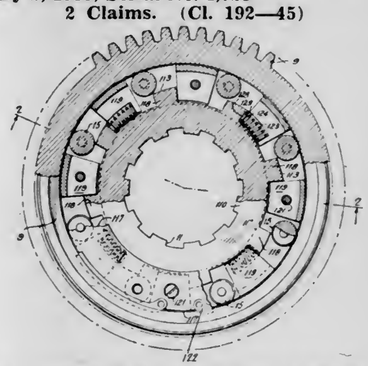
In a device of the class described, a driving shaft, a driven gear, a member connected with said shaft to rotate therewith, a nut splined to said member for rotary movement therewith and limited movement axially thereof, a sleeve freely mounted on said shaft and threadedly engaging said nut, a plurality of teeth on said sleeve engageable with the teeth of said gear on movement of said sleeve along said shaft, and compressible means interposed between said rotatable member and said nut for absorbing the shock incident to the application of torque to said pinion and gear through said nut.

2,084,814
METHOD OF FORMING BRAKE DRUMS
Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application January 22, 1934, Serial No. 707,800
9 Claims. (Cl. 29—152.2)



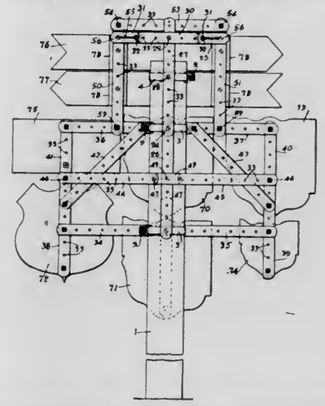
1. In a method of forming brake drums, the steps of forging a conical cupped blank of smaller diameter than the finished drum but with sufficient metal in the walls of the cup for forming the complete drum, and spinning the blank to successively radially enlarge the conical cup, turn a reverse flange from the peripheral portion of said conical cup and in refashioning the conical cup and reverse flange into drum form.

2,084,815
DRIVING MECHANISM
Francis Linder, Paris, France, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Original application November 26, 1932, Serial No. 644,497. Divided and this application February 2, 1935, Serial No. 4,723
2 Claims. (Cl. 192—45)



1. An overrunning clutch comprising a driving member, a driven member, a roller cage interposed therebetween and concentric therewith and capable of only limited angular play relative to said driven member, rollers journalled in said cage, said rollers having supporting ends free to gyrate relative to said cage, whereby each roller may move out of contact with the driven member as well as the driving member during a portion of each revolution, and means disposed between successive rollers for advancing said cage through a sufficient arc relatively to said driven member to carry all said rollers into position to transmit torque from said driving member to said driven member.

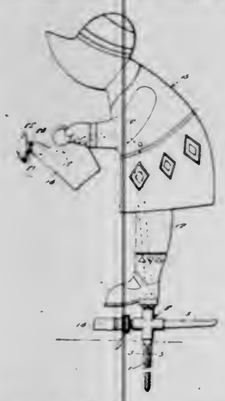
2,084,816
HIGHWAY SIGN AND MARKER BRACKET
William M. Littlefield, Sidney, Ohio, assignor to The Sidney Elevator Company, Sidney, Ohio, a corporation of Ohio
Application January 29, 1936, Serial No. 61,265
9 Claims. (Cl. 40—145)



1. A highway sign bracket comprising a plurality of members secured end to end to form a substantially rectilinear frame, said members being of substantially the same length and interchangeable with one another, a clamp secured to

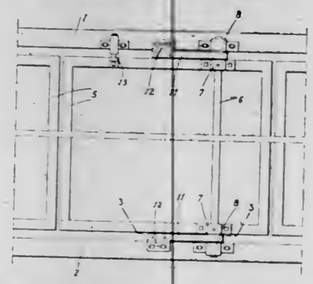
said framework and having a portion arranged to encircle a post, braces secured at one end to said framework, and supplemental members interconnecting said braces with said clamp.

2,084,817
LAWN SPRINKLER
Huel B. Lombard, Brookings, S. Dak.
Application July 21, 1936, Serial No. 91,741
3 Claims. (Cl. 299—69)



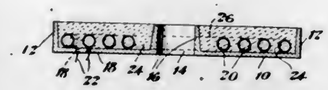
1. A sprinkler of the character described comprising a stake adapted to be driven into the ground, a substantially cruciform fitting having a branch threaded onto the upper end of the stake, a member for use in driving the stake into the ground having an end threadedly engaged in a second branch of the fitting, a water supply hose coupled to a third branch of the fitting, a head, a tube extending through the head and movable therewith, means swivelly connecting one end of the tube with a fourth branch of said fitting, and a spray nozzle connected with the relatively opposite end of said tube.

2,084,818
BILLBOARD
Joe R. Neil, Sacramento, Calif.
Application March 20, 1937, Serial No. 132,171
5 Claims. (Cl. 40—138)



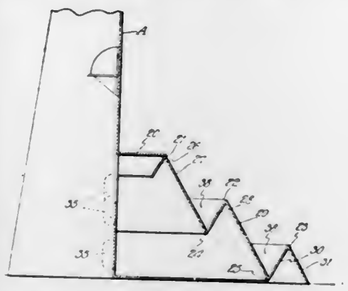
1. A billboard comprising a frame, a panel, means pivoting the panel on the frame, said means being disposed to one side of the center of area of the panel and including a shaft projecting beyond one edge of the panel; a radial cam fixed on said projecting end of the shaft; and a pair of spaced leaf springs rigidly mounted at one end on the frame and engaging the cam therebetween at the other end.

2,084,819
ELECTRIC HOT PLATE
John D. Morgan, South Orange, N. J., and Russell E. Lowe, New York, N. Y., assignors to Power Patents Company, Jersey City, N. J., a corporation of Maine
Application July 17, 1936, Serial No. 91,136
2 Claims. (Cl. 219—37)



1. An electric heater comprising a thin porcelain base plate of low heat conductivity, a metallic resistor consisting of chrome-iron-aluminum wire wound in a helical coil and disposed on top of the plate with ends connected to closely spaced terminal elements, and a refractory work-supporting plate of high heat conductivity surmounting and bonded to the porcelain plate and embedding the resistor, said plate consisting essentially of a mixture of milled grain zircon, ferrosilicon and a small amount (about 1%) of aluminum hydrate bonded with the reaction products of phosphoric acid therewith.

2,084,820
DISPLAY DEVICE
Richard Eaton Paige, Flushing, N. Y.
Application April 30, 1936, Serial No. 77,084
11 Claims. (Cl. 211—137)

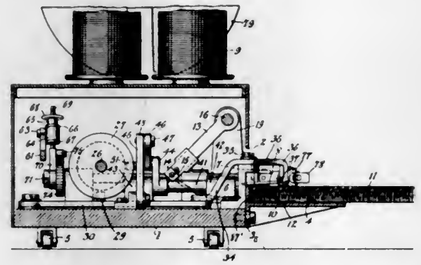


1. A display device comprising two members adapted to be detachably connected together, one of said members being distorted to produce tension within the member, crease or score lines extending through the body portion of the distorted member and providing lines of fold upon which the distorted member is adapted to fold to divide the distorted member into a plurality of panels, and means for connecting said two members together and for maintaining the circumflexed member in distorted condition.

2,084,821
RUG AND CARPET BINDING SEWING MACHINE
Harry M. Paternayan, New York, N. Y.
Application April 18, 1936, Serial No. 75,058
9 Claims. (Cl. 112—197)

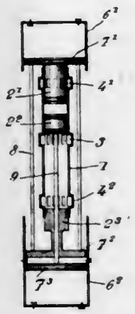
1. A rug and carpet binding sewing machine comprising a casing, means for guiding a rug or carpet along one edge of said casing, a needle carried by said casing operating in a vertical plane and positioned to move through one corner

edge of said rug or carpet when the machine is functioning, a primary looper carried by said casing operating in a vertical plane at right angles to the plane of the needle, said primary looper being positioned to move in a plane parallel to and near one edge of the rug or carpet, an auxiliary looper carried by said casing operating in a horizontal plane and positioned to



move over the back of said rug or carpet, and means for causing said needle to function followed in succession by said auxiliary looper and said primary looper to form a seam with the threads of the needle extending through the corner edge of the rug or carpet and the threads of the loopers positioned on the side and back of the rug or carpet.

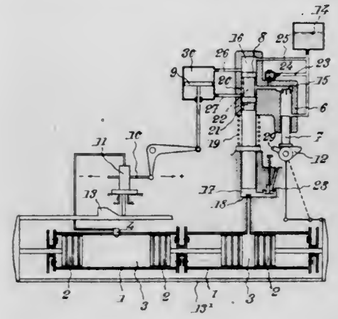
2,084,822
AUTO-COMPRESSOR
Raul Pateras Pescara, Paris, France.
Application September 7, 1935, Serial No. 39,641
In Belgium September 7, 1934
10 Claims. (Cl. 230—56)



1. A fluid compressing machine of the free piston type which comprises, in combination, at least one motor cylinder, one or more piston means for forming in said cylinder at least two motor chambers for the combustion of a fuel, said cylinder having motor ports cooperating with said piston means and common to both of said chambers, and compressor means directly driven by said piston means for compressing fluid.

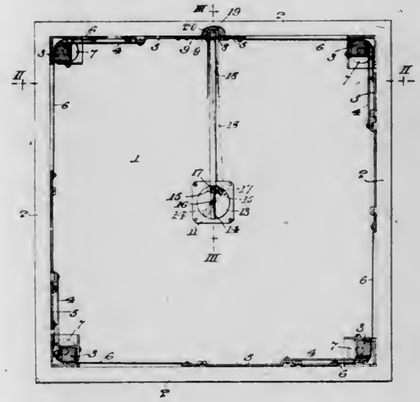
2,084,823
MOTOR COMPRESSOR
Raul Pateras Pescara, Paris, France
Application September 7, 1935, Serial No. 39,643
In Belgium September 7, 1934
19 Claims. (Cl. 230—56)

1. A motor compressor of the type described, having motor and compression cylinders, and pistons freely slidable in said cylinders, which comprises, in combination, means for feeding fuel to said motor cylinders, fuel feed adjusting means for varying the amount of fuel fed by said means



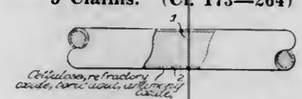
at each stroke, and means, responsive to variations in the working strokes of said pistons, for controlling said adjusting means so as to regulate the working of the motor compressor.

2,084,824
FOLDING TABLE LEG LOCK RELEASE
Sandford T. Reilly, Brooklyn, N. Y., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J., a corporation of New Jersey
Application August 30, 1935, Serial No. 38,531
1 Claim. (Cl. 311—82)



In a folding table, a boundary frame side rail, a foldable leg, a link for folding and unfolding said leg, locking means parallel to said slide rail for locking said link in unfolded position, said locking means having a locked position and an unlocked position, reciprocable means for moving said locking means from its locked to its unlocked positions, one end of said reciprocable means being U-shaped and adapted with its terminal portion to contact said locking means on its side adjacent to said side rail, and a rotatable element provided with an integral handle, said element being pivoted at its center to the table top proximate the center of the table and pivoted near its periphery to the other end of said reciprocable means.

2,084,825
INSULATED WIRE
Samuel Ruben, New Rochelle, N. Y., assignor to Vega Manufacturing Corporation, Wilmington, Del., a corporation of Delaware
Application December 12, 1931, Serial No. 580,531
5 Claims. (Cl. 173—264)

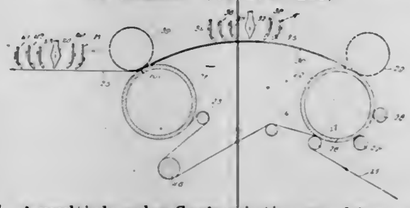


1. A wire having an insulating coating containing a cellulose lacquer, a boron compound and a refractory insulating compound.

2,084,826
TITANIUM PIGMENT COMPOSITION AND METHOD OF MAKING SAME
Lonnie W. Ryan, Westfield, and Winfred J. Cauwenberg, Elizabeth, N. J., assignors, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 7, 1935, Serial No. 53,422
9 Claims. (Cl. 134—58)

1. The method of making a variably colored titanium pigment composition containing lead titanate and iron oxide, which comprises mixing powdered ilmenite with a lead-containing material, and then calcining said mixture under oxidizing conditions at temperatures between 500° C. and 1000° C. until same is substantially completely converted into said colored pigment composition composed essentially of a plurality of the following iron and lead compounds: iron titanate, iron oxide, lead titanate, lead oxide, in which substantially all the iron present is combined as ferric iron.

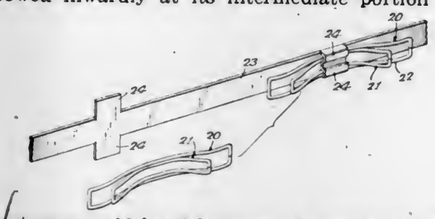
2,084,827
MULTIPLE COLOR FLOCK PRINTING MACHINE
Samuel M. Schwartz and Edward J. Tenny, Paterson, N. J.; said Tenny assignor to said Schwartz
Application June 15, 1935, Serial No. 26,732
29 Claims. (Cl. 101—115)



1. A multiple color flock printing machine, comprising a flock stencil, a flock applying device, supporting means having a curved surface situated between said flock stencil and said flock applying device, and means for moving a fabric from said flock stencil to said flock applying device and over said curved surface, said curved surface receiving the fabric as soon as it leaves the flock stencil and carrying the fabric in bowed condition under the flock applying devices.

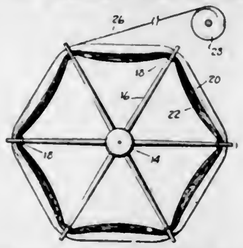
2,084,828
PISTON RING EXPANDER
Ralph R. Teetor, Hagerstown, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana
Application September 23, 1935, Serial No. 41,708
4 Claims. (Cl. 309—43)

2. A piston ring expander comprising a supporting band formed of metal, spaced pairs of aligned lugs formed along the opposite side edges of said band, and spring members carried by said band, each said spring member having the form of a spring wire loop of rectangular-like shape bowed inwardly at its intermediate portion to



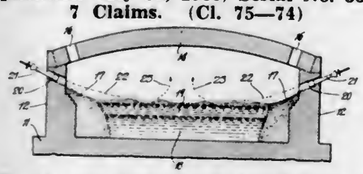
seat upon said band between its respective pair of said lugs, the end portions of said spring member constituting spring arms overlying said band in spaced relation, and said lugs being turned over and clinched upon the adjacent wire sides of said spring member.

2,084,829
PROCESS OF DRYING, CONDITIONING, AND WINDING FROM TEXTILE SKEINS
Henry J. Tynan, Ridgewood, N. J., assignor to Tynan Throwing Company, Paterson, N. J., a partnership composed of Henry J. Tynan; estate of Annie E. Tynan, Henry J. Tynan as trustee for said estate; Ella M. Tynan, Isabel M. Reed, and John A. Anderson
Application February 12, 1937, Serial No. 125,358
6 Claims. (Cl. 34—24)



1. Process of drying a moist textile skein by mounting said skein beneath a dry skein upon an openwork rotatable support, and utilizing the rotation produced by drawing off the thread of the dry skein to dry the wet skein.

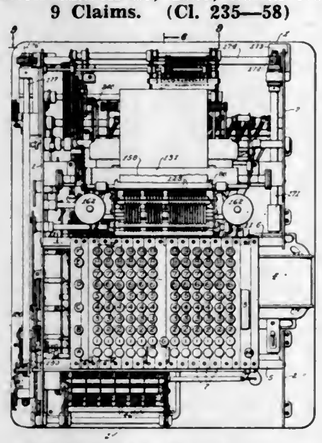
2,084,830
METALLURGICAL PROCESS AND APPARATUS
Enoch A. Barnard and Hugh J. Maguire, Anaconda, Mont., assignors to Anaconda Copper Mining Company, New York, N. Y., a corporation of Montana
Application July 31, 1935, Serial No. 33,979
7 Claims. (Cl. 75—74)



1. In the smelting of ores and similar operations in a covered furnace, the method which comprises the charging of the ore in solid form through openings in the roof so as to maintain

it in piles along the walls with the tops of such piles adjacent to the tops of the walls and applying all the heat in flames directed downwardly against the tops of the piles, causing the flames to sweep over the face of the charge while combustion is taking place and the waste gases to rise from the lower portions of the charge unobstructedly to the roof.

2,084,831
CALCULATING MACHINE
Adolf Baumann and Carl P. Horlacher, St. Louis, Mo., assignors, by mesne assignments, to Remington Rand Inc., a corporation
Application March 29, 1929, Serial No. 351,058
9 Claims. (Cl. 235—58)



9. In a calculating machine, the combination with selective manipulative means for setting up multiplicands and multipliers, of devices controlled thereby operating to set up a product equal to the complement of the number set on said selective manipulative means, accumulating means, and means for transferring such complement from said devices to said accumulating means.

2,084,832
BROODER
Joseph Blaschke, Trenton, Ontario, Canada
Application April 2, 1936, Serial No. 72,271
1 Claim. (Cl. 119—33)

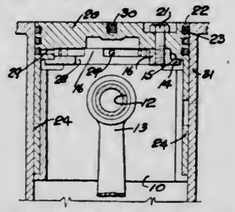


A brooder of the class described consisting of a stand, a member mounted thereupon simulative of a hen and having a chamber extending upwardly from an open bottom, a wire screen member forming an elevated flooring beneath the aforesaid member, a hinge connection attaching the hen member and the screen member to the stand, and latch means for securing the hen member to the stand at a distance from the said hinge connection.

2,084,833
PROCESS FOR THE MANUFACTURE OF HIGHLY ACETYLATED CELLULOSE ACETATES
Ernst Berl, Darmstadt, Germany
No Drawing. Application September 12, 1932, Serial No. 632,791. In Germany July 3, 1931
16 Claims. (Cl. 260—101)

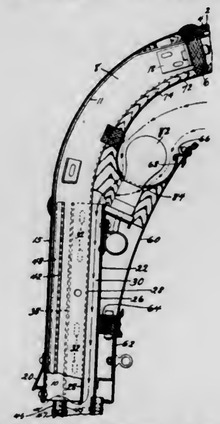
16. As an article of manufacture, foil, film and the like comprising cellulose tri-acetate constituted of a fibrous structure and having good mechanical strength, being waterproof and capable of being formed into foils, films, sheets and the like, having a thinness as low as about 0.007 to about 0.009 mm., and being soluble in pure chloroform and insoluble in acetone and aniline.

2,084,834
PISTON
George Q. Britt, Memphis, Tenn.
Application September 16, 1936, Serial No. 101,147
6 Claims. (Cl. 309—15)



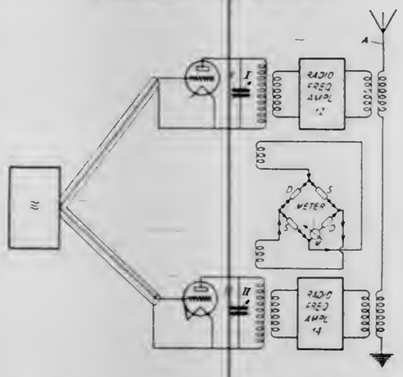
1. A piston, comprising a body having integral piston pin bosses, at least the lower portion of said body being externally substantially cylindrical, said body being channeled on diametrically opposite sides substantially at right angles to the axial center line of said bosses to provide wide, shallow recesses, a complementary head, and means for removably securing said head to said body, said head being grooved for the reception of piston rings, and having integral oppositely disposed skirts depending therefrom, said skirts being complementary to said shallow recesses in said body and adapted to contact and be supported by the bottom of said recesses.

2,084,835
PASSENGER CAR CONSTRUCTION
Andrew T. Browne, Drexel Hill, and Charles O. Guernsey, Yeadon, Pa., assignors to The J. G. Brill Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 12, 1935, Serial No. 6,158
22 Claims. (Cl. 105—397)



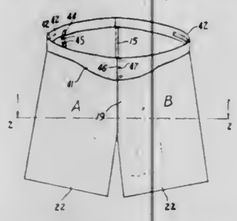
1. In a railway car having a window opening, spaced channel shaped side posts defining the side edge portions of said opening, and carlins secured to and interfitted with the posts adjacent the upper portion of the opening in such a manner as to provide air ducts the cross sectional area of each of which is formed at least in part by said posts and said carlins.

2,084,836
ALTERNATING CURRENT METER
Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 4, 1936, Serial No. 67,054. In Germany March 6, 1935
2 Claims. (Cl. 250—17)



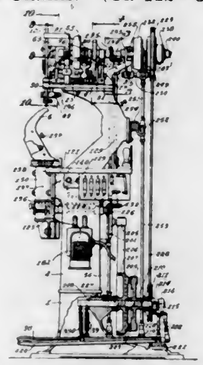
1. In a system for comparing the phase relation between two alternating current sources of substantially the same frequency without producing coupling between said sources, a bridge circuit having four arms each of which includes an impedance, a circuit coupling one diagonal of said bridge to one of said sources, a circuit coupling the other diagonal of said bridge to the other of said sources, and a meter in an arm of said bridge wherein the currents produced by said source oppose each other.

2,084,837
UNDERGARMENT
Lorenzo Curcio, Philadelphia, Pa.
Application August 8, 1936, Serial No. 94,970
2 Claims. (Cl. 2—224)



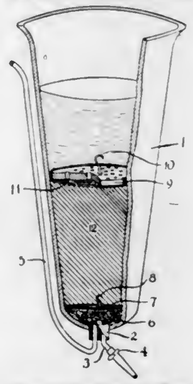
1. A men's bifurcated nethergarment comprising two leg sections united to each other along a rear seam and crotch seam, and a generally upright partition section in one of the two leg sections having a short rear edge thereof secured to the inner side of the leg somewhat behind the center of the crotch said rear partition edge being separate and distinct from the rear seam and spaced somewhat ahead of said rear seam, and having the front thereof secured to the inner side of the leg somewhat in advance of the center of the crotch the partition section being otherwise unsecured to the nethergarment; the partition wall being spaced substantially to one side of the vertical median plane of the garment, and said partition section being contained wholly within said leg section.

2,084,838
SEWING MACHINE
Stevenson A. Dobyne, St. Louis, Mo., assignor to Champion Shoe Machinery Company, St. Louis, Mo., a corporation of Missouri
Application March 4, 1931, Serial No. 519,931
24 Claims. (Cl. 112—34)



1. A sewing machine comprising, a presser foot, pawl and ratchet mechanism, and means actuating said mechanism to raise the presser foot, the pawl and ratchet of said mechanism being constructed and arranged to sustain the raised presser foot against the pressure of the work thereon during the setting of the stitch.

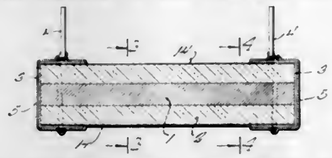
2,084,839
METHOD OF PRODUCING COFFEE EXTRACT
Eugene F. Dubois, Freehold, N. J.
Application February 6, 1935, Serial No. 5,176
1 Claim. (Cl. 99—71)



The method of producing coffee extract which consists in kneading a mass of pulverized coffee and water, packing said mass into a receptacle and simultaneously forcing out the air from below the said mass, covering said mass with a body of water and permitting it to stand for a predetermined time, and then drawing off the liquid from said mass.

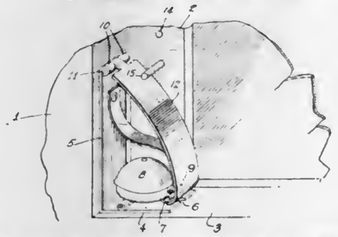
2,084,840
RESISTOR ELEMENT
George Milton Ehlers, Milwaukee, Wis., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application December 4, 1933, Serial No. 700,872
13 Claims. (Cl. 201—76)

7. A resistor element for use in electrical circuits comprising a conducting path of resistance material distributed in a ceramic binder and a surrounding rigid insulating ceramic body, said body being in the form of a tube with the path in the form of a core fitting within the bore of the tube, the material of the core and tube being



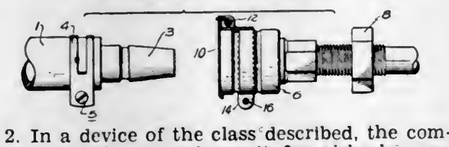
vitrified throughout and the relative shrinkage factors thereof being such as to insure a permanent integral and homogeneous bonding therebetween upon drying and firing of the element in the manufacture thereof.

2,084,841
BURGLAR ALARM
Isidor Fleischmann, Bronx, N. Y.
Application February 11, 1937, Serial No. 125,177
5 Claims. (Cl. 116—16)



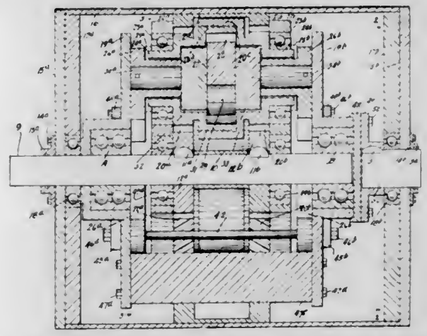
3. A burglar alarm comprising a right angular plate having horizontal and vertical legs, a bell mounted on the horizontal leg and having an operating button extending in the direction of the free end of said leg, and a downwardly inclined operating leaf, the upper end of which is pivoted to the upper end of the vertical leg and the lower end portion of which overlies the operating button of the bell whereby downward pressure on the operating leaf intermediate its ends will cause the same to be pivotally moved in a direction to operate the bell.

2,084,842
CONDUIT COUPLER CLOSURE MEANS
Edwin J. Fraser, Riverside, Ill., assignor to Keeshin Motor Express Co. Inc., Chicago, Ill., a corporation of Illinois
Application June 12, 1936, Serial No. 84,859
2 Claims. (Cl. 284—4)



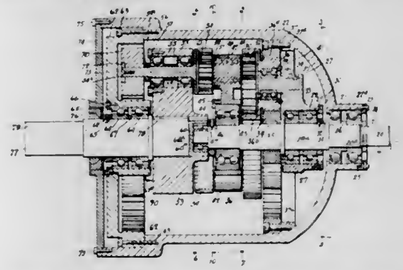
2. In a device of the class described, the combination with a coupler unit for airbrake conduits of trailers and tractors, comprising a pair of axially aligned complementary interfitting male and female members, the open end of said female member having a plain annular face substantially perpendicular to the axis thereof, of a closure means comprising a clamping band arranged to be secured on said female member adjacent its open end and provided with a pair of ears, a cover plate hingedly connected to said ears and cooperating with said face, and a torsion spring arranged between said cover plate and clamping band for automatically seating said cover plate on the face of the exposed end of said female member when the members of the coupler unit are separated.

2,084,843
POWER TRANSMISSION DEVICE
Albert T. Harris, New York, N. Y., assignor to A. T. Harris Holding Corporation, New York, N. Y., a corporation of New York
Application November 22, 1934, Serial No. 754,277
8 Claims. (Cl. 74—305)



1. A device of the nature described, comprising a power shaft, a driven shaft, and a unit driven by the power shaft, the said unit including a pair of spaced apart sun gears on the power shaft, a carrier connected to the driven shaft, a planet gear unit driven by the sun gears, the said planet gear unit being provided with an inner annular centrally located groove from which power may be taken off, and a roller operatively associated with the said groove and eccentrically located relative thereto and connected to the said carrier for transmitting power to the driven shaft.

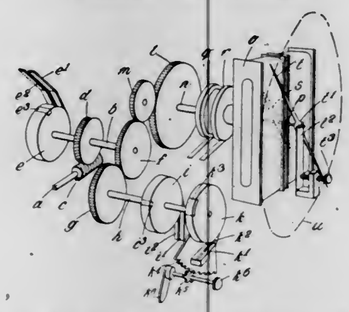
2,084,844
POWER TRANSMISSION DEVICE
Albert T. Harris, New York, N. Y., assignor to A. T. Harris Holding Corporation, New York, N. Y., a corporation of New York
Application July 20, 1935, Serial No. 32,367
4 Claims. (Cl. 74—305)



1. In a device of the nature described, comprising a drive shaft, a driven shaft, and a unit driven by the said drive shaft, the said unit including a sun gear on the drive shaft, a carrier mounted to rotate about the drive shaft, a planet gear carried by the carrier having a toothed portion in mesh with the sun gear to be driven by the same, a second toothed portion on the planet gear, a second carrier rotatable about the drive shaft, a carrier on the driven shaft, a planet gear carried by the driven shaft

carrier, a power take-off and a power transfer pinion carried by the second mentioned carrier, the power take-off pinion being in mesh with the second toothed portion of the first mentioned planet gear and the power transfer pinion with the second mentioned planet gear.

2,084,845
ECHO SOUNDING APPARATUS
Edward Lowther Holmes, Ilford, England, assignor of one-third to Arthur Joseph Hughes, Essex, England, and one-third to Henry Hughes & Son, Limited, London, England, a British limited-liability company
Application August 6, 1934, Serial No. 738,686. In Great Britain August 15, 1933
4 Claims. (Cl. 177—386)



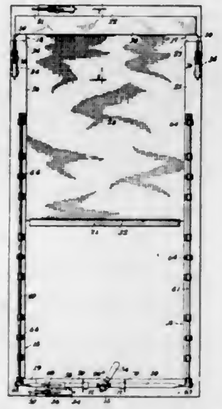
1. In echo sounding apparatus emitting sound pulses, receiving echoes thereof and generating electrical pulses therefrom, a distance indicator having in combination an electrical winding mounted fixedly on a spindle arranged transversely to the magnetic axis of said winding, means for continuously rotating said spindle in step with the sound impulses, an elongated armature, means pivotally supporting the armature about a transverse axis of the armature with the said axis aligned with the spindle and the armature in close proximity with said winding, brushes, slip rings mounted on said spindle, cooperating with said brushes and electrically connected to said winding and means for the ascertainment of the angular dislacement of said armature from zero position.

2,084,846
ROTARY PUMP, COMPRESSOR, ENGINE, AND THE LIKE
Miller R. Hutchison, Jr., Madison, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y., a corporation of New York
Application October 26, 1934, Serial No. 750,038
13 Claims. (Cl. 103—124)



12. In a machine of the character disclosed, the combination of a lobed rotor and a hollow faced rocker cooperating therewith and having curved bearing faces at opposite sides of the cavity therein and formed as arcs drawn from centers on a straight line intersecting the rocker axis and spaced from that axis a distance substantially equal to the distance of that axis from the rotor center.

2,084,847
WINDOW SCREEN CONSTRUCTION
Joseph F. Kaletay, Reaville, N. J.
Application July 6, 1935, Serial No. 30,053. Renewed January 16, 1937
12 Claims. (Cl. 156—39)



1. In a screen frame comprising a plurality of telescoping elements, means for locking associated elements in adjusted relation in a window frame, said means comprising a member slidably carried by one element, a member supported thereby and engaging the other element, spring means therebetween, and toggle means for compressing said spring means.

2,084,848
STATISTICAL CARD
William W. Lasker, Jr., Brooklyn, N. Y.
Application November 17, 1933, Serial No. 698,387
2 Claims. (Cl. 235—61.12)

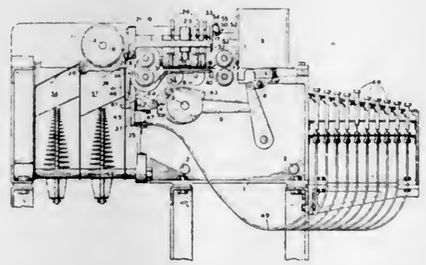


1. A card for controlling statistical machines having a plurality of index point positions and index points of a visible conductive substance at some of said positions, each of said index points being in the form of a legible character representing the signification of the position at which it is located.

2,084,849
CONDUCTIVE INK AND TABULATOR SYSTEM
William W. Lasker, Jr., Brooklyn, N. Y.
No Drawing. Application April 21, 1934, Serial No. 721,715
1 Claim. (Cl. 41—41)

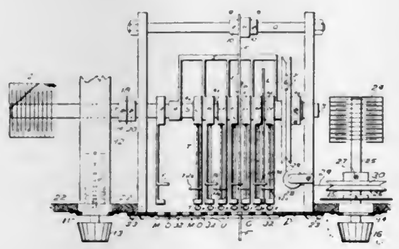
The method of producing a conductive mark upon a tabulator card comprising the steps of applying a non-conductive coating to the surface of the said card and applying thereto a spot of substances adapted to react therewith and produce a conducting spot upon the card, the said coating comprising zinc dust as a reducing material and gelatine as an adhesive, the spot producing material comprising a soluble salt of a conducting metal dispersed in a non-volatile oil medium.

2,084,850
SORTING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application January 18, 1935, Serial No. 2,346
7 Claims. (Cl. 209—110)



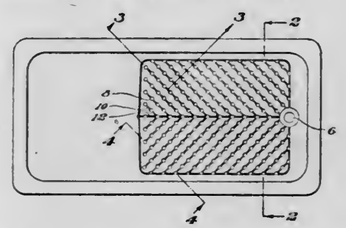
3. In a punched card machine, a sensing chamber having two plates in which are concentric holes, a pair of swingable arms, one above said sensing chamber and the other below said sensing chamber, a plurality of removable sensing pins, means whereby said sensing pins may be set at predetermined locations on the upper one of said arms, means whereby said lower arm will not be actuated by said pins unless all of said pins which may be set up on said upper arm find and pass through holes in a record card in said sensing chamber.

2,084,851
MEANS AND METHOD FOR TURNING ROTATABLE OBJECTS TO PREDETERMINED POSITIONS
Le Roy J. Leishman, Los Angeles, Calif.
Application December 15, 1934, Serial No. 757,644
16 Claims. (Cl. 250—40)



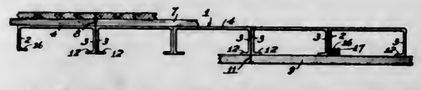
8. In a tuning control device, a combination including a plurality of independently rotatable members, a manually operable lever, a second lever operated by said manually operable lever in an opposite direction to that of said manually operable lever, means adapted to transmit motion from said levers to a plurality of said rotatable members, and means adapted to hold said manually operable lever in a predetermined position when inoperative.

2,084,852
BATHTUB
George H. Lochman, Winchester, Mass.
Application November 5, 1936, Serial No. 109,289
11 Claims. (Cl. 4—173)



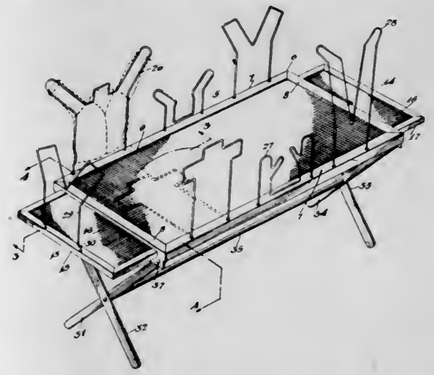
1. A bathtub or the like having a bottom provided with an imperforate, non-slip top surface comprising a plurality of recesses spaced apart less than the width of the human foot.

2,084,853
FLOOR AND CEILING SUPPORT
Herbert E. Marks, Sewickley, Pa.
Application April 15, 1935, Serial No. 16,302
11 Claims. (Cl. 189—34)



1. A floor and ceiling supporting structure comprising a plurality of metal channel members disposed side by side with their side flanges substantially in engagement, said side flanges being corrugated transversely to provide vertical openings between adjacent side flanges for the reception of fastening members by which floor and ceiling members are attached to the channels.

2,084,854
CLOTHES DRIER
Ellen McCarthy, New York, N. Y.
Application February 28, 1935, Serial No. 8,636
5 Claims. (Cl. 34—17)



1. A clothes drier comprising a top, supports therefor, and an end slide telescopically movable with respect to said top, a clothes frame mounted on said slide, said frame being shiftably mounted at its base so as to lie flat against the top when the end of the slide is flush with the adjacent end of the top.

2,084,855
DISPLAY DEVICE
Ernest Macaulay, Trumbull, Conn., assignor to General Electric Company, a corporation of New York
Application June 27, 1935, Serial No. 28,621
3 Claims. (Cl. 40—37)



1. A display device comprising a support, an oscillatory element freely pivoted on said support and biased to a predetermined position, a vane associated with said element for utilizing air currents to move said element from said position, and a base of sheet material for said display device adapted to rest on a supporting surface, said base being connected to said support and having a part on which may be carried an electric fan for providing the air currents to operate the display device.

2,084,856
MEANS FOR DEHAIRING HOGS
Harry H. McKee, Chicago, Ill., and Keith Muir, Baltimore, Md., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application February 27, 1935, Serial No. 8,514
15 Claims. (Cl. 17—13)



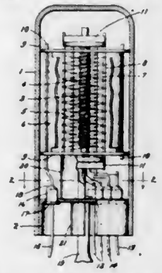
11. A dehairing apparatus of the class described, comprising a tank including a scalding section, a dehairing section and a rinsing section, a plurality of shafts rotatably mounted in said dehairing section, and a plurality of scrapers having flexible beater arms mounted on said shafts, said beater arms serving to support carcasses passing between the scrapers of the several shafts.

2,084,857
DEHAIRING METHOD
Harry H. McKee, Chicago, Ill., and Keith Muir, Baltimore, Md., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Original application February 27, 1935, Serial No. 8,514. Divided and this application December 31, 1935, Serial No. 56,970
3 Claims. (Cl. 17—45)



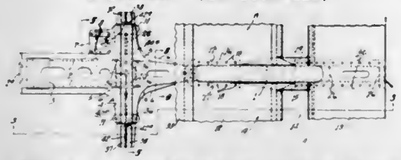
1. The method of dehairing an animal carcass which comprises rotating the carcass, simultaneously scuffing the skin surface of the carcass in one direction and simultaneously scraping the skin surface of the carcass in the opposite direction.

2,084,858
METAL RADIO TUBE
George F. Metcalf, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 15, 1934, Serial No. 744,158
5 Claims. (Cl. 250—27.5)



5. An electric discharge device comprising a metal envelope closed at one end by a metal header, said envelope containing a plurality of electrodes including a cathode, an anode and an electrostatic screening member interposed between the anode and control member, means for eliminating capacity effects between leads by which current is supplied to the anode and control member, said means including a metal member interposed between said leads within the envelope and including a metal member interposed between said leads external to the envelope, said metal members being secured to said header and electrically connected to said screening member.

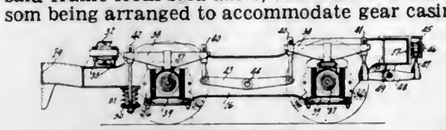
2,084,859
RAILWAY CAR UNDERFRAME
William H. Meyer and Edwin C. Jackson, St. Louis, Mo., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application August 27, 1934, Serial No. 741,534
5 Claims. (Cl. 105—415)



1. Hopper car underframe integral structure including a box-like center sill member, oppositely inclined ledges extending along a side wall thereof and below the bottom wall thereof for attachment to hopper end walls, and a flange connecting the lower extremities of said ledges and extending downwardly from the bottom of said sill member for supporting the hopper side wall.

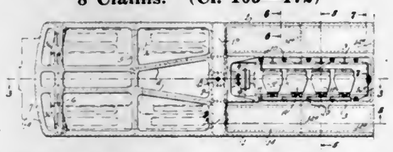
2,084,860
LOCOMOTIVE STRUCTURE
Loren P. Michael, Elmhurst, Ill., and William O. Ashe, St. Louis, Mo.; said Ashe assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application November 10, 1934, Serial No. 752,426
9 Claims. (Cl. 105—171)

7. In a truck of the class described, a frame, spaced axles journaled therein, a body supporting transom at one end of said frame, body supporting members at the sides of the opposite end of said frame, springs carried by said axles, a continuous spring equalizing system supporting said frame from said axles, said frame and transom being arranged to accommodate gear casings



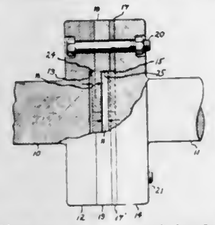
mounted on both of said axles, and a driving shaft extending through said transom and communicating with said gear casings.

2,084,861
LOCOMOTIVE CONSTRUCTION
Loren P. Michael, Elmhurst, Ill., and William O. Ashe, St. Louis, Mo.; said Ashe assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Original application November 10, 1934, Serial No. 752,426. Divided and this application August 12, 1935, Serial No. 35,712
8 Claims. (Cl. 105—172)



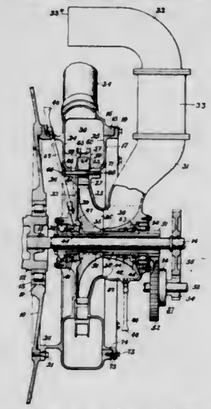
1. In a railway vehicle underframe, a relatively shallow forward portion for overlying a vehicle truck, and a relatively deep portion extending inwardly from said shallow portion and including a center sill member, a side member, a bolster member, a transverse member spaced from said bolster member, and vertically spaced webs connecting said members and forming a fluid storage reservoir therewith, said structure comprising an integral unit arranged to support an engine inwardly of and below the level of said shallow forward portion.

2,084,862
FLANGE COUPLING ARRANGEMENT
Alexander Moser, Berlin-Reinickendorf-Ost, Germany, assignor to General Electric Company, a corporation of New York
Application November 11, 1936, Serial No. 110,365
In Germany December 12, 1934
8 Claims. (Cl. 287—129)



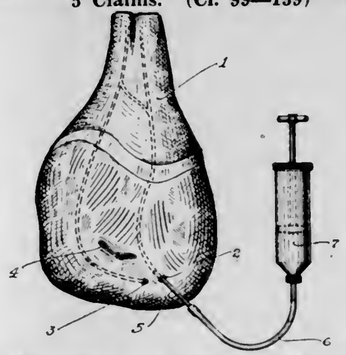
1. A coupling arrangement including the combination of a first shaft, a coupling half secured to the first shaft and having a centering surface thereon, a second shaft, another coupling half secured to the second shaft and having another centering surface thereon, a centering member having centering surfaces respectively engaging the corresponding centering surfaces of the coupling halves, a spacing member interposed between the centering member and one of the coupling halves, and removable means securing the coupling halves in fixed cooperative relation with the centering and spacing members, said spacing member being radially removable from said coupling arrangement except for the action of said securing means, and said centering members being axially movable completely to disengage one of said coupling halves except for the presence of said spacing member.

2,084,863
SUPERCHARGER
Sanford A. Moss, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application June 28, 1934, Serial No. 732,789
2 Claims. (Cl. 230—127)



1. In a supercharger for internal combustion engines, the combination of a casing having inner wall portions defining an inlet chamber and an impeller chamber, outer wall portions defining an outlet chamber, and intermediate wall portions secured to the inner and outer wall portions and defining a seat for a diffuser, a shaft, an impeller with a plurality of blades being disposed within the impeller chamber and secured to the shaft, a diffuser having a side wall and a plurality of vanes integrally united with the side wall, the diffuser side wall being seated on said seat, and means for detachably securing the diffuser to said intermediate wall portions comprising a plurality of bolts, each bolt projecting through a bore in at least one of the intermediate walls and one vane.

2,084,864
MEAT CURING METHOD
Levi Scott Paddock, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application June 3, 1935, Serial No. 24,692
5 Claims. (Cl. 99—159)



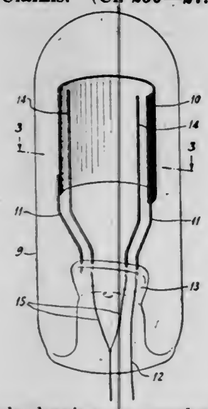
1. The method of curing ham uniformly throughout its bulk which consists in first chill-

ing and then pumping curing pickle into the circulatory system to distort the collapsed arteries, supplying a relatively greater proportion of the pickle to the cushion side of the ham than to the flank side of the ham to provide a uniform distribution of the pickle throughout the ham and thereafter immersing in a curing pickle a sufficient length of time to equalize the cure throughout the bulk of the ham and develop the flavor desired.

2,084,865
LIGHT SENSITIVE ELECTRON DISCHARGE DEVICE

Frans Michel Penning and Marten Cornelis Teves, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application June 27, 1936, Serial No. 87,624
In the Netherlands August 2, 1935
2 Claims. (Cl. 250—27.5)

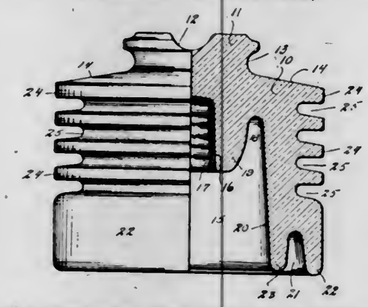


1. A phototube having an envelope containing a gas filling, a semi-cylindrical photocathode within said envelope and having a photo-sensitive coating on the inside surface thereof, and a rod anode close to and parallel to a longitudinal edge of said semi-cylindrical photocathode with the distance between the rod anode and the edge of said photocathode not greater than one-fifth the distance from the rod anode to the center of said semi-cylindrical cathode.

2,084,866
HIGH VOLTAGE INSULATOR

Bentley A. Plimpton, Victor, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland

Application July 3, 1935, Serial No. 29,721
2 Claims. (Cl. 173—318)



1. An insulator comprising a dielectric body formed in its underside with a pin receiving socket and having its bottom provided with a cavity communicating with said socket, said cavity leading into an annular groove located outwardly in spaced relation to the socket and defining a depending portion within which the socket is located, the bottom edge being further formed with an annular groove extending upwardly and located between the wall of said cavity and the external periphery, thereby defining an outer skirt and an inner petticoat in spaced relation thereto in combination with a series of alternating ribs and grooves formed on the exterior.

2,084,867
MAGNETICALLY BIASED ELECTRON DISCHARGE DEVICE

Dietrich Prinz and Felix Herriger, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application March 1, 1935, Serial No. 8,912. In Germany March 1, 1934
9 Claims. (Cl. 250—27.5)

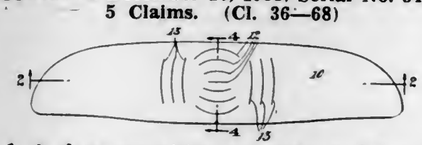


1. A magnetically biased electron discharge device including, means for generating a magnetic field, a plurality of electron discharge systems positioned within the magnetic field, each of said discharge systems having a straight thermionic cathode and a pair of anodes, the pairs of anodes of all of the discharge systems being connected together in two groups the anodes of each group being connected in parallel, said cathodes and anodes being parallel and coextensive.

2,084,868
SHOE AND METHOD OF MAKING SAME

Edward Quinn, Brooklyn, N. Y., assignor to The Del-Mac Shoe Process Corporation, New York, N. Y.

Application December 17, 1935, Serial No. 54,797
5 Claims. (Cl. 36—68)



1. A shoe comprising an upper and a lining therefor, a fibrous reinforcement interlined between said upper and lining, said reinforcement having a plurality of cuts formed in the outer surface thereof intermediate the top line and the sole of the shoe, certain of said cuts being located centrally of the reinforcement and extending approximately horizontal and other of said cuts extending approximately vertical and located forwardly of the horizontal cuts, and adhesive bonding the outer surface of the reinforcement to the inner surface of the upper, said adhesive extending into said cuts.

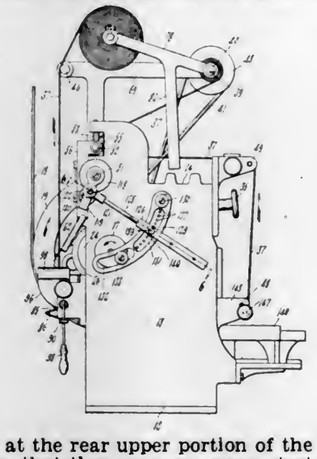
2,084,869
PERFORATING MACHINE

Stig E. Rosenberg, Brockton, Mass.

Application August 13, 1935, Serial No. 35,955
14 Claims. (Cl. 164—22)

1. A perforating machine comprising a punching die, a reciprocating platen, a backing strip,

means for guiding said strip to impart thereto a substantially horizontal lower stretch extending from the back to the front of the machine, and a substantially vertical stretch extending upward from the horizontal stretch and facing the operator's station, a strip feeding couple including a driven feed roll and an idle roll, said rolls being

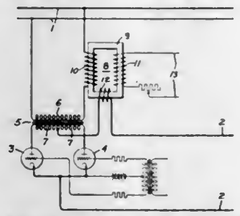


located at the rear upper portion of the machine frame so that they move an upper stretch of the backing strip rearwardly from the vertical stretch and tension the latter, the idle roll being spring pressed and vertically displaceable to permit the insertion of the leading end of the strip between the rolls.

2,084,870
SYSTEM OF ELECTRICAL DISTRIBUTION

August Schmidt, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 10, 1935, Serial No. 44,453
5 Claims. (Cl. 175—363)



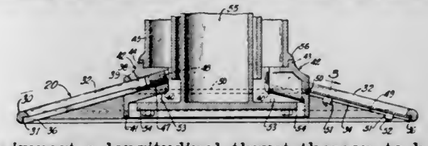
1. In combination, a supply circuit, a load circuit, and translating means interposed between said circuits and constructed and arranged for controlling an electrical characteristic of said load circuit within a predetermined range of current supplied to said load circuit and for effecting a predetermined departure from said characteristic for values of current above said range comprising a saturable reactor including a winding having a substantially constant impedance for values of current transfer within said range and having an abruptly varying impedance for values of current above said range.

2,084,871
CHAIR

Arthur R. Schwarzkopf, Chicago, Ill., assignor to Theo. A. Kochs Company, Chicago, Ill., a corporation of Illinois

Application March 25, 1935, Serial No. 12,867
14 Claims. (Cl. 155—138)

13. In a chair of the character described, a base comprising a ring-like member, a rigid supporting member disposed within and in spaced relation to the ring-like member, radially extending struts connecting the supporting member with the ring-like member, adjustable means bearing against each of the struts and adapted

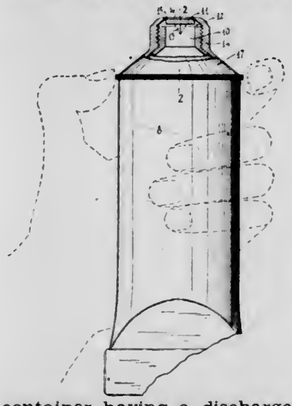


to impart a longitudinal thrust thereon to hold the same in rigid relation between the ring-like member and the supporting member, and separable panels fitted within the spaces defined between the ring-like member, the struts and the supporting member.

2,084,872
TUBE CLOSURE

Gunnar F. Seashore, Minneapolis, Minn.

Application October 31, 1935, Serial No. 47,594
11 Claims. (Cl. 221—60)



1. A container having a discharge neck provided with an axially located disk-like head spaced axially therefrom to afford a discharge passage, said head having a relatively sharp valve-acting annular edge, and a valve-acting cap applied to said neck for axial momevents in respect thereto and having an axial discharge passage outward of and of less diameter than the said disk-like head, said cap having an annular valve-acting surface surrounding the discharge passage therein, the said annular valve-acting surface of the cap having, when the parts are drawn axially together, complete flat surface to sharp edge contact with the valve-acting edge of the disk-like valve head, but being spaced from the valve head except at the place of flat surface to sharp edge contact.

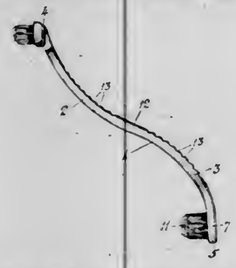
2,084,873
TOOTH BRUSH

Louis J. Strause, Atlantic City, N. J.

Application December 18, 1935, Serial No. 54,993
1 Claim. (Cl. 15—167)

A tooth brush comprising a handle of elongated S-shape, the handle being symmetrically curved in opposite directions on both sides of the median cross line thereof, the arcs of said oppositely directed curves being substantially equal, an elongated head at the upper end of said handle, said

head having a plurality of rows of bristles extending substantially from one end of said head to the other end and of a length sufficient to span a multiplicity of teeth, the outer edge of said head being concaved to conform to and permit the brush head and bristles to contact the extreme upper and lower edges of the gums, the row of bristles immediately next to said concaved edge being arranged concavely to substantially conform to the curvature of said concave edge, the bristles and the brush head into which said bristles are



set, being arranged at substantially thirty-five degrees to a straight line running from end to end of the handle, and extending in a direction generally upward, away from said straight line, and on the same side of said straight line as the upper of said oppositely directed curves, said curves of the handle providing a seat for the fingers and thumb respectively when the upper gums and teeth are brushed downwardly, and, when the lower gums and teeth are brushed upwardly the fingers and thumb reversing their positions.

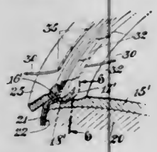
2,084,874

SHOE AND METHOD OF MAKING SAME

Harry L. Sutcliffe, Brooklyn, N. Y., assignor to The Del-Mac Shoe Process Corporation, New York, N. Y.

Application April 30, 1936, Serial No. 77,103

9 Claims. (Cl. 12—142)



1. A shoe comprising a sole member having a marginal rib formed on a face thereof inwardly of its edge, an upper, stitches securing the upper to the sole member and extending thru said rib, said rib having cuts formed transversely therethru between successive stitches.

5. In shoe making methods wherein a stitched seam is formed to secure the upper parts of a shoe to the margins of a sole member, that improvement which comprises making a transverse cut in the margin of the sole member in advance of each of a plurality of the stitches progressively as the seam is formed.

2,084,875

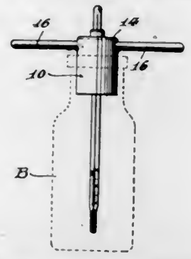
DEVICE FOR ROTATING THERMOMETERS

Gustav A. Thoren, San Francisco, Calif.

Application October 10, 1935, Serial No. 44,461

6 Claims. (Cl. 73—52)

3. A device of the character described comprising a resilient body member having an aperture for receiving a thermometer therethrough, said aperture having a reduced portion adjacent one end for further engaging a thermometer, an upstanding collar on the body member circumscribing the reduced portion, said collar having an interior dimension approximately that of the reduced aperture, and said body member having oppositely extended arms for rotating the same.



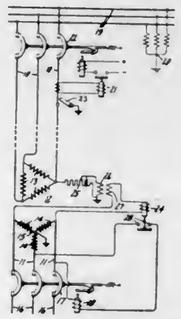
2,084,876

CONTROL AND PROTECTION OF ELECTRIC CIRCUITS

Oliver C. Traver, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application December 17, 1935, Serial No. 54,840

15 Claims. (Cl. 175—294)



1. In combination, a feeder circuit, a network circuit, a transformer having windings connected to said circuits, circuit interrupting means in said network circuit, and means connected to be energized in accordance with a predetermined function of the voltage to ground of only one of the feeder circuit conductors and the voltage between two of the network circuit conductors operative in response to a ground on any phase conductor of the feeder circuit to effect the opening of said circuit interrupting means.

2,084,877

CIRCUIT CONTROLLING SYSTEM

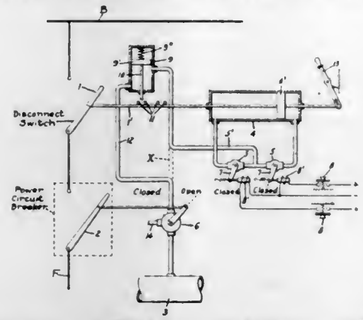
Arthur Uhde, Berlin-Reinickendorf, Germany, assignor to General Electric Company, a corporation of New York

Application January 24, 1936, Serial No. 60,747

In Germany February 2, 1935

6 Claims. (Cl. 200—50)

1. In a circuit controlling system including a power circuit breaker and a disconnect switch in series therewith, interlocking means for insuring a predetermined sequence of operation of said breaker and switch comprising a source of fluid pressure, fluid actuated means for controlling the operation of said disconnect switch, and means actuated by and in accordance with the operation of said power breaker for controlling



transmission of fluid pressure between said source and said fluid actuated means.

2,084,878

TAPE AND METHOD OF MAKING THE SAME

Paul Van Cleef, Chicago, Ill., assignor to Van Cleef Bros., Chicago, Ill., a partnership composed of Noah Van Cleef, Felix Van Cleef, Maxime Van Cleef, and Paul Van Cleef

Application May 25, 1936, Serial No. 81,649

10 Claims. (Cl. 91—68)



7. That improvement in the manufacture of tape which comprises applying to one face of a strip of rubber hydrohalide, a liquid solution consisting of rubber hydrohalide and a solvent therefor and also rubber and a solvent therefor, and then after dissipation of the solvents from the solution applying to the residual coat a coating of pressure sensitive rubber base adhesive.

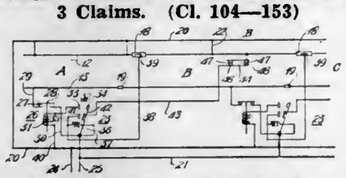
2,084,879

CONVEYER BLOCK SYSTEM

Kurt R. Weise, University Heights, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio

Application November 25, 1932, Serial No. 644,186

3 Claims. (Cl. 104—153)



1. In an overhead monorail block system of the character described the combination of an overhead monorail track for electrically propelled carriers, a pair of conductor bars for supplying power to carriers operating on said track, one of said conductor bars comprising a multiplicity of insulated sections, feeders for delivering power to the sections of said conductor bar, an electromagnetic contactor for controlling the supply of energy to one of the sections of said conductor bar, a relay for operating said contactor, an energizing circuit for said relay including a contact device positioned between the ends of adjacent sections of one of said conductor bars, and a holding circuit for said relay including a normally closed contact device adjacent said track at a remotely located section, said normally closed contact device being adapted to be opened by a carrier operating on said track.

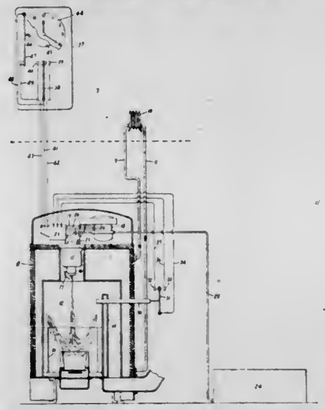
2,084,880

CONTROL APPARATUS FOR HEATING SYSTEMS

Gaylord H. Wotring, West Caldwell, N. J., assignor to General Electric Company, a corporation of New York

Application November 19, 1935, Serial No. 50,526

10 Claims. (Cl. 158—28)



1. In a heating system, the combination including a furnace, means for supplying fuel thereto, control means normally operable for starting and stopping operation of said fuel supply means, and timing means operable a plurality of times each day for periodically stopping operation of said fuel supply means for a relatively brief interval to detect failure of said control means.

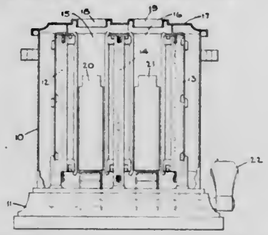
2,084,881

ELECTRIC TOASTER

Joy C. Adams, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application July 31, 1935, Serial No. 33,982

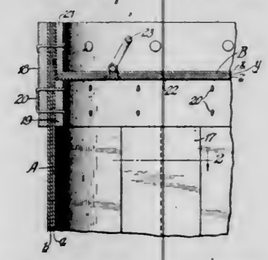
2 Claims. (Cl. 219—19)



1. An electric toaster comprising a pair of toasting compartments, heating means at the outer sides of said compartments to provide toasting heat energy sources at said outer sides, and a heating element interposed between said compartments having a heat reflecting member, mica supports on opposite sides of said reflecting member, and resistance heating means on said mica supports to provide heat energy

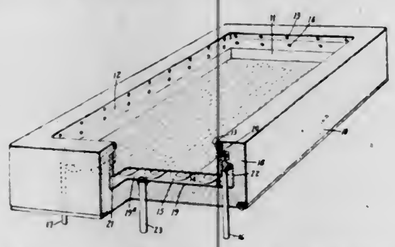
sources at the inner sides of said compartments cooperating with those at the outer sides so that a pair of slices can be toasted uniformly on both sides in said compartments at the same time, said reflecting member and mica supports substantially preventing the transfer of heat from one compartment to the other so that a single slice can be toasted uniformly on both sides in either compartment while the other compartment is empty.

2,084,882
BARREL
Charles B. Arnold, Chicago, Ill., assignor to Seymour-Peck Co., Chicago, Ill., a corporation of Delaware
Application May 13, 1935, Serial No. 21,133
3 Claims. (Cl. 217—76)



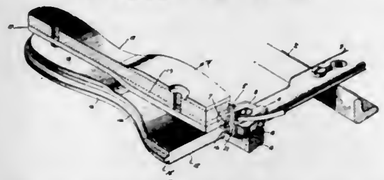
1. A barrel having a head constructed to flex in one transverse direction only and so dimensioned as to fit within the barrel with a degree of tightness which, for its practical application, requires the head to enter the barrel one side edge first and thereafter to flex diametrically in the direction of said edge while being forced to position, means positioned on the upper face of said head for directing said initial insert of said head within the barrel, and means incorporated in the structure of the head for opposing flexation thereof in any direction other than that above noted.

2,084,883
REFRIGERATING APPARATUS
Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 23, 1935, Serial No. 7,682
6 Claims. (Cl. 62—89.5)



2. A refrigerating apparatus including an outer wall and a metal inner liner, said inner liner forming a wall of a space to be cooled, means including a partition arranged between said outer wall and said inner liner for providing an air chamber adjacent said inner liner, means including a strip of thermally resistant material for minimizing the transfer of heat between said partition and said inner liner, thermal insulation previous to moisture arranged between said partition and said outer wall, means including a refrigerant evaporator in heat exchange relationship with said inner liner for cooling said space to be cooled, means including openings in said partition for conveying moisture-laden air from the interior of said thermal insulation to said chamber wherein the moisture is condensed by said evaporator, said partition presenting an unobstructed surface constituting a drip-pan extending entirely over the portion of said thermal insulation located below said evaporator for accumulating condensed moisture dripping from said evaporator, and means for removing condensed moisture from said drip-pan.

2,084,884
APPARATUS FOR MANUFACTURING SHOE SOLES
Thomas Santo Azzara, Jamaica, and Tamas De Luca, Brooklyn, N. Y., assignors to Del-Mac Shoe Process Corporation, New York, N. Y., a corporation of New York
Application May 12, 1934, Serial No. 725,274
5 Claims. (Cl. 12—17)

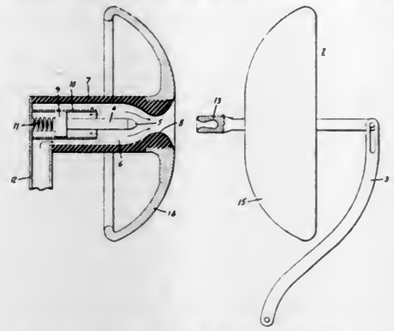


1. In an apparatus for making shoe soles, a sole blank clamp embodying a pair of clamping plates, one of which constitutes the sole pattern and the adjacent surfaces of which plates are complementarily offset in different planes, whereby a sole blank clamped between them has its ball portion positioned in a plane below the shank and heel portion of the blank, a tool carrier mounted in proximity to the sole blank clamp and having an upstanding rounding knife, the operations of which are adapted to be guided by said sole pattern, means for producing relative movement between the sole blank clamp and the tool carrier to cause said rounding knife to round the blank, and an insole trimming knife also mounted on the tool carrier and having its blade positioned in spaced parallel relation to and beyond the rounding knife and in a plane perpendicular to the under face of the depressed ball portion of the sole blank during the rounding of said blank by the rounding knife and to thereby produce in said ball portion of the blank a perpendicular cut of less depth than the thickness of the blank and parallel to the cut of the rounding knife.

2,084,885
ELECTRIC CIRCUIT BREAKER
Josef Biermanns, Berlin-Johannisthal, Germany, assignor to General Electric Company, a corporation of New York
Application November 6, 1936, Serial No. 109,561
In Germany November 28, 1935
9 Claims. (Cl. 200—148)

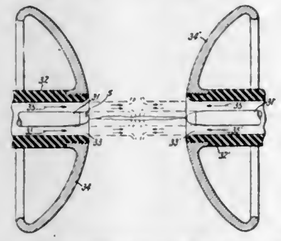
1. An electric circuit breaker of the fluid blast type comprising relatively movable contact structure, means coacting with said structure for directing a fluid under pressure to the point of separation thereof in accordance with the circuit opening operation, and means operatively related to said contact structure substantially enclosing

the same during initial separation thereof, said enclosing means arranged to release a blast of



said fluid to interrupt the arc subsequent to separation of said contact structure.

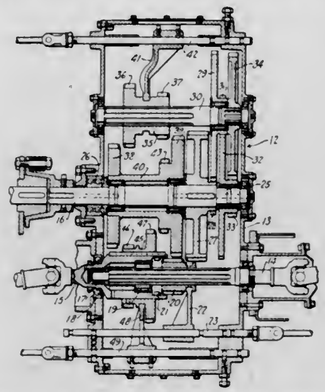
2,084,886
ELECTRIC CIRCUIT BREAKER
Josef Biermanns, Berlin-Johannisthal, Germany, assignor to General Electric Company, a corporation of New York
Application November 11, 1936, Serial No. 110,398
In Germany September 20, 1935
11 Claims. (Cl. 200—148)



2. An electric circuit breaker of the fluid blast type comprising relatively movable contacts separable to form an arc upon opening of the circuit, and means independent of the arc pressure for directing two opposing jets of arc-extinguishing fluid generally longitudinally of said arc, each jet flowing from one of said contacts towards its coacting contact and having a substantially annular cross-section so as to envelop a part of said arc in hose-like fashion, said arc at the point of opposition of said jets being traversed and agitated by said arc-extinguishing fluid.

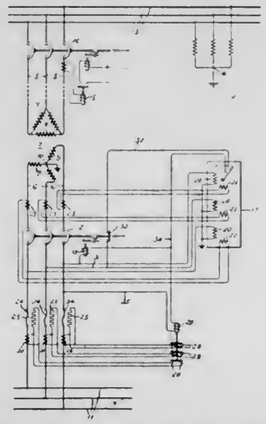
2,084,887
POWER TRANSMISSION MEANS
Robert N. Bennett, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a corporation of Ohio
Application March 23, 1936, Serial No. 70,245
3 Claims. (Cl. 74—389)

1. In a power transmission means, a drive shaft, first and second output shafts, said last two shafts having portions mounted in parallel relation to each other and said drive and first shafts being axially aligned, a gear in driving connection with said second shaft, a drive pinion splined on the drive shaft and shiftable from neutral position into direct driving engagement with said first shaft or with said gear, a back shaft in parallel offset relation to said shafts, a reduced speed driving connection between said gear and back shaft, a sleeve mounted for free rotation on said second shaft and having a plurality of pinions of varying sizes, means for selec-



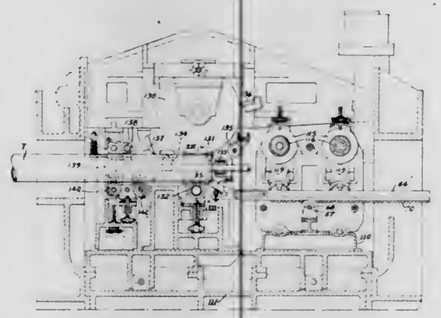
tively connecting the back shaft to certain of the pinions on said sleeve, and means operable to selectively connect certain of the pinions on said sleeve to said first shaft.

2,084,888
PROTECTIVE ARRANGEMENT
Cadelle H. Black, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application January 31, 1936, Serial No. 61,657
7 Claims. (Cl. 175—294)



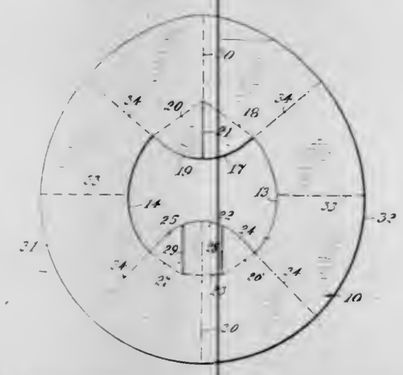
1. In combination, two electric circuits, means connecting said circuits for exchange of energy, a circuit breaker for interrupting one of said circuits, means responsive to the direction of energy exchange between said circuits for controlling said circuit breaker to effect the opening thereof when the flow of energy is in a predetermined direction, back-up circuit interrupting means in said one of said circuits including a series-connected fuse having a predetermined current rating, and means controlled by said energy directional responsive means and said circuit breaker for effecting the rupture of said fuse when said circuit breaker fails to open while the flow of energy is in said predetermined direction and the current in said one circuit is less than said predetermined current rating.

2,084,889
APPARATUS FOR WELDING
Herman G. Blevins, Sewickley, Pa., assignor to Spang, Chalfant & Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application March 25, 1935, Serial No. 12,785
12 Claims. (Cl. 219—6)



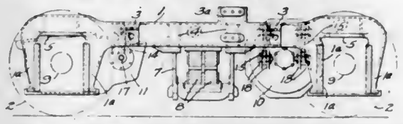
5. In combination, in apparatus for feeding a pipe to a welding throat, a pair of carriages adapted for movement to and from the welding throat, means for driving the carriages in opposite directions, automatic means for changing the direction of the driving means at the end of each feeding cycle, and means associated with each carriage for automatically and positively engaging a pipe at the beginning of movement of the carriage toward the welding throat.

2,084,890
TOILET OR WATER-CLOSET SEAT PROTECTOR OR COVER
Eleanor L. Boyd, Scottsboro, Ala.
Application May 21, 1936, Serial No. 80,950
2 Claims. (Cl. 4—243)



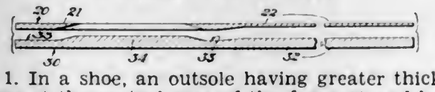
1. A toilet seat cover including an annular body to cover the seat, a tab at each side of the front adapted to fall within the seat opening to hold the cover and each folded down along a straight line extending from the central line of the cover to a point on the cover about half way to the center of its side of the cover, and a tab at each side of the back adapted to fall within the seat opening to hold the cover and folded down along a straight line extending from near the center of the cover to a point on the cover about half way to the center of its side of the cover and a central back tab folded down along a straight transverse line.

2,084,891
RAILWAY TRUCK
Robert R. Cease, Nameoki, Ill., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application May 14, 1934, Serial No. 725,629
12 Claims. (Cl. 105—136)



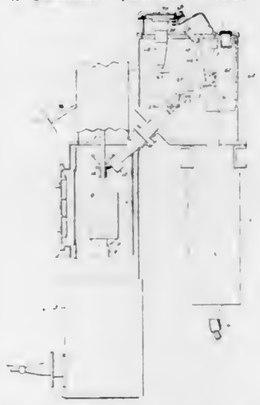
1. In a railway truck, framing including side frames, and a single pivot on one of said side frames and a plurality of pivots on the other side frame opposite said single pivot, said pivots cooperating in forming a three point support for a single unit of truck propelling mechanism.

2,084,892
SHOE AND METHOD OF MAKING SAME
Anthony Cocozella, Lynn, Mass., assignor to The Del-Mac Shoe Process Corporation, a corporation of New York
Application August 26, 1936, Serial No. 97,896
8 Claims. (Cl. 12—146)



1. In a shoe, an outsole having greater thickness at the central area of the forepart and less thickness entirely about said area than in the shank and heel portion thereof, the inner surface of said outsole having a plurality of cuts therein over said area of greater thickness to render the forepart softer and more flexible, an insole comprising a shank and heel member of stiff material and a flexible forepart of full insole thickness having an opening therein and having an integral shank and heel portion of less thickness overlying said member and adhesively secured thereto.

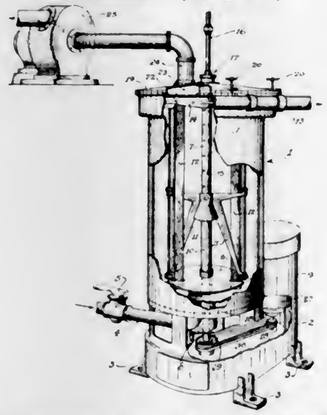
2,084,893
METAL-CLAD ELECTRICAL SWITCH GEAR
David Reginald Davies, Didsbury, England, assignor to General Electric Company, a corporation of New York
Application March 1, 1935, Serial No. 8,866
In Great Britain March 8, 1934
2 Claims. (Cl. 175—298)



1. Electric switchgear of the metal clad type comprising a circuit breaker, a conductor normally in circuit with said breaker, a casing into

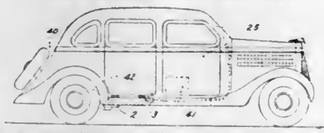
which extend bushings connected to said breaker and conductor respectively, an isolating switch pivotally mounted with respect to the aforesaid conductor bushing arranged to coact with contact structure on the aforesaid breaker bushing for electrically isolating and connecting respectively said conductor with respect to said breaker, contact structure connected to said casing arranged to be engaged by said switch for grounding said conductor, a testing conductor bushing supported in said casing, means for obtaining access to said testing bushing through a wall of said casing, and contact structure carried by said last named bushing arranged selectively to be engaged by said isolating switch.

2,084,894
DEODORIZER
Elmer M. Davis, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Original application December 29, 1934, Serial No. 759,623. Divided and this application April 27, 1935, Serial No. 18,628
3 Claims. (Cl. 31—2)



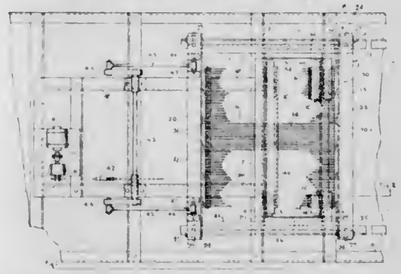
1. A deodorizer comprising a chamber, a rotatable shaft in said chamber, a baffle plate, means for impinging fluid against said baffle plate, an agitator rotatable with said shaft and a steam line leading to said shaft, said shaft being hollow through a portion of its length and provided with a plurality of holes.

2,084,895
SAFETY DEVICE
Harry A. Dempsey, Lakewood, Ohio
Application November 16, 1935, Serial No. 50,228
10 Claims. (Cl. 291—33)



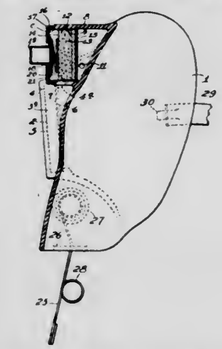
1. In a sanding device for motor vehicles, a storage container having an outlet in its lower wall, means within said container to move sand toward said outlet, a discharge port offset with respect to said outlet, means comprising a wheel having impeller blades rotatively mounted with respect to said outlet and port to successively move quantities of sand from said outlet to said port, said last named means being actuated by said first named means.

2,084,896
SELF-CLEANING SCREEN APPARATUS
Daniel C. Drill, Wabash, Ind., assignor to American Rock Wool Corporation, Wabash County, Ind.
Application July 5, 1935, Serial No. 29,943
5 Claims. (Cl. 183—44)



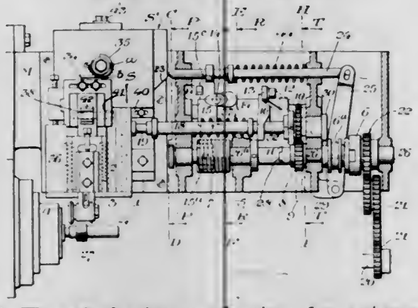
1. A self-cleaning screen apparatus of a character adapted to retain mineral wool fibers in a mineral wool settling chamber while permitting the passage of the exhaust gases therefrom, said screen apparatus including a ventilator housing having two oppositely positioned slotted portions in the walls thereof, a plurality of movably mounted, parallel and spaced-apart screen members extending through the slotted portions, and a stationary comb member having a plurality of fixedly secured teeth inserted between said screen members within said housing.

2,084,897
PROTECTIVE GOGGLE
Joseph B. Dym, Pittsburgh, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 17, 1935, Serial No. 54,820
4 Claims. (Cl. 2—14)



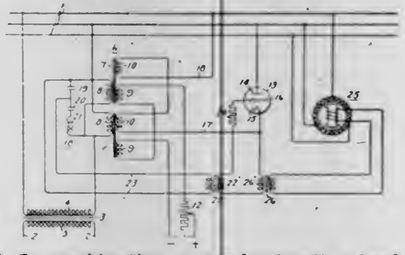
1. A protective goggle for use in atmospheres containing an injurious constituent comprising the combination of a goggle face-piece of flexible material adapted yieldingly to engage the face about the eyes to make and maintain an airtight fit therewith, a passage through the face-piece, means associated with said passage for removing said constituent from atmosphere flowing through said passage, and a closure member associated with said passage normally excluding the external atmosphere and movably mounted for establishing communication between the atmosphere and the interior of the face-piece at desired intervals to thereby establish atmospheric pressure in the face-piece without access of said injurious constituent.

2,084,898
THREAD CHASING MECHANISM FOR AUTOMATIC LATHES
Rudolf Eckardt, Erich Huth, Fritz Müller, and Richard Rahm, Leipzig, Germany, assignors to National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application September 23, 1936, Serial No. 102,116
In Germany March 2, 1936
21 Claims. (Cl. 29—57)



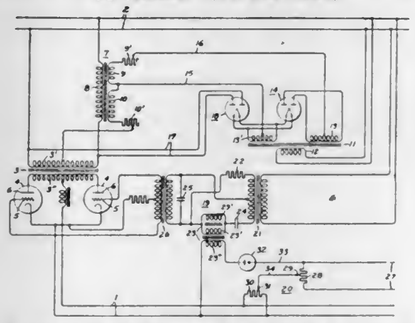
1. Thread chasing mechanism for automatic lathes comprising a compound slide mechanism consisting of a vertically movable main slide, a horizontally movable intermediate slide mounted thereon and a vertically movable chaser carrying slide mounted on said intermediate slide, a pattern carrying clutch controlled shaft, means for rotating it, means operated by the main slide for controlling the clutch of said pattern shaft, an axially movable oscillating shaft, means carried by the oscillating shaft and co-operating with the pattern of the pattern carrying shaft for axially moving said oscillating shaft, means for oscillating said shaft, and a feed rod tied to said oscillating shaft for horizontally shifting the intermediate slide and thereby the chaser slide.

2,084,899
SYSTEM OF ELECTRICAL DISTRIBUTION
Martin A. Edwards, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 10, 1935, Serial No. 44,451
Renewed February 4, 1937
18 Claims. (Cl. 171—119)



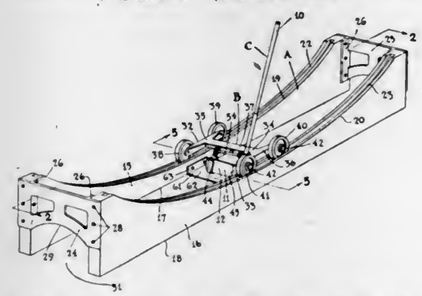
1. In combination, a supply circuit, a load circuit, variable impedance means including a saturable reactor for controlling an electrical characteristic of said load circuit for values of power transfer within a predetermined range and for effecting a predetermined departure from said characteristic for values of power transfer in excess of said range, and means comprising an electric valve responsive to an electrical condition of said variable impedance means for maintaining the impedance of said variable impedance means substantially constant within said predetermined range of power transfer and for varying the impedance of said variable impedance means in a predetermined manner for values of power transfer in excess of said range.

2,084,900
SYSTEM OF ELECTRICAL DISTRIBUTION
Martin A. Edwards and Garold A. Kane, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application October 10, 1935, Serial No. 44,452
13 Claims. (Cl. 175—363)



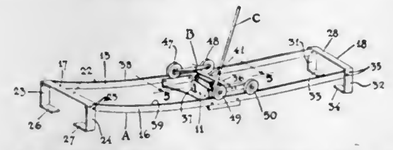
1. In combination, an alternating current circuit, an alternating current device connected to be energized therefrom, an impedance device connected between said alternating current circuit and said alternating current device and having a unidirectional magnetizing winding and a control winding, and means for controlling the impedance of said impedance device to maintain an electrical characteristic of said alternating current device substantially constant within a predetermined range of power transfer and for effecting a predetermined departure from said characteristic for values of power transfer in excess of said range comprising an electric valve means for energizing said control winding in accordance with a resultant electrical characteristic obtained from an electrical characteristic of said alternating current device and an electrical characteristic of said impedance device.

2,084,901
PUTTING DEVICE
William Eisenberg, Minneapolis, Minn.
Application May 19, 1934, Serial No. 726,541
7 Claims. (Cl. 273—35)



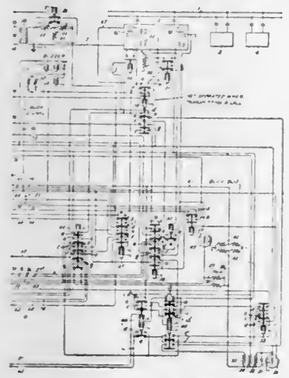
1. A putting device comprising two spaced rails, said rails having straight lower edges adapted to rest upon the putting surface, and curved upper edges, a carriage guided for movement through a curved path by the upper edges of said rails, means for attaching a putter to said carriage, and cross members extending across said rails, one of said cross members providing an opening above the putting surface through which a ball projected by the putter may travel.

2,084,902
PUTTING DEVICE
William Eisenberg, Minneapolis, Minn.
Application August 10, 1934, Serial No. 739,272
11 Claims. (Cl. 273—35)



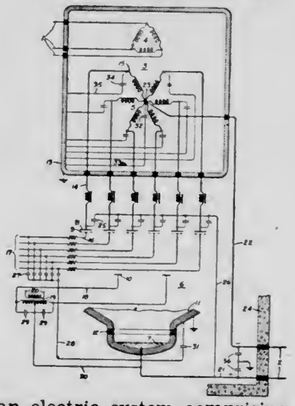
1. A putting device comprising two spaced rails, end members for said rails, said end members consisting of bar material bent to provide connecting portions extending across said rails and holding the same in spaced relation, said end members being further bent to provide legs depending from said cross members, and being still further bent to provide feet issuing inwardly from the lower ends of said legs, said feet being adapted to support the device on a putting surface, the ends of the feet of one end member being spaced apart to provide a ball-way on said surface longitudinally of the device and substantially medially thereof.

2,084,903
SIGNAL SYSTEM
Frederick W. Frink, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 14, 1934, Serial No. 753,010
13 Claims. (Cl. 179—15)



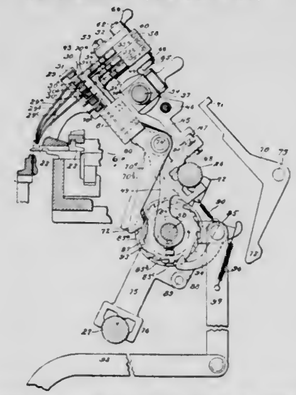
1. The combination, in a system for carrier current intercommunication by voice between a plurality of stations arranged to intercommunicate by carrier current and for interruption in the transmitted carrier during pauses in said voice communication, the combination of an operator's station connected to one of said carrier current stations, means whereby an operator at said operator's station may signal a remote carrier station through said one carrier station, means responsive to currents received in said one carrier current station to disable said signal means during intercommunication between two of said carrier stations, and means to maintain said signal means disabled for a predetermined interval subsequent to reception of said currents at said one carrier current station, said predetermined interval being of greater duration than the normal pauses in said voice communication.

2,084,904
ELECTRIC SYSTEM
Hermann Geise, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York
Application May 19, 1936, Serial No. 80,632
In Germany May 28, 1935
7 Claims. (Cl. 175—363)



1. In an electric system comprising an alternating current circuit, a direct current circuit, and means to transfer power between said circuits including a vapor electric apparatus having a cathode and at least one anode and a control electrode associated with said anode, and a plurality of leads connected respectively to said cathode, said anode and said control electrode, means to eliminate in said system radio frequency oscillations tending to disturb radio reception, said last-named means including capacitance means interconnecting all of said leads and connecting all of said leads to ground.

2,084,905
KNITTING MACHINE
Alfred Graenz, Philadelphia, Pa., assignor to Alfred Hofmann, Inc., West New York, N. J., a corporation of New Jersey
Application December 28, 1933, Serial No. 704,273
28 Claims. (Cl. 66—127)



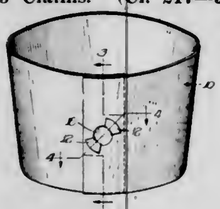
1. A knitting machine having a series of at least three yarn carrier rods longitudinally shiftable leftward and rightward in their yarn-laying

traversing movements, a longitudinally reciprocating friction device, and mechanism operated by the friction device for selectively shifting the rods longitudinally with it characterized by the combination of coupling means comprising two shoulders on each rod, a plurality of coupling devices on the friction device, one for each rod, each of said coupling devices consisting of two thrusters movable on the friction device into and out of coupling position and adapted to coact with said shoulders for thrusting the corresponding rod in left and right directions, and a controller for effecting predetermined movements of the several coupling devices on the friction device into and out of coupling position, thereby to bring about selectively, in predetermined order, the yarn-laying shifts of the carrier rods.

2,084,906
LINER

George H. Graham, Chicago, Ill., assignor to Carpenter-Hiatt Sales Company, Chicago, Ill., a corporation of Colorado

Application June 15, 1935, Serial No. 26,719
3 Claims. (Cl. 217—3)

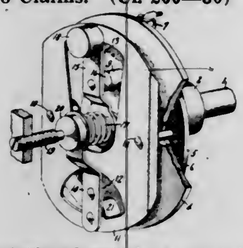


1. A blank for a basket liner having at one end a pair of tabs struck from the material of the blank, said tabs joining with the blank at their base and being directed outwardly in substantially opposite directions, the other end of the liner having at least one opening therein through which said tabs are adapted to extend so as to overlie the said end of the liner having the opening therein, whereby the ends of the liner are joined, said pair of tabs and openings being located a short distance in from their respective end of the liner, and said opening coinciding with the space between said tabs when the liner is assembled with its ends overlapping.

2,084,907
CENTRIFUGAL SWITCH

Robert W. Groot, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application September 7, 1934, Serial No. 743,110
8 Claims. (Cl. 200—80)



1. In a centrifugal switch, a rotatable member carrying a pair of contacts, a biasing spring for one of said contacts carried by said member, means for adjusting the biasing force of said spring, and centrifugally actuated means carried by said member for reducing the force of said spring on said adjusting means.

2,084,908
DRY STERILIZER

Walter Harris and Ena A. Harris, Conneaut, Ohio

Application November 8, 1935, Serial No. 48,888
6 Claims. (Cl. 21—83)

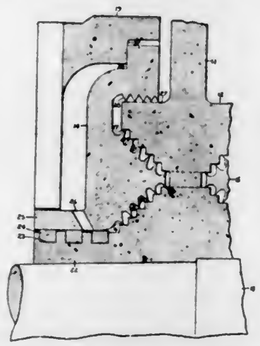


2. In a device of the type described, a receptacle supported on a hollow base, a volatile material container in said base, walls defining an aperture extending from said hollow base into said receptacle, a valve adapted to close the end of said aperture disposed in the hollow base, a valve stem carrying said valve and extending out of said base, packing means around said valve stem at the point of exit from said base, spring means tending to maintain said valve in closed position, a hinged lid for said receptacle, means on said lid adapted to move said valve into opened position when said lid is in closed position and to permit said spring means to close said valve when said lid is in open position.

2,084,909
PACKING ARRANGEMENT

Bruno Hoffmann, Berlin, Germany, assignor to General Electric Company, a corporation of New York

Application May 17, 1935, Serial No. 22,102
In Germany June 8, 1934
2 Claims. (Cl. 286—10)

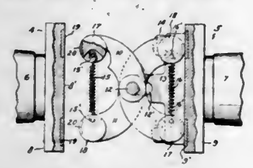


1. The combination of a shaft, a rotatable element having a hub with an annular conically-shaped recess and being secured to the shaft, a casing enclosing the rotatable element and a packing for reducing leakage between the shaft and the casing comprising a stationary packing element having a wedge-shaped annular portion disposed in the recess of the hub and with packing surfaces in proximity to the surface of the recess, an extension secured to the shaft and integrally united with the hub having a grooved cylindrical surface, packing rings disposed in the grooved cylindrical surface, and a cylindrical extension connected to the stationary element having cylindrical surfaces engaged by the packing rings.

2,084,910
ELECTRIC SWITCH GEAR

Charles H. Hill, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application January 8, 1936, Serial No. 58,029
5 Claims. (Cl. 173—332)



1. Electric switch contact structure comprising a pair of relatively movable elements, said elements provided with contact surfaces, a pair of contact members mounted with respect to each other in a scissors-like manner, means for mounting said contact members with respect to one of said elements, said contact members arranged to interconnect said elements so that in the closed circuit position of said contact structure the opposite ends of each member engage respectively the contact surfaces of said relatively movable elements, and means for biasing said contact members into contact engagement with said elements.

2,084,911
GLOW LAMP ELECTRODE AND METHOD OF MANUFACTURE

Philip J. Kayatt, Yonkers, N. Y., assignor to International Glow Lamp Corporation, New York, N. Y.

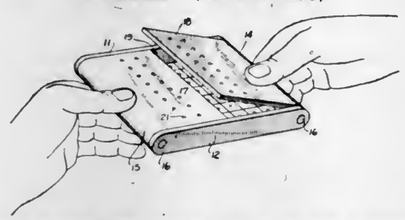
No Drawing. Application June 22, 1935
Serial No. 27,873
7 Claims. (Cl. 176—126)

1. A gas lamp electrode composed of iron having a coating of Fe_3O_4 thereupon and also having a second coating of an alkali metal in the reduced state, over said first coating.

2,084,912
GAME BOX

Martin Klep, Nyack City, N. Y.

Application May 19, 1936, Serial No. 80,479
5 Claims. (Cl. 273—136)

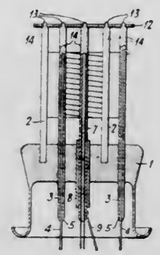


1. A game box, or the like, having a bottom portion, side walls and cylindrical end members pivoted between the ends of the side walls to keep the ends of the box closed in all positions and having inwardly extending cover forming members adapted to meet end to end to close the top of the box and be spaced above the bottom of the box.

2,084,913
SEAL FOR ELECTRON DISCHARGE DEVICES

Alfons Kauffeldt, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application August 21, 1936, Serial No. 97,130
In Germany November 19, 1935
4 Claims. (Cl. 250—27.5)

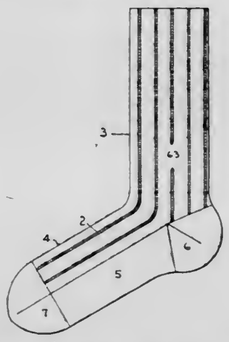


1. An electron discharge device comprising an envelope with a reentrant stem and a press, electrodes in said envelope, lead-in conductors connected to said electrodes and means for sealing said conductors gas tight in said envelope comprising ceramic tubes extending through said envelope, said conductors extending through said tubes and sealed therein, and a cathode sleeve embedded at one end in said press, a ceramic tube surrounding the embedded end of said cathode and sealed gas tight to the cathode and to the press.

2,084,914
RIB FABRIC, METHOD OF AND MECHANISM FOR KNITTING THE SAME

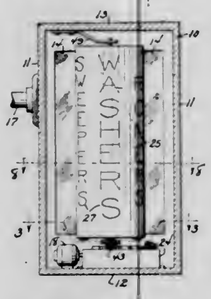
Robert H. Lawson and William L. Smith, Jr., Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application February 3, 1932, Serial No. 590,592
8 Claims. (Cl. 66—25)



8. A knitting machine having a needle cylinder and a needle dial, cooperating needles in said cylinder and dial and cams through which said needles pass for drawing stitches of a rib fabric, portions of some of the dial needles, over which portions stitches are drawn by cooperating cylinder needles, being in a position relatively elevated above corresponding portions of other dial needles when the dial needles pass through the cams as the said cylinder needles draw stitches.

2,084,915
SIGN
Fred Earl Leitch, East Cleveland, Ohio
Application March 4, 1936, Serial No. 67,143
5 Claims. (Cl. 40—77)



1. A sign comprising a casing having a plurality of windows, a rotatable cylinder in said casing, said cylinder having a plurality of compartments to successively confront said windows, each compartment bearing an exhibit for display through the windows, separate electric illuminators in each of said compartments of the cylinder, a source of electric supply for said electric illuminators, a connecting means adjacent to each window for conducting current from the source of supply to the electric illuminators in the compartment confronting the windows when the exhibits thereon are in display positions, and means for rotating the cylinder by intermittent steps to successively position the compartments in front of the windows with their exhibits in the display positions.

2,084,916
TREATMENT OF ARTIFICIAL SILK
Jan Willem Lubberhuizen, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application June 15, 1936, Serial No. 85,429. In Germany June 17, 1935
4 Claims. (Cl. 18—54)

1. A process of producing artificial silk threads having uniform physical and dyeing characteristics which comprises forming a freshly spun unsupported package of threads, washing and drying the said unsupported package, deforming the same to loosen the thread layers therein, rewetting and redrying the package to permit uniform contraction throughout all parts of the spun thread package.

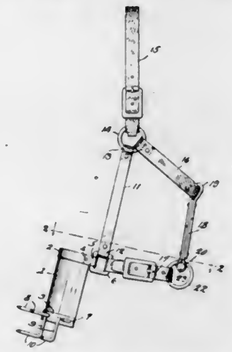
2,084,917
METHOD OF PREPARING TITANIUM DIOXIDE PIGMENTS
Walter K. Nelson, Brooklyn, N. Y., assignor, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 19, 1934
Serial No. 726,578
22 Claims. (Cl. 134—58)

1. In a method for separating a calcined titanium dioxide pigment into particles of different sizes, the step which consists in intimately mixing said pigment in water with a relatively small amount of an acid-reacting salt selected from the group consisting of the halides of aluminum, iron, cerium, zirconium, thallium and thorium in which these elements are in the condition of highest valence.

2,084,918
ALCOHOLIC SUSPENSION OF TITANIUM PIGMENTS
Walter K. Nelson, Metuchen, N. J., assignor, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 5, 1936, Serial No. 109,316
10 Claims. (Cl. 134—58)

1. A method for the production of alcoholic dispersions of titanium pigments which comprises intimately mixing a finely-divided titanium pigment in an aliphatic alcohol in admixture with a relatively small amount of an acid-reacting salt selected from the group consisting of the halides of aluminum, iron, thorium, titanium, zirconium, cerium, and thallium in which these elements are in the condition of highest valence.

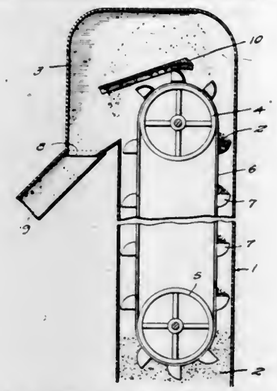
2,084,919
WEANER
Ray M. Prose and Henry F. Prose, Modoc, Kans.
Application November 9, 1935, Serial No. 49,105
1 Claim. (Cl. 119—130)



A weaner including an arcuate plate having folded upper and lower edge portions constituting reinforcements, spikes secured in the lower reinforcement and abutting against the plate, said spikes being arranged in two series alternately disposed, the spikes of one series being extended outwardly from and at right angles to said reinforcement and the spikes of the other series being extended downwardly along and bearing backwardly against the reinforcement, the lower portions of said downwardly extended spikes being extended outwardly substantially parallel with the first named spikes and below the centers of the spaces between them, the free ends of all of the spikes being disposed in an imaginary surface parallel with the plate, and means for attaching the plate to the head of an animal.

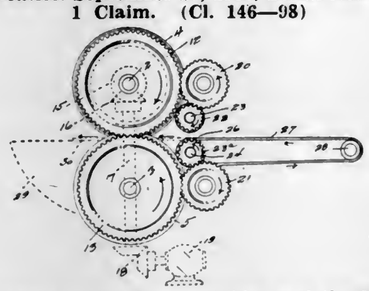
2,084,920
ELEVATOR STRUCTURE
Peter J. P. Schrag, McPherson, and John J. Schrag, Moundridge, Kans.
Application April 16, 1936, Serial No. 74,748
5 Claims. (Cl. 198—141)

1. In an elevator structure, including a vertical housing having a top cover, an outlet and an endless cup system for raising material from the lower part of the housing into the upper part, and means arranged in the upper part of the housing above the conveyor system upon the top of which material may fall after being projected upwardly from the conveyor cups when the conveyor is



operated at high speed, to flow into the said outlet.

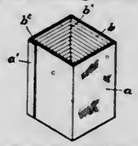
2,084,921
SLICING MACHINE
Loukas Skliris, Belmar, N. J.
Application September 20, 1935, Serial No. 41,454
1 Claim. (Cl. 146—98)



A rotary cutter for vegetables and the like of the type having complementary rotary cylinders one of which carries a plurality of circular knives fitting into cooperating grooves in the other cylinder; complementary feed rolls in advance of the cylinders, intermeshing gears one on each cylinder, a gear on each feed roll not meshing with the cylinder gears, and idler gears located in advance of the gears on the cylinders and respectively above and below the respective gears on the feed rolls but not having their axes of rotation located between said gears on the cylinders and those on the feed rolls, means for driving either of the gears on the cylinders for the purpose defined and the gear on each feed roll and idler gear meshing therewith and with each cylinder gear being substantially identical in size, operation and position with the feed roll, idler and cylinder gear in the companion group of gears identified with each of the respective cylinders.

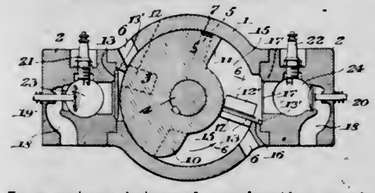
2,084,922
CORRUGATED WRAPPER
Melvin H. Sidebotham, West Newton, Mass., assignor to Specialty Automatic Machine Company, Medford, Mass., a corporation of Massachusetts
Original application February 27, 1934, Serial No. 713,222. Divided and this application June 12, 1935, Serial No. 26,153
3 Claims. (Cl. 229—90)

1. A flat-folded wrapper tube, designed for transverse severance into wrapper sections, said wrapper tube comprising an inner member and an outer member adhesively secured together, the said inner member being a corrugated rigidifying element the opposite longitudinal edges of which



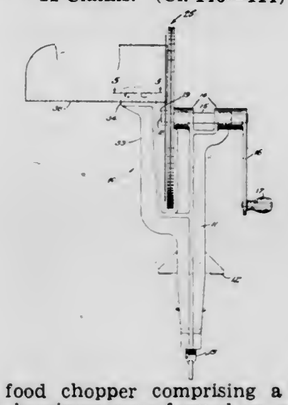
are relatively juxtaposed forming a joint, the outer member being a binding element one of the longitudinal edges of which extends integrally beyond the joint of the said inner member thus forming a connecting flap secured upon the outer surface of the wrapper tube.

2,084,923
ROTARY INTERNAL COMBUSTION ENGINE
Walter Sopher, Grand Island, Nebr.
Application November 26, 1930, Serial No. 498,470
8 Claims. (Cl. 123—15)



1. In a rotary internal combustion engine, the combination with a rotor and the cylinder in which it is adapted to revolve, of a port having a valve seat for admitting the fired charge to the cylinder for action on said rotor, a swinging abutment valve movable into the cylinder to admit the charge thereto and also adapted to close said valve seat, a second swinging abutment valve adapted to bridge the space between the cylinder and the rotor, and means on the rotor adapted, during the rotation of said rotor, first to engage and swing the second swinging abutment valve and then to engage and close the first-named abutment valve.

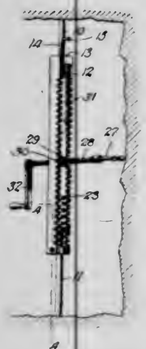
2,084,924
FOOD CHOPPER
Gilson C. Staats, Folsom, Pa.
Application June 14, 1934, Serial No. 730,672
11 Claims. (Cl. 146—114)



1. A food chopper comprising a supporting bracket, bearing means formed on said bracket,

a rotatable shaft supported in said bearing means, a crank handle secured to one end of said rotatable shaft, cutting means secured to the other end of said rotatable shaft, said rotatable cutting means comprising a pair of discs, and knife blade means secured by said pair of discs therebetween and having knife edge means substantially within the periphery of said discs and extending beyond the plane of said discs.

2,084,925
DRILL POST
Allen M. Staten, Pershing, Iowa
Application July 31, 1936, Serial No. 93,704
5 Claims. (Cl. 255—53)



1. A mine drill post comprising a body bar and spurs mounted at the remote ends of the bar, the bar at one end being provided with a pivotally mounted cross-head through which the associated spur extends, the upper end of the spur overlapping the bar and the latter and the spur being provided with cooperating means to impart turning movement to the spur without axial movement and thereby rock the cross-head and align the bar and spur by a toggle joint action.

2,084,926
COMBINED FASTENING STRUCTURE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Original application May 8, 1936, Serial No. 78,711. Divided and this application November 19, 1936, Serial No. 111,653
3 Claims. (Cl. 189—36)



1. In securing parts not accessible from both sides, the combination of a support readily accessible from one side only and provided with a bolt passage and an assembling slot, a part to be connected to said support and a one-piece connecting device comprising a pair of members one of which is provided with bolt receiving means deformed therefrom and is applicable through the assembling slot from the accessible side of the support to be positioned on the opposite side thereof with the bolt receiving means overlying the bolt passage and in position to receive a bolt fastening to connect said part to the support.

2,084,927
SYNTHETIC RESINS AND OILS
Charles C. Towne, Poughkeepsie, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 3, 1934 Serial No. 738,293
4 Claims. (Cl. 260—2)

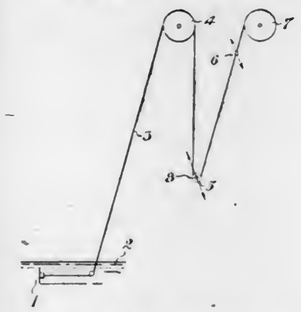
2. The process of preparing a synthetic resin which comprises condensing about 1–2 parts by weight of benzene with about 8 parts by weight of an olefine chloride selected from the group consisting of ethylene chloride and propylene chloride, in the presence of a condensation catalyst selected from the group consisting of metallic aluminum and metallic halides of the Friedel-Craft type, adding an aqueous liquid to decompose and dissolve the catalyst prior to gelation, separating the solution of catalyst from the resinous reaction product, and removing liquid solvents by distillation from the resinous reaction product to obtain a solid resin.

4. A solid, hard, brittle, synthetic resin comprising a non-gelled condensation product of about 8 parts by weight of propylene chloride with about 1–2 parts by weight of benzene, in the presence of a condensation catalyst selected from the group consisting of metallic aluminum and metallic halides of the Friedel-Craft type.

2,084,928
SILVER SOLDER
Harold Turner, Sheffield, England, assignor to Johnson Matthey & Company Limited, London, England, a British company
No Drawing. Application January 29, 1935, Serial No. 3,954. In Great Britain January 30, 1934
6 Claims. (Cl. 75—173)

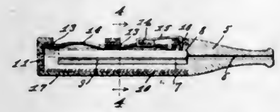
1. A silver-containing solder for joining rustless or stainless iron or steel alloys and having a solidus below the melting point of the copper-silver eutectic (778° C.) consisting of from 15 to 70 per cent of silver, from 5 to 20 per cent of manganese and from 20 to 65 per cent of copper.

2,084,929
SPINNING ARRANGEMENT
Hendrik Gerardus van der Waals, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application May 17, 1935, Serial No. 22,095
In the Netherlands May 24, 1934
3 Claims. (Cl. 18—8)



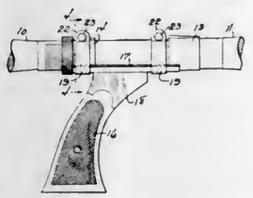
1. An apparatus for spinning artificial silk thread and the like comprising a spinneret, a bobbin for collecting the thread, a draw-off roller in the path of travel of the thread, a traversing thread guide for laying the thread upon the bobbin and a thread guide in advance of the traversing guide mounted for free lateral movement in accordance with the movement of the advanced portion of the thread as effected by the traversing guide.

2,084,930
CIGARETTE HOLDER
Fred F. Wenzel, South Bend, Ind.
Application July 22, 1936, Serial No. 91,974
1 Claim. (Cl. 131—51)



The combination of a mouth piece, a barrel closed at one end and open at the other end and detachably fitted with the mouth piece at its open end, the said barrel having openings, a heat and fire resisting covering on said barrel, and a latch carried by the barrel and engageable with the mouth piece for detachably securing the same together and also acting as a cigarette ejector by engaging the cigarette when within the holder on the separation of the barrel from the mouth piece.

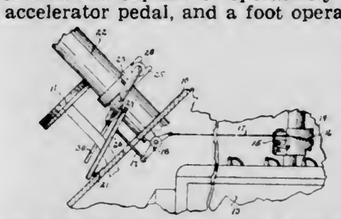
2,084,931
DEEP SEA ROD PISTOL GRIP
John D. Williams, Philadelphia, Pa.
Application December 7, 1936, Serial No. 114,690
1 Claim. (Cl. 43—23)



A deep sea fishing rod having a reel seat, a pistol grip having an elongated flange shaped to conform to the contour of the reel seat, and clamps adapted to embrace the reel seat and the ends of the flange and secure the pistol grip to the reel seat.

2,084,932
AUXILIARY ACCELERATOR CONTROL
Rollin M. Allen, Marshalltown, Iowa
Application June 11, 1936, Serial No. 84,701
2 Claims. (Cl. 74—482)

1. In combination with an automotive vehicle having a steering column in the driver's compartment, a foot operated accelerator pedal positioned to one side of said steering column and capable of accelerating the flow of gas through the carburetor of said vehicle when depressed and a spring for yieldingly holding said accelerator pedal in a neutral position, an auxiliary accelerator control comprising, an elongated bracket secured to said steering column and running transversely to the longitudinal axis of said steering column, forked bearing members formed on each end of said bracket and extending in an upwardly direction therefrom, an elongated rod designed to be detachably rotatably mounted in said forked bearing members, a means for preventing the sliding movement of said rod relative to said bracket, a contact member on one end of said rod capable of operatively engaging said accelerator pedal, and a foot operated lever



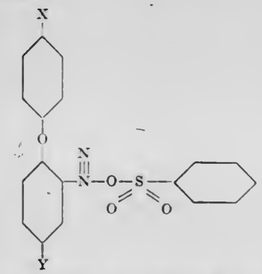
on the other end of said rod of greater length than said contact member and positioned on the other side of said steering column from said accelerator pedal; said contact member operating said pedal when said lever is actuated.

2,084,933
ASPHALT VARNISH
Alfonso M. Alvarado, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 26, 1935, Serial No. 42,355
6 Claims. (Cl. 91—68)

1. A gilsonite-drying oil varnish highly pigmented with carbon black and containing a small amount of saturated aliphatic monohydric alcohol having from ten to twenty carbon atoms.

2,084,934
DIAZONIUM SALTS
Gérald Bonhôte and Adolf Wirz, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application March 26, 1936, Serial No. 71,044. In Switzerland April 2, 1935
4 Claims. (Cl. 260—69)

1. As new products, the diazonium salts of the general formula

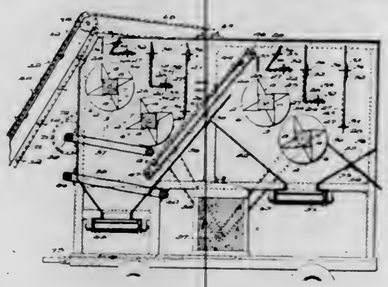


in which X stands for a member of the group consisting of chlorine and hydrogen, and Y stands for a member of the group consisting of chlorine and $COOC_2H_5$, and in which at least one of the two symbols X and Y stands for chlorine, which products are light colored powders suitable for the manufacture of diazo preparations.

2,084,935
VINER
Francis J. Bott, Seattle, Wash.
Application February 15, 1937, Serial No. 125,862
9 Claims. (Cl. 130—30)

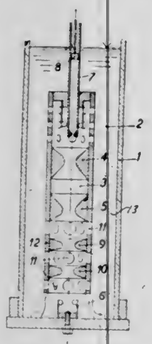
7. A viner for threshing peas and beans embodying a plurality of spaced beater cylinders

for successively acting upon the vines, said cylinders being rotatable on substantially horizontal independent axes and each being provided with a plurality of beaters extending lengthwise of their respective cylinders for a distance substantially coextensive with the portion thereof that is in the path of the vines, means for ro-



tating said cylinders, means for feeding the vines downwardly to one of said cylinders, a plurality of downwardly facing baffles respectively associated with said cylinders and spaced upwardly therefrom, and a movable elevator acting to convey vines from one of said cylinders to the next succeeding cylinder.

2,084,936
ELECTRIC CIRCUIT BREAKER
Charles Bresson, Villeurbanne, France, assignor to Ateliers de Constructions Electriques de Delle, Paris, France
Application February 18, 1935, Serial No. 7,138
In Germany February 20, 1934
14 Claims. (Cl. 200—150)



1. An electric circuit-breaker comprising, in combination, a vessel containing liquid; an arc extinguishing chamber having aligned openings, one at either end; a fixed contact exterior to and spaced from one end of said chamber; a cooperating contact movable toward and from said fixed contact in alignment with said openings to draw an arc through said chamber; arc guiding means between said fixed contact and said chamber, said guiding means being spaced from the axis of said openings a distance not greater than the distance from said axis to the inner wall of said chamber; and supporting means to support said chamber and said arc guiding means in their relative positions within said vessel, said chamber and said guiding means being submerged in said liquid, and said supporting means adjacent said guiding means being provided with ports for free passage of said liquid.

2,084,937
PURIFICATION OF TETRACHLOROETHYLENE
Edgar C. Britton, Gerald H. Coleman, and John W. Zemba, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 4, 1935, Serial No. 14,586
12 Claims. (Cl. 260—162)

1. In a method of purifying tetrachloroethylene containing other chlorinated aliphatic hydrocarbons which tend to distill therewith, the step which consists in heating the impure tetrachloroethylene to a temperature sufficient substantially to decompose said impurites with formation of hydrogen chloride therefrom.

9. In a method of purifying tetrachloroethylene containing as an impurity another chlorinated aliphatic hydrocarbon which tends to distill therewith, the steps which consist in passing vapors of the impure tetrachloroethylene through a bed of a substantially non-volatile porous surface catalyst heated to a temperature between about 250° and about 800° C., whereby said impurity is decomposed with formation of hydrogen chloride, thereafter cooling the vapors sufficiently to condense tetrachloroethylene therefrom, and fractionally distilling the condensate to separate the tetrachloroethylene in purified form.

2,084,938
WEARING APPAREL
Conrad J. Busch, Wyomissing, and Otto Eugene Huber, Reading, Pa., assignors to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application March 13, 1936, Serial No. 68,702
2 Claims. (Cl. 2—240)

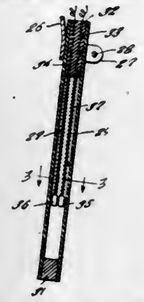


1. A knitted stocking having a garter seamed to the upper edge thereof, said garter having relatively large straight elastic warp threads of uniform size spaced across its width and a portion thereof having openings to enhance the garter effect, the seamed edge of the garter having a plurality of said warps therein and a reduced thickness produced by solidly arranged weft threads of reduced size compared to the weft threads in the major portion of the garter, and an elastic seam having a plurality of rows of stitches intermediate the warps in the portion of reduced thickness.

2,084,939
DEFLATION INDICATOR SWITCH
Frank L. Byron, Delta, Utah
Application September 5, 1936, Serial No. 99,641
1 Claim. (Cl. 200—58)

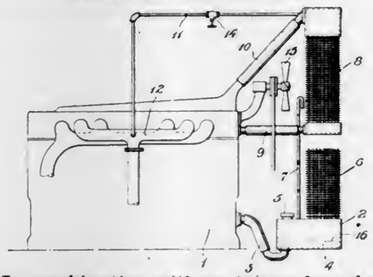
An electrical switch of the class described comprising a flexible tubing, a pair of conductors extending into said tubing at one end thereof, and elongated coil spring members extending longitudinally in said tubing and through which said

conductors extend, contact members at the lower ends of said spring members in normal spaced



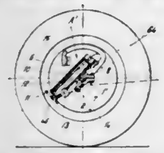
relation adapted to be brought together when said tubing is flexed to close said contact.

2,084,940
COOLING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Winston Caldwell, Nashville, Tenn.
Application July 11, 1936, Serial No. 90,230
5 Claims. (Cl. 123—174)



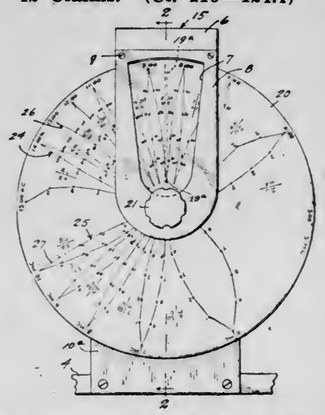
1. In combination with an internal combustion engine having a cooling jacket, a reservoir, a conduit directly connecting the engine cooling jacket and reservoir, a radiator positioned above the motor level, connections between the radiator and the cooling motor jacket forming a closed circuit, and means for causing initial suction within the radiator for elevating the fluid in the reservoir to the radiator through said engine cooling jacket.

2,084,941
MEANS FOR LIFTING VEHICLES
Arrigo Capello, E. Echeverria (F. C. S. Buenos Aires), Argentina
Application December 29, 1934, Serial No. 759,782
In Italy January 3, 1934
5 Claims. (Cl. 254—86)



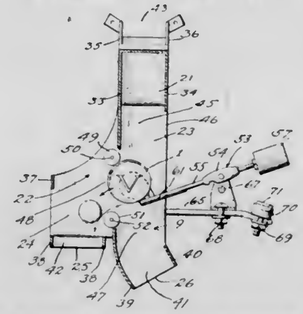
1. Means for lifting a vehicle comprising extensible stays mounted on the vehicle, each of said stays including a part mounted to swing through an angle on said vehicle and a movable part mounted to telescope with respect to said part, a flexible member connected with said movable part, guiding means on said part for said flexible member, an operating member connected with all said flexible members, means for shifting said operating member to cause said parts to swing on said vehicle and said movable parts to extend therefrom, and return means for said swinging and movable parts.

2,084,942
DIAL STRUCTURE
Webster I. Carpenter, Norfolk, Va.
Application July 13, 1936, Serial No. 90,412
42 Claims. (Cl. 116—124.4)



1. A dial structure comprising a semi-translucent rotatable element provided with oppositely disposed dial band scales on one face thereof, each of said scales being formed with translucent spreads, each spread constituting a division of a scale, and means arranged rearwardly of said element for forming a movable bright spot on said spread to constitute a finder common to both scales, for one spot band spread and frequency setting.

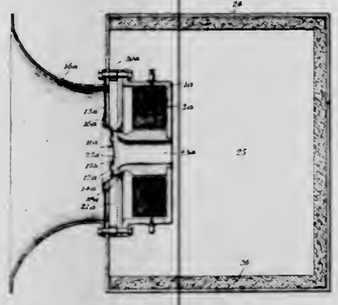
2,084,943
COIN OR SLUG SELECTOR DEVICE OR ATTACHMENT
William M. Christopher, Tonawanda, N. Y.
Application June 20, 1936, Serial No. 86,429
5 Claims. (Cl. 194—103)



5. In a selector device, a conducting structure common to a coin and light and heavy slugs, said structure having independent outlets respectively for the coin, the light slug and the heavy slug, said structure being provided with a pair of independent chutes, one leading to the outlet for the coin and the other leading to the outlet for the heavy slug, a shiftable selecting element extending into said structure in the path of the

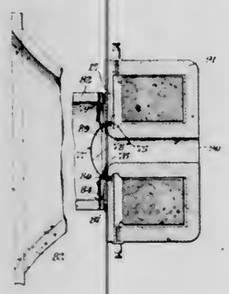
coin and slugs, and spaced superposed guide rollers at the intake end of the chute leading to the outlet for the coin to prevent the wedging of a coin or heavy slug as it travels through said structure and to prevent a coin or heavy slug centering between said rollers and the inner end of said element.

2,084,944
ACOUSTIC DEVICE
Lionel B. Cornwell, New York, N. Y.
Application July 3, 1933, Serial No. 678,832
4 Claims. (Cl. 179—115.5)



4. In an acoustic device, a plunger diaphragm having fastened to the back thereof a cylinder on which is wound a voice coil, said cylinder and coil being positioned within a narrow annular area between the pole faces of a magnet, an air chamber back of said diaphragm within said cylinder, an air chamber back of said diaphragm outside of said cylinder, and means for venting each of said air chambers to a common air space, said venting means being proportioned to maintain the air pressures in said chambers substantially uniform to prevent substantial flow of air past said coil cylinder.

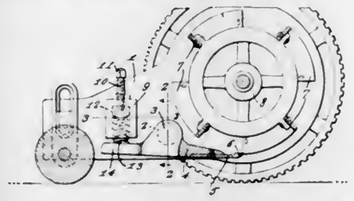
2,084,945
LOUDSPEAKER
Lionel B. Cornwell, Teaneck, N. J.
Application December 5, 1935, Serial No. 53,018
20 Claims. (Cl. 179—115.5)



6. In an acoustic device, the combination with a vibratile member of means to vibrate said member comprising a thin mica cylinder rigidly secured to said member and a voice coil carried by said mica cylinder.

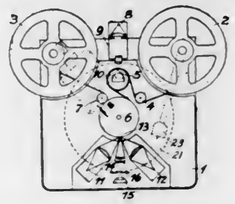
20. In an acoustic device, a diaphragm comprising a relatively rigid central dome portion having at its periphery an annular grooved recess for reception of a voice coil support, a very rigid annular skirt surrounding said grooved recess, and a relatively flexible marginal area fastened to said rigid skirt.

2,084,946
LAWN MOWER
Herman J. Couture, Watertown, Mass.
Application September 16, 1935, Serial No. 40,856
2 Claims. (Cl. 56—294)



1. In a lawn mower, a frame including side plates, a cutting reel provided with blades and rotatably mounted in the side plates, a cutter bar including a body, a blade secured to the body and for disposal in the path of the first blades, projections secured to and extending rearwardly from the body, trunnions secured to and extending laterally from the projections and journaled in the side plates for rockably mounting the cutter bar with respect thereto, spring means mounted on the side plates and engageable with the projections rearwardly of the trunnions, adjustable means for the spring means and acting to compress the same to vary the tension thereof and to urge the blade of the cutter bar in the path of the cutting reel blades for wiping engagement thereby, pawl and ratchet means mounted on the side plates and trunnions respectively, and said pawl and ratchet means cooperating with the spring means to hold the cutter bar blade in constant floating contact with the cutting reel blades and to automatically adjust the cutter bar blade accordingly.

2,084,947
APPARATUS FOR REPRODUCING SOUNDS RECORDED ON STRIPS
Oskar Czeija, Josef Lebzelter, and Anton Scherenzel, Vienna, Austria, assignors to "Selenophon" Licht- und Tonbildgesellschaft m. b. H., Vienna, Austria, a company of Austria
Application December 23, 1932, Serial No. 648,688
In Austria December 24, 1931
5 Claims. (Cl. 274—5)



1. An apparatus for sound reproducing comprising a shaft constructed and arranged to have a gramophone disc pushed onto the top end thereof, a toothless feed wheel on said shaft below said top end adapted to feed a band shaped optical record carrier without requiring perforations therein, a sound box adapted to cooperate with said gramophone disc, a cover plate, and a supply roller and a winding up roller mounted

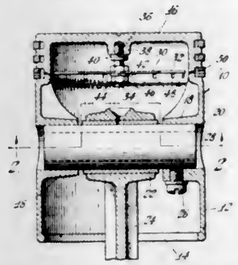
near the corners of said plate and in the plane of said feed wheel, whereby adjacent portions of the peripheries of said rollers underlie the overhang of said gramophone disc and more remote portions thereof extend beyond said cover plate, frictional gearing carried by said shaft below said feed wheel, and a motor constructed and arranged to drive said frictional gearing and thereby drive said shaft at the normal number of revolutions for reproduction from gramophone discs.

2,084,948
ELASTIC PROTECTOR FOR SHOES
Leopaul C. De Cuir, Los Angeles, Calif.
Application October 6, 1936, Serial No. 104,330
3 Claims. (Cl. 36—72)



1. An elastic protector shaped to completely cover the upper of a shoe leaving only the sole and heel of the shoe exposed, and pressure means for holding the protector in place said means consisting of a thickened elastic portion at the heel of the protector having downwardly curved ends which merge with the protector at the shank portion in front of the heel portion, the pressure portion being characterized by exhibiting a tendency to contract so as to almost dispose the inner faces of the protector at the pressure portion in contact with each other when the protector is not in use.

2,084,949
PISTON
Alva L. Dorrell, Chicago, Ill.
Application January 17, 1934, Serial No. 707,023
1 Claim. (Cl. 309—21)



In a piston construction comprising a head and a skirt, a baffle plate mounted within the skirt in spaced relation with the head and having an opening, a screw threadedly related to the head and extending through said opening, a lock washer mounted upon the screw adjacent the head, a sleeve mounted upon said screw and having abutting relation with said lock nut and the baffle plate, a second lock nut mounted upon the screw adjacent the opposite side of the baffle plate, and a nut having threaded relation with the screw and abutting the second washer.

2,084,950
COMPRESSION OF FLUORINATED HYDROCARBONS
Frederick Baxter Downing, Carneys Point, and Anthony Francis Benning, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 26, 1935, Serial No. 13,174
11 Claims. (Cl. 62—178)

1. The method of compressing gaseous fluorinated aliphatic hydrocarbons which comprises compressing the gaseous fluorinated hydrocarbons in the presence of lubricants consisting of liquid organic esters of phosphorus acids, said liquid organic esters being substantially immiscible with the fluorinated aliphatic hydrocarbons.

2,084,951
ELECTRIC MARCEL MACHINE
Bertha Engele, Okawville, Ill.
Application February 3, 1936, Serial No. 62,202
1 Claim. (Cl. 219—24)

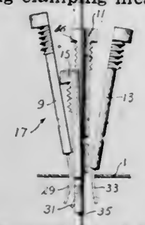


In an electric Marcel machine, a flat hollow curling rod having a ball at one end and having a threaded straight shank at the opposite end, a separable plug connector on the threaded end of the rod, a heating coil extending longitudinally through the rod from the plug connector to the ball, said rod having a plurality of hollow fingers disposed on opposite sides thereof, the hollow interior of each finger communicating with the hollow interior of the rod, the fingers on one side being staggered with respect to the fingers on other side, the end fingers on one side of the rod being curved to provide hooks for securing to the rod a lock of hair wound upon the rod between the fingers, and a removable housing adapted to be clamped upon the rod to set the lock of hair during the heating operation.

2,084,952
METHOD AND MEANS FOR REPAIRING HOLLOW BODIES
Crosby Field, Brooklyn, N. Y., assignor to Flakice Corporation, Brooklyn, N. Y., a corporation of Delaware
Application July 21, 1934, Serial No. 736,317
9 Claims. (Cl. 29—148.2)

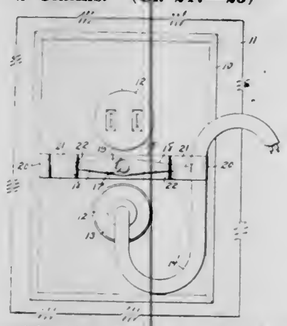
1. The method of securing a stud to edge portions of a hole in a wall of a hollow body while working from one side only of the wall, comprising the steps of selecting a stud with a head every radius of which is greater than the largest radius of said hole, and with a shank of slightly less radius than the radius of the whole, dividing the stud into longitudinal sections of such size that the sections may individually be passed through the hole, partially withdrawing the sections through the hole to form the assembled stud and to bring the head of the stud against

the inner edge portion of the hole to seal said hole, and applying clamping means over the stud



to clamp the edge portions of the hole between the stud head and clamping means.

2,084,953
CORD HOLDING ATTACHMENT
James D. Gibson, Cleveland, Ohio
Application August 3, 1936, Serial No. 94,108
2 Claims. (Cl. 247—23)

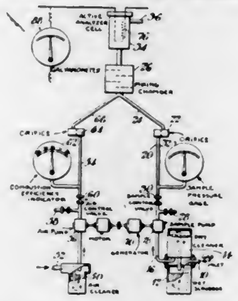


1. The combination with an outlet box having a plurality of plugs for receiving pronged caps of electric cords, of a cord holder secured to the cover of the box to extend transversely there across between adjacent plugs, and open spring loops on the ends of the cord holder adapted to receive electric cords and anchor the same to the outlet box cover.

2,084,954
GAS ANALYZING PROCESS
Robert G. Griswold, Westfield, N. J., assignor to Power Patents Company, Jersey City, N. J., a corporation of Maine
Application January 28, 1932, Serial No. 589,365
13 Claims. (Cl. 23—232)

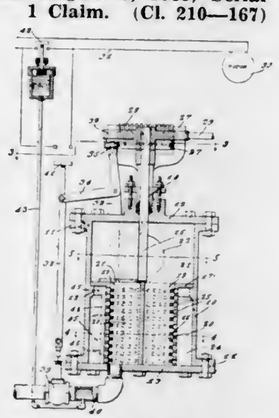
1. The method of analyzing exhaust gases from an internal combustion motor which comprises mixing a uniform volume of the gas to be analyzed with a reactive diluting gas, passing the mixture over a heated wire whereby the diluting gas is activated causing a temperature change in the wire from a preselected standard temperature ascertained by passing a like volume of exhaust gases of known composition admixed with a preselected volume of said diluting gas thereover while supplying energy to said wire from a source of constant potential, adjusting the amount of the said diluting gas to that required for bringing the wire again to the said standard temperature and for maintaining it there, and measuring the amount of diluting gas thus employed.

13. A process of analyzing the combustible content in a gas, which consists in withdrawing a portion of said gas by suction from the source of supply and feeding it under pressure through a conduit, permitting a part of the gas thus supplied through the conduit to escape to the atmosphere, conducting the remainder of the gas in the conduit in definite quantities continuously to a mixing chamber, pumping diluting air con-



tinuously into said mixing chamber in definite quantities, heating a wire of catalyzing material in a confined space electrically, conducting said mixture in said chamber to said space, and measuring the conductivity of the wire as a gauge as to the amount of combustible content in the gas.

2,084,955
FLUID STRAINER
Thomas E. Haught, Boldman, Ky.
Application August 6, 1935, Serial No. 35,011
1 Claim. (Cl. 210—167)



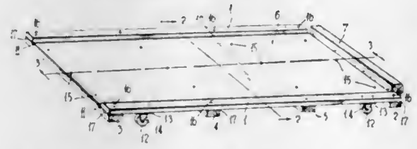
A strainer of the character described comprising a cylindrical casing closed at its opposite ends and having an inlet and outlet in different planes with respect to each other, a reticulated cylindrical strainer rotatably mounted within the cylindrical casing between the inlet and outlet, said strainer being spaced from the casing to provide an annular chamber therebetween, a flange extending outwardly from the upper portion of the strainer and contacting the casing for closing the said annular space from communication with the inlet, radially arranged partitions within the strainer for dividing the same into a plurality of chambers, a stationary cover member mounted on top of the strainer, said cover member being constructed and arranged to successively close the top of each individual chamber as the strainer is rotated, a baffle located in said annular space and having a slot for establishing communication between the said annular space and the chamber of the strainer which is covered, said baffle being located in close proximity to the strainer and

in conjunction with the said cover member completely closing off the said covered chamber from communication with the inlet, a discharge pipe leading from the cylindrical casing and communicating only with the chamber which is covered, driving means connected with said strainer for rotating the same, an electric motor operating said driving means and included in an electric circuit, a pressure switch within said circuit, means communicating the pressure switch with the discharge pipe whereby said pressure switch is operated by the pressure in said discharge pipe, a valve in said discharge pipe, means operatively connected with said motor and said driving means for opening said valve during a cleaning operation and closing it upon completion of the same, a switch in said electric circuit arranged in parallel with said pressure switch, and means operatively connecting said switch and valve whereby the switch is maintained in closed position when the valve is opened and in open position when the valve is closed.

2,084,956
METHOD OF PRESERVING PRELIMINARILY DRIED FRUIT
Karl Hessel, Berlin-Lichtenrade, Germany
No Drawing. Application May 20, 1932, Serial No. 612,635. In Germany September 12, 1929
2 Claims. (Cl. 99—168)

1. A method of preserving fruit which comprises disintegrating preliminarily dried fruit, from which the largest portion of the moisture has been removed, into fragments and then coating the fragments so obtained, with dry pulverulent sugar, the sugar absorbing the moisture which has been driven to the surface of said fragments by said disintegration and forming a dry, stable coating on said fragments.

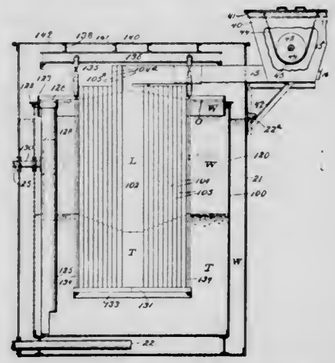
2,084,957
CREEPER
Reed O. Hulbert, Ashtabula, Ohio
Application August 24, 1936, Serial No. 97,675
4 Claims. (Cl. 280—61.5)



1. A creeper comprising a pair of longitudinal side rails, casters supporting said rails and mounted directly on the under surface thereof, cross members connecting the rails, shims interposed between the adjacent surfaces of said members and rails to space the members below the rails, and a body supported on the cross members between the rails.

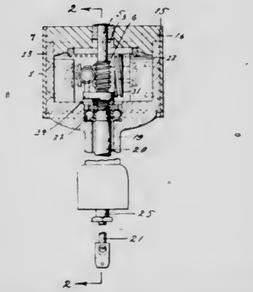
2,084,958
LIQUID SEPARATION METHOD AND APPARATUS
James F. Hunter, New Rochelle, N. Y.
Application July 16, 1935, Serial No. 31,556
20 Claims. (Cl. 210—43)

1. Method of separating tar and water, combined as an emulsion and mixture, comprising flowing the emulsified and mixed liquids under forcing head and substantial speed from an inlet point through a curved passage of narrow width, of height many times its width and of length of travel many times its height, and thereby during such flow subjecting the heavy tar to extensive rolling and working movements against the concave side of the passage thereby to cause portions of the tar to release enveloped particles of the



water, accompanied by progressive coalescence of the particles of the tar constituent into bodies continually increasing in size, and by progressive gravity classification of the onward flowing constituent liquids as they advance toward separate outlet points.

2,084,959
VALVE GRINDER
William E. Jessop, Toronto, Ontario, Canada
Application November 17, 1934, Serial No. 753,488
In Canada November 17, 1933
1 Claim. (Cl. 51—29)

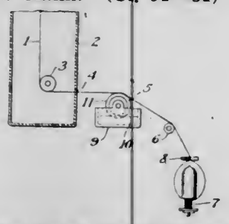


In a valve grinder, the combination with a motor casing having a worm driving shaft extending therefrom, of a non-rotatable ring gear encircling said driving shaft, the teeth of said gear being circular in cross section and extending parallel with said shaft, a housing rotatable around said ring gear, a tool carrying spindle rotatably journaled in said housing in axial alignment with said driving shaft and spaced therefrom, a shaft mounted within said housing in transverse relation to said driving shaft and having a crank portion towards one end thereof, said shaft also having a worm wheel meshing with said driving shaft, an arm extending laterally from said tool carrying spindle, a rod loosely mounted at one end on the crank portion of said transverse shaft and having connection at its other end with the end of said arm from the tool carrying spindle, and a worm gear carried by said transverse shaft and in operative engagement with said non-rotatable ring gear.

2,084,960
APPARATUS FOR APPLYING LUBRICANTS TO YARN

Joseph B. Johnson, and Leslie L. Cobb, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 10, 1935, Serial No. 15,731
1 Claim. (Cl. 91—51)

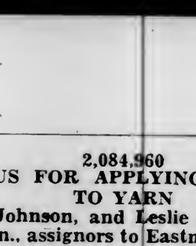


An apparatus for applying lubricants and the like to textile yarns including yarn guides, a roller over which the yarn may pass, means for supplying a lubricant to the roller, said roller including a true cylindrical surface slightly deformed over all of said surface by sand blasting and adapted to convey lubricant to yarn passing thereover, the deformed surface entirely covering the surface of the cylinder.

2,084,961
DUPLEX CONNECTER

Carl G. Bondeson, Terryville, Conn., assignor to The Andrew Terry Company, Terryville, Conn., a corporation of Connecticut

Application November 22, 1934, Serial No. 754,284
5 Claims. (Cl. 285—25)



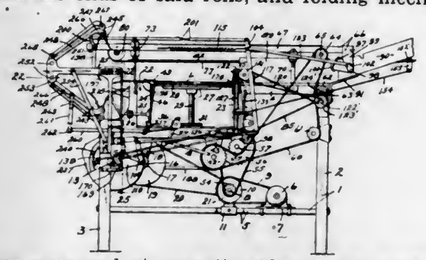
1. A duplex connecter having a neck adapted to be inserted in a hole in an outlet box to be secured to the latter; a body portion for receiving side by side a pair of armored cables; a clamping piece and draft means therefor on the body portion to engage and clamp the movable cables to the connecter, said clamping piece being physically separate from the body portion; and a lug on the clamping piece intermediate its ends adapted to extend through an aperture in the body member and form a division wall to separate said armored cables.

2,084,962
LABELING MACHINE

Harold W. Slade, Phoenix, N. Y., assignor to Phoenix Toilet & Paper Mfg. Co. Inc., Phoenix, N. Y., a corporation of New York

Application August 21, 1935, Serial No. 37,206
22 Claims. (Cl. 93—5)

1. A labeling machine of the class described comprising a substantially straight, continuous runway for rolls of paper or the like having an axially disposed opening, feed means including an endless conveyor for rolling such rolls along the runway, means including an adhesive applying mechanism mounted intermediate the ends of the conveyor cooperating with the feed means for applying and affixing labels to the rolls with the edge of said labels projecting beyond the ends of said rolls, and folding mecha-

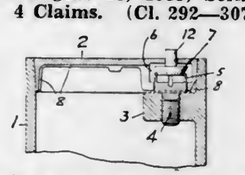


nism arranged at opposite sides of the runway adjacent an end of the conveyor for gathering in said projecting edges of the label and tucking the excess portions thereof into said axial opening.

2,084,963
FASTENING AND DETECTING MEANS FOR VALVES AND THE LIKE

Fred O. Paige, Jr., Hammond, Ind., assignor to Kitson Company, Philadelphia, Pa., a corporation of West Virginia

Application August 15, 1935, Serial No. 36,301
4 Claims. (Cl. 292—307)

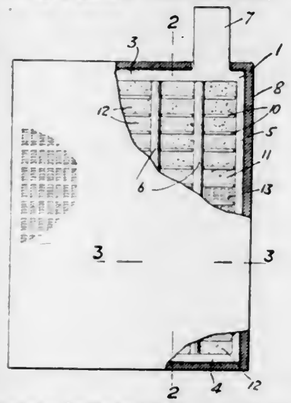


1. In combination two elements adapted to be inseparably held together except by the fracture of one of them, an internally enlarged socket provided in one of said elements, a screw mounted in the other of said elements and having an expansible head adapted to enter the enlargement of the socket and a swage arranged for movement in the socket, in operative relation to the head and adapted when operated through one of the elements to expand the head.

2,084,964
STORAGE BATTERY PLATE

Edward W. Smith, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application April 13, 1935, Serial No. 16,151
10 Claims. (Cl. 136—55)



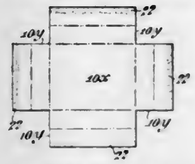
4. A storage battery plate comprising, a grid of conducting metal having a horizontal top bar,

conducting rods depending therefrom, and a rigid perforated enclosing case of non-conducting acid-resisting material enclosing said grid and provided with a series of vertically-spaced horizontally-projecting ledges meeting from opposite sides between the conducting rods and forming enclosed pockets.

2,084,965
CARDBOARD BOX CONSTRUCTION

Elias Wolf, Melrose, Pa., assignor to National Metal Edge Box Company, Philadelphia, Pa., a partnership composed of Louis Wolf, Elias Wolf, Howard A. Wolf, and Walter L. Wolf

Application July 27, 1935, Serial No. 33,512
1 Claim. (Cl. 229—49)

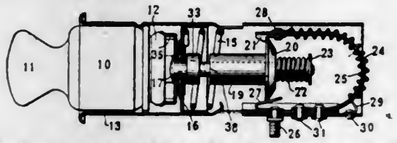


A polygonal cardboard box section formed of a cardboard blank having a central rectangular panel and four generally rectangular side panels integral therewith and extending from the respective sides thereof and having a width more or less approximately twice the height of the side walls of the box section, each of said side panels being folded back upon itself along a line parallel with the corresponding side of said central panel and at a distance therefrom more or less approximately one-half the width of such side panel;—said side panels being folded to a position at a right angle to the central panel, along the respective sides thereof, with the juxtaposed ends of adjacent two-ply side panels in generally abutting relation to each other; the inner longitudinal marginal zones only of said folded side-panel portions being adhesively secured to the juxtaposed portions of said side-panels, and a sheet-metal strip overlapping the abutting end zones of adjacent side panels and having prongs thereon extending into both adjacent layers of cardboard of each of said adjacent side panels, thereby forming the sole fastening connection between said adjacent two-ply side panels and forming an interconnection between the two adjacent layers of cardboard of each of said two-ply side panels along the end marginal zones thereof.

2,084,966
ELECTRIC HEATER

Philip E. Ashton, Meriden, Conn., assignor to The Cuno Engineering Corporation, Meriden, Conn., a corporation of Connecticut

Application March 25, 1936, Serial No. 70,779
23 Claims. (Cl. 219—32)

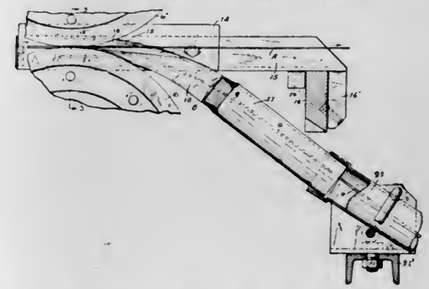


19. In a cigar lighter the combination with a stationary member, of a removable member, an igniter carried by one of said members, electric current contacts for each of the members, a switch carried by one of them in addition to said contacts, means for closing said switch on movement of the removable member from normal position with respect to the stationary member, means for returning the removable member to normal position, and a delay action means for opening the switch while the removable member is maintained in its normal position with its contacts engaged with those of the stationary member.

2,084,967
MECHANISM FOR CUTTING SHEET MATERIAL

Claude R. Babb, Lakewood, Ohio, assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio

Application January 20, 1936, Serial No. 59,848
11 Claims. (Cl. 164—10.6)

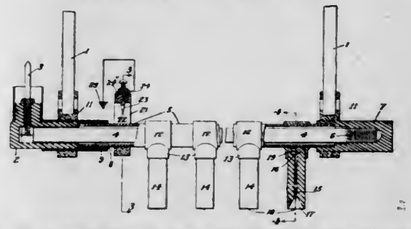


1. In a machine having a set of cutters for trimming the marginal edge of sheet material and means for feeding material thereto, a hollow member having its inner end disposed in operative relation to the cutters to receive the marginal edge of the material and provided with a wall disposed in the plane of one of the cutters, the terminating edge of said wall being disposed transversely of the cutter and arranged to deflect from the plane of the material the trimmed-off edge, and guide means for the trimmed-off edge.

2,084,968
NEUTRALIZING APPARATUS

William H. Chapman, Portland, Maine, assignor to Chapman Electric Neutralizer Company, Portland, Maine, a corporation of Maine

Application March 3, 1937, Serial No. 128,837
10 Claims. (Cl. 175—264)



1. In apparatus for controlling the static electricity of a moving sheet, an insulated conductor for connection with a source of high tension alternating current, a metallic member capacitatively connected to said conductor, a plurality of discharge points carried by said member, and means to ground said member, and said means including an air gap.

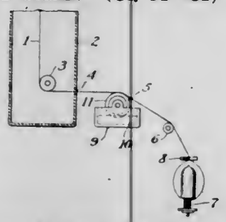
2,084,969
AIRSHIP

Franklin B. Clark, Washington, D. C.

Application June 26, 1933, Serial No. 677,711
Renewed May 15, 1936
11 Claims. (Cl. 244—30)

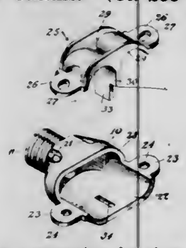
1. An airship of the lighter-than-air type having an elongated buoyant body with a blunt convexly curved nose and which is substantially

2,084,960
APPARATUS FOR APPLYING LUBRICANTS TO YARN
Joseph B. Johnson, and Leslie L. Cobb, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 10, 1935, Serial No. 15,731
1 Claim. (Cl. 91—51)



An apparatus for applying lubricants and the like to textile yarns including yarn guides, a roller over which the yarn may pass, means for supplying a lubricant to the roller, said roller including a true cylindrical surface slightly deformed over all of said surface by sand blasting and adapted to convey lubricant to yarn passing thereover, the deformed surface entirely covering the surface of the cylinder.

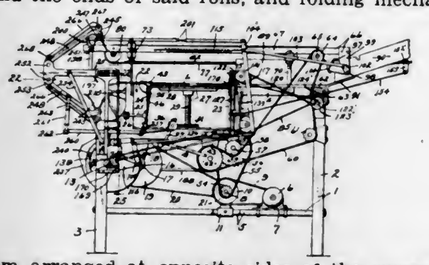
2,084,961
DUPLEX CONNECTER
Carl G. Bondeson, Terryville, Conn., assignor to The Andrew Terry Company, Terryville, Conn., a corporation of Connecticut
Application November 22, 1934, Serial No. 754,284
5 Claims. (Cl. 285—25)



1. A duplex connecter having a neck adapted to be inserted in a hole in an outlet box to be secured to the latter; a body portion for receiving side by side a pair of armored cables; a clamping piece and draft means therefor on the body portion to engage and clamp the movable cables to the connecter, said clamping piece being physically separate from the body portion; and a lug on the clamping piece intermediate its ends adapted to extend through an aperture in the body member and form a division wall to separate said armored cables.

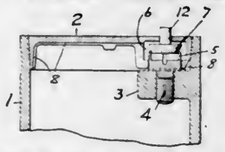
2,084,962
LABELING MACHINE
Harold W. Slade, Phoenix, N. Y., assignor to Phoenix Toilet & Paper Mfg. Co. Inc., Phoenix, N. Y., a corporation of New York
Application August 21, 1935, Serial No. 37,206
22 Claims. (Cl. 93—5)

1. A labeling machine of the class described comprising a substantially straight, continuous runway for rolls of paper or the like having an axially disposed opening, feed means including an endless conveyor for rolling such rolls along the runway, means including an adhesive applying mechanism mounted intermediate the ends of the conveyor cooperating with the feed means for applying and affixing labels to the rolls with the edge of said labels projecting beyond the ends of said rolls, and folding mecha-



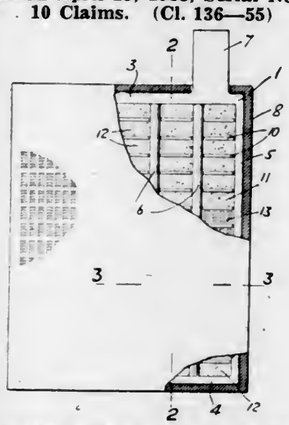
nism arranged at opposite sides of the runway adjacent an end of the conveyor for gathering in said projecting edges of the label and tucking the excess portions thereof into said axial opening.

2,084,963
FASTENING AND DETECTING MEANS FOR VALVES AND THE LIKE
Fred O. Paige, Jr., Hammond, Ind., assignor to Kitson Company, Philadelphia, Pa., a corporation of West Virginia
Application August 15, 1935, Serial No. 36,301
4 Claims. (Cl. 292—307)



1. In combination two elements adapted to be inseparably held together except by the fracture of one of them, an internally enlarged socket provided in one of said elements, a screw mounted in the other of said elements and having an expansible head adapted to enter the enlargement of the socket and a swage arranged for movement in the socket, in operative relation to the head and adapted when operated through one of the elements to expand the head.

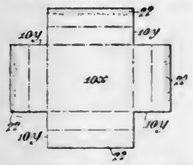
2,084,964
STORAGE BATTERY PLATE
Edward W. Smith, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application April 13, 1935, Serial No. 16,151
10 Claims. (Cl. 136—55)



4. A storage battery plate comprising, a grid of conducting metal having a horizontal top bar,

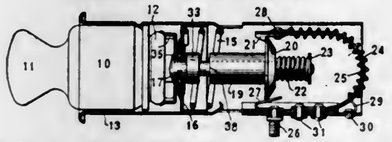
conducting rods depending therefrom, and a rigid perforated enclosing case of non-conducting acid-resisting material enclosing said grid and provided with a series of vertically-spaced horizontally-projecting ledges meeting from opposite sides between the conducting rods and forming enclosed pockets.

2,084,965
CARDBOARD BOX CONSTRUCTION
Elias Wolf, Melrose, Pa., assignor to National Metal Edge Box Company, Philadelphia, Pa., a partnership composed of Louis Wolf, Elias Wolf, Howard A. Wolf, and Walter L. Wolf
Application July 27, 1935, Serial No. 33,512
1 Claim. (Cl. 229—49)



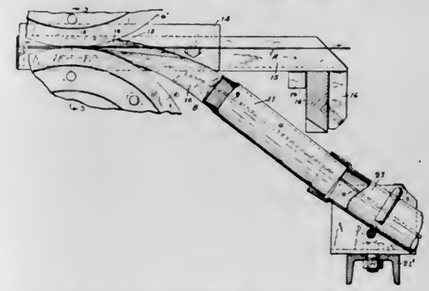
A polygonal cardboard box section formed of a cardboard blank having a central rectangular panel and four generally rectangular side panels integral therewith and extending from the respective sides thereof and having a width more or less approximately twice the height of the side walls of the box section, each of said side panels being folded back upon itself along a line parallel with the corresponding side of said central panel and at a distance therefrom more or less approximately one-half the width of such side panel;—said side panels being folded to a position at a right angle to the central panel, along the respective sides thereof, with the juxtaposed ends of adjacent two-ply side panels in generally abutting relation to each other; the inner longitudinal marginal zones only of said folded side-panel portions being adhesively secured to the juxtaposed portions of said side-panels, and a sheet-metal strip overlapping the abutting end zones of adjacent side panels and having prongs thereon extending into both adjacent layers of cardboard of each of said adjacent side panels, thereby forming the sole fastening connection between said adjacent two-ply side panels and forming an interconnection between the two adjacent layers of cardboard of each of said two-ply side panels along the end marginal zones thereof.

2,084,966
ELECTRIC HEATER
Philip E. Ashton, Meriden, Conn., assignor to The Cuno Engineering Corporation, Meriden, Conn., a corporation of Connecticut
Application March 25, 1936, Serial No. 70,779
23 Claims. (Cl. 219—32)



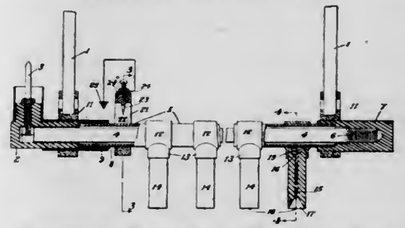
19. In a cigar lighter the combination with a stationary member, of a removable member, an igniter carried by one of said members, electric current contacts for each of the members, a switch carried by one of them in addition to said contacts, means for closing said switch on movement of the removable member from normal position with respect to the stationary member, means for returning the removable member to normal position, and a delay action means for opening the switch while the removable member is maintained in its normal position with its contacts engaged with those of the stationary member.

2,084,967
MECHANISM FOR CUTTING SHEET MATERIAL
Claude R. Babb, Lakewood, Ohio, assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio
Application January 20, 1936, Serial No. 59,848
11 Claims. (Cl. 164—10.6)



1. In a machine having a set of cutters for trimming the marginal edge of sheet material and means for feeding material thereto, a hollow member having its inner end disposed in operative relation to the cutters to receive the marginal edge of the material and provided with a wall disposed in the plane of one of the cutters, the terminating edge of said wall being disposed transversely of the cutter and arranged to deflect from the plane of the material the trimmed-off edge, and guide means for the trimmed-off edge.

2,084,968
NEUTRALIZING APPARATUS
William H. Chapman, Portland, Maine, assignor to Chapman Electric Neutralizer Company, Portland, Maine, a corporation of Maine
Application March 3, 1937, Serial No. 128,837
10 Claims. (Cl. 175—264)



1. In apparatus for controlling the static electricity of a moving sheet, an insulated conductor for connection with a source of high tension alternating current, a metallic member capacitatively connected to said conductor, a plurality of discharge points carried by said member, and means to ground said member, and said means including an air gap.

2,084,969
AIRSHIP
Franklin B. Clark, Washington, D. C.
Application June 26, 1933, Serial No. 677,711
Renewed May 15, 1936
11 Claims. (Cl. 244—30)

1. An airship of the lighter-than-air type having an elongated buoyant body with a blunt convexly curved nose and which is substantially

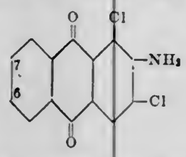
cylindrical from the nose rearward for a substantial portion of the length of the body, the lines from the nose rearward being horizontal over the



entire cylindrical portion of the body, those at the bottom being shortest and from the latter the body tapering upward and rearward to the stern.

2,084,970
HALOGENATED ANTHRAQUINONE COMPOUNDS
William Dettwyler, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 24, 1935, Serial No. 23,253
5 Claims. (Cl. 260—60)

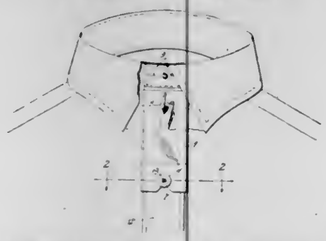
1. A compound of the formula



which contains an amino group in one of the positions 6 and 7 and in which both positions ortho to such amino group contain a chlorine atom.

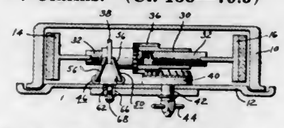
5. The process which comprises reacting beta, beta-diamino-anthraquinone, in which the amine groups are in opposite rings of the anthraquinone molecule, with chlorine while the anthraquinone compound is suspended in a hydrochloric acid solution of from 15 to 32% acid concentration, chlorination being effected in the presence of acetic acid.

2,084,971
DETACHABLE ADVERTISING DEVICE
Robert S. Ghiselin, Chicago, Ill., assignor to New Era Shirt Company, St. Louis, Mo., a corporation of Missouri
Application February 19, 1937, Serial No. 126,654
3 Claims. (Cl. 40—26)



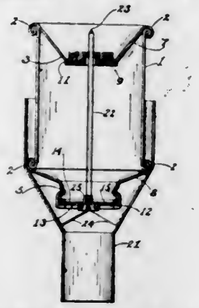
2. The combination with a shirt having overlapping marginal portions and a button for holding said portions together, of an advertising device comprising a sheet of paper or the like composed of an intermediate section extending between said marginal portions, an inner section hinged to the inner edge of said intermediate section and cooperating therewith to embrace the inner margin of the shirt between them, an outer section hinged to the outer edge of said intermediate section and cooperating therewith to embrace the outer margin of the shirt between them, and means on said outer section for engaging said button to support said device and hold said outer section flat against the outer surface of the margin along which it extends.

2,084,972
BRAKE
John Samuel Irving, Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application December 31, 1936, Serial No. 118,660
In Great Britain December 23, 1935
7 Claims. (Cl. 188—79.5)



1. In a brake, floating friction means, a support for the friction means, a stamping secured to the support, a U-shaped solid wire spring having portions of the sides of the U supported in said stamping and having other portions bent up to form arms engaging the friction means, and means integral with the stamping for holding the arms apart in predetermined spaced relationship.

2,084,973
RECEPTACLE FOR LIQUIDS
Robert John, New York, N. Y.
Application September 10, 1936, Serial No. 100,097
18 Claims. (Cl. 221—23)

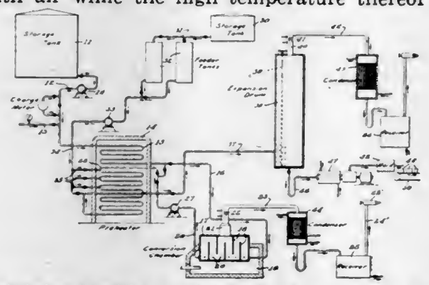


1. A receptacle for liquids and other pourable materials comprising side and end walls affixed to each other in stationary relationship, one of said walls having an aperture closed by a frangible sealing means secured interiorly of said receptacle, said receptacle having a second aperture of sufficient size to admit said sealing means therethrough whereby said sealing means can be attached from the interior of the receptacle, said second aperture being closed by a sealing means attached exteriorly of the receptacle.

2,084,974
GREASE MANUFACTURE
Gus Kaufman, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 15, 1935, Serial No. 26,716
1 Claim. (Cl. 87—9)

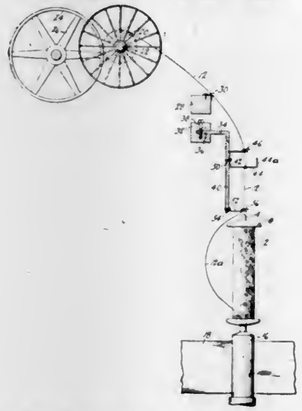
A continuous process for manufacturing grease which comprises flowing a mixture of mineral

oil and fatty oil through a heating coil wherein the mixture is heated to a high temperature above the melting point of the final product, introducing air into the heating coil so as to pass through the coil along with the mineral oil-fatty oil blend, discharging the mixture into an enlarged reaction zone where it is further blown with air while the high temperature thereof is



maintained until a predetermined increase in viscosity of the mineral oil-fatty oil blend occurs, then further flowing the mineral oil-fatty oil blend together with saponifying material through a heating coil wherein it is heated to a high temperature, finally flashing the heated material into an enlarged zone, withdrawing from the zone vapors evolved therein, and removing from the zone the desired final product.

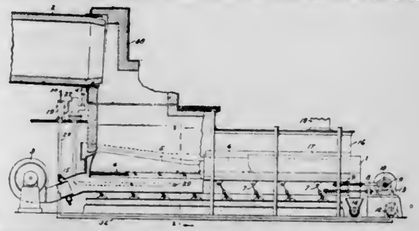
2,084,975
HARD TWIST SPINNING MACHINE
Jack Katz, Dover, N. J., assignor to Katz and Halter, Dover, N. J., a firm
Application March 1, 1935, Serial No. 8,833
8 Claims. (Cl. 117—26)



1. In a hard twist spinning machine, the combination with feed and winding bobbins of a thread tensioning device comprising a stationary tension bar of circular cross-section disposed generally transversely of the path of the thread in its travel from the feed bobbin to the winding bobbin, the thread making at least one complete turn around said bar.

2,084,976
SPEED CONTROLLER FOR CLINKER COOLERS
Bertram H. Puerner, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 30, 1933, Serial No. 687,456
16 Claims. (Cl. 34—38)

1. A clinker cooler comprising a grate arranged to progressively advance a bed of hot clinker, means arranged to force cooling air through the bed of clinker on the grate, and means responsive to the resistance of the bed of clinker to the flow



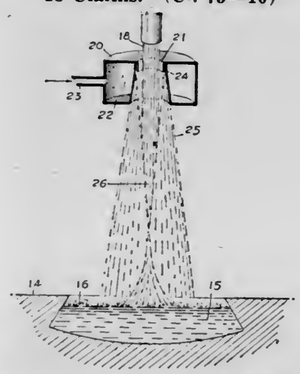
of cooling air and arranged to regulate the rate of advance of the clinker bed in accordance therewith to maintain it of substantially uniform depth.

2,084,977
MOTOR FUEL PRODUCTS
Thomas H. Rogers and Vanderveer Voorhees, Hammond, Ind., assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 26, 1937, Serial No. 133,187
2 Claims. (Cl. 44—9)

1. A motor fuel product comprising cracked hydrocarbon distillates of the character of gasoline which normally tend to deteriorate and develop gum, said product containing a small proportion of aminophenol wherein one amino hydrogen has been substituted by a butyl radical, in quantities sufficient to retard such gum formation.

2. The method of preserving cracked hydrocarbon distillates of the character of gasoline which normally tend to develop gum on storage, which comprise incorporating therein a small proportion of aminophenol wherein one amino hydrogen has been substituted by a butyl radical.

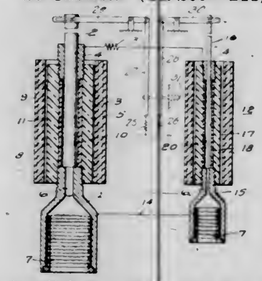
2,084,978
REFINING ALLOYS
Gilbert E. Seil, Cynwyd, Pa.
Application September 9, 1936, Serial No. 99,906
18 Claims. (Cl. 75—10)



1. In the process of metal refining which comprises forming a molten bath of metal to be refined, having therein an oxidizable impurity and thereon an oxidizing slag, supplying a metal therein to the slag in finely divided condition to permit the finely divided metal to dissolve an

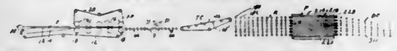
oxidizing reagent from the slag to an extent that addition of the metal to the slag causes migration of an oxidizing agent into the dispersed molten metal in the slag, causing the dispersed metal to enter the molten bath from the slag whereby an effect is realized by which a quantity of oxidizing reagent is transferred from the slag to the metal bath whereby the oxidizable impurity of the bath is oxidized and departs therefrom into the slag or atmosphere, and finally recovering the refined metal.

2,084,979
CIRCUIT INTERRUPTER
Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application January 27, 1930, Serial No. 423,660
Renewed April 2, 1935
26 Claims. (Cl. 200—144)



1. In a circuit interrupter, an arc extinguishing structure having walls defining a chamber, said walls being fixedly mounted during the extinguishing of the arc and being of a material which, when acted upon by the arc, gives off gas to extinguish the arc, and arc drawing means movable within said chamber, the cross-sectional area of said arc drawing means being substantially the same as the cross-sectional area of said chamber, said walls of the chamber extending along the path of the arc for substantially the whole length thereof, and said chamber being open during the extinguishing of the arc at the end away from which said arc drawing member moves to cause the gas to flow through said chamber and out the end thereof.

2,084,980
MATBOARD HANDLING MACHINE
Orland Russell Sweeney, Ames, Iowa, assignor to State of Iowa for benefit of Iowa State College of Agriculture and Mechanical Arts
Application December 31, 1934, Serial No. 760,059
30 Claims. (Cl. 92—39)



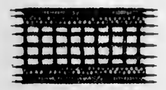
1. In a mat board handling machine, a loading rack having a plurality of spaced conveyors, a press having a plurality of spaced, consecutively opening platens and a conveyor for each platen, means for loading a mat board on each conveyor of said loading rack, means operable by each platen of the press when opening to actuate a loading rack conveyor and a press conveyor whereby the conveyors of the loading rack and of the press are unloaded consecutively and means associated with each conveyor to stop the same when a mat board has been loaded thereon.

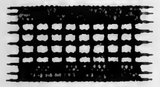
5. In a mat board handling machine, a loading rack having a plurality of spaced conveyors, a press having a plurality of spaced, successively opening platens and a conveyor for each platen, the conveyors of said loading rack and said press being in registry with each other when the press is open, means for loading mat boards on said conveyors of said loading rack, said last means including a mat cut-off knife, a table, a tipping conveyor swingable to register with the various conveyors of said loading rack and means for temporarily speeding up said tipping conveyor after a board has been cut from a mat which is fed to said table.

DESIGNS

JUNE 22, 1937

104,985
DESIGN FOR AN ELASTIC FABRIC
Harry Aull, Philadelphia, Pa., assignor, by mesne assignments, to Friedberger-Aaron Mfg. Co., Philadelphia, Pa., a corporation of Pennsylvania
Application March 16, 1937, Serial No. 68,192
Term of patent 3½ years

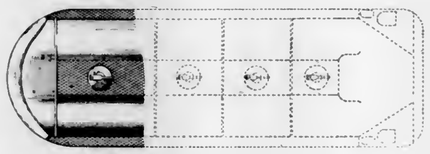




The ornamental design for an elastic fabric as shown and described.

104,986
DESIGN FOR A TRAILER TANK
Ralph A. Bradley, Minneapolis, Minn., assignor to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application April 11, 1935, Serial No. 56,330
Term of patent 14 years





The ornamental design for a trailer tank substantially as shown and described.

104,987
DESIGN FOR A TEXTILE FABRIC
Jonathan W. Brooks, Philadelphia, Pa.
Application May 12, 1937, Serial No. 69,307
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

104,988
DESIGN FOR A TEXTILE FABRIC
Jonathan W. Brooks, Philadelphia, Pa.
Application May 12, 1937, Serial No. 69,308
Term of patent 3½ years



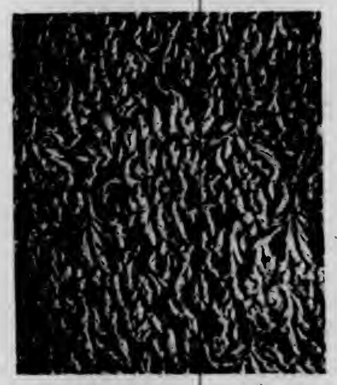
The ornamental design for a textile fabric substantially as shown.

104,989
DESIGN FOR A TEXTILE FABRIC
Jonathan W. Brooks, Philadelphia, Pa.
Application May 12, 1937, Serial No. 69,309
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

104,990
DESIGN FOR A TEXTILE FABRIC
Jonathan W. Brooks, Philadelphia, Pa.
Application May 12, 1937, Serial No. 69,310
Term of patent 3½ years



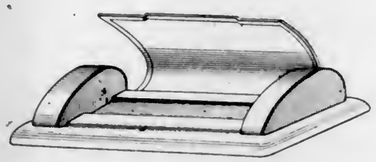
The ornamental design for a textile fabric substantially as shown.

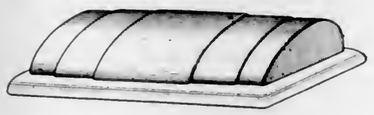
104,991
DESIGN FOR AN INTERCHANGEABLE RUBBER HEEL
Howard Cairns, San Francisco, Calif.
Application November 9, 1936, Serial No. 65,808
Term of patent 3½ years



The ornamental design for an interchangeable rubber heel substantially as shown.

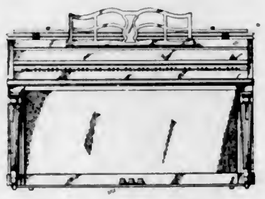
104,992
DESIGN FOR A RECEPTACLE FOR PENS, PENCILS, OR OTHER ARTICLES
Mildred K. Cook, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application April 22, 1937, Serial No. 68,929
Term of patent 7 years





The ornamental design for a receptacle for pens, pencils, or other articles as shown.

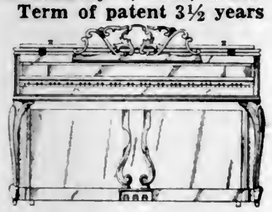
104,993
DESIGN FOR A PIANO CASE
Wilbur M. Day, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application January 6, 1937, Serial No. 66,912
Term of patent 3½ years





The ornamental design for a piano case, as shown.

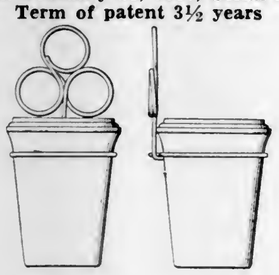
104,994
DESIGN FOR A PIANO CASE
Wilbur M. Day, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application January 7, 1937, Serial No. 66,938
Term of patent 3½ years





The ornamental design for a piano case, as shown.

104,995
DESIGN FOR A COMBINED FLOWERPOT AND SUPPORT
Frank Lee Devereux, Jacksonville, Tex.
Application February 23, 1937, Serial No. 67,815
Term of patent 3½ years





The ornamental design for a combined flower pot and support as shown.

104,996
DESIGN FOR A SHOE
Ross N. Donohoe, Portsmouth, Ohio
Application May 19, 1937, Serial No. 69,411
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

104,997
DESIGN FOR A SHOE
Ross N. Donohoe, Portsmouth, Ohio
Application May 19, 1937, Serial No. 69,412
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

104,998
DESIGN FOR A SHOE
Ross N. Donohoe, Portsmouth, Ohio
Application May 19, 1937, Serial No. 69,414
Term of patent 3½ years







The ornamental design for a shoe substantially as shown.

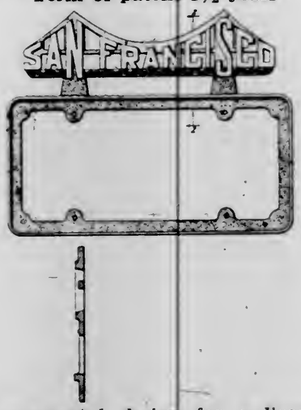
104,999
DESIGN FOR A SHOE
Ross N. Donohoe, Portsmouth, Ohio
Application May 19, 1937, Serial No. 69,415
Term of patent 3½ years





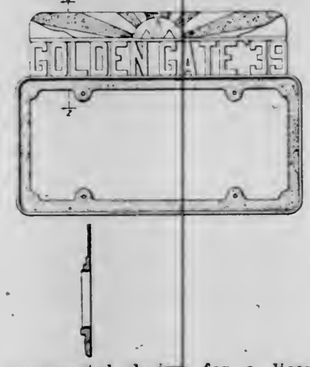
The ornamental design for a shoe substantially as shown.

105,000
DESIGN FOR A LICENSE PLATE HOLDER
Robert F. Duryea, Palo Alto, Calif.
Application November 16, 1936, Serial No. 65,939
Term of patent 3½ years



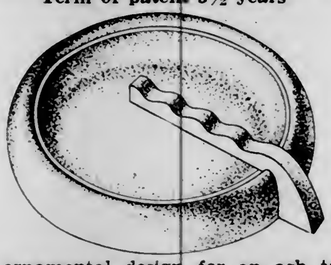
The ornamental design for a license plate holder, as shown.

105,001
DESIGN FOR A LICENSE PLATE HOLDER
Robert F. Duryea, Palo Alto, Calif.
Application November 16, 1936, Serial No. 65,940
Term of patent 3½ years



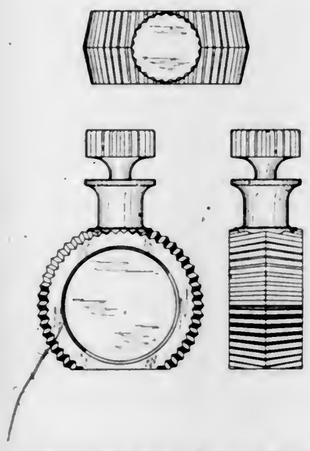
The ornamental design for a license plate holder, as shown.

105,002
DESIGN FOR AN ASHTRAY
James F. Eppenstein, Chicago, Ill.
Application April 30, 1937, Serial No. 69,078
Term of patent 3½ years



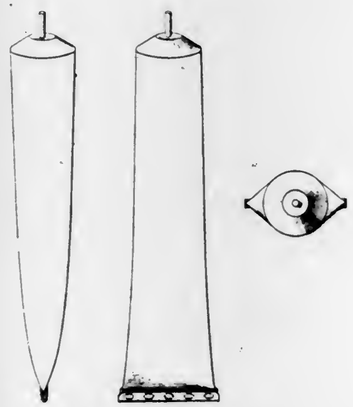
The ornamental design for an ash tray, as shown.

105,003
DESIGN FOR A DECANTER OR SIMILAR ARTICLE
Sam W. Fisher, Paden City, W. Va., assignor to Paden City Glass Mfg. Company, Paden City, W. Va., a corporation of West Virginia
Application April 28, 1937, Serial No. 69,009
Term of patent 3½ years



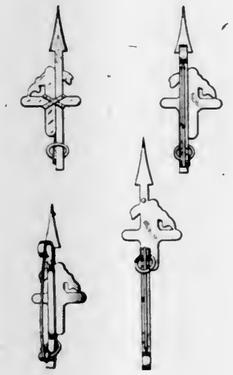
The ornamental design for a decanter or similar article, substantially as shown.

105,004
DESIGN FOR A COLLAPSIBLE CONTAINER
John H. Fridén, Maplewood, N. J., assignor to The Sun Tube Corporation, Hillside N. J., a corporation of New Jersey
Application May 16, 1936, Serial No. 62,676
Term of patent 14 years



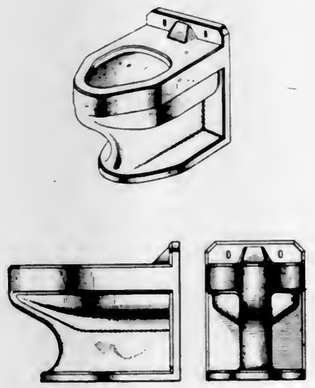
The ornamental design for a collapsible container, as shown and described.

105,005
DESIGN FOR A BROOCH
James McIntosh Grigor, Inverness, Scotland
Application March 29, 1937, Serial No. 68,465
In Great Britain February 10, 1937
Term of patent 14 years



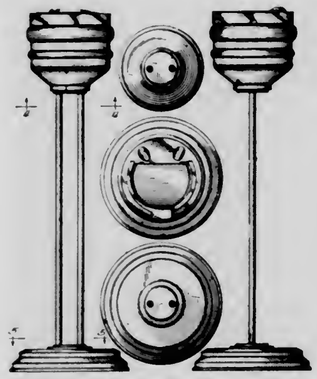
The ornamental design for a brooch, as shown.

105,006
DESIGN FOR A DEFECATOR
William C. Groeniger, Columbus, Ohio
Application January 5, 1937, Serial No. 66,908
Term of patent 14 years



The ornamental design for a defecator, as shown.

105,007
DESIGN FOR A SMOKING STAND
Albert C. Grunwald, River Forest, Ill., assignor to Precision Metal Workers, Chicago, Ill., a corporation of Illinois
Application April 21, 1937, Serial No. 68,903
Term of patent 7 years



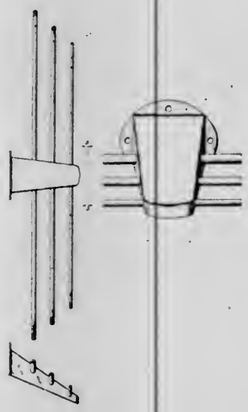
The ornamental design for a smoking stand, as shown.

105,008
DESIGN FOR A SANDAL
Max Gustin, New York, N. Y.
Application June 5, 1936, Serial No. 63,042
Term of patent 3½ years



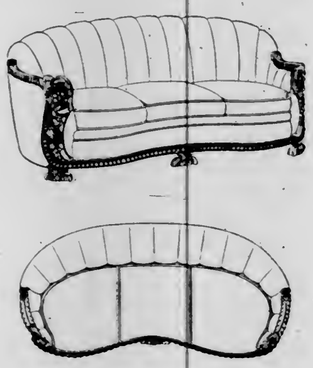
The ornamental design for a sandal, substantially as shown and described.

105,009
DESIGN FOR A TOWEL RACK
Bertis F. Hamilton, Columbus, Ind.
Application October 5, 1936, Serial No. 65,164
Term of patent 3½ years



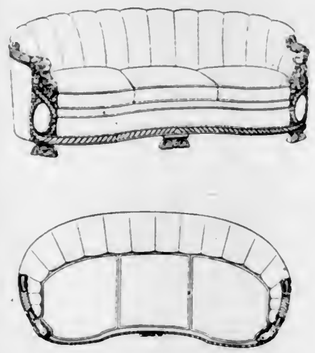
The ornamental design for a towel rack, as shown.

105,010
DESIGN FOR A SOFA OR SIMILAR ARTICLE
Harold H. Hines and George McKeown, Chicago, Ill., assignors to Pullman Couch Company, Chicago, Ill., a corporation of Illinois
Application May 22, 1937, Serial No. 69,481
Term of patent 3½ years



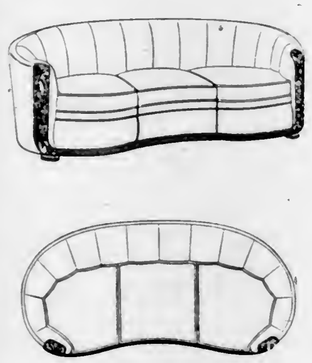
The ornamental design for a sofa or similar article as shown.

105,011
DESIGN FOR A SOFA OR SIMILAR ARTICLE
Harold H. Hines and George McKeown, Chicago, Ill., assignors to Pullman Couch Company, Chicago, Ill., a corporation of Illinois
Application May 22, 1937, Serial No. 69,483
Term of patent 3½ years



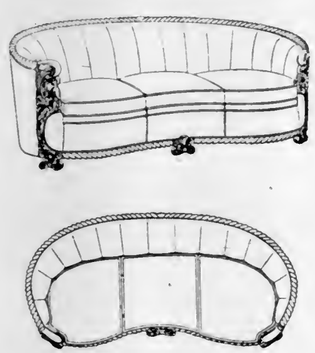
The ornamental design for a sofa or similar article, as shown.

105,012
DESIGN FOR A SOFA OR SIMILAR ARTICLE
Harold H. Hines and George McKeown, Chicago, Ill., assignors to Pullman Couch Company, Chicago, Ill., a corporation of Illinois
Application May 22, 1937, Serial No. 69,485
Term of patent 3½ years



The ornamental design for a sofa or similar article as shown.

105,013
DESIGN FOR A SOFA OR SIMILAR ARTICLE
Harold H. Hines and George McKeown, Chicago, Ill., assignors to Pullman Couch Company, Chicago, Ill., a corporation of Illinois
Application May 22, 1937, Serial No. 69,487
Term of patent 3½ years



The ornamental design for a sofa or similar article as shown.

105,014
DESIGN FOR A TEXTILE FABRIC
John H. Huelat, New York, N. Y.
Application May 12, 1937, Serial No. 69,311
Term of patent 3½ years



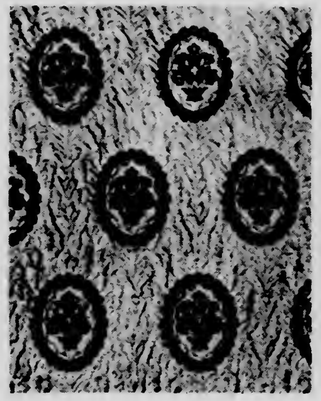
The ornamental design for a textile fabric substantially as shown.

105,015
DESIGN FOR A TEXTILE FABRIC
John H. Huelat, New York, N. Y.
Application May 12, 1937, Serial No. 69,312
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

105,016
DESIGN FOR A TEXTILE FABRIC
John H. Huelat, New York, N. Y.
Application May 12, 1937, Serial No. 69,313
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

105,017
DESIGN FOR A TEXTILE FABRIC
John H. Huelat, New York, N. Y.
Application May 12, 1937, Serial No. 69,314
Term of patent 3½ years



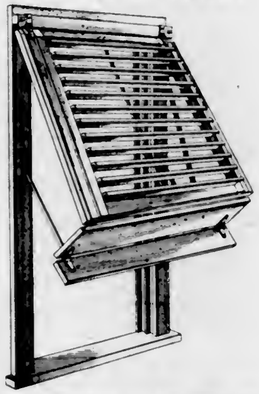
The ornamental design for a textile fabric substantially as shown.

105,018
DESIGN FOR A DRESS
Concetta Jaccarino, New York, N. Y.
Application April 5, 1937, Serial No. 68,552
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

105,019
DESIGN FOR VENTILATED AWNING SHUTTER
Sidney A. Jones, Fort Lauderdale, Fla., assignor, by mesne assignments, to W. N. Alley, Incorporated, Wilmington, Del., a corporation of Delaware
Application June 17, 1936, Serial No. 63,350
Term of patent 14 years



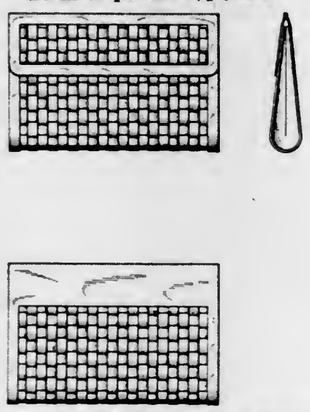
The ornamental design for ventilated awning shutter substantially as shown and described.

105,020
DESIGN FOR A RING OR SIMILAR ARTICLE OF JEWELRY
Felix P. Kinsley, St. Louis, Mo.
Application April 12, 1937, Serial No. 68,685
Term of patent 14 years



The ornamental design for a ring or similar article of jewelry as shown and described.

105,021
DESIGN FOR A HANDBAG
Aaron Landis, Elizabeth, N. J.
Application April 22, 1937, Serial No. 68,924
Term of patent 3½ years



The ornamental design for a handbag substantially as shown and described.

105,022
DESIGN FOR A FOUNTAIN PEN
Gabriel Larsen, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y., a corporation of New York
Application November 13, 1936, Serial No. 65,887
Term of patent 14 years



The ornamental design for a fountain pen substantially as shown and described.

105,023
DESIGN FOR A BOTTLE
Frank McLaughlin, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application January 16, 1937, Serial No. 67,100
Term of patent 14 years



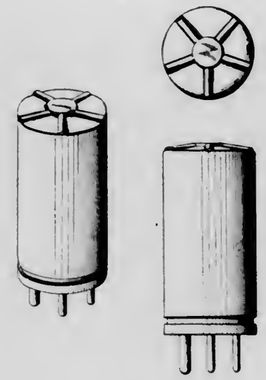
The ornamental design for a bottle, as shown.

105,024
DESIGN FOR A BOTTLE
Charles Davis Little, Chattanooga, Tenn., assignor to Seminole Flavor Company, Chattanooga, Tenn., a corporation of Tennessee
Application December 19, 1936, Serial No. 66,640
Term of patent 14 years



The ornamental design for a bottle, substantially as shown and described.

105,025
DESIGN FOR AN ELECTRIC VIBRATORY INTERRUPTER DEVICE
William A. McNaught, Chicago, Ill., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application March 17, 1937, Serial No. 68,235
Term of patent 14 years



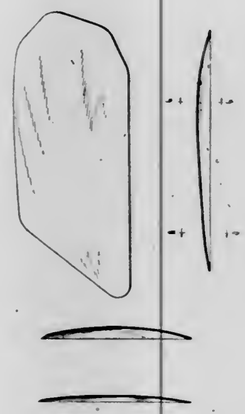
The ornamental design for an electric vibratory interrupter device, substantially as shown and described.

105,026
DESIGN FOR A BOTTLE OR SIMILAR CONTAINER
Rollin A. Mills, Zanesville, Ohio, assignor to Maison Joubert, Inc., New York, N. Y., a corporation of New York
Application May 5, 1937, Serial No. 69,174
Term of patent 14 years



The ornamental design for a bottle or similar container as shown.

105,027
DESIGN FOR A TRANSPARENT CONVEX GLASS FOR PICTURE FRAMES
Harry J. Moravek, St. Louis, Mo.
Application January 28, 1935, Serial No. 55,110
Term of patent 14 years



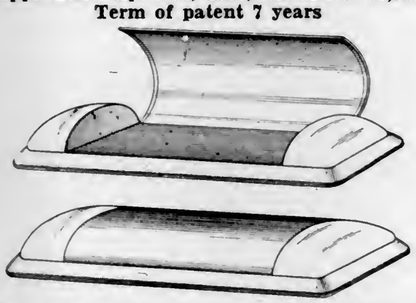
The ornamental design for a transparent convex glass for picture frames substantially as shown and described.

105,028
DESIGN FOR A SHOE
Hans H. C. Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application May 20, 1937, Serial No. 69,441
Term of patent 3½ years



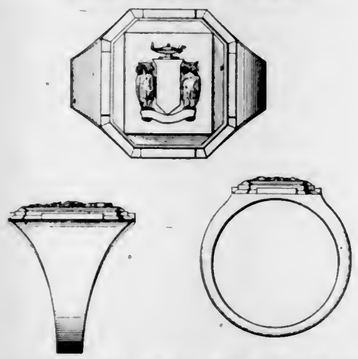
The ornamental design for a shoe, substantially as shown.

105,029
DESIGN FOR A RECEPTACLE FOR PENS, PENCILS, OR OTHER ARTICLES
Joseph Edward Olson, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application April 22, 1937, Serial No. 68,928
Term of patent 7 years



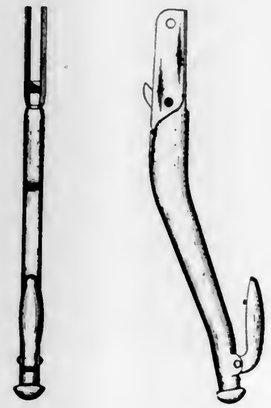
The ornamental design for a receptacle for pens, pencils, or other articles, as shown.

105,030
DESIGN FOR A FINGER RING
Lucien Ribera, New York, N. Y.
Application December 2, 1936, Serial No. 66,245
Term of patent 7 years



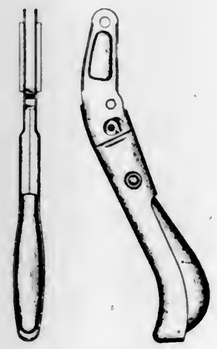
The ornamental design for a finger ring, as shown.

105,031
DESIGN FOR A BRAKE LEVER OR SIMILAR ARTICLE
Ray A. Sandberg, Waukegan, Ill., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan
Application April 17, 1937, Serial No. 68,840
Term of patent 7 years



The ornamental design for a brake lever or similar article as shown.

105,032
DESIGN FOR A BRAKE LEVER OR SIMILAR ARTICLE
Ray A. Sandberg and Charles Robert Duncan, Waukegan, Ill., assignors to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan
Application April 17, 1937, Serial No. 68,841
Term of patent 7 years



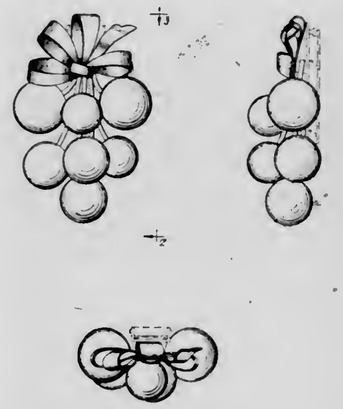
The ornamental design for a brake lever or similar article as shown.

105,033
DESIGN FOR A TEXTILE FABRIC
John W. Snowden, Philadelphia, Pa.
Application May 8, 1937, Serial No. 69,235
Term of patent 3½ years



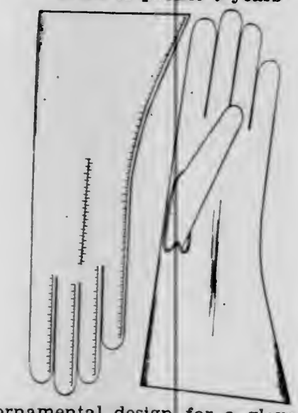
The ornamental design for a textile fabric substantially as shown.

105,034
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
Ernest Steiner, New York, N. Y.
Application March 22, 1937, Serial No. 68,315
Term of patent 7 years



The ornamental design for a brooch pin or similar article as shown and described.

105,035
DESIGN FOR A GLOVE
Sylvan M. Straus, Gloversville, N. Y.
Application March 16, 1937, Serial No. 68,188
Term of patent 7 years



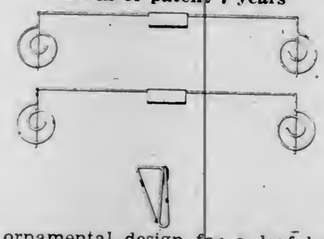
The ornamental design for a glove, substantially as shown, and described.

105,036
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Francis Tausend, New York, N. Y.
Application May 17, 1937, Serial No. 69,390
Term of patent 3½ years



The ornamental design for a tablecloth or similar article substantially as shown and described.

105,037
DESIGN FOR A LEAF HOLDER
Richard Taylor, Chicago, Ill.
Application September 1, 1936, Serial No. 64,679
Term of patent 7 years



The ornamental design for a leaf holder, as shown.

105,038
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application May 8, 1937, Serial No. 69,233
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

105,039
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application May 8, 1937, Serial No. 69,234
Term of patent 3½ years



The ornamental design for a textile fabric as shown and described.

105,040
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application May 17, 1937, Serial No. 69,376
Term of patent 3½ years



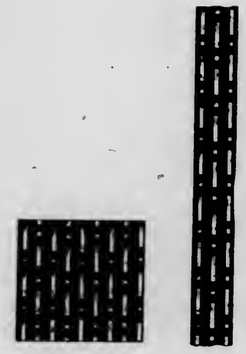
The ornamental design for a textile fabric, as shown.

105,041
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application May 17, 1937, Serial No. 69,377
Term of patent 3½ years



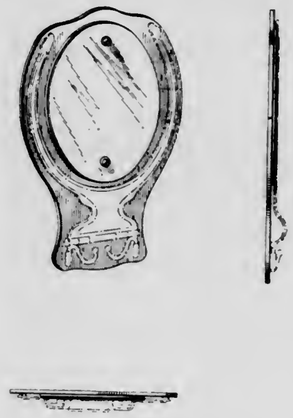
The ornamental design for a textile fabric, as shown.

105,042
DESIGN FOR A PLASTIC SHEET OR SIMILAR ARTICLE
Edmund H. Tyson, Caldwell, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 15, 1936, Serial No. 63,861
Term of patent 7 years



The ornamental design for a plastic sheet or similar article, substantially as shown and described.

105,043
DESIGN FOR A COMBINED MIRROR AND HAT RACK MOUNTING
John C. Van Aken, Ridgway, Pa.
Application May 8, 1937, Serial No. 69,247
Term of patent 7 years



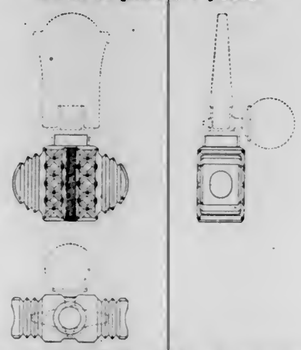
The ornamental design for a combined mirror and hat rack mounting, as shown and described.

105,044
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio
Application May 12, 1937, Serial No. 69,304
Term of patent 7 years



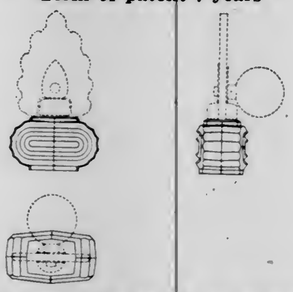
The ornamental design for an atomizer, substantially as shown and described.

105,045
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio
Application May 12, 1937, Serial No. 69,305
Term of patent 7 years



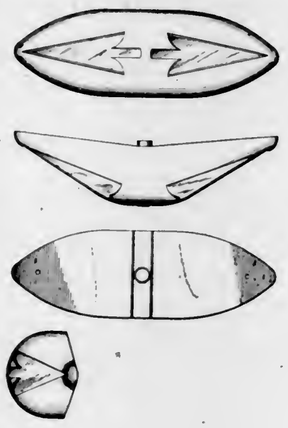
The ornamental design for an atomizer, substantially as shown and described.

105,046
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio
Application May 12, 1937, Serial No. 69,306
Term of patent 7 years



The ornamental design for an atomizer, substantially as shown and described.

105,047
DESIGN FOR AN AUTOMOBILE LIGHT SIGNAL
Byron E. White, Brattleboro, Vt.
Application April 16, 1937, Serial No. 68,822
Term of patent 14 years



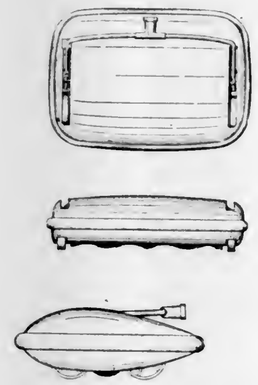
The ornamental design for an automobile light signal, as shown.

105,048
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application May 17, 1937, Serial No. 69,378
Term of patent 3½ years



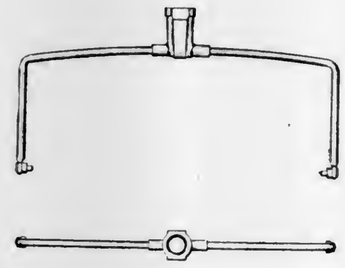
The ornamental design for a textile fabric as shown.

105,049
DESIGN FOR A CARPET SWEEPER
Findley Williams, Park Ridge, Ill., assignor to Bissell Carpet Sweeper Co., Grand Rapids, Mich.
Application April 15, 1937, Serial No. 68,793
Term of patent 14 years



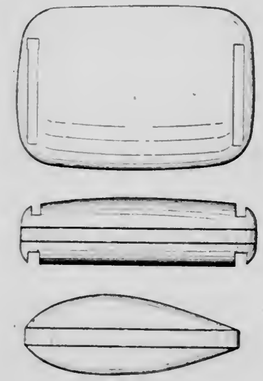
The ornamental design for a carpet sweeper, as shown and described.

105,050
DESIGN FOR A CARPET SWEEPER BAIL
Findley Williams, Park Ridge, Ill., assignor to Bissell Carpet Sweeper Co., Grand Rapids, Mich.
Application May 13, 1937, Serial No. 69,336
Term of patent 14 years



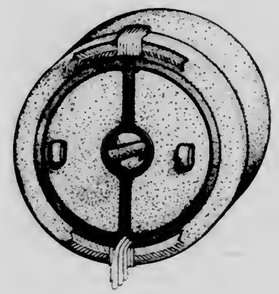
The ornamental design for a carpet sweeper bail, substantially as shown and described.

105,051
DESIGN FOR A CARPET SWEEPER SHELL
Findley Williams, Park Ridge, Ill., assignor to Bissell Carpet Sweeper Co., Grand Rapids, Mich.
Application May 13, 1937, Serial No. 69,337
Term of patent 14 years



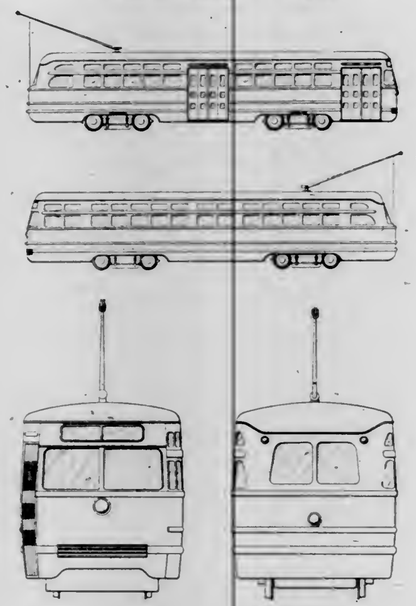
The ornamental design for a carpet sweeper shell, as shown and described.

105,052
DESIGN FOR A CAR HEATER SHELL OR SIMILAR ARTICLE
Fred M. Young, Racine, Wis.
Application November 7, 1936, Serial No. 65,778
Term of patent 7 years



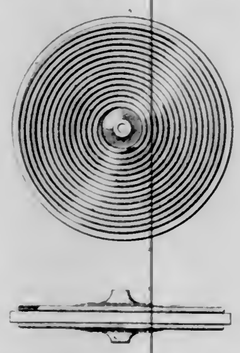
The ornamental design for a car heater shell or similar article, as shown.

105,053
DESIGN FOR A RAIL VEHICLE
Robert J. Burrows and Alfred O. Williams, Battle Creek, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application October 2, 1936, Serial No. 65,135
Term of patent 14 years



The ornamental design for a rail vehicle, as shown.

105,054
DESIGN FOR A WHEEL FOR ARTICLES OF CANE OR RATTAN FURNITURE OR THE LIKE
Robert L. Ficks, Cincinnati, Ohio, assignor to The Ficks-Reed Company, Cincinnati, Ohio, a corporation of Ohio
Application April 21, 1937, Serial No. 68,915
Term of patent 7 years



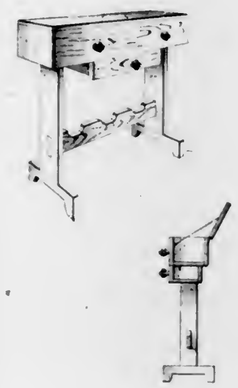
The ornamental design for a wheel for articles of cane or rattan furniture or the like substantially as shown.

105,055
DESIGN FOR A TEXTILE FABRIC
Eugene Irving Hanson, New York, N. Y.
Application October 10, 1936, Serial No. 65,233
Term of patent 3½ years



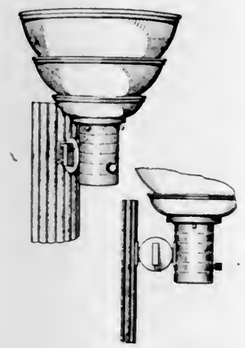
The ornamental design for a textile fabric substantially as shown and described.

105,056
DESIGN FOR A SEWING CABINET
Frank W. Hartner, Ashtabula, Ohio
Application October 28, 1936, Serial No. 65,547
Term of patent 7 years



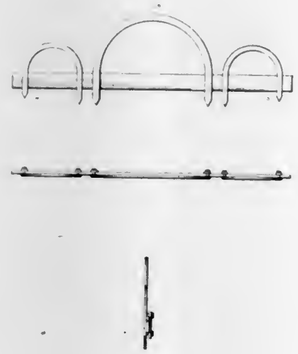
The ornamental design for a sewing cabinet, as shown.

105,057
DESIGN FOR A WALL BRACKET LAMP
Edward Kanter, Cleveland Heights, Ohio, assignor to Railley Corporation, a corporation of Ohio
Application October 21, 1936, Serial No. 65,402
Term of patent 7 years



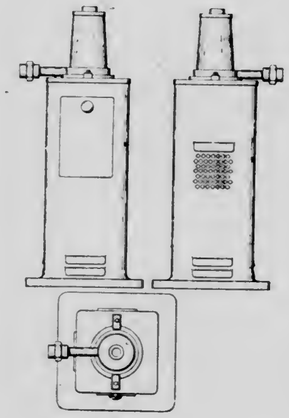
The ornamental design for a wall bracket lamp substantially as shown.

105,058
DESIGN FOR AN AUTOMOBILE BUMPER
Dominick Laino, Springfield, Mass.
Application March 30, 1937, Serial No. 68,490
Term of patent 7 years



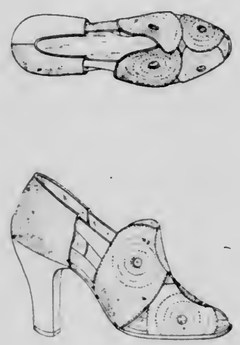
The ornamental design for an automobile bumper or similar article, substantially as shown and described.

105,059
DESIGN FOR AN EMULSIFIER
Oscar F. Neitzke, Belmont, Mass., assignor to Bennett Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application May 1, 1937, Serial No. 69,103
Term of patent 14 years



The ornamental design for an emulsifier substantially as shown.

105,060
DESIGN FOR A SHOE
Hans H. C. Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application May 20, 1937, Serial No. 69,442
Term of patent 3½ years



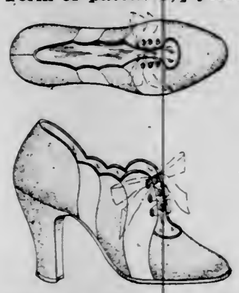
The ornamental design for a shoe, substantially as shown.

105,061
DESIGN FOR A SHOE
Hans H. C. Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application May 20, 1937, Serial No. 69,443
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

105,062
DESIGN FOR A SHOE
Hans H. C. Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application May 20, 1937, Serial No. 69,444
Term of patent 3½ years



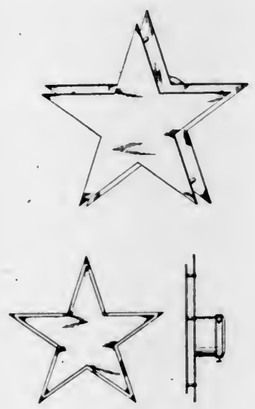
The ornamental design for a shoe, substantially as shown.

105,063
DESIGN FOR A SHOE
Hans H. C. Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application May 20, 1937, Serial No. 69,446
Term of patent 3½ years



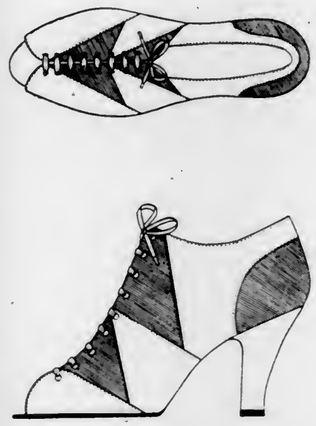
The ornamental design for a shoe, substantially as shown.

105,064
DESIGN FOR AN ELECTRICAL ORNAMENT
Anton Pfau, Portland, Oreg., assignor of one-half to Thomas G. Rosson, Portland, Oreg.
Application October 24, 1936, Serial No. 65,486
Term of patent 7 years



The ornamental design for an electrical ornament as shown.

105,065
DESIGN FOR A SHOE
Joseph Starr, New York, N. Y.
Application May 21, 1937, Serial No. 69,460
Term of patent 3½ years



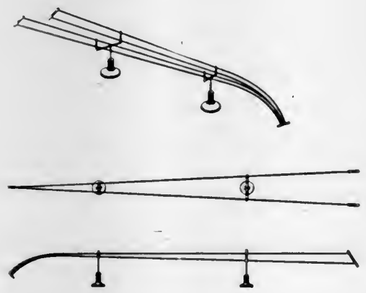
The ornamental design for a shoe, substantially as shown.

105,066
DESIGN FOR A SHOE
John Timpanelli, New York, N. Y.
Application May 22, 1937, Serial No. 69,480
Term of patent 3½ years



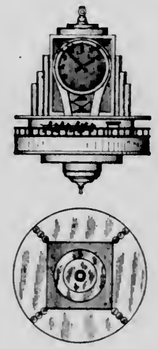
The ornamental design for a shoe, substantially as shown.

105,067
DESIGN FOR A RADIO ANTENNA FOR VEHICLES
Lee Roy L. Williams, Minneapolis, Minn.
Application April 26, 1937, Serial No. 68,973
Term of patent 7 years



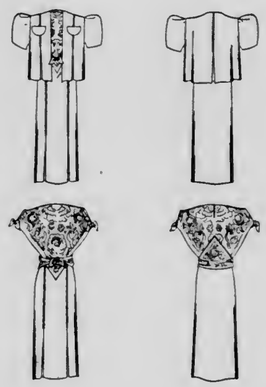
The ornamental design for a radio antenna for vehicles, substantially as shown.

105,068
DESIGN FOR A CLOCK CASE
William Brown Cleland, Toronto, Ontario, Canada, assignor to Joseph E. Seagram & Sons, Limited, a company of Canada
Application May 13, 1937, Serial No. 69,344
Term of patent 14 years



The ornamental design for a clock case, as shown and described.

105,069
DESIGN FOR A DRESS ENSEMBLE
Tora Coleman, New York, N. Y.
Application May 19, 1937, Serial No. 69,410
Term of patent 3½ years



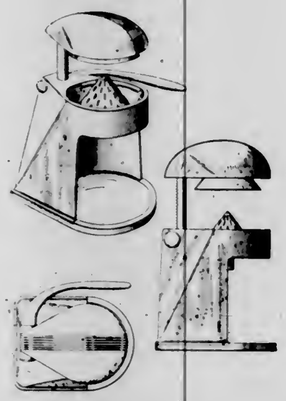
The ornamental design for a dress ensemble substantially as shown.

105,070
DESIGN FOR A DRESS
Joseph Galbo, New York, N. Y.
Application May 19, 1937, Serial No. 69,408
Term of patent 3½ years



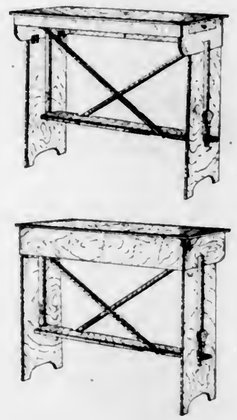
The ornamental design for a dress substantially as shown.

105,071
DESIGN FOR A FRUIT JUICE EXTRACTOR
Thomas L. Hand, Cincinnati, Ohio, assignor to Foster L. Talge, Kansas City, Mo., doing business under the name and style of Rival Manufacturing Company
Application April 30, 1937, Serial No. 69,069
Term of patent 14 years



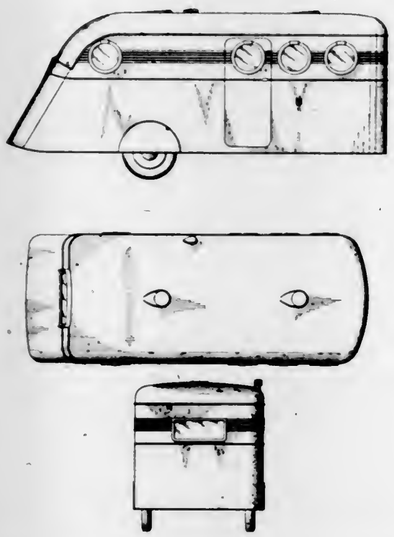
The ornamental design for a fruit juice extractor, substantially as shown.

105,072
DESIGN FOR A TYPEWRITER DESK
Edgar F. Johnstone, Jr., Overbrook, Pa.
Application May 11, 1937, Serial No. 69,291
Term of patent 14 years



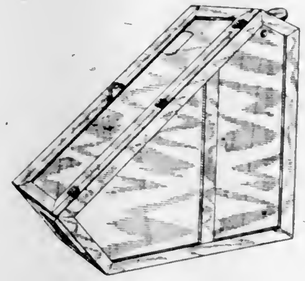
The ornamental design for a typewriter desk, as shown.

105,073
DESIGN FOR A TRAILER
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application May 10, 1937, Serial No. 69,275
Term of patent 3½ years



The ornamental design for a trailer, as shown and described.

105,074
DESIGN FOR AN ELECTROTHERMO BATH CABINET
Ira M. Petersime, Gettysburg, Ohio, assignor to The Petersime Incubator Company, Gettysburg, Ohio, a corporation of Ohio
Application September 22, 1936, Serial No. 64,960
Term of patent 7 years



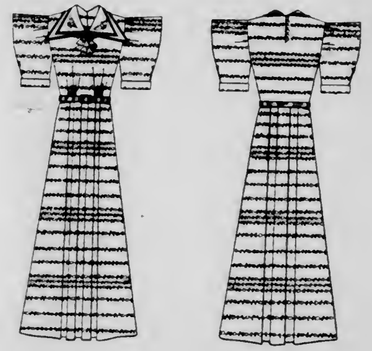
The ornamental design for an electro-thermo bath cabinet substantially as shown and described.

105,075
DESIGN FOR A COMBINED RAINCOAT AND HOOD
Harvey B. Richards, Lake Bluff, Ill., assignor to Richards, Boggs and King, Inc., Chicago, Ill., a corporation of Illinois
Application February 23, 1937, Serial No. 67,795
Term of patent 7 years



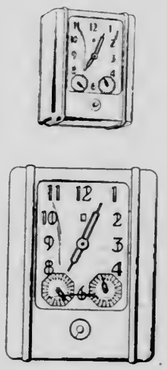
The ornamental design for a combined raincoat and hood, substantially as shown and described.

105,076
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application May 5, 1937, Serial No. 69,169
Term of patent 3½ years



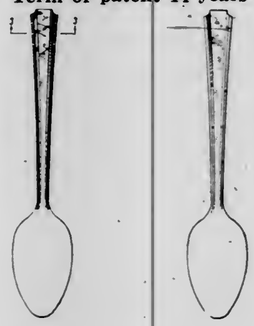
The ornamental design for a dress, substantially as shown and described.

105,077
DESIGN FOR A CONTROL CLOCK
Burton E. Shaw, Adel, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application November 10, 1936, Serial No. 65,831
Term of patent 3½ years



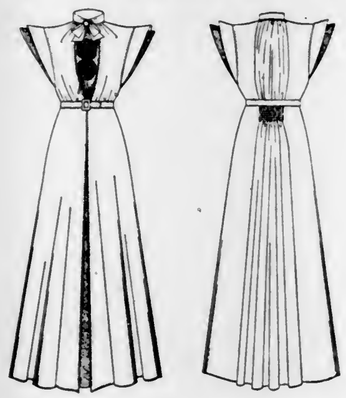
The ornamental design for a control clock as shown.

105,078
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William S. Warren, Meriden, Conn., assignor to L. & C. Mayers Company, New York, N. Y., a corporation of New York
Application April 19, 1937, Serial No. 68,855
Term of patent 14 years



The ornamental design for a spoon or other article of flatware substantially as shown.

105,079
DESIGN FOR A DRESS
Jack Young, New York, N. Y.
Application May 22, 1937, Serial No. 69,478
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

Patents Nos. 2,084,981 to 2,085,721

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June 29, 1937

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Adjudicated Patents

(C. C. A. Md.) Winkler and Dunnebier patent, No. 1,396,906, for envelope roller folding-machine in combination with a closing-flap-gumming machine, claim 2 *Held* valid and infringed. *Oles Envelope Corporation* v. *Baltimore Paper Co.*, 89 F.(2d) 279.

(C. C. A. Ill.) Cotton patent, No. 1,436,794, for fuel feeder for grates, *Held* invalid and not infringed. *Ladenson* v. *Overspred Stoker Co.*, 89 F.(2d) 242.

(D. C. Mass.) Stickel patent, No. 1,542,014, for method and device for crimping eyelashes, claim 13 *Held* valid but not infringed. *Kurlash Co.* v. *Marvelash Co.*, 18 F. Supp. 755.

(D. C. Mass.) Stickel and McDonell patent, No. 1,699,084, for eyelash curler, claims 1 and 2 *Held* valid and infringed. *Id.*

(C. C. A. Md.) Maibohm patent, No. 1,930,980, for variable electrical resistor and switch, claims 5 to 8 *Held* invalid. *Maibohm* v. *RCA Victor Co.*, 89 F.(2d) 317.

(C. C. A. Pa.) Logan patent, No. 2,018,182, for drumhead, *Held* valid and infringed. *Hammond* v. *Drumhead Co. of America*, 89 F.(2d) 241.

(D. C. Pa.) Logan patent, No. 2,018,182, for drumhead, claims 9 and 11 to 19 *Held* valid and infringed. *Drumhead Co. of America* v. *Hammond*, 18 F. Supp. 734.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,898,673, J. F. Littooy, Spreader for spray compositions, decided June 4, 1937, claims 1, 2, and 3.

Pat. 1,922,282, H. J. J. M. De R. De Bellescize, Signal receiving system, decided April 21, 1937, claims 1 and 3.

Pat. 2,001,189, H. A. Fletcher, Controllable pitch propeller, decided June 7, 1937, claims 11 and 12.

Pat. 2,033,004, B. C. Phillips, Intake control for internal combustion engines, decided June 7, 1937, claims 1, 2, and 5.

Pat. 2,039,101, E. D. McArthur, Electric discharge device and control apparatus therefor, decided May 15, 1937, claims 1, 8, 9, 10, and 11.

Pat. 2,039,102, E. D. McArthur, Control system for gaseous discharge devices, decided May 15, 1937, claim 13.

Pat. 2,039,931, C. A. Riggs, Hosiery, decided June 10, 1937, claims 1, 2, 3, 6, 7, and 8.

Pat. 2,039,932, C. A. Riggs, Method of making hosiery, decided June 10, 1937, claim 1.

Pat. 2,044,455, Ernst Witzel, Distributing head for evaporators, decided June 5, 1937, claim 2.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., June 7, 1937.*

Kool Products Corporation, its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Alfred Kohlberg, Inc., 1 West 37th Street, New York, N. Y., to effect the cancellation of trade-mark registration of Kool Products Corporation, 133 Fifth Street, Miami Beach, Fla., No. 315,911, dated August 14, 1934, and the notice of such proceeding sent by registered mail to the said Kool Products Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Kool Products Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business June 12, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 38,835, Trade-Mark Division, 1,654. Oldest new case, Jan. 8, 1937; oldest amended, Dec. 22, 1936.)
(The dates given are 1937 except where † indicates 1936)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Feb. 10	Mar. 16	534
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Feb. 12	Feb. 15	762
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Apr. 1	Apr. 1	429
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Mar. 8	Mar. 11	506
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Mar. 20	Mar. 20	584
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Mar. 2	Feb. 18	742
5725	7. JARBOE, C. G., Optics; Photography	Mar. 15	Mar. 13	881
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Mar. 15	Mar. 15	646
4621	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 13	Mar. 13	477
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Mar. 16	Mar. 24	413
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 13	Mar. 12	476
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	Feb. 10	Feb. 12	765
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 10	Mar. 10	501
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Mar. 19	Mar. 17	608
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 8	Mar. 8	963
5612	16. SPENCER, C. J., Telegraphy; Telephony	Mar. 3	Mar. 3	720
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 16	Mar. 16	480
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 11	Feb. 10	475
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 16	Feb. 8	802
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Mar. 11	Mar. 13	467
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Mar. 12	Mar. 12	604
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Mar. 20	Mar. 22	552
7624	23. BUTTNER, W. J. (Act.), Registers (part)	Mar. 6	†Dec. 22	205
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 18	Mar. 18	614
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 19	Mar. 19	473
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Mar. 13	Mar. 12	407
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Feb. 8	Feb. 9	728
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Apr. 5	Mar. 25	328
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Mar. 24	Apr. 2	468
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Feb. 5	Feb. 6	846
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Mar. 22	Mar. 22	483
4086	32. LESH, KARL (Act.), Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Mar. 13	Mar. 9	503
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Mar. 24	Mar. 27	664
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Apr. 7	Apr. 6	314
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Mar. 12	Mar. 4	637
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Mar. 18	Mar. 8	321
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Jan. 27	Jan. 21	806
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Mar. 13	Mar. 13	593
4872	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	Mar. 19	Mar. 17	465
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 15	Feb. 15	1301
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	Feb. 25	Feb. 26	323
5882	42. CUTTING, H. O., Electric Signaling	Mar. 11	Mar. 10	536
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Mar. 12	Mar. 12	564
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Mar. 1	Feb. 15	673
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Feb. 16	Feb. 17	714
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Mar. 20	Mar. 20	417
6082	47. BARKER, H., Clutches; Brakes	Mar. 31	Mar. 25	527
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Mar. 13	Mar. 13	500
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 13	Mar. 12	563
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Mar. 16	Mar. 16	663
5628	51. BACKUS, C. D., Radiant Energy	Mar. 10	Mar. 10	777
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Mar. 17	Mar. 22	603
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Feb. 13	Feb. 15	900
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Apr. 24	Apr. 20	346
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Jan. 12	Jan. 26	915
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making	Feb. 20	Feb. 20	812
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Jan. 8	Jan. 15	655
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 16	Mar. 19	340
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Mar. 17	Mar. 17	588
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Feb. 24	Feb. 24	496
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Mar. 15	Mar. 10	447
3876	62. PUGH, E. C., Games; Geometrical Instruments	Mar. 25	Mar. 20	441
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Mar. 10	Mar. 10	509
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Mar. 15	Mar. 15	879
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Jan. 30	Jan. 26	640
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks	May 12	May 29	1465
	(Labels and Prints	May 14	June 1	189
2605	Designs, H. H. KALUPY	May 10	May 26	475

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

FREY *v.* WAGNER

No. 3,737. Decided January 25, 1937

[87 F.(2d) 212]

1. INTERFERENCE—PRIORITY—APPLICATION AND PATENT. Evidence reviewed and *Held* to establish that W. had conceived and reduced to practice the subject matter of the claim in issue prior to the filing date of the application on which the patent to F. was granted.

2. SAME—APPLICATION AND PATENT—RIGHT TO MAKE CLAIM. Language of count taken from F. patent *Held* not ambiguous and therefore recourse to F. patent for aid in construing the language *Held* not justified and *Held* that W. has the right to make the count.

3. SAME—ESTOPPEL—FILING OF PRIOR INSUFFICIENT APPLICATIONS NOT A BAR. Fact that W. had filed two prior applications which were held not to make disclosure satisfying interference count and had in his interfering application made changes in the process claimed *Held* not to bar W. from the right to patent under doctrine of *Mason* v. *Hepburn*, 13 App. D. C. 86, as it is held there was no concealment or suppression by W.

4. SAME—PRIORITY. Priority of invention *Held* properly awarded to junior party F.

APPEAL from the Patent Office. Affirmed.

HATFIELD, *J.*, dissenting.

Messrs. Barry & Cyr, Mr. Robt. E. Barry and *Mr. Armand A. Cyr* for Frey.

Mr. Edward H. Lang, Mr. Thomas E. Scofield and *Mr. William S. McDowell* for Wagner.

GRAHAM, *P. J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming the decision of the Examiner of Interferences which awarded priority in the subject matter of the interference to the party Wagner. The interference is between the patent of the party Frey, No. 1,847,240, dated March 1, 1932, issued upon an application filed June 6, 1930, and an application of the party Wagner filed October 10, 1932. The single count of the interference was copied from the Frey patent by the party Wagner, who, at the same time, requested an interference. Said count is as follows:

> In a process for obtaining low boiling point hydrocarbon liquid polymers predominantly of the motor fuel range from olefinic hydrocarbon gases, continuously compressing said gases to a pressure between 500 and 2000 pounds per square inch, subsequently passing said gases under such pressure through an elongated passageway of restricted cross sectional area while heating the gases therein to a temperature sufficient to initiate polymerization of said gases, then passing said gases through an enlarged zone under said pressure and at slower velocity while maintaining the gases in said zone for a period of time sufficient to obtain an exothermic reaction and at temperatures between 700 and 1000° F. without introducing any extraneous heat into the zone, and then separating low boiling point liquid polymers so produced.

The petition for appeal recites that a former interference upon the same subject matter had been declared between said patent and an application of the party Wagner, filed April 11, 1929. This former interference was dissolved by the Examiner of Interferences on March 24, 1933, on the ground that the single count of the interference was not sustained by the disclosure of the Wagner application, and this decision was affirmed by the Board of Appeals upon appeal.

In the interference at bar, the party Frey rested upon his date of filing, and took no evidence. The party Wagner took evidence upon the question of his dates of conception and reduction to practice.

The matter having been submitted to the Examiner of Interferences, a decision awarding priority of invention to the party Wagner was made, and this, upon appeal, was affirmed by the Board of Appeals.

It appears from the record that the Frey patent was issued before the date of filing of the party Wagner's application. Therefore, the burden rested upon the party Wagner to maintain his case by evidence showing a prior conception and reduction to practice, beyond a reasonable doubt. The Examiner of Interferences and the Board of Appeals agreed in the conclusion that he had successfully maintained the burden thus resting upon him, and that prior to the date of filing of the Frey application, the party Wagner had conceived and reduced to practice the invention which is the subject matter of this interference.

The subject matter of the interference is fairly well disclosed by the count of the interference heretofore quoted. The principal question for decision here is whether the count of the interference reads upon the apparatus and process employed by the party Wagner. Counsel for Frey insist that the process practiced by Wagner does not satisfy the count, and in the decision of the matter consideration must necessarily be given to the particular language employed in the count.

The party Cary R. Wagner was, at the time the evidence was taken, chief chemist for The Pure Oil Company of Columbus, Ohio. After graduating from Wooster College and Purdue University, beginning with the first week in August, 1918, he had been continuously employed as a chemist in oil processing, and, since March, 1926, was employed in investigations of vapor phase methods of cracking oils. In this work he became interested in the utilization of gases produced as the result of vapor phase cracking processes, with the idea of ultimately making use of the same for motor fuel. At his instigation, The Pure Oil Company installed three units of the so-called gyro process, at Cabin Creek, West Virginia, and began at once to prepare gas oil from the olefinic hydrocarbon gases produced in the gyro process. On the 10th of April, 1928, he prepared a sketch of an apparatus, and of a process which he desired to have tried by his company, in which high pressure and high temperatures were employed to polymerize such gases. From this

sketch, an experimental apparatus was built, which used a compressor, a heater, a reaction chamber, and an accumulator tank. The heating coil was made of ¼ inch double extra strong pipe having a diameter of approximately .25 inch. The reaction chamber was made of iron pipe with an inner diameter of 1½ inches, and was 3 feet in length. This apparatus was operated from August to September, 1928. At that time the party Wagner concluded the reaction chamber was too small, and thereupon a new reaction chamber of heavy pipe, 4 inches in inner diameter, was procured and substituted for the first reaction chamber.

The apparatus was run with this new reaction chamber until about October 17, 1928, when, on the seventh run, it was found that the reaction chamber was swelling, and because of danger of an explosion, the use of it was discontinued. Thereupon a reaction chamber was prepared with a steam chamber fitted to it, by means of which steam could be circulated about the chamber to control its temperature. This plant was then operated until October, 1929, when it was dismantled and shipped to Marcus Hook, Pa., where the company was maintaining an experimental gyro gas unit. The experimental plant at Marcus Hook was erected in November, 1929, and began to operate about January 1, 1930. The Marcus Hook plant was built substantially like the plant at Cabin Creek, W. Va. This plant was operated until a commercial plant was built at the Toledo, Ohio, refinery of The Pure Oil Company, construction beginning in the fall of 1930. The last-named plant was completed and ready to begin operations about April 1, 1931, and was operated continuously up until June, 1933. In operating the Cabin Creek apparatus, the pressure ranged from 600 pounds to 800 pounds per square inch in the early experiments in 1928, and later the pressure was increased to 1000, and in some cases 1100 pounds. This pressure was maintained until the gases had passed through the condensing coil and was then reduced. While the gases were passing through the reaction chamber, the record shows that they were slowed up and did not pass through this chamber as rapidly as through the heating coil and remainder of the system. The temperature during these experiments was from 600° to 900° F. at the point where the gases entered the reaction chamber. In the reaction chamber, due to exothermic reaction, the temperature of the gases increased.

In the plant at Marcus Hook, several methods were used to control temperature in the reaction chamber. Sometimes this was done with flue gases and sometimes with steam, but in each process the temperature of the surrounding medium was less than the temperature within the reaction chamber, so that the effect was to lower the temperature in the reaction chamber. In the Toledo commercial plant, a very long reaction chamber was used, sometimes of the length of from 600 to 700 feet, of 3⅝ inches internal diameter, this type of reaction chamber being used because the company had, at that place, an excess amount of this kind of tubing which could be used for that purpose. So far as the record shows, the operation of the plants in each case produced the effect desired, namely, the production of motor fuel, and the record demonstrates conclusively that from the beginning of the experiments to the final construction and operation of the Toledo plant, the work and experimentation were continuous. Wagner and his company were continuously attempting to produce better results, but the process at all times was conducted along the same general lines as those employed in the first Cabin Creek, W. Va., experimental apparatus.

[1] [2] We are satisfied, as were the Examiner of Interferences and the Board of Appeals, that Wagner has sustained the burden of establishing, beyond a reasonable doubt, that prior to the filing date of Frey, Wagner had conceived and reduced to practice the subject matter of the interference. It is argued, however, by counsel for Frey, that inasmuch as the count was taken from the Frey patent, it should be construed as requiring a process in which heat is neither added to nor abstracted from the reaction zone. If the language of the count were ambiguous, we would be justified in going to the Frey patent for aid in construing the language. However, there does not seem to be anything ambiguous about the language of the count. The count specifies that the gases shall pass through the reaction chamber "at temperatures between 700 and 1000° F. *without introducing any extraneous heat into the zone.*" (Italics ours.) There is here no language which intimates that heat may not be abstracted from such zone, and, therefore, we may not conclude that because the Frey patent may so specify, that the Wagner disclosure is insufficient in that it does abstract heat. It is also intimated that heat may be added by the Wagner process to the reaction chamber, because at times it is exposed to steam heat or to heat from the flue gases. However, the record shows conclusively that in all such cases the temperature of steam or of the flue gases was below that of the vapors within the reaction chamber, and hence the effect was a lowering of temperature and not of an increase thereof.

It is argued by the appellant that, as shown by the Frey disclosure, it was intended to bring the heat in the heating coil to a temperature where *initiation* of the reaction process would start and no further, and that the reaction itself should occur in the reaction chamber. It is then argued that because Wagner used a temperature where a considerable reaction occurred in the heating zone, as it is alleged, therefore his disclosure does not satisfy the count which recites "a temperature sufficient to *initiate* polymerization of said gases." (Italics ours.) As remarked by the Board of Appeals, this would indicate that appellant is of opinion that the count should read as if the word "only" were inserted before the word "initiate", thus confining the heat within the heating zone to a temperature *only* sufficient to begin or initiate polymerization. However, it will be observed, as the Board of Appeals remarked, that there is no such limitation in the count, and, so far as the count is concerned, a temperature that would cause polymerization, in addition to initiation of the same, would, nevertheless, satisfy the count. We are, therefore, of opinion that this point is not well taken.

[3] Again it is argued that the doctrine of *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147, should be applied here as against Wagner's right to priority. It is argued that Wagner filed two applications after he had been allegedly conducting his experiments at Cabin Creek and at Marcus Hook, which were held by the tribunals of the Patent Office not to satisfy the present interference count, and it was only in the third application, dated October 10, 1932, that Wagner was able to make a disclosure which did satisfy the count of the present interference. From this it is argued that the party Wagner had abandoned his first experimental ideas, and had finally, moved to activity by Frey's patent, adopted Frey's method and processes. Thus it is argued he should be held to be barred by a doctrine akin to estoppel, as was the holding in *Mason* v. *Hepburn*, supra.

Whatever may be said to have been the changes of apparatus and process by Wagner is inconclusive, as it seems to the court, in view of the undisputed testimony as to the process used by Wagner at Cabin Creek and at Marcus Hook. There certainly was no concealment or suppression of the processes which he was experimenting with and using. The photographs in evidence, as well as the testimony of the witness, show that the experimental plants were conducted at those places, and that they were not concealed, but openly operated where employees and anyone in that locality might view them. That Wagner was constantly experimenting with his processes does not argue that he had abandoned his first processes. The law does not punish an inventor for attempting to perfect his process before he gives it to the public. In fact, reasonable experimentation is frequently encouraged. *Appert* v. *Brownsville Plate Glass Co.*, 144 Fed. 115; *Benjamin W. Jones* v. *Clarence T. Evans*, 18 C. C. P. A. (Patents) 866, 46 F.(2d) 197, 405 O. G. 841; *Altorfer and Dehle* v. *Haag*, 22 C. C. P. A. (Patents) 806, 74 F.(2d) 129, 454 O. G. 285.

We are not disposed to extend the doctrine of *Mason* v. *Hepburn*, supra. We are unable to discern in anything that the party Wagner did in this case, any attempt to conceal or suppress the invention, the subject matter of this interference. *James G. MacLaren* v. *Joseph J. Stoetzel*, 17 C. C. P. A. (Patents) 857, 38 F.(2d) 125, 395 O. G. 334; *Nystrom and Landwehr* v. *Mancuso*, 20 C. C. P. A. (Patents) 934, 64 F.(2d) 698, 432 O. G. 753.

The burden was upon the appellant to establish among other things, a concealment or suppression on the part of the party Wagner, if the doctrine of *Mason* v. *Hepburn*, supra, is to be applied. We agree with the Board of Appeals that he has failed to sustain this burden.

[4] The decision of the Board of Appeals of the United States Patent Office is affirmed.

Affirmed.

HATFIELD, *J.*, dissents.

U. S. Court of Customs and Patent Appeals

IN RE STACK

No. 3,715. Decided January 25, 1937

[87 F.(2d) 210]

1. PATENTABILITY—METHOD OF MAKING ALLOY-CLAIMS INDEFINITE.
   Claims for a method of making silver-tin base dental alloy *Held* properly rejected on the ground they are not sufficiently definite in specifying the necessary step or steps by which the result is accomplished.
2. SAME—SAME—BREADTH OF CLAIMS WHERE PRODUCT IS NEW.
   Fact that applicant was the first to produce a silver-tin base dental alloy having the characteristics set forth in the claims *Held* not to entitle him to all methods for producing same.
3. METHOD CLAIMS—BREADTH.
   A proper method claim should do more than merely state a broad conception of the problem—a statement of the result desired—it should specify the necessary step or steps by which the result is accomplished.
4. SAME—SAME.
   Recitation in a method claim of the step of "chemical treatment" *Held* not to lend patentability where the claim does not define what constitutes the chemical treatment even though the product be new.

APPEAL from the Patent Office. Affirmed.

Messrs. Austin & Dix and *Mr. Albert M. Austin* for Stack.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.*:

Appellant filed in the United States Patent Office an application for a patent for "Improvements in Silver-Tin Base Dental Alloys." Certain claims, drawn to the composition, were allowed. The Primary Examiner rejected claims 3 and 4 on the ground that they are method claims which do not "cover a proper process." Upon appeal, the Board of Appeals affirmed the said rejection for the same reason, and from its decision appellant has appealed to this court.

The two appealed claims read:

3. In manufacturing a comminuted silver-tin base dental alloy which upon amalgamation with mercury exhibits a predetermined degree of expansibility, the improvement which comprises increasing the ratio of silver to tin in the outer portions of the comminuted alloy particles to such degree that sufficient silver will be available upon amalgamation with mercury to form the proper amount of Ag_2Hg_4 necessary to effect the predetermined degree of expansibility.

4. In the manufacture of silver-tin base dental alloys, the method of rendering such alloys capable of expanding a definite, predetermined degree upon amalgamation with mercury which comprises subjecting the alloy particles in comminuted form to a chemical treatment adapted to alter the composition of the exterior portions of said particles in such manner that the ratio of silver to tin in the exterior portions of the alloy particles is greater than the ratio of silver to tin in the interior portions of the alloy particles.

No references were cited against the appealed claims, but the rejection of both tribunals below was, as before stated, on the ground that the

claims do not cover a proper process, being too broadly drawn.

The application relates particularly to the production of dental alloys of a silver-tin base, which, when amalgamated with mercury, will expand within certain desired, definite and predetermined limits, and will thereafter maintain the same degree of expansibility. No doubt, claim 3 was intended to cover broadly the method of producing such an alloy. As defined by the claim, the method consists in increasing the ratio of silver to tin in the outer portions of the comminuted alloy particles to such a degree that enough silver will be available, when subjected to amalgamation with mercury, to form the proper amount of silver amalgam to bring about the predetermined degree of expansibility. Claim 4 is somewhat narrower in scope in that it specifies that the aforesaid ratio should be increased by a chemical treatment.

The Examiner in rejecting the appealed claims stated that:

> The two appealed claims are in the form of a method. Claim 3 calls for only the single method step of increasing the ratio of silver to tin in the outer portion of the particles.
>
> Claim 4 is slightly more specific in language and covers the single step of subjecting the particles to a chemical treatment for the same purpose.
>
> Neither of these claims cover any definite method but as broadly as drawn, cover all methods of accomplishing a result. In other words, these claims cover a result without stating how to obtain such result. They state a problem without stating how to solve it.

The Board in rejecting claim 3 stated that the step mentioned therein did not specify any particular way of increasing the ratio of silver to the tin near the surface and that

> "If it is desired to make the alloy specified in claim 1 [allowed], it would be obvious to increase the ratio of silver to tin in the outer portions in some manner,"

and cited *Ex parte Trevette*, 1901 C. D. 170, and the decisions therein cited.

In rejecting claim 4, involving "chemical treatment," the Board said:

> • • • However, "chemical" treatment is such a broad term that it is not regarded sufficiently definite to make this claim allowable. It is also regarded broadly as an obvious way of producing the alloy specified in allowed claim 1 and therefore claim 4 also falls under the Trevette decision.

Speaking of both rejected claims the Board said:

> • • • A proper method claim should specify more than merely the broad conception of obtaining a certain result. It should specify the necessary step or steps by which the result is accomplished. We do not regard the appealed claims as being sufficiently definite in this respect, and hence are not patentable. This is perhaps only another way of expressing the thought of the Examiner when he states that applicant should not be allowed a method claim of this broad scope.

Appellant contends that in producing the article claimed in the allowed claims it is not obvious to follow the process outlined in claim 3, and bases this statement on the alleged fact that "though known to the trade that the particles have a certain composition it has not been obvious that this is accomplished by increasing the ratio of silver to the other elements in the exterior portion."

As to claim 4, appellant contends that since he is the first person to have accomplished the result sought, he is entitled to a broad claim to any method of chemical treatment which accomplishes the result, and cites the case of *Byron Weston Co.* v. *L. L. Brown Paper Co.*, 20 F.(2d) 183, which involved a claim, the validity of which was not questioned and which reads:

> 2. The method herein described of manufacturing paper having a thinned portion, which consists in removing from the web at the portion to be thinned, along a defined line, some of the material by the application of air pressure thereto.

Appellant contends that said last above-quoted claim covers broadly the method of manufacturing paper, having a thinned portion, by the use of air pressure, and that claim 4 on appeal here is of no greater breadth.

[1] [2] We are in agreement with the decision of the Board of Appeals. Appellant's contention is to the effect that since he is the first person producing a silver-tin base dental alloy having the characteristics set forth in the claims, he is entitled to all methods (even though claimed only in terms defining the desired results) for producing the same. This position is, of course, without merit. If his alloy is new and useful and if it required inventive genius to produce it, under ordinary circumstances he would be entitled to a patent on the article. He also would be entitled to a patent for a new, useful, and inventive method of producing the article. But someone else who discovers a different method inventive in character might also be entitled to a patent.

[3] Claim 3 is not a proper method claim. It should do more than merely state a broad conception of the problem—a statement of the result desired. It should specify the necessary step or steps by which the result is accomplished. Appellant's specification states how he accomplishes his result by detailing the steps which he employs in doing so. As far as this record shows, no claim based upon such method has been submitted.

[4] Claim 4 is subject to the same general objection, inasmuch as no proper method steps are recited. Although an applicant may be the first to produce an article involving a chemical treatment in its production, he is not entitled to a monopoly of all methods in which chemical treatment may be involved, and, under such circumstances, the term "chemical treatment" does not lend patentability to a claim which does not define what constitutes the chemical treatment.

As to the validity of the claim set out above, which was involved in *Byron Weston Co.* v. *L. L. Brown Paper Co.*, supra, we express no opinion, but, regardless of its validity it should be at once apparent that the claim is a very different one from either of the ones at bar.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,710,095, C. C. Lamb, Laundering machine and driving and stabilizing mechanism therefor, D. C., N. D. Ill., E. Div., Doc. 14,072, *C. C. Lamb* v. *Berchtold Home Utilities Co.* Patent held not infringed, bill dismissed Nov. 23, 1936.

1,715,525, W. S. Vrooman, Floor covering for automobiles, filed Mar. 30, 1937, D. C., N. D. Ohio (Cleveland), Doc. 5583, *The Paine & Williams Co.* v. *The R C A Rubber Co.*

1,723,940, H. J. Krantz, Centrifugal machine, filed Mar. 31, 1937, D. C., E. D. N. Y., Doc. E 8267, *U. S. Hoffman Machinery Corp.* v. *Cummings-Landan Laundry Machinery Co., Inc.*

1,731,967, L. J. Antonsen, Paper excelsior machine, D. C., W. D. Wash., N. Div., Doc. 933, *L. J. Antonsen* v. *S. Michelson.* Cause reinstated. Order dismissing bill for want of prosecution vacated Apr. 5, 1937.

1,737,620, E. R. Talbot, Waffle iron, D. C., N. D. Ill., E. Div., Doc. 14915, *R. Moore* v. *Walgreen Co.* Dismissed Feb. 15, 1937.

1,752,331, F. C. Fantz, Return bend, D. C., E. D. Pa., Doc. 7441, *Stockham Pipe & Fitting Co.* v. *F. C. Fantz.* Dismissed with prejudice Feb. 16, 1937.

1,752,976, I. Cowles, Flexible conduit assembly and method of making same, filed Mar. 29, 1937, D. C., W. D. Mich. (Grand Rapids), Doc. 2791, *J. L. Ward et al. (The Flex-O-Tube Co.)* v. *E. Edelmann & Co., Inc., et al.*

1,754,669, J. H. Cohen, Heater, C. C. A., 1st Cir., Doc. 3211, *Casco Products Corp.* v. *M. Zaiger (Lion Products Co. et al.)* Decrees of District Court vacated, cases remanded for further proceedings (notice Apr. 1, 1937).

1,775,185, C. B. Aldrich, Mortar board cap, filed Mar. 16, 1937, D. C., N. D. Ill., E. Div., Doc. 15566, *Aldrich & Aldrich, Inc.*, v. *Collegiate Cap & Gown Co.*

1,776,706, J. Schibler, Electrically energized spring motor, D. C., N. D. Ill., E. Div., Doc. 14879, *W. W. Billings et al.* v. *Western Clock Co.* Dismissed with prejudice Feb. 5, 1937.

1,778,363, W. G. Kirchhoff, Dough mixer, D. C., S. D. Ohio, W. Div., Doc. E 1009, *Peerless Bread Machinery Corp.* v. *The J. H. Day Co.* Dismissed Apr. 21, 1937.

1,781,834, L. F. D'Autremont, Stencil sheet, D. C., S. D. N. Y., Doc. E 83/271, *Profilm Corp.* v. *L. Post (Screen-Printing Supply Co.).* Decree pro confesso for plaintiff (notice Apr. 8, 1937).

1,802,700, V. A. Boker, Nozzle for lubricating systems, filed Apr. 19, 1937, D. C., S. D. N. Y., Doc. E 85/66, *Min-A-Max Co., Inc.*, v. *J. H. Lustgarten (Wasaga Supply Co.).*

1,819,776, J. C. Heck, Cinematograph screen, D. C., N. D. Ill., E. Div., Doc. 11323, *The Da-Lite Screen Co.* v. *National Theatre Supply Co.* Dismissed Mar. 16, 1937.

1,822,710, H. Pennington, Rotary drilling rig, D. C., S. D. Tex. (Houston), Doc. E 670, *H. Pennington* v. *National Supply Co. of Texas.* Dismissed Mar. 31, 1937.

1,829,915, J. J. Wasser, Display device, D. C., N. D. Calif. (San Francisco), Doc. E 3956–L, *Pevely Dairy Co.* v. *M. S. Manhard.* Patent held valid and infringed, injunction Apr. 15, 1937.

1,831,930, H. A. Speh, Breeches, filed Mar. 2, 1937, D. C., N. D. Ill., E. Div., Doc. 15549, *The Drybak Corp. et al.* v. *Red Head Brand Co.*

1,856,692, G. Comerford, Wrapper for use in hair waving process, D. C., N. D. Ill., E. Div., Doc. 14649, *The Nestle-LeMur Co.* v. *The National Mineral Co.* Dismissed without prejudice Jan. 20, 1937.

1,859,098. (See Re. 19,292.)

1,859,198, K. E. Cunningham, Combination garment, D. C., N. D. Ohio, E. Div., Doc. E 4872, *The H. W. Gossard Co.* v. *A. L. Loeber et al.* Dismissed without prejudice Feb. 6, 1937. Same, filed Mar. 15, 1937, D. C., N. D. Ill., E. Div., Doc. 15565, *The H. W. Gossard Co.* v. *Loeber's, Inc.* Same, filed Apr. 3, 1937, D. C., N. D. Ill., E. Div., Doc. 15603, *Loeber Hair Goods Co. et al.* v. *The H. W. Gossard Co.* Same, D. C. Ohio (Cleveland), Doc. 4777, *The H. W. Gossard Co.* v. *Loeber Hair Goods Co.* Injunction issued Aug. 3, 1934, vacated and dissolved Apr. 14, 1937.

1,865,995, A. L. Wurster, Cravat holder, D. C., N. D. Ill., E. Div., Doc. 15012, *Wreal Cravat Holder Co., Inc., et al.* v. *S. Buchsbaum & Co.* Dismissed without prejudice Feb. 26, 1937.

1,869,933, G. J. Cooke, Seal for rotating shafts, filed Mar. 29, 1937, D. C., N. D. Ill., E. Div., Doc. 15587, *Cooke Electric Refrigeration Co. et al.* v. *Refrigeration Products, Inc.*

1,872,641, S. Capezio, Ballet slippers and manufacture of same, D. C., N. D. Ill., E. Div., Doc. 12978, *S. Capezio* v. *Chicago Theatrical Shoe Co.* Dismissed for lack of invention Feb. 1, 1935. Decree affirmed Mar. 2, 1937. Doc. 12979, *S. Capezio* v. *L. Harris (Advance Theatrical Shoe Co.).* Decree as above.

1,881,324, H. E. Metcalf, Signal reproducer, D. C., N. D. Ill., E. Div., Doc. 12713, *The Magnavox Co.* v. *Transformer Corp. of America.* Dismissed for want of prosecution Oct. 13, 1936.

1,882,271, E. N. Berggren, Spray gun, filed Mar. 16, 1937, D. C., N. D. Ill., E. Div., Doc. 15568, *E. N. Berggren* v. *W. W. Wittie et al.*

1,886,433, W. C. Tregoning, Electric switch, D. C., N. D. Ill., E. Div., Doc. 13907, *Cutler-Hammer, Inc.*, v. *Sorenq-Manegold Co.* Dismissed without prejudice Dec. 31, 1936.

1,889,166, M. Widerman, Hair waving device, D. C., E. D. N. Y., Doc. E 8045, *Mervin Wave Clip Co., Inc.*, v. *A. M. Herschensohn et al.* Decree for defendants Mar. 25, 1937.

1,895,231, Pearson & Thordarson, Constant current transformer, filed Jan. 20, 1937, D. C., N. D. Ill., E. Div., Doc. 15523, *Thordarson Electric Mfg. Co.* v. *Reynolds Electric Co.*

1,899,777, N. M. Stanley, Lense, filed Apr. 20, 1937, D. C., S. D. Calif. (Los Angeles), Doc. E 1148–M, *The Univis Corp. et al.* v. *C. E. Siel et al.*

1,901,581, A. J. Chamberlain, Closure for containers, D. C., N. D. Ill., E. Div., Doc. 13869, *A. J. Chamberlain et al.* v. *Wilson & Bennett Mfg. Co.* Bill and counterclaim dismissed without prejudice Feb. 23, 1937.

1,906,909, J. B. Lawrence, Decalcomania transfer, filed Feb. 8, 1937, D. C., N. D. Ill., E. Div., Doc. 15532, *American Decalcomania Co.* v. *Rayner-Consolidated Decalcomania Co.*

1,922,943, A. A. Gobeille, Fabric, D. C., S. D. N. Y., Doc. E 77/162, *Columbia Narrow Fabric Co. et al.* v. *Majestic Silk Mills, Inc.* Dismissed for lack of prosecution (notice Apr. 6, 1937).

1,924,011, J. J. Willmott, Holder, D. C., S. D. N. Y., Doc. E 77/246, *L. Farber* v. *Lehman Bros. Silverware Corp.* Consent decree for plaintiff (notice Apr. 20, 1937).

1,926,918, R. W. Sexton, Ornamental fabric and method of production, D. C., S. D. N. Y., Doc. E 77/49, *R. W. Sexton* v. *C. Emmey (Frances Emblem Studios).* Consent decree for plaintiff (notice Apr. 21, 1937).

1,930,980, H. C. Maibohm, Variable electrical resistor and switch, C. C. A., 4th Cir., Doc. 4140, *H. C. Maibohm* v. *RCA Victor Co.* Decree affirmed Apr. 6, 1937.

1,931,995, J. M. Phillips, Advertising device, filed Apr. 22, 1937, D. C., E. D. N. Y., Doc. E 8282, *Twenty First Century Novelty Co., Inc.*, v. *W. E. Neasham et al.*

1,941,794, J. F. Gall, Tufted mattress and method of making same, D. C., N. D. Ill., E. Div., Doc. 13933, *Simmons Co.* v. *Perfection Bedding Co.* Patent held invalid, bill dismissed Nov. 25, 1936.

1,945,110, A. Gordon, Ear protector, D. C., N. D. Ill., E. Div., Doc. 14293, *A. Gordon* v. *A. L. Atkins et al.* Patent held invalid, bill dismissed Feb. 3, 1937.

1,954,889, J. R. Parsons, Process of treating ceramic material, filed Mar. 4, 1937, D. C., N. D. Ill., E. Div., Doc. 15553, *The Babcock & Wilcox Co. et al.* v. *U. S. Gypsum Co. et al.*

1,955,568, W. T. Simpson, Convector system for oil cracking, filed Apr. 5, 1937, D. C., W. D. Mich., S. Div., Doc. E 2793, *H. R. Dickinson* v. *Old Dutch Refining Co.*

1,957,038, E. W. Beidler, Rotary pump and mounting plate therefor, filed Apr. 3, 1937, D. C., N. D. Ohio, E. Div., Doc. 5585, *Romec Pump Co.* v. *Pump Engineering Service Corp.*

1,958,031, E. L. Bresson, Radio receiving system, appeal filed Apr. 15, 1937, C. C. A., 2d Cir., Doc. —, *W. Avery et al.* v. *Devega-City Radio, Inc.*

1,958,219, J. H. Voss, Automatic ring plate valve, filed Feb. 18, 1937, D. C., N. D. Ill., E. Div., Doc. 15540, *J. H. Voss, Inc.*, v. *H. Hang (Chicago Compressor & Engineering Co.)*.

1,959,032, W. R. McGowen, Swing, D. C., S. D. Ohio, W. Div., Doc. E 919, *The McKay Co.* v. *The Shott Mfg. Co.* Patent held valid and infringed Apr. 21, 1937.

1,965,299, P. A. Patterson, Abrading and polishing composition, D. C., E. D. Mich., S. Div., Doc. 7705, *McAleer Mfg. Co.* v. *Buckingham Products Co. et al.* Decree for plaintiff Apr. 12, 1937.

1,972,155, J. D. McMaster, Display device, D. C., S. D. N. Y., Doc. E 80/304, *J. D. McMaster* v. *S. Sechi (Bubble-Glo Sign Co.)*. Consent order of discontinuance (notice Apr. 10, 1937).

1,977,093, S. Sechi, Illuminated sign, D. C., S. D. N. Y., Doc. E 82 336, *Bubble Glo Sign Co., Inc.*, v. *Biolite, Inc.* Bill and counterclaim dismissed (notice Apr. 15, 1937).

1,989,535, F. W. Stolzenberg, Pile fabric, C. C. A., 2d Cir., Doc. —, *Sidney Blumenthal & Co., Inc.*, v. *Rossie Velvet Co.* Decree affirmed (notice Apr. 5, 1937).

1,994,318, G. Loth, Shipping carton, D. C., N. D. Ohio, E. Div., Doc. E 5524, *The Hinde & Dauch Paper Co.* v. *I. Silver (The Silver Hatchery)*. Consent decree holding patent valid and infringed (notice Mar. 29, 1937).

1,995,879, G. B. Benander, Lamp socket and current tap, D. C., E. D. N. Y., Doc. E 8163, *The Monowatt Electric Corp.* v. *Leviton Mfg. Co.* Dismissed in favor of defendant Mar. 27, 1937.

Re. 19,292 (of 1,859,098), S. Lerma, Fabric covered buckle, D. C., S. D. N. Y., Doc. E 79/356, *Everybody's Tool & Die Works, Inc.*, v. *C & C Button & Trimming Co., Inc., et al.* Consent decree dismissing bill for want of equity (notice Mar. 24, 1937).

Disclaimers

1,894,015.—*Wilburn F. Bernstein*, Los Angeles, Calif. SEPTIC INDICATOR. Patent dated January 10, 1933. Disclaimer filed June 8, 1937, by the assignee, *Aseptic-Thermo-Indicator Company.*

Hereby enters this disclaimer to claim 1 in said Letters Patent.

1,995,187.—*Edward Lind* and *David Feigenbaum*, New York, N. Y. COLLAR, NECKBAND, OR OTHER GARMENT PART. Patent dated March 19, 1935. Disclaimer filed June 11, 1937, by the patentees.

Hereby enter this disclaimer to so much of claim 1 of said Letters Patent as is in excess of the following:

A folded collar comprising fabric plies of textile material, and an interlining between the plies and extending over the fold line thereof, said interlining comprising a sheet of light weight, closely woven textile material having a thermoplastic, waterproof, cementitious coating or coatings thereon extending over substantially the entire surface of each side of the interlining and uniting substantially the entire surface of each side thereof to an adjacent ply or plies and at least at the fold line of the collar, whereby the collar is flexibly stiffened at least at the fold line without appreciable bulkiness.

and also hereby enter this disclaimer to so much of claim 2 of said Letters Patent as is in excess of the following:

A folded collar comprising fabric plies of textile material, and an interlining between the plies and extending over the fold line thereof, said interlining comprising a sheet of light weight, woven textile material so closely woven as to receive a thermoplastic, waterproof, cementitious coating of cellulosic material on a surface thereof, said sheet having a thermoplastic, waterproof, cellulosic coating of cementitious material on both surfaces thereof uniting its entire surfaces to each of the adjacent plies and at least at the fold line of the collar, whereby the collar is flexibly stiffened at least at the fold line without appreciable bulkiness.

and also hereby enter this disclaimer to so much of claim 3 of said Letters Patent as is in excess of the following:

A folded collar comprising fabric plies of textile material having an interlining therebetween extending over the fold line thereof, said interlining comprising a sheet of light weight, textile material having a weave of between approximately 68 x 72 and 96 x 100 threads to the square inch and having a uniting thermoplastic, waterproof coating or coatings on both sides thereof and extending over substantially the entire surface of each side and at least at the fold line and serving to unite approximately the entire surface of each side thereof to an adjacent ply and at least at the fold line of the collar, whereby the collar is flexibly stiffened at least at the fold line without appreciable bulkiness.

and also hereby enter this disclaimer to so much of claim 4 of said Letters Patent as is in excess of the following:

A folded collar comprising fabric plies of textile material having an interlining therebetween extending over the fold line thereof, said interlining comprising a sheet of light weight, woven textile material having a weave of between approximately 68 x 72 and 96 x 100 threads to the square inch and having thermoplastic, waterproof, cementitious coatings on opposite sides thereof uniting approximately its entire surfaces to the adjacent plies including the fold line, whereby the collar is flexibly stiffened at least at the fold line without appreciable bulkiness.

2,001,189.—*Harold A. Fletcher*, Chicago, Ill. CONTROLLABLE PITCH PROPELLER. Patent dated May 14, 1935. Disclaimer filed June 8, 1937, by the assignee, *Eclipse Aviation Corporation.*

Hereby enters this disclaimer to claims 11 and 12 of the specification.

2,027,569.—*Sedgwick N. Wight*, Rochester, N. Y. INTERLOCKING SYSTEM FOR RAILROADS. Patent dated January 14, 1936. Disclaimer filed June 8, 1937, by the assignee, *General Railway Signal Company.*

Hereby enters this disclaimer by disclaiming from claim 20 any system, except wherein the "signal relay located near each end of each route circuit" is responsive to the energization of the route circuit so that both of the signal relays are "energized when such circuit is energized"; and by disclaiming from claims 23 and 25 any system, except wherein the "traffic governing relay for each of said signals" is responsive to the energization of the "route circuit between said traffic governing relays", so that both of these relays are energized when such route circuit is energized.

2,067,131.—*Oswald Schlaupitz*, Canton, Ohio. FUEL INJECTOR. Patent dated January 5, 1937. Disclaimer filed June 4, 1937, by the assignee, *The Timken Roller Bearing Company.*

Hereby disclaims the subject matter of claims 1 and 4 of said Letters Patent.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING MAY, 1937

PACKARD MOTOR CAR COMPANY *v.* LEKTRO SHAVE CORPORATION, Opposition No. 15,697.

In a decision rendered May 3, 1937 (159 Ms. Dec. 894), *Assistant Commissioner Frazer* held that the Examiner of Interferences properly refused to dismiss a notice of opposition under the following circumstances: The opposer did not take testimony within the time set. The Examiner of Interferences denied a motion to dismiss on the ground that the opposer had pleaded in the notice of opposition a registration which it owned, and had filed, within its time for taking testimony, a copy of that registration.

The Assistant Commissioner quoted from the decision of the Examiner of Interferences as follows:

"This registration is deemed to be prima facie evidence of ownership of the mark disclosed therein as of the date of filing of the application which matured into this registration. The latter date is prior to the filing date of the application involved herein and the motion is accordingly denied."

He then said:

"It may be added that in its answer to the notice of opposition applicant expressly admitted 'that trade-mark registration No. 47,621 was issued to a Packard Motor Car Company of Detroit, Michigan, and that said trade-mark registration was renewed.' This admission alone was sufficient to justify the denial of the motion to dismiss. Clearly a party need not take testimony to prove an allegation of its pleading which its adversary admits to be true."

THE R. F. JOHNSTON PAINT COMPANY ET AL. *v.* S. C. JOHNSON & SON, INC., Opposition No. 14,372.

In a decision rendered May 5, 1937 (159 Ms. Dec. 891), *Assistant Commissioner Frazer* denied a petition that the Examiner of Interferences be directed to "enter an order making a final judgment dismissing the opposition upon its merits."

In its decision the Assistant Commissioner noted that the parties had filed a stipulation that the opposition should be dismissed upon the granting of a motion which the applicant had made to amend its application and the entry of an amendment accompanying said motion, and that pursuant to the stipulation the Examiner of Interferences had dismissed the notice of opposition without prejudice, contingent upon the entry of the amendment.

He further noted that the motion had been duly entered and a certificate of registration issued to the applicant.

He then, after noting the Examiner's refusal to enter the judgment asked for on the ground that the case was no longer in his jurisdiction, said:

"I am clearly of the opinion that the ruling of the Examiner of Interferences should not be disturbed. He had never considered the opposition 'upon the merits.' In fact the application as finally allowed was unopposed. The stipulation in effect was a withdrawal of the opposition, upon condition that the application be so amended as to overcome opposer's objections to the registration sought; and when the amendment was entered the opposition proceeding was automatically terminated by the Examiner's order of January 27. This was in strict accordance with the stipulation, and petitioner is entitled to nothing more."

EX PARTE MIDWAY CHEMICAL CO., Serial No. 381,230.

In a decision rendered May 5, 1937 (159 Ms. Dec. 892), *Assistant Commissioner Frazer* held that the Examiner of Trade-Marks properly refused to permit the removal from the drawings of certain portions of the trade-mark sought to be registered in the absence of a disclaimer.

In his decision, after noting that the drawing of the application disclosed a design having thereon the word "Radiant," and the word "Midway," and that registration was refused because of prior registration of the word "Radiant" for goods of the same descriptive properties, and that applicant had sought to amend by striking out the entire "Radiant" and the emblem, leaving only the word "Midway", and noting the decision in Wayne Poultry Tonic Co., 164 O. G. 251, which provides that where the drawing is modified by the elimination of the arbitrary feature a disclaimer shall be filed, the Assistant Commissioner said:

"Counsel does not question the soundness of the rule as applied to composite marks, but insists that applicant's drawing contains two distinct trade-marks, either of which may be erased without mutilating the other. In the application papers, however, it is stated under oath by applicant's secretary 'that the description and the drawing presented truly represent the trade-mark sought to be registered;' and the drawing itself is not inconsistent with that statement. Counsel refers to the labels in support of his contention that two separate marks are shown, but admits that 'there are no specimens now in the record;' and those attached to the brief, assuming that they may properly be considered, show no trade-mark use of the word 'Midway.'"

THE FEDERAL GAUGE COMPANY *v.* C. F. BURGESS LABORATORIES, INC., Opposition No. 15,139.

In a decision rendered May 7, 1937 (159 Ms. Dec. 895), *Assistant Commissioner Frazer* held that C. F. Burgess Laboratories, Inc., of Freeport, Ill., is not entitled to register the term "Micro," as a trade-mark for electric switches, in view of the opposition of The Federal Gauge Company (The Mercoid Corporation, assignee), of Chicago, Ill., based upon the use of the term "Mercoid" upon the same goods.

In his decision, after noting that the Examiner had relied largely upon the decision of the Court of Customs and Patent Appeals in *California Cyanide Co.* v. *American Cyanamid Co.*, 17 C. C. P. A. 1146, 40 F.(2d) 1013, and *Marion Lambert, Inc.*, v. *O'Connor*, 159 Ms. D. 428, 26 U. S. P. Q. 44, in the first of which were involved the marks "Citrofume" and "Citrus Dust", and in the second of which were involved the trade-marks "Voo"

and "Dew", and noting that the second decision had later been reversed by the Court of Customs and Patent Appeals (86 F.(2d) 980), he said:

"*California Cyanide Co.* v. *American Cyanamid Co.*, supra, the court pointed out that one of the expressions there involved consists of a single word and the other of two, and that 'the one word is not made up of syllables which cause it to look or sound like the two-word term.' Here both marks are unitary, two-syllable words, not differing greatly in either appearance or sound. It is true that they are entirely different in significance, but that point is not of controlling importance. *Kroger Grocery & Baking Co.* v. *Blue Earth Canning Co.* (C. C. P. A.), 88 Fed.(2d) 725."

Then, after noting applicant's argument that the switches of the two parties were specifically different, he said:

"Assuming, however, that this slight difference in the goods now sold by the parties is material, it is to be noted that applicant is seeking registration of its mark for electric switches generally, with no restrictions as to type. For the purpose of this proceeding the goods of the parties must therefore be deemed identical.

"In my opinion it is at least reasonably probable that confusion may result from the concurrent use on such goods of the trade-marks 'Mercoid' and 'Micro', and any doubts in that regard must be resolved in opposer's favor. *Skelly Oil Co.* v. *The Powerine Co.* (C. C. P. A.), 86 Fed.(2d) 752."

WILLIAMS OIL-O-MATIC HEATING CORPORATION *v.* AMERICAN STEEL PRODUCTS CO., Cancellation No. 2895.

In a decision rendered May 14, 1937 (159 Ms. Dec. 898), *Assistant Commissioner Frazer* held that American Steel Products Co., of Macomb, Ill., was entitled to register the term "Oil-O-Stat" as a trade-mark for brooders, notwithstanding the prior adoption, use and registration by the Williams Oil-O-Matic Corporation, of Bloomington, Ill., of the term "Oil-O-Matic" for liquid fuel-burning devices, and that the petitioner had established no ground for the cancellation of that registration now owned by the Globe American Corporation, of Kokomo, Ind.

The ground of the decision is that the goods of the respective parties are not of the same descriptive properties.

In his decision, after stating that the important question for determination was whether the goods are of the same descriptive properties since, if they are, the marks are deemed to be confusingly similar, and referring to the decision of the Court of Customs and Patent Appeals in *General Mills, Inc.*, v. *Freed*, 33 U. S. P. Q. 386, and stating that the case was submitted on a stipulation in which it was stated somewhat vaguely that the "fluid fuel-burners, sometimes called heaters, sold by the petitioner, have been employed in connection with the heating of poultry buildings, incubators and greenhouses," the Assistant Commissioner said:

"It fairly appears, however, as stated by the Examiner of Interferences and not denied by petitioner's counsel, 'that petitioner's fuel-burning devices are primarily intended for the heating of dwellings, both large and small, and that petitioner's devices are also used for commercial and industrial heating.' Upon the record before me it must be held that the use of petitioner's heating devices in connection with poultry buildings and incubators has been rare and exceptional.

• • • • • • • •

"In their common and intended use I am convinced that none of petitioner's 'Oil-O-Matic' devices are of the same descriptive properties as oil-burning brooders. Their only similarity to these goods, either in structure or use, resides in the fact that respondent's brooder is heated by means of an oil burner. Respondent's mark is not registered for oil burners, but only for complete brooders of which the burner forms a minor part; and the mere fact that one of its parts may be of the same descriptive properties as petitioner's goods does not render the complete brooder so. *All-American Mohawk Corporation* v. *Rollinson*, 22 C. C. P. A. 1301, 77 Fed.(2d) 926. Moreover petitioner's goods and those of respondent differ widely in price, are sold through different channels of trade, and ordinarily are bought by different classes of purchasers. These are all circumstances that must be given weight in determining the question of probable confusion, and the related question of classification for trade-mark purposes. *Williams Oil-O-Matic Heating Corporation* v. *Westinghouse Electric and Mfg. Co.*, 20 C. C. P. A. 775, 62 F.(2d) 378."

SARATOGA SPRINGS AUTHORITY *v.* OLD FAITHFUL CORPORATION, INC., Opposition No. 14,799.

In a decision rendered May 15, 1937 (159 Ms. Dec. 900), *Assistant Commissioner Frazer* held that Walter Kidde & Co., Inc., as assignee of Old Faithful Corporation, Inc., of Bloomfield, N. J., is not entitled to register the term "Geyser" as a trade-mark for covered syphons and bulbs or capsules for compressed or liquid gas, in view of the prior ownership and use of Saratoga Springs Authority, of Saratoga Springs, N. Y., of the same mark as applied to mineral water.

In his decision, after stating that the only question was whether the goods are of the same descriptive properties and the Examiner of Interferences held that they were not, and stating that if the case were one of first impression he would have no difficulty in agreeing with that holding, the Assistant Commissioner said:

"I am clearly of the opinion, however, that his ruling is in direct conflict with the decision of the Court of Customs and Patent Appeals in the case of *Elgin American Manufacturing Co.* v. *Elizabeth Arden, Inc.*, 23 C. C. P. A. 1153, 83 Fed.(2d) 681. It was there held that bath salts, rouge, sun-tan-oil, talcum powder and perfumes have the same descriptive properties as empty receptacles designed to contain such goods, even though the trade-marks involved were not identical."

Then, after quoting from the decision cited, he said:

"While applicant's goods in the instant case include 'bulbs or capsules for compressed or liquid gas,' I do not think these items have any particular bearing on the question under consideration. Its 'covered syphons' admittedly are siphon bottles, and the term 'siphon bottle' is defined in Webster's New International Dictionary as 'a bottle for holding aerated water.'"

Then, after quoting from the decision of the Examiner of Interferences, he said:

"Applicant took no testimony, and the only indication of the type of bottle with which its mark is used is found in a photograph filed with the application, showing a bottle with some sort of device attached to the top which may or may not be a bulb or capsule for compressed or liquid gas. No particular style of 'covered syphons' is described in the application, and the registration applied for would, if granted, be prima facie evidence of applicant's ownership of the mark disclosed for all types of siphon bottles.

"Opposer's product is an aerated water, which is sold to the Public in bottles carrying opposer's 'Geyser' label. This water is said to have medicinal properties, but it is widely used as a table water, just as would be the water contained in applicant's bottles regardless of how it is placed there. In this situation I think the sale of opposer's water and applicant's bottles under identical trade-marks would be likely to lead to the same sort of confusion as was held to be probable in the Elgin American case, and that the instant case is controlled by the ruling there made."

THE GLOBE BREWING COMPANY *v.* ARROW DISTILLERIES, INC., Cancellation No. 2944.

In a decision rendered May 29, 1937 (159 Ms. Dec. 905), *Assistant Commissioner Frazer* held that Arrow Distilleries, Inc., of Detroit, Mich., is not entitled to register the word "Arrow" as a trade-mark for alcoholic cordials and liqueurs, in view of the prior adoption and use by The Globe Brewing Company, of Baltimore, Md., of the same mark as a trade-mark for beer and that the registration which the Arrow Distilleries, Inc., had obtained should be cancelled.

The ground of the decision is that the marks are of the same descriptive properties.

In his decision, after noting that in *American Brewing Co.* v. *Hercules Products & Distilling Corporation*, 463 O. G. 700, it has been held that gin and beer are of the same descriptive properties, the Assistant Commissioner said:

"• • • if that decision is to be followed a similar ruling must necessarily be made with respect to the goods of the parties in the present case."

Then, after noting respondent's argument that the usual tests applied in opposition proceedings to determine whether goods are of the same descriptive properties are not appropriate in cancellation proceedings, and that a petitioner for cancellation should be required to prove actual injury, if he would prevail, he said:

"I think the argument is untenable. The particular type of proceeding in which merchandise is considered can have no bearing on its classification, nor on the rules by which its descriptive properties are determined. And where, as in the instant case, a petitioner for cancellation alleges and proves that it 'was using its registered mark in interstate commerce at the time its petition for cancellation was filed,' damage will be presumed. *American Cyanamid Co.* v. *Synthetic Nitrogen Products Corporation*, 19 C. C. P. A. 1235, 58 Fed.(2d) 834.

"I agree with respondent that its alcoholic cordials and liqueurs differ greatly from petitioner's beer in many respects; but all are alcoholic beverages, and all are for sale over the same counters to the same general class of purchasers. It is doubtless true that all beer drinkers do not indulge in cordials and liqueurs, but it is likewise true that some probably do. A prospective purchaser of such goods, familiar with petitioner's trade-mark, may readily select those bearing the same mark in the mistaken belief that they are petitioner's products."

EX PARTE UNITED AUTOGRAPHIC REGISTER CO., Serial No. 371,986.

In a decision rendered May 29, 1937 (159 Ms. Dec. 904), *Assistant Commissioner Frazer* held that United Autographic Register Co., of Chicago, Ill., is not entitled to register, under the act of 1905, the notation "Multi-Linkt" as a trade-mark for a strip of continuous form stationery provided with superposed packets of forms having interleaved carbon sheets.

The ground of the decision is that the mark is descriptive of the goods to which it is applied.

In his decision, after noting applicant's argument based upon the structural characteristics of the goods, the Assistant Commissioner said:

"One definitio nof the verb 'link,' found in Webster's New International Dictionary, is 'to join firmly by means of a connecting element.' According to the same authority the combining form 'multi-' means 'consisting of, containing, or having, many.' Applicant's continuous form stationery consists of many individual packets, bound together by means of a connecting element. It thus seems clear that either word standing alone is aptly descriptive of these goods or of their 'character or quality,' and that their combination results in an expression that is equally descriptive."

AMERICAN SALES BOOK COMPANY, LIMITED, *v.* UNITED AUTOGRAPHIC REGISTER CO., Opposition No. 13,417.

In a decision rendered May 29, 1937 (159 Ms. Dec. 906), *Assistant Commissioner Frazer* held that United Autographic Register Company, of Chicago, Ill., is not entitled to register, as a trade-mark for typewriter and continuous-form manifold strips of stationery, a mark consisting of the notation "Speed-o-forms," the letters of which are centered along the shaft of an arrow, in view of the prior adoption and use by American Sales Book Company, Limited, of Elmira, N. Y., of trade-marks including respectively the words "Speedigraph" and "Speediset" for the same goods.

In his decision the Assistant Commissioner said:

"Only two of opposer's marks need be considered, namely, 'Speedigraph' and 'Speediset.' In my opinion either is a bar to the registration of 'Speed-o-forms' for identical merchandise. Recent decisions of the Court of Customs and Patent Appeals which support this view are *Kroger Grocery & Baking Co.* v. *Blue Earth Canning Co.*, 88 Fed.(2d) 725, where 'Country Kist' was refused registration over 'Country Club'; and *Skelly Oil Co.* v. *Powerine Co.*, 86 Fed.(2d) 752, where 'Powermax' was held deceptively similar to 'Powerine.' It is true that the merchandise here involved is purchased with a greater degree of discrimination than would be exercised in connection with the goods to which either of those marks was applied, and that the methods of sale are not the same, but that is not the final test. Where the goods of the parties are alike, and their trade-marks so nearly resemble each other as to be likely to cause confusion in the mind of the public or to deceive purchasers' the statute prohibits registration to the newcomer. Nothing more is required."

He then further said:

"Not only do I think the opposition should have been sustained, but I am clearly of the opinion that applicant's mark should have been denied registration because merely descriptive of the goods with which it is used. These goods are described in the application as 'typewriter and continuous-form manifold strips of stationery.'"

He then, after quoting from the decision of the Examiner of Interferences as to the significance of the term sought to be registered, said:

"The correctness of this statement is not questioned by applicant. On the contrary similar statements occur in applicant's brief, and it is there asserted that 'no trade-mark rights are claimed by applicant in the words 'per se' and none can be claimed by opposer.' There is, however, no disclaimer in the record, and none has been required."

EX PARTE JOSEPH C. GANNON, Serial No. 70,161.

In a decision rendered May 29, 1937 (159 Ms. Dec. 903), *Assistant Commissioner Frazer* held that Joseph C. Gannon, of Marquette, Mich., is not entitled to register a label, since it is lacking in artistic merit.

In his decision the Assistant Commissioner said:

"The label discloses applicant's name and address, his trade-mark, and the word 'Cigarettes'; and in addition thereto, inclosed within quotation marks, the notation 'Little Friends of All the World.' It is upon the strength of this notation, which, according to the brief, 'is the result of artistic or intellectual effort,' that applicant rests his case."

Then, after quoting Rule 29 of the Rules relating to the registration of prints and labels, which defines a registrable label as an artistic and intellectual production, he said:

"I am unable to discern either artistic or intellectual characteristics in the expression 'Little Friends of All the World' as applied to cigarettes. The decisions cited by applicant have been examined, but they are not thought to be in conflict with this view."

RIEGEL PAPER CORPORATION *v.* PORT HURON SULPHITE & PAPER CO., Opposition No. 14,737.

The first paragraph under the above heading in the Bulletin of Trade-Mark Decisions published in the Official Gazette of April 27, 1937 (477 O. G. 771), should read as follows:

In a decision rendered March 20, 1937 (159 Ms. Dec. 868), *Assistant Commissioner Frazer* held that Port Huron Sulphite & Paper Co., of Port Huron, Mich., is entitled to register the term "Flexopaque" as a trade-mark for paper used as a basis for wax coating and wax paper, notwithstanding the prior registration by Riegel Paper Corporation, of New York, N. Y., of the term "Snopaque" for waxed sulphite wrapping paper, since, while the goods are of the same descriptive properties, the marks are deemed to be not so similar that they are likely to cause confusion in the mind of the public and deceive purchasers.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 29, 1937

[VOL. 479. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 386,616. CARTER COAL & DOCK CORPORATION, New York, N. Y. Filed Dec. 10, 1936.

OLGACITE

For Mixtures of Anthracite Coal and a Semi-Bituminous Coal.

Claims use since Oct. 30, 1936.

CLASS 2

Receptacles

Ser. No. 392,701. ODORA COMPANY, INC., New York, N. Y. Filed May 13, 1937.

ODORA-GLIDE

For Paperboard or Corrugated Paperboard Storage Receptacles.

Claims use since Mar. 5, 1937.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 372,991. THE PURE OIL COMPANY, Chicago, Ill. Filed Dec. 23, 1935.

PURE

The word "Pure" is disclaimed apart from the association shown.

For Automobile Top Sealer, Chemically Treated Automobile Polishing, Cleaning, and Dusting Cloths, Top Dressing for Automobiles, Sealing Compound for Automobile Tops, Cleaning Preparations for Glass and Windshields.

Claims use since Feb. 5, 1935.

Ser. No. 390,906. FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 3, 1937.

MilkTone

The word "Milk" is disclaimed apart from the mark.

For Toilet and Bath Soap.

Claims use since Mar. 25, 1937.

Ser. No. 391,072. LOUIS B. KANG, doing business as Ripley Products Company, Los Angeles, Calif. Filed Apr. 8, 1937.



The words "Safe to use!", "Odorless", and "Ringless!" are disclaimed apart from the mark. The representations of the girls' heads are fanciful.

For General Cleanser.

Claims use since Dec. 28, 1936.

Ser. No. 391,540. MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa. Filed Apr. 19, 1937.

KLARENE

For Dry Cleaning Aid to be Added to the Stock Solution and Used in Dry Cleaning Plants for Removing Dirt and Stains from Wearing Apparel.

Claims use since Mar. 3, 1937.

Ser. No. 392,180. W. A. McCALL, doing business as McCall Merchandising Co., Cincinnati, Ohio. Filed May 4, 1937.

Superfoam

For Chemical Cleaner for Rugs, Tapestries, and Fabrics.
Claims use since Sept. 24, 1934.

Ser. No. 392,228. LOS ANGELES SOAP CO., Los Angeles, Calif. Filed May 3, 1937.

Koladol

For Toilet Soap, Soap Chips, Shaving Soap, Brushless Shaving Cream, Tooth Soap, and Granulated Soap.
Claims use since Mar. 4, 1937.

Ser. No. 392,261. HARRY D. CUMMINS, Pasadena, Calif. Filed May 4, 1937.

ECCOLENE

For Furniture Stain Remover.
Claims use since Apr. 5, 1937.

Ser. No. 392,411. EWEN CAMERON, Wellington, New Zealand. Filed May 7, 1937.

TAKT

For Perfumed and Medicinal Soap.
Claims use since Nov. 18, 1936.

CLASS 6

Chemicals, Medicines and Pharmaceutical Preparations

Ser. No. 370,066. W. SHEINKER & SON, INC., New York, N. Y. Filed Oct. 5, 1935.

Holland House

For Bitters for Medicinal Purposes.
Claims use since September, 1922.

Ser. No. 382,940. KURT BOSKAMP, doing business as Firma G. Pold, Danzig-Langfuhr, Free City of Danzig. Filed Sept. 5, 1936.

Gelodurat

For Capsules Containing Medicinal Preparations Namely, Acid Acetylo-Salicyl, Acid Arsenios and Bland's Iron Carbonate, Acid Phenylcinchonin, Aspirine, Balsam of Copaiba, Caffeine, Caffeine Sodio Benzoate, Camphor, Creosote and Codliver Oil, Digitalis Folia Titr., Digitalis Folia and Camphor, Digitalis Folia and Caffeine, Diuretin, Diuretin and Digitalis Folia Titr., Extract of Male Fern, Menthol, Methylene Blue, Mirtol, Oil of Turpentine Rect., Phosphorus, Potassil Jodidum, Quinine Hydrochlorate, Sandalwood Oil, Sandalwood Oil and Resin of Kawa Kawa, and Sodii Jodidum.
Claims use since 1911.

Ser. No. 385,580. H. CLAY GLOVER CO., INC., New York, N. Y. Filed Nov. 16, 1936. Under section 5b of the act of 1905 as amended in 1920.

GLOVER'S

For Capsules to Expel Worms from Dogs, Cats, and Other Animals, Cod Liver Oil Concentrate Tablets, Disinfectant, Flea Powder, and Ointment for the Skin for the Irritations of Eczema, Ringworm, Sarcoptic Mange.
Claims use on capsules to expel worms from dogs, cats, and other animals as early as 1897; on cod liver oil concentrate tablets as early as July, 1934; on disinfectant as early as July, 1934; on flea powder as early as 1928; on ointment for the skin—for the irritations of eczema, ringworm, sarcoptic mange—as early as January, 1932.

Ser. No. 386,850. THE DANTE COMPANY, Philadelphia, Pa. Filed Dec. 17, 1936.

dante

The term "Dante" is disclaimed apart from the mark.
For Moustache Pomade, Facial Creams, Facial Powder, Skin Lotions, and Hair Tonic.
Claims use since Dec. 15, 1936.

Ser. No. 388,544. ROZALEX LIMITED, Manchester, England. Filed Feb. 4, 1937.

ROZALEX

For Cream to be Rubbed into the Hands Before Beginning Work to Prevent Dirt and Grease from Coming in Contact with the Skin and Also for Preventing the Hands from Becoming Chapped.
Claims use since June 11, 1929.

Ser. No. 389,231. THE CLERMONT CHEMICAL CO., Worthington, Ohio. Filed Feb. 23, 1937.

Clermont's

TRIPLE PURPOSE

The words "Triple Purpose" are disclaimed apart from the mark.
For Laxative Compound.
Claims use since Feb. 1, 1937.

Ser. No. 391,387. KLINZMOTH CHEMICAL CORPORATION, New York, N. Y. Filed Apr. 15, 1937.

LIQUID SNOW

For Insecticide.
Claims use since 1934.

Ser. No. 391,428. MOLINARD INC., New York, N. Y. Filed Apr. 16, 1937.

BACCHANTES

For Perfumes.
Claims use since September, 1931.

Ser. No. 391,585. PAUL METADIER, Tours, France. Filed Apr. 20, 1937.

META-VACCIN

The word "Vaccin" is disclaimed apart from the mark.
For Pharmaceutical Preparation in Ointment Form Used in Cases of Microbic Infection.
Claims use since May 18, 1927.

Ser. No. 391,648. METRO OIL INCORPORATED, St. Louis, Mo. Filed Apr. 21, 1937.

CHEMI-SKIN

The word "Skin" is disclaimed apart from the mark.
For Chemical Adherent Material for Protecting the Skin Against Dyes, Oils, Greases, Pigments, and Other Irritating Substances.
Claims use since Mar. 15, 1936.

Ser. No. 391,946. AMERE DRUG COMPANY, INC., New York, N. Y. Filed Apr. 28, 1937.

CODUREA

For Ointment for Treatment of Skin Disease.
Claims use since Mar. 3, 1937.

Ser. No. 391,949. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y. Filed Apr. 28, 1937.

'EMOCIN'

For Medicated Lozenge Intended for Use in the Treatment of Irritative Conditions of the Throat.
Claims use since Mar. 1, 1937.

Ser. No. 391,968. PECORONE, MOLINÉ & CIA., Rosario, Argentina. Filed Apr. 28, 1937.

VIOLAXIL

For Anti-Perspiration and Deodorant Preparation.
Claims use since Apr. 15, 1934.

Ser. No. 391,981. YARDLEY OF LONDON, INC., Union City, N. J. Filed Apr. 28, 1937.

LADIES-IN-WAITING

For Astringent, Astringent Cerate, Bleach Cream, Beauty Cream, Cold Cream, Cleansing Cream, Refreshing Cream, Dry Rouge, Liquid Rouge, Face Bleach, Face Pack, Skin Whitener (Liquid), Skin Whitener (Solid), Skin Whitener Cream, Hand Lotion, Skin Lotion, Pomades, Face Powder, Talcum Powder, Body Powder, Sachet, Hair Elixir, Dandruff Preparation, Hair Tonic, Hair Oil, Shampoo, Bath Salts, Smelling Salts, Lipstick, Nail Cream, Nail Bleach, Nail Powder, Perfume, and Toilet Water.
Claims use since Apr. 19, 1937.

Ser. No. 392,109. SCHERING & GLATZ, INC., New York, N. Y. Filed Apr. 30, 1937.

VEGANINE

For Medicinal Preparation Recommended as a Pain Alleviator.
Claims use since Apr. 16, 1937.

Ser. No. 392,118. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Apr. 30, 1937.

IODOLATE

For Non-Toxic and Non-Escharotic Modified Iodine Antiseptic.
Claims use since Apr. 16, 1937.

Ser. No. 392,119. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Apr. 30, 1937.

ICOLATE

For Non-Toxic and Non-Escharotic Modified Iodine Antiseptic.
Claims use since Apr. 23, 1937.

Ser. No. 392,126. MARK W. ALLEN & CO., Detroit, Mich. Filed May 1, 1937.



For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets,

Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since Dec. 21, 1936.

Ser. No. 392,136. JOHN A. DEVINE, Philadelphia, Pa. Filed May 1, 1937.

John A Devine's
OINTMENT

The facsimile signature is that of applicant. The word "Ointment" is disclaimed apart from the mark.

For Medicinal Preparation for Use in the Treatment of Ringworm, Athlete's Foot, and Other Skin Affections.

Claims use since February, 1937.

Ser. No. 392,149. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed May 1, 1937.

CYCLITON

For Medicinal Preparation Recommended Primarily as a Circulatory and Respiratory Stimulant.

Claims use since Apr. 12, 1937.

Ser. No. 392,191. BEAUTY COUNSELORS, INC., Detroit, Mich. Filed May 3, 1937.

DINNER PARTY

PICK— UP

For Toilet Preparations in the Form of Face Cream and Face Powder.

Claims use since Apr. 10, 1937.

Ser. No. 392,229. LOS ANGELES SOAP CO., Los Angeles, Calif. Filed May 3, 1937.

Koladol

For Cold Cream, Cleansing Cream, Nourishing Cream, Tissue Cream, Vanishing Cream, All Purposes Face Cream, Astringent, Face Powder, Body Powder, Talcum Powder, After Shaving Talc, Face Lotion, Hand Lotion, After Shaving Lotion, Rouge, Lipstick, Eye Shadow, Mascara, Muscle Oil, Bath Salts, Hair Tonic, Hair Wave Lotion, Hair Oil, Nail Polish, Cuticle Remover, Nail Polish Remover, Shampoo, Perfumes, Tooth Paste, and Liniment.

Claims use since Mar. 4, 1937.

Ser. No. 392,231. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed May 3, 1937.

PROMIN

For p-Amino-Benzene-Sulfonamide Used in the Treatment of Streptococcic Infections.

Claims use since Apr. 16, 1937.

Ser. No. 392,236. ALLEN H. RABIN, doing business as The Rabin Company, Los Angeles, Calif. Filed May 3, 1937.

Ruth Rogers

For Toilet Preparations—Namely, Skin Creams, Talc Powder, Hair Tonic, Hair Dye, Hair Dressing Lotion, Perfumes, Lotions, Face Powder, Pomades, Deodorants, Skin Tonic, Emollient Oils; Cosmetics—Namely, Rouge, Lip-stick, Mascara, Eye Shadow; Manicure Preparations—Namely, Nail Polish, Polish Remover, Cuticle Remover.

Claims use since May 1, 1933.

Ser. No. 392,248. ALMON J. WHITE, doing business as White Drug Company, Columbia, Mo. Filed May 3, 1937.

CREIODEN

For Ointment for External Application in Chest Colds, Influenza, Pneumonia, and Other Forms of Inflammation and Congestion.

Claims use since Dec. 1, 1931.

Ser. No. 392,264. EFF LABORATORIES, INC., Cleveland, Ohio. Filed May 4, 1937.

CONCENAY

For Concentrates and Preparations Rich in Vitamin Activity.

Claims use since Apr. 5, 1937.

Ser. No. 392,273. GULF LABORATORIES COMPANY, INC., Lafayette, La. Filed May 4, 1937.

HAPPY DAY

For Headache Powders.

Claims use since Mar. 1, 1937.

Ser. No. 392,277. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed May 4, 1937.

BEROCCA

For Vitamin B Preparation for Medicinal Use.

Claims use since Apr. 8, 1937.

Ser. No. 392,300. YALE PRODUCTS, INC., New York, N. Y. Filed May 4, 1937.

SELZEROIDS

For Antacid for Use in the Treatment of Hyperacidity of the Stomach and as a Neutralizer of Excessive Acid Urine.

Claims use since Apr. 27, 1937.

Ser. No. 392,352. JAMES J. DONNELLY, Omaha, Nebr. Filed May 6, 1937.



FINFOX

For Preparation for Use in the Treatment of the Hair and Scalp.

Claims use since May 3, 1937.

Ser. No. 392,373. ESTHER LAVIN, Chicago, Ill. Filed May 6, 1937.

HIS 'N HER

For Hand Lotion.

Claims use since May 1, 1937.

Ser. No. 392,388. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Filed May 6, 1937.

AMYLOXIN

For Preventive of Decomposition Odors.

Claims use since Apr. 6, 1937.

Ser. No. 392,410. GEORGE BLOCK, New York, N. Y. Filed May 7, 1937.

CLEARZOL

For Skin Cream (Vanishing Cream).

Claims use since May 1, 1937.

Ser. No. 392,413. COLE CHEMICAL COMPANY, Wilmington, Del., and St. Louis, Mo. Filed May 7, 1937.

DOVERPHEN

For Pharmaceutical Preparation for the Treatment of Head Colds and Coughs Due to Colds.

Claims use since Apr. 15, 1937.

Ser. No. 392,437. LOS ANGELES SOAP CO., Los Angeles, Calif. Filed May 7, 1937.

LIPOL

For Hair and Scalp Tonic.

Claims use since Mar. 4, 1937.

Ser. No. 392,456. E. R. SQUIBB & SONS, New York, N. Y. Filed May 7, 1937.

MANDAMON

For Urinary Antiseptics.

Claims use since May 4, 1937.

Ser. No. 392,483. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed May 8, 1937.

HYDRON

For Dyes and Dyestuffs.

Claims use since July 22, 1925.

Ser. No. 392,489. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed May 8, 1937.

GLYEZINE

For Solvent for Dyes.

Claims use since Apr. 17, 1928.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 385,867. THE UNIVERSAL MATCH CORPORATION, St. Louis, Mo. Filed Nov. 21, 1936.

BILLBOARD MATCH

The word "Match" is disclaimed apart from the mark.

For Book-Matches.

Claims use since Sept. 15, 1936.

CLASS 11

Inks and Inking Materials

Ser. No. 392,401. CALIFORNIA INK CO. OF N. Y., INC., New York, N. Y. Filed May 5, 1937.

Heatclik

For Printing Inks and Printing Ink Vehicles.

Claims use since Dec. 8, 1936.

CLASS 12

Construction Materials

Ser. No. 384,943. M AND M WOOD WORKING COMPANY, Portland, Oreg. Filed Oct. 26, 1936.

SEAL'DRITE



The words "Impervious to Water" and "Seal'drite" are disclaimed apart from the mark.
For Water Proof Laminated Wood.
Claims use since Sept. 1, 1936.

Ser. No. 390,500. JOHN GUY BRITTON, Lansdowne, Pa. Filed Mar. 25, 1937.

ATOZ

For Plastic Material in Dry, Liquid, and Rigidly Set Forms, for Construction of Walls, Ceilings, Floors, Panels, and Tiles.
Claims use since Oct. 4, 1936.

Ser. No. 390,570. WHITTIER LUMBER & MILLWORK CO., Newark, N. J. Filed Mar. 26, 1937.

WHIT TRIM LOCK

No claim is made to the word "Trim" apart from the mark.
For Building Trim.
Claims use since July 13, 1936.

Ser. No. 392,395. FRANCIS J STRAUB, New Kensington, Pa. Filed May 6, 1937.

OSTROWELATED

For Building Blocks.
Claims use since Apr. 28, 1937.

CLASS 13

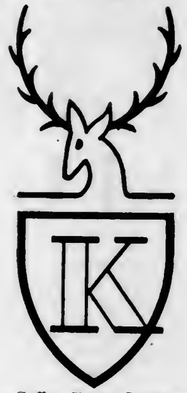
Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 363,257. AMERICAN DISTRICT STEAM COMPANY, North Tonawanda, N. Y. Filed Apr. 1, 1935.

ADSCO

For Steam and Hot Water Line Equipment—Namely, Angle Flanges, Angle Joints, Alignment Guides, Annular Wedges, Anchors, Anchor Bases and Anchor Fittings for Pipe, Flanged Base Fittings, Retaining Devices for Pipe Insulation, Manhole Frames and Covers, Pipe Collars, Pipe Guides and Saddles, Roller-Pipe Supports, Cast Iron Underground Conduits, Single and Double Expansion Joints of All Types for Low and High Pressure Service With and Without Guides and Stops, Packless Expansion Joints Employing Flexible Sealing Members, Meter Manifolds, Low and High Pressure Steam Traps for Pressure and Vacuum Service, Expansion Air Valves, Steam Separators, and Water, Oil, and Steam Strainers; and Vapor Heating Specialties—Namely, Air Eliminators, Graduated Radiator Control Valves, Radiator Traps, Pressure Reducing Valves and Safety Valves, Steam Joint Clamps, Back-Pressure Valves, Ball Joints; and Pipe Fittings for Various Uses—Namely, Branch Fittings, Companion Flanges, Couplings, Crosses, Elbows, Eccentric Fittings, Laterals, Reducers, Pipe Bends—Flanged, Threaded, and Welded.
Claims use since January, 1923.

Ser. No. 374,200. KENSINGTON, INCORPORATED, New Kensington, Pa. Filed Jan. 28, 1936.



For Tea Pots, Coffee Pots, Cocktail Shakers, Serving Plates and Service Plates and Plate Covers, of Base Metal, in the Nature of Gift Ware.
Claims use since Mar. 25, 1935.

Ser. No. 389,912. HARVEY-WHIPPLE, INC., Springfield, Mass. Filed Mar. 11, 1937.

TRIPALATOR

For Oil Burner Atomizers.
Claims use since Jan. 1, 1935.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 392,037. LUDLUM STEEL CO., Watervliet, N. Y. Filed Apr. 29, 1937.

FLEXIMET

For Composite Ferrous Metal Sheets and Strips.
Claims use since Apr. 20, 1937.

Ser. No. 392,584. DOEHLER DIE CASTING CO., New York, N. Y. Filed May 11, 1937.

DOLER-MAG

For Castings Made from Magnesium Base Alloys.
Claims use since Feb. 5, 1937.

CLASS 15

Oils and Greases

Ser. No. 391,431. MOUNTAIN STATE OIL AND SUPPLY CO., Huntington, W. Va. Filed Apr. 16, 1937.



For Machinery and Motor Lubricating Oils and Greases.
Claims use since Nov. 15, 1936.

Ser. No. 391,577. LION OIL REFINING COMPANY, El Dorado, Ark. Filed Apr. 20, 1937.

LION

For Lubricating Oils.
Claims use since Feb. 25, 1937.

CLASS 16

Paints and Painters' Materials

Ser. No. 386,038. G. J. LIEBICH CO., Chicago, Ill. Filed Nov. 27, 1936.

WHITE CRAFT SYSTEM



The word "System" is disclaimed apart from the mark.
For Mixed Paints, Paint Enamels, Lacquers, Varnishes, Stains, and Primers.
Claims use since Nov. 1, 1935.

Ser. No. 390,850. GIVAUDAN-DELAWANNA, INC., New York, N. Y. Filed Apr. 2, 1937.

BARTYL

For Anti-Skinning Agent for Retarding the Development or Formation of Scum or Skin on the Surface of Paints and Varnishes in Their Containers.
Claims use since Feb. 1, 1937.

Ser. No. 391,352. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 14, 1937.

SERO-COTE

The word "Cote" is disclaimed apart from the mark.
For Ready Mixed Paint.
Claims use since Jan. 22, 1936.

Ser. No. 392,158. MICHAEL MCNAMARA VARNISH WORKS, INC., Detroit, Mich. Filed May 1, 1937. Under 10-year proviso.

McNAMARA

For Ready Mixed Paints and Varnishes.
Claims use since 1882.

Ser. No. 392,865. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo. Filed May 17, 1937.

ALL AMERICAN

For Varnish.
Claims use since May 1, 1937.

CLASS 17

Tobacco Products

Ser. No. 391,620. BURTON-MARSHALL CORP., New York, N. Y. Filed Apr. 21, 1937.



The drawing is lined for red and gold. The representation of the label is disclaimed apart from the mark.
For Cigarettes.
Claims use since March, 1936.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 389,724. THE CUSHMAN MOTOR WORKS, Lincoln, Nebr. Filed Mar. 6, 1937.

Auto Glide

For Motor Scooters and Structural Parts Thereof.
Claims use since Nov. 2, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 383,426. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y. Filed Sept. 19, 1936.

NOISELESS DICTOGRAPH RADIO

Applicant disclaims the word "Noiseless" apart from the words "Dictograph Radio" and the word "Radio" apart from the words "Noiseless Dictograph".

For Radio Receiving Sets, Radio Receiving Sets Combined with Audible Signal Making Attachments and Audible Signal Making Attachments for Radio Receiving Sets.

Claims use since Sept. 15, 1936.

Ser. No. 391,110. J. M. BREGSTONE, Chicago, Ill. Filed Apr. 9, 1937.

COLOR-GLOW

The drawing is lined for shading.

For Radio Receiving Sets and Parts Thereof.

Claims use since Mar. 24, 1937.

Ser. No. 391,205. COMUN-A-PHONE SYSTEMS, INC., Newark, N. J. Filed Apr. 12, 1937.

COMUN-A-PHONE

The word "Phone" is disclaimed apart from the mark.

For Speaker-Transmitters for Telephonic Interoffice Communicating Systems.

Claims use since June 1, 1936.

Ser. No. 392,142. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 1, 1937.

GENERAL

Applicant claims ownership of U. S. trade-mark registrations Ct. #114,963 issued Jan. 16, 1917; Ct. #152,068 issued Feb. 14, 1922, and Ct. #200,009 issued June 23, 1925.

For Automobile and Radio Storage Batteries.

Claims use since Oct. 15, 1913.

Ser. No. 392,237. RCA MANUFACTURING COMPANY, INC., Camden and Harrison, N. J. Filed May 3, 1937.

ACORN

For Electron Discharge Tubes for Use at Short Wave Lengths.

Claims use since 1934.

Ser. No. 392,265. ELECTRO-ACOUSTIC PRODUCTS COMPANY, Fort Wayne, Ind. Filed May 4, 1937.

Veloci-Dyne

For Microphone for Electrical Sound Device.

Claims use since Mar. 12, 1937.

Ser. No. 392,365. FINLAY STRAUS, INC., New York, N. Y. Filed May 6, 1937.

Tone Master

For Radio Receiving Sets and Parts Thereof.

Claims use since Oct. 14, 1934.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 389,309. DORADO OPERATING COMPANY, INC., Philadelphia, Pa. Filed Feb. 24, 1937.

WRITE'EM and BEAT'EM

For Blanks for a Game of Chance.

Claims use since Dec. 15, 1936.

Ser. No. 392,381. EDWARD T. MCNANEY, doing business as The Modern Games Mfg. Co., Catonsville, Md. Filed May 6, 1937.

PIC-A-PAC

For Card Games.

Claims use since Apr. 30, 1937.

Ser. No. 393,072. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed May 21, 1937.

BLUE STREAK

For Coin-Controlled Amusement Apparatus.

Claims use since Apr. 5, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 388,367. ARMANDO OSES, Buenos Aires, Argentina. Filed Jan. 30, 1937.

LA PERDIZ

For Stocks and Dies, Scythes, Sickles, Trowels, Axes, Picks, Spades and Shovels, Chisels, Gouges, Mortising Chisels, Plug Bits and Borers, Saws in General, Carpenters' Scrapers, Hammers, Tool Grinding Machines, Saw Setting Machines, Pruning Shears, Shearing Clippers, Screw-Drivers, Cold Chisels, Punches, Pliers, Pinchers, Adzes, Countersinks, Knives in General, Cutlasses, Files, Wrenches, Drills in General, Carpenters' Plane Irons, Wire Cutters, Painters' Knives, Piercing and Boring Machines, Carpenters' Presses, Tinmans' Shears, and Scissors.

Claims use since Sept. 27, 1935.

Ser. No. 392,204. ELGIN RAZOR CORPORATION, Chicago, Ill. Filed May 3, 1937.

MAJESTIC DRY SHAVER

The words "Dry Shaver" are disclaimed apart from the mark.

For Electric Razors.

Claims use since Apr. 1, 1937.

Ser. No. 392,205. ELGIN RAZOR CORPORATION, Chicago, Ill. Filed May 3, 1937.

MONARCH DRY SHAVER

The words "Dry Shaver" are disclaimed apart from the mark.

For Electric Razors.

Claims use since Apr. 1, 1937.

Ser. No. 392,398. TRIANGLE MECHANICAL LABORATORIES, INC., New York, N. Y. Filed May 6, 1937.

MEDICO

For Safety Razor Blades.

Claims use since Aug. 14, 1934.

Ser. No. 392,468. K. I. WILLIS CORPORATION, Moline, Ill. Filed May 7, 1937.



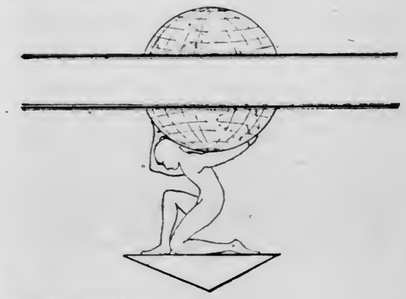
For Elevator Cups.

Claims use since Dec. 1, 1923.

CLASS 25

Locks and Safes

Ser. No. 392,121. ATLAS KEY CO., Cleveland, Ohio. Filed Apr. 27, 1937.



For Key Blanks.

Claims use since Mar. 20, 1937.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 390,808. PHOTO MARKETING CORPORATION, New York, N. Y. Filed Apr. 1, 1937.

SUPER BALDINA

For Cameras and Parts Thereof Including Lenses, Sensitized Photographic Plates and Films, Photographic Camera Tripods, and Camera Plate Holders.

Claims use since Nov. 2, 1936.

Ser. No. 391,017. ASKANIA REGULATOR COMPANY, Chicago, Ill. Filed Apr. 7, 1937.

ASKANIA CHICAGO

For Mechanical, Pneumatic, Hydraulic, and Electrical Measuring and Control Apparatus and Instruments to Supervise and Control Physical Conditions Such as Pressure, Velocity, Flow, Mixtures, Temperatures, Combustion, Steam Generation and Gas Production and Distribution, Such Apparatus Being Designed for Both Scientific Uses and in Industrial Plants.

Claims use since Feb. 15, 1937.

Ser. No. 391,250. TOLEDO SCALE MANUFACTURING COMPANY, Toledo, Ohio. Filed Apr. 12, 1937.

TOLEDO PLASKON

Applicant is owner of T. M. Reg. Nos. 330,376, 141,301, 201,805, 247,718, and 248,539.
For Weighing Scales.
Claims use since July 26, 1935.

CLASS 27

Horological Instruments

Ser. No. 390,360. FILMETER COMPANY, New York, N. Y. Filed Mar. 22, 1937.

FILMETER

For Stop Watches.
Claims use since Dec. 10, 1935.

CLASS 31

Filters and Refrigerators

Ser. No. 392,795. GIBSON ELECTRIC REFRIGERATOR CORPORATION, Greenville, Mich. Filed May 15, 1937.

HYLUX

For Refrigerators.
Claims use since Mar. 29, 1937.

CLASS 32

Furniture and Upholstery

Ser. No. 390,594. GLOBE PARLOR FURNITURE CO., High Point, N. C. Filed Mar. 27, 1937.

COLONY COURT

For Upholstered Sofas, Armchairs, Rocking Chairs, Occasional Chairs, Wing Chairs, and Love Seats.
Claims use since Jan. 18, 1937.

Ser. No. 390,804. NEW ENGLAND BEDDING COMPANY, Medford, Mass. Filed Apr. 1, 1937.

PULL-O-MATIC

For Studio Divans.
Claims use since November, 1935.

Ser. No. 392,200. GUY W. DAVIS, doing business as Guyco, Los Angeles, Calif. Filed May 3, 1937.

TROUSADOR

For Garment Display Racks, Cabinets, and Parts Therefor.
Claims use since Apr. 26, 1937.

Ser. No. 392,394. STAKMORE CO., INC., New York, N. Y. Filed May 6, 1937.

STAKMORE

For Chairs and Tables.
Claims use since Apr. 1, 1922 on chairs and since Sept. 1, 1924 on tables.

Ser. No. 392,420. EVANS PRODUCTS COMPANY, Detroit, Mich. Filed May 7, 1937.

Evanetian

For Slats for Venetian Blinds.
Claims use since Jan. 30, 1937.

CLASS 33

Glassware

Ser. No. 384,974. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Oct. 30, 1936.



The words "Glass Art" are disclaimed apart from the mark.
For Table Ware—Namely, Console Sets, Each Comprising Candelabra and a Center Piece; Dressing Table Sets, Including Toilet Bottles, Powder Boxes, and Trays; Bathroom Sets, Including Bottles and Trays; and Infant Nursery Sets, Including Jars and Trays.
Claims use since Nov. 26, 1934.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 383,302. THE FLOYD-WELLS COMPANY, Royersford, Pa. Filed Sept. 16, 1936. Under 10-year proviso.

Bengal
AMERICA'S BEST

For Heating and Cooking Stoves, Ranges, and Heating Furnaces Using Coal, Oil, or Gas as a Fuel.
Claims use since Feb. 1, 1889.

Ser. No. 389,988. THE HOTSTREAM HEATER COMPANY, doing business as Pioneer Heater Company, Cleveland, Ohio. Filed Mar. 12, 1937.

Pioneer

For Gas Water Heaters.
Claims use since June, 1925.

CLASS 36

Musical Instruments and Supplies

Ser. No. 388,564. CONTINENTAL MUSIC COMPANY, Chicago, Ill. Filed Feb. 5, 1937.

A. Lelandais

The mark is a facsimile signature of A. Lelandais of Ivry la Bataille, (Eure) France.
For Reeds and Mouthpieces for Musical Instruments.
Claims use since Sept. 1, 1936.

CLASS 37

Paper and Stationery

Ser. No. 379,357. SANTA CLAUS REMAILING CORPORATION, Bloomington, Ind. Filed June 5, 1936.



The drawing is lined for red and green.
For Envelopes and Enclosing Wrappers.
Claims use since May 1, 1936.

Ser. No. 386,231. THE UNION PAPER & TWINE COMPANY, Cleveland, Ohio. Filed Nov. 25, 1936.

UNICO

For Manifold Paper and Wrapping Paper.
Claims use since Jan. 1, 1914.

CLASS 38

Prints and Publications

Ser. No. 389,417. HEARST PUBLICATIONS, INCORPORATED, Los Angeles, Calif. Filed Feb. 26, 1937.

IT'S IN THE EXAMINER.

For News Column in a Newspaper, Published from Time to Time.
Claims use since July 15, 1936.

Ser. No. 390,951. CORONET, INC., Chicago, Ill. Filed Apr. 5, 1937.

CORONET

"INFINITE RICHES IN A LITTLE ROOM"
For Magazines Issued Monthly.
Claims use since July 7, 1936.

Ser. No. 391,263. HANS LUDWIG BÖHM, London, England. Filed Apr. 13, 1937.

FANFARE

For Periodical Printed Publication.
Claims use since Nov. 23, 1936.

Ser. No. 391,790. HEARST PUBLICATIONS, INCORPORATED, Los Angeles, Calif. Filed Apr. 22, 1937.

Giant of Journalism

For Newspaper Published from Time to Time.
Claims use since Apr. 4, 1937.

Ser. No. 391,819. JOSEPH FRANKLIN MONTAGUE, New York, N. Y. Filed Apr. 24, 1937.

Presumers Research

For Column Devoted to Health and Scientific News Items to be Published from Time to Time in Various Publications.
Claims use since Mar. 15, 1936.

Ser. No. 391,854. DELL PUBLISHING COMPANY, INC., New York, N. Y. Filed Apr. 26, 1937.

FOTO

For Periodicals Published Bi-Monthly.
Claims use since Mar. 10, 1937.

Ser. No. 392,001. ADVERTISING DISPLAYS PUBLISHING CO., Chicago, Ill. Filed Apr. 27, 1937.

ADVERTISING DISPLAYS

For Periodical.
Claims use since Feb. 27, 1937.

Ser. No. 392,035. LEA & FEBIGER, Philadelphia, Pa. Filed Apr. 29, 1937.

THE
AMERICAN JOURNAL OF
THE MEDICAL SCIENCES

For Monthly Magazine.
Claims use since March, 1820.

Ser. No. 392,171. TEXTILE AGE, INC., New York, N. Y. Filed May 1, 1937.

TEXTILE AGE

For Periodicals.
Claims use since Apr. 19, 1937.

Ser. No. 392,325. INTERNATIONAL PHOTO-ENGRAVERS' UNION OF NORTH AMERICA, St. Louis, Mo. Filed May 5, 1937.

I.P.E.U.

For Photoengravings, Pamphlets, and Periodicals (Published Monthly).
Claims use since December, 1905.

CLASS 39

Clothing

Ser. No. 374,599. NEGRIN & CHIPRUT, INC., New York, N. Y. Filed Feb. 7, 1936.

Paradise

For Ladies' Wash Frocks.
Claims use since 1928.

Ser. No. 380,255. S. AUGSTEIN & Co., College Point, N. Y. Filed June 26, 1936.

SACONY SKEERS

For Ladies', Children's, and Men's, Sweaters and Woolen Dresses; Women's Suits, Snow-Suits, Mufflers, Caps, and Fabric Gloves.
Claims use since about June 1, 1936.

Ser. No. 388,115. BAY STATE MFG. CO., INC., Boston, Mass. Filed Jan. 25, 1937.



The words "Frocks" and "By Bay State" are disclaimed.
For Women's Dresses and Frocks.
Claims use since Mar. 1, 1934.

Ser. No. 389,533. THE STROUSS-HIRSHBERG CO., Youngstown, Ohio. Filed Mar. 1, 1937.

Broadcrest

For Men's Suits, Top Coats, Overcoats, Hats, Dress, Negligee, and Work Shirts, Pajamas, Neckties, Cravats, Mufflers; Shoes and Slippers of Leather, Rubber, and Fabric, and Combinations Thereof; Leather Coats, Socks, Sport or Polo Shirts, Lumberjackets, and Underwear; Women's Suits; Shoes of Leather, Rubber, and Fabric, and Combinations Thereof; Coats, Dresses, and Sport Apparel—Namely, Sweaters, Skirts, Ski Suits, Sport Hose, Bathing Suits, Bathing Slippers, Beach Robes, and Gloves of Leather and Fabric.
Claims use since Oct. 31, 1936.

Ser. No. 390,003. THE PEERLESS SMOKING JACKET CO. INC., New York, N. Y. Filed Mar. 12, 1937.

BUDLEIGH

For Lounging Robes and Bath Robes, Pajamas, Lounge Suits; Jackets for Men, Women, and Children; Slacks for Men, Women, and Children; Sportswear, Viz., Sweaters, Coats, Knickers, Bathing Suits, Shorts for Men and Women.
Claims use since Feb. 10, 1937.

Ser. No. 390,081. JAMES E. MORRISON, JR., doing business as Detroit Needle Products Co., Detroit, Mich. Filed Mar. 15, 1937.

Workette

Women's Uniforms for Factory Work.
Claims use since Feb. 9, 1937.

Ser. No. 390,085. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio. Filed Mar. 15, 1937.

Delamere

For Women's and Misses' Coats and Suits.
Claims use since Sept. 30, 1932.

Ser. No. 390,548. FRANKLIN SHOPS, INC., Hempstead, N. Y. Filed Mar. 26, 1937.

Islander

For Hosiery.
Claims use since Mar. 1, 1937.

Ser. No. 390,609. MAX ROSENFELD, Brooklyn, N. Y. Filed Mar. 27, 1937.



The words "Exclusive Fabric" are disclaimed apart from the mark.
For Men's Coats and Suits, and Ladies' Coats, Suits, and Dresses.
Claims use since Feb. 8, 1937.

Ser. No. 390,979. WOLFSON & GREENBAUM, INC., New York, N. Y. Filed Apr. 5, 1937.



The portrait and name are those of an imaginary individual known to applicant's trade as "Jane Stetson". The words "Tailored By" are disclaimed apart from the mark.
For Ladies' and Misses' Dresses and Blouses.
Claims use since June 1, 1936.

Ser. No. 391,330. ROBERT LOUIS LYON, Paris, France. Filed Apr. 14, 1937.

ROLYO

For Socks and Stockings for Men, Women, and Children.
Claims use since Jan. 8, 1937.

Ser. No. 391,345. HENRY ROSE STORES, INC., New York, N. Y. Filed Apr. 14, 1937.

June Rose

For Dresses for Women, Misses, and Children.
Claims use since Mar. 18, 1937.

Ser. No. 391,635. ERNEST GEHRMANN, doing business as E. Gehrmann & Co., New York, N. Y. Filed Apr. 21, 1937.



The words "Brand" and "Handkerchiefs" are disclaimed apart from the mark.
For Handkerchiefs.
Claims use since Apr. 5, 1937.

Ser. No. 391,641. ALFRED KOHLBERG, INC., New York, N. Y. Filed Apr. 21, 1937.

KOHLKERCHIEFS

For Handkerchiefs.
Claims use since 1930.

Ser. No. 391,727. WITCHELL-SHEILL CO., Chicago, Ill. Filed Apr. 22, 1937.



For Shoes Formed of Leather, Fabric, and Combinations of the Same.
Claims use since August, 1936.

Ser. No. 391,738. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Apr. 23, 1937.

BONNE MAID

For Maids' Uniforms and Aprons.
Claims use since Mar. 25, 1937.

Ser. No. 391,754. FRUHAUF & MUSYL, INC., Carlstadt, N. J. Filed Apr. 23, 1937.

NEOTRIST

For people who stay young

The words "For People Who Stay Young" are disclaimed apart from the mark.
For Ladies' Hats.
Claims use since Apr. 10, 1937.

Ser. No. 391,766. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Apr. 23, 1937.



For Men's and Boys' Outer Clothing—Namely, Suits, Topcoats, and Overcoats.
Claims use since 1904.

Ser. No. 391,780. THE SELBY SHOE CO., Portsmouth, Ohio. Filed Apr. 23, 1937.

ACTIVE MODERNS

For Women's Shoes of Leather and Fabric and a Combination of These Materials.
Claims use since Mar. 10, 1937.

Ser. No. 391,850. COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed Apr. 26, 1937.

"HORSESHOE" COLLAR

The word "Collar" is disclaimed apart from the mark.
For Men's, Boys', and Children's Outer Garments, Consisting of Coats, Vests, Pants, and Trousers, and Overcoats.
Claims use since Feb. 1, 1937.

Ser. No. 391,880. PORTIS BROS. HAT CO., Chicago, Ill. Filed Apr. 26, 1937.

GIMBEL
SINCE 1865

For Hats and Caps for Men, Women, Boys, Girls, and Children.
Claims use since 1863.

Ser. No. 391,887. RAYMOND R. RATCLIFF, doing business as Ratcliff Products & Sales Co., Columbus, Ohio. Filed Apr. 26, 1937.

TRIP-A-LONG TRED

The word "Tred" is disclaimed except as shown.
For Shoes Made of Leather, Fabric, or a Combination of These Materials, and Parts Thereof—Namely, Insoles, Sock Linings, Cushions, and Pads Used in the Manufacture of a Shoe or Inserted in a Completed Shoe.
Claims use since Mar. 25, 1937.

Ser. No. 391,921. MCCARTHY HATS, INC., New York, N. Y. Filed Apr. 27, 1937.

Crocker-Sak

For Ladies' and Misses' Hats.
Claims use since Mar. 1, 1937.

Ser. No. 391,966. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 28, 1937.



Consists of a gray triangular area extending rearwardly from the point of the toe of the stocking. The representation of the stocking forms no part of the mark.
For Men's, Women's, and Children's Hosiery.
Claims use since Apr. 4, 1937.

Ser. No. 392,039. MARVEL MAID GARMENT CO., Lima, Ohio. Filed Apr. 29, 1937.

NIGHT-BEAMS

For Ladies' and Children's Pajamas, Nightgowns, Kimonos, and Underwear.
Claims use since Mar. 6, 1937.

Ser. No. 392,063. CHARLES A. WOOD, New York, N. Y. Filed Apr. 29, 1937.



The words "Hats" and "Felt Texture" are disclaimed apart from the mark.
For Men's Hats.
Claims use since Apr. 20, 1937.

Ser. No. 392,145. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed May 1, 1937.

East n' West

For Hats for Men.
Claims use since Apr. 19, 1937.

Ser. No. 392,252. BONWIT TELLER, INC., New York, N. Y. Filed May 4, 1937.

"Midriff"

For Women's and Misses' Dresses, Coats, Suits, Corsets, Girdles, Slips, Brassières, Panties, Bloomers, and Petticoats.
Claims use since February, 1937.

Ser. No. 392,320. FRUHAUF & MUSYL, INC., Carlstadt, N. J. Filed May 5, 1937.

"TAKE THE AIR"

For Ladies' Hats.
Claims use since Apr. 20, 1937.

Ser. No. 392,495. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed May 8, 1937.

AEROLUX

For Men's and Boys' Top Coats, Overcoats and Suits, Comprising Coats, Vests, and Trousers.
Claims use since Feb. 18, 1937.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 391,683. THE BOYE NEEDLE COMPANY, Chicago, Ill. Filed Apr. 22, 1937.

CABLEKNIT

For Knitting Pins or Needles for Hand Use.
Claims use since May 28, 1936.

Ser. No. 391,684. THE BOYE NEEDLE COMPANY, Chicago, Ill. Filed Apr. 22, 1937.

Jewel

For Knitting Pins or Needles for Hand Use.
Claims use since Apr. 27, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 391,282. LOUIS MINTZ, doing business as Supertex Manufacturing Company, New York, N. Y. Filed Apr. 13, 1937.

Super-TEX

For Mattress Covers, Quilt Covers, Sheets, Pillow Cases, Ironing Board Covers, Day Bed and Studio Covers, and Bed Spreads.
Claims use since Feb. 1, 1935.

Ser. No. 391,357. A. STEINAM CO., INC., New York, N. Y. Filed Apr. 14, 1937.

SHAN-LIN

For Cotton, Linen, and Rayon Piece Goods.
Claims use since Feb. 15, 1937.

Ser. No. 392,239. THE H. M. SAWYER & SON COMPANY, Cambridge, Mass. Filed May 3, 1937.



The word "Cloth" is disclaimed.
For Piece Goods of Cotton, Cotton Mixture, Wool, and Rayon.
Claims use since Oct. 27, 1936.

Ser. No. 392,294. BERNHARD ULMANN CO. INC., New York, N. Y. Filed May 4, 1937.

BOILTEX

For Cotton Piece Goods, Stamped or Otherwise Prepared and Intended as Foundation Material for Art Needlework Products Such as Pillow Cases, Sheets, Bedspreads, Tablecloths, Napkins, Scarfs, or Articles of Wearing Apparel.
Claims use since Apr. 22, 1937.

Ser. No. 392,321. GOODALL WORSTED CO., Sanford, Maine. Filed May 5, 1937.

Sanvale

For Piece Goods Made from Combinations of Mohair, Cotton, Wool, Alpaca, Camel-Hair, Silk, and Artificial Silk, Also Woolen, Cotton, Mohair, and Plus Piece Goods.
Claims use since June 24, 1920.

Ser. No. 392,376. MALLINSON FABRICS CORPORATION, New York, N. Y. Filed May 6, 1937.

Mal-A-Top

For Piece Goods Made of Silk and Synthetic Yarns.
Claims use since April, 1930.

Ser. No. 392,377. MALLINSON FABRICS CORPORATION, New York, N. Y. Filed May 6, 1937.

Theme Song

For Silk Piece Goods and Piece Goods Made of Silk and Synthetic Yarns.
Claims use since April, 1930.

Ser. No. 392,379. MALLINSON FABRICS CORPORATION, New York, N. Y. Filed May 6, 1937.

Mall-O-Shan

For Piece Goods Made of Silk and Synthetic Yarns.
Claims use since March, 1937.

Ser. No. 392,380. MALLINSON FABRICS CORPORATION, New York, N. Y. Filed May 6, 1937.

Mall-O-Vel

For Piece Goods and Pile Fabrics Made of Silk and Synthetic Yarns.
Claims use since August, 1936.

Ser. No. 392,435. LONDON, MIDLAND & SCOTTISH IMPORTS, LTD., New York, N. Y. Filed May 7, 1937.

Glenthistle

For Woolen and Tweed Piece Goods.
Claims use since Jan. 1, 1937.

CLASS 43

Thread and Yarn

Ser. No. 389,484. "SNIA-VISCOSA" SOCIETÀ NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA, Milan, Italy. Filed Feb. 27, 1937.



For Thread and Yarns Obtained From Artificial Fibers or Artificial Fibers Mixed With Natural Textile Fibers.
Claims use since Jan. 1, 1937.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 380,238. THERMAL SYNDICATE, LTD., Wallsend on Tyne, England, and Brooklyn, N. Y. Filed June 25, 1936.



No claim is made to the representation of the goods or to the words "Ultra Violet Home Unit".
For Ultra-Violet Irradiation Apparatus for Home Use.
Claims use since Dec. 1, 1935.

Ser. No. 390,325. EDWARD J. KORITZER, doing business as Southern Dental Laboratory, Baltimore, Md. Filed Mar. 20, 1937.



For Lingual Bars, Porcelain Jackets, Porcelain Bridges, Crowns, Facings, Inlays, Gold Bases, Partial Dentures and Clasps, Bent Wire Partials, and Full Dentures.
Claims use since Feb. 5, 1937.

Ser. No. 391,645. CURTIS I. MCCLENATHEN, Akron, Ohio. Filed Apr. 21, 1937.

CosmoRay

The word "Ray" is disclaimed apart from the mark.
For Therapeutic Appliances.
Claims use since Feb. 12, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 388,921. DAVID G. EVANS COFFEE COMPANY, St. Louis, Mo. Filed Feb. 15, 1937.

OLD JUDGE

For Syrups for Flavoring Beverages and for Soft Drinks.
Claims use since 1930.

Ser. No. 390,648. GRANDPA BRANDS COMPANY, Cincinnati, Ohio. Filed Mar. 29, 1937.

GRANDPA'S



Fizz-ade

The picture is fanciful.
For Carbonated Soft Drink Concentrates.
Claims use since Jan. 4, 1937.

Ser. No. 390,649. GRANDPA BRANDS COMPANY, Cincinnati, Ohio. Filed Mar. 29, 1937.

GRANDPA'S
Fizz-ade

For Carbonated Soft Drink Concentrates.
Claims use since Jan. 4, 1937.

Ser. No. 390,783. EVER READY LABORATORIES, Springfield, Mass. Filed Apr. 1, 1937.

LEMEL

For Flavoring Materials in Powdered Form for Beverages.
Claims use since Jan. 15, 1927.

Ser. No. 391,063. D. VINCENT FRUGOLI, San Francisco, Calif. Filed Apr. 8, 1937.



The words "Effervescent Vichy Mineral Water" are disclaimed apart from the mark.
For Natural Mineral Water.
Claims use since Feb. 1, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 377,975. JACOB DOLD PACKING CO., Buffalo, N. Y. Filed May 4, 1936.

STREAMLINE

For Hams and Dried Beef.
Claims use since July 25, 1935.

Ser. No. 381,331. WARREN BAKING COMPANY, doing business as Butter-Krust Bakers, Warren, Pa. Filed July 22, 1936.



Trade-mark consists of borders, one on each side of the wrapper. Each border has a fringe of parallel lines which join a marginal portion having one edge serrated and the other checkered.
For Bread.
Claims use since Feb. 7, 1936.

Ser. No. 383,172. ETHEL LIMOUZE, Weehawken, N. J. Filed Sept. 12, 1936.



The words "Concentrated" and "Health Food for Dogs" are disclaimed apart from the mark.
For Prepared Food for Dogs.
Claims use since August, 1935.

Ser. No. 384,411. A/S EINAR HAUSVIK & Co., Bergen, Norway. Filed Oct. 16, 1936.



The words "Brand", "Smoked Norwegian Sild Sardines in Pure Virgin Olive Oil", "Packed by", "Bergen, Norway", apart from the mark are disclaimed. The words "Net weight 3¾ oz." are disclaimed.

For Canned Foods and Particularly Sardines.

Claims use since Oct. 23, 1926 for mark as shown; since 1912 for the word "Tiller."

Ser. No. 388,718. PAUL LA PLANT, Anoka, Minn. Filed Feb. 10, 1937.

SQUARE 5M MEAL

The word "Meal" is disclaimed apart from the mark.

For Dog Feed, Fox Feed, Cat Feed, and Fish Feed.

Claims use since Dec. 21, 1936.

Ser. No. 389,310. WILLIAM FAEHNDRICH, INC., New York, N. Y. Filed Feb. 24, 1937.



The words "Brand" and "Product" are disclaimed apart from the mark.

For Cheese.

Claims use since Sept. 15, 1936.

Ser. No. 389,370. NEW FOODS, INC., Chicago, Ill. Filed Feb. 25, 1937.

NU-KORN

For Candy.

Claims use since Feb. 19, 1937.

Ser. No. 390,140. SMITH-THORNBURG INC., Phoenix, Ariz. Filed Mar. 16, 1937.

SUN KING

For Fresh Vegetables and Melons.

Claims use since Feb. 22, 1937.

Ser. No. 390,316. GOLDEN GATE PLANTING & MFG. CO. INC., Union and Sunshine, La. Filed Mar. 20, 1937.

GOLDEN GATE

For Table and Cooking Syrups.

Claims use since 1890.

Ser. No. 390,538. YOUR LUNCH BAR, INC., New York, N. Y. Filed Mar. 25, 1937.

CHEESEBURGER

For Prepared Sandwiches.

Claims use since October, 1919.

Ser. No. 390,638. MATIAS DE LLANO, Laredo, Tex. Filed Mar. 29, 1937.

MEX-AJO

For Garlic in its Natural State.

Claims use since December, 1936.

Ser. No. 390,674. SCHUTTER CANDY COMPANY, Chicago, Ill. Filed Mar. 29, 1937.

BILL BOARDS

For Candy.

Claims use since Jan. 20, 1937.

Ser. No. 390,854. THE F. T. JAMES COMPANY, LTD., Toronto, Ontario, Canada. Filed Apr. 2, 1937.

SALMON SNACKS

The word "Salmon" is disclaimed apart from the mark as shown.

For Cooked Fish.

Claims use since Oct. 27, 1914.

Ser. No. 391,050. E. J. BRACH & SONS, Chicago, Ill. Filed Apr. 8, 1937.

HONEY QUEENS

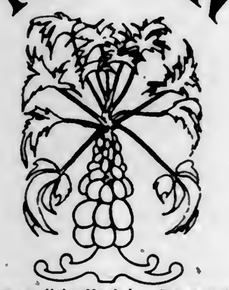
The word "Honey" is disclaimed apart from the mark.

For Candies.

Claims use since Feb. 6, 1937.

Ser. No. 391,085. THE PAPAYA FARM, Daytona Beach, Fla. Filed Apr. 8, 1937.

PAPAYN



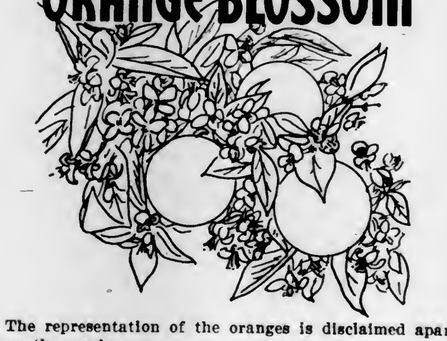
The word "Papayn" is disclaimed apart from the mark.

For Powdered Papaya.

Claims use since Feb. 15, 1937.

Ser. No. 391,490. REDLANDS MUTUAL ORANGE ASSOCIATION, Redlands, Calif. Filed Apr. 17, 1937.

ORANGE BLOSSOM



The representation of the oranges is disclaimed apart from the mark.

For Fresh Citrus Fruit.

Claims use since September, 1912.

Ser. No. 391,551. MAURICE H. ROSENBERG, doing business as Burmont Products Co., New York, N. Y. Filed Apr. 19, 1937.

BURMONT

B P

For Coffee.

Claims use since Apr. 14, 1937.

Ser. No. 391,726. WESTERN MILLING CO., Pendleton, Oreg. Filed Apr. 22, 1937.

XPANDO

For Wheat Flour.

Claims use since May 3, 1927.

Ser. No. 391,863. WO HOP, Hong Kong, China. Filed Apr. 26, 1937.

合和

The English equivalents of the Chinese characters are "Wo Hop", which mean "peaceful unity".

For Tea.

Claims use since 1894.

Ser. No. 391,979. V. FRANK WARD, Hollandale, Minn. Filed Apr. 28, 1937.

MAPLE ISLAND

For Potatoes.

Claims use since September, 1932.

Ser. No. 392,011. THE ESMERALDA CANNING CO., Circleville, Ohio. Filed Apr. 29, 1937.



The portrait is fanciful.
For Canned Potatoes.
Claims use since Nov. 6, 1936.

Ser. No. 392,012. THE ESMERALDA CANNING CO., Circleville, Ohio. Filed Apr. 29, 1937.



The portrait is fanciful.
For Canned Spinach.
Claims use since Nov. 6, 1936.

Ser. No. 392,013. THE ESMERALDA CANNING CO., Circleville, Ohio. Filed Apr. 29, 1937.



The portrait is fanciful.
For Canned Corn.
Claims use since Nov. 6, 1936.

Ser. No. 392,014. THE ESMERALDA CANNING CO., Circleville, Ohio. Filed Apr. 29, 1937.



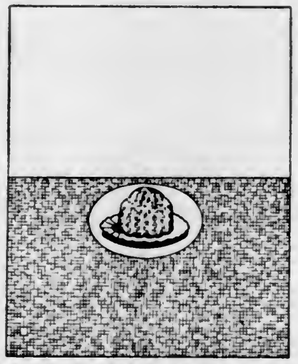
The portrait is fanciful.
For Canned Succotash.
Claims use since Nov. 6, 1936.

Ser. No. 392,054. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Apr. 29, 1937.



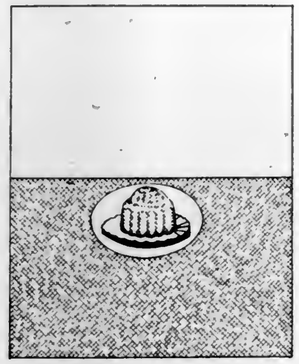
The drawing is lined for the color green, which is particularly claimed as a feature of the mark.
For Gelatin Dessert.
Claims use since Dec. 4, 1936.

Ser. No. 392,055. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Apr. 29, 1937.



The drawing is lined for the color yellow which is particularly claimed as a feature of the mark.
For Gelatin Dessert.
Claim use since Dec. 4, 1936.

Ser. No. 392,056. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Apr. 29, 1937.



The drawing is lined for the color orange which is particularly claimed as a feature of the mark.
For Gelatin Dessert.
Claim use since Dec. 4, 1936.

Ser. No. 392,090. CRAFTON MUTUAL ORCHARDS, Mentone, Calif. Filed Apr. 30, 1937.

BESTWON

For Fresh Citrus Fruits.
Claims use since January, 1924.

Ser. No. 392,127. ALLEN & SMITH COMPANY, INC., Richmond, Va. Filed May 1, 1937.

PEANUTEERS

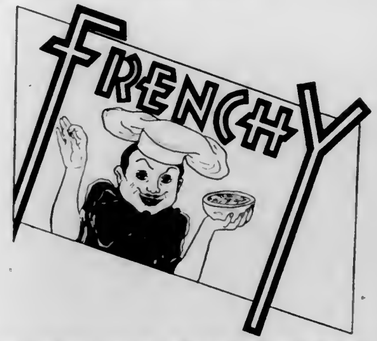
For Candy and Salted Peanuts.
Claims use since Apr. 6, 1937.

Ser. No. 392,130. BRIGHT BISCUIT COMPANY, Kansas City, Mo. Filed May 1, 1937.

EVENING STAR

For Crackers.
Claims use since Apr. 21, 1937.

Ser. No. 392,154. A. J. LE FORT, JR., Harlingen and Alamo, Tex. Filed May 1, 1937.



The representation of the goods is disclaimed apart from the mark.
For Fresh Citrus Fruits.
Claims use since 1930.

Ser. No. 392,157. LYONS-MAGNUS, INCORPORATED, San Francisco, Calif. Filed May 1, 1937.

FRUTICENE

For Flavoring Extracts for Use in Cake Icing, Cake Batter, Ice Cream, and Candy Centers.
Claims use since May, 1927.

Ser. No. 392,203. DOYLE PACKING COMPANY, Los Angeles, Calif., Momence, Ill., Newark, N. J., and North Kansas City, Mo. Filed May 3, 1937.



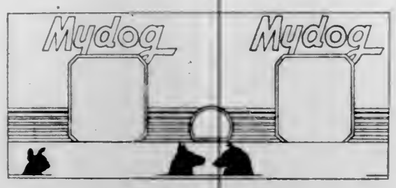
The drawing is lined for blue, red, and yellow. The words "Rations", "Packed By", and the representation of a label are disclaimed apart from the mark.
For Canned Dog and Cat Food.
Claims use since July, 1932.

Ser. No. 392,267. FITZ-GERALD AND LITROV, Los Angeles, Calif. Filed May 4, 1937.

Valid

For Fresh Vegetables.
Claims use since April, 1933.

Ser. No. 392,733. R. E. ROBERTS, doing business as Lord-Mott Co., Baltimore, Md. Filed May 6, 1937.



For Canned Dog Food.
Claims use since Feb. 15, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 390,320. HEINEKEN'S BIERBROUWERIJ MAATSCHAPPIJ N. V., Amsterdam and Rotterdam, Netherlands. Filed Mar. 20, 1937.



The words "Handels Merk," "Pilsener Bier" and "Amsterdam-Rotterdam" are disclaimed apart from the mark.
For Beer.
Claims use since Sept. 23, 1916.

Ser. No. 390,928. LION BREWERY OF NEW YORK CITY, New York, N. Y. Filed Apr. 3, 1937.

GOTHAM

For Beer and Ale.
Claims use since Mar. 29, 1937.

Ser. No. 391,456. ATLAS BREWING COMPANY, Chicago, Ill. Filed Apr. 17, 1937.

IT'S TOPS FOR TASTE

The words "For Taste" are disclaimed apart from the mark.
For Beer.
Claims use since July 7, 1934.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 386,969. STANDARD WINE & LIQUOR COMPANY, INC., New York, N. Y. Filed Dec. 19, 1936.

BROCKVILLE

For Whiskey.
Claims use since Feb. 12, 1934.

Ser. No. 391,261. THE AMERICAN DISTILLING COMPANY, Pekin, Ill. Filed Apr. 13, 1937.

King James

For Blended Whiskey.
Claims use since Mar. 27, 1937.

Ser. No. 392,164. S. S. PIERCE CO., Boston, Mass. Filed May 1, 1937.

Gold Coast

For Whiskey.
Claims use since Mar. 29, 1937.

Ser. No. 392,165. S. S. PIERCE CO., Boston, Mass. Filed May 1, 1937.

ROUND TABLE

For Whiskey.
Claims use since Mar. 29, 1937.

Ser. No. 392,921. JOSEPH S. FINCH AND COMPANY, Schenley, Pa. Filed May 18, 1937.

Since 1856

For Whiskey, Brandy, Gin, Rum, and Alcoholic Cordials.
Claims use since 1906.

CLASS 50

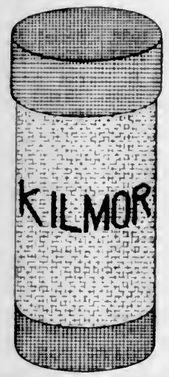
Merchandise Not Otherwise Classified

Ser. No. 390,912. GRAEF-COWEN CORPORATION, Allentown, Pa. Filed Apr. 3, 1937.



The representation of the carton is disclaimed apart from the mark. The drawing is lined for blue and black.
For Fly Ribbons.
Claims use since Nov. 26, 1935.

Ser. No. 390,913. GRAEF-COWEN CORPORATION, Allentown, Pa. Filed Apr. 3, 1937.



The representation of the carton is disclaimed apart from the mark. The drawing is lined for yellow and black.
For Fly Ribbons.
Claims use since Nov. 26, 1935.

Ser. No. 390,914. GRAEF-COWEN CORPORATION, Allentown, Pa. Filed Apr. 3, 1937.



The representation of the carton is disclaimed apart from the mark. The drawing is lined for red and black.
For Fly Ribbons.
Claims use since Nov. 26, 1935.

Ser. No. 391,462. RICHARD EUGENE DESCHNER, Los Angeles, Calif. Filed Apr. 17, 1937.

TIDY

TOP

The word "Top" is disclaimed apart from the mark shown.
For Bottle Closures.
Claims use since Apr. 1, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 29, 1937

347,460. SOUND AND VIBRATION INSULATING MOUNTINGS, CONNECTIONS, AND FLOORS, METALLIC ROOF DECKS, METALLIC ARTIFICIAL TILES, ETC. United States Gypsum Company, Chicago, Ill.

Filed December 31, 1934. Serial No. 359,820. PUBLISHED APRIL 13, 1937. Class 12.

347,461. HOSIERY. M. L. Victorius & Co., Inc., New York, N. Y.

Filed January 14, 1935. Serial No. 360,254. PUBLISHED APRIL 20, 1937. Class 39.

347,462. HONEY. The John G. Paton Company, Inc., New York, N. Y.

Filed February 23, 1935. Serial No. 361,706. PUBLISHED APRIL 20, 1937. Class 46.

347,463. MEN'S AND BOYS' OVERCOATS. Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y.

Filed July 3, 1935. Serial No. 366,948. PUBLISHED SEPTEMBER 29, 1936. Class 39.

347,464. WHEAT FLOUR. The Bloom-Rosenblum-Klein Company, Youngstown, Ohio.

Filed July 10, 1935. Serial No. 367,141. PUBLISHED APRIL 29, 1937. Class 46.

347,465. PERIODICALS PUBLISHED ONCE OR TWICE A WEEK. The University of Chicago, Chicago, Ill.

Filed August 9, 1935. Serial No. 368,160. PUBLISHED APRIL 20, 1937. Class 38.

347,466. REFINED, SEMIREFINED, AND UNREFINED OILS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL OILS, FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES, AND LUBRICATING GREASES. Standard Oil Company of New Jersey, Wilmington, Del.

Filed September 4, 1935. Serial No. 368,991. PUBLISHED NOVEMBER 12, 1935. Class 15.

347,467. REFINED, SEMIREFINED, AND UNREFINED OILS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL OILS, FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES, AND LUBRICATING GREASES. Standard Oil Company of New Jersey, Wilmington, Del.

Filed September 4, 1935. Serial No. 368,992. PUBLISHED NOVEMBER 12, 1935. Class 15.

347,468. COFFEE. Jack Frost Coffee Co. Inc., New York, N. Y.

Filed September 25, 1935. Serial No. 369,699. PUBLISHED APRIL 14, 1936. Class 46.

347,469. BUCKWHEAT AND WHEAT FLOUR, ROLLED OATS, CREAM FLAKED OATS, BREAKFAST CEREALS SUCH AS OATMEAL, FARINA, PEARLS OF BARLEY, CORN MEAL, CRACKED WHEAT, GRAHAM FLOUR, MINUTE OATS, TAPIOCA, FLAKED WHEAT, WHOLE WHEAT FLOUR, FLAPJACK FLOUR, PANCAKE AND WAFFLE FLOUR, PEARLS OF WHEAT, HOMINY GRITS, RYE FLOUR, SPLIT PEAS, AND SAGO. Albers Bros. Milling Co., Portland, Oreg.; San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Calif.; and Seattle, Tacoma, and Spokane, Wash.

Filed November 20, 1935. Serial No. 371,752. PUBLISHED JULY 28, 1936. Class 46.

347,470. SIGHT INDICATOR FOR USE IN CONNECTION WITH CONDENSERS, STEAM SEPARATORS, STEAM TRAPS, AND THE LIKE, TO SHOW THE CONDITION OF RETURN FLOW OF CONDENSATE, IN ITS RELATION TO STEAM OR OTHER VAPORS, LOSS OF STEAM, FREEDOM OF FLOW, AND THE LIKE. Gustav Friedrich Gerdts, Bremen, Germany.

Filed November 20, 1935. Serial No. 371,770. PUBLISHED APRIL 20, 1937. Class 26.

347,471. FRESH DECIDUOUS FRUITS AND FRESH GRAPES. Hall Packing Company, Sanger and El Centro, Calif.

Filed November 27, 1935. Serial No. 372,057. PUBLISHED APRIL 20, 1937. Class 46.

347,472. INSECTICIDES, FUNGICIDES, AND WEED KILLERS. Chipman Chemical Company, Inc., Bound Brook, N. J.

Filed January 15, 1936. Serial No. 373,675. PUBLISHED AUGUST 4, 1936. Class 6.

347,473. FRESH CITRUS FRUITS. Terra Bella Citrus Assn., Terra Bella, Calif.

Filed February 3, 1936. Serial No. 374,442. PUBLISHED APRIL 20, 1937. Class 46.

347,474. COUCHES AND DAY BEDS. Morris Lipps, doing business as Greater New York Bedding Co., New York, N. Y.

Filed February 8, 1936. Serial No. 374,624. PUBLISHED APRIL 20, 1937. Class 32.

347,475. ROCK. Ed R. Mayer, Amarillo, Tex.

Filed February 11, 1936. Serial No. 374,724. PUBLISHED APRIL 14, 1936. Class 1.

347,476. MANUFACTURED BRICK AND MANUFACTURED CONCRETE AND SIMILAR BUILDING MATERIAL FOR USE ON THE INTERIOR AND EXTERIOR WALLS OF BUILDINGS. Ed R. Mayer, Amarillo, Tex.

Filed February 11, 1936. Serial No. 374,725. PUBLISHED APRIL 20, 1937. Class 12.

347,477. PEANUT BUTTER. Schindler's Peanut Products, Inc., Washington, D. C.

Filed February 14, 1936. Serial No. 374,856. PUBLISHED APRIL 20, 1937. Class 46.

347,478. TRENCH COATS FOR BOYS AND MEN, ALSO RAINCOATS, TOP COATS, BREECHES, AND SNOW SUITS. Jacob Finkelstein & Sons, Woonsocket, R. I.

Filed February 24, 1936. Serial No. 375,139. PUBLISHED APRIL 28, 1936. Class 39.

347,479. CANDY. E. Rosen Company, Providence, R. I.

Filed March 13, 1936. Serial No. 375,955. PUBLISHED JUNE 2, 1936. Class 46.

347,480. ADHESIVE CEMENT. Benjamin K. Albrecht, doing business as Albrecht & Co., Rowayton, Conn.

Filed April 3, 1936. Serial No. 376,748. PUBLISHED APRIL 20, 1937. Class 5.

347,481. MACHINES FOR FORMING, GRADING, RIPPING, AND OTHERWISE WORKING ROADS, HYDRAULIC PUMPS, AND HOISTS. Kay-Brunner Steel Products Inc., Alhambra, Calif.

Filed April 28, 1936. Serial No. 377,742. PUBLISHED APRIL 20, 1937. Class 23.

347,482. CANNED APRICOTS, PEACHES, AND PINEAPPLE. Independent Grocers' Alliance Distributing Co., Chicago, Ill.

Filed May 9, 1936. Serial No. 378,256. PUBLISHED JULY 28, 1936. Class 46.

347,483. WOMEN'S AND MISSES' COATS AND SUITS. A. Davis & Sons, Inc., New York, N. Y.

Filed May 22, 1936. Serial No. 378,740. PUBLISHED APRIL 20, 1937. Class 39.

347,484. WAXED PAPER IN SHEET FORM NOT USED AS WRAPPING PAPER. Menasha Products Company, Menasha, Wis.

Filed June 1, 1936. Serial No. 379,120. PUBLISHED APRIL 20, 1937. Class 37.

347,485. VESTS AND WINDBREAKERS. All America Garment Company, Cambridge, Mass.

Filed June 16, 1936. Serial No. 379,782. PUBLISHED AUGUST 4, 1936. Class 39.

347,486. WOMEN'S COATS. Indictor, Kofsky & Haberman, Inc., New York, N. Y.

Filed June 20, 1936. Serial No. 380,000. PUBLISHED APRIL 13, 1937. Class 39.

347,487. FRUIT JUICE BEVERAGES USED AS SOFT DRINKS. Richmond-Chase Company, San Jose, Calif.

Filed July 6, 1936. Serial No. 380,666. PUBLISHED AUGUST 25, 1936. Class 45.

347,488. TELEPHONE SYSTEMS, TELEPHONE EQUIPMENT, AND PARTS THEREOF. Automatic Electric Company, Chicago, Ill.

Filed August 10, 1936. Serial No. 381,957. PUBLISHED APRIL 20, 1937. Class 21.

347,489. SCOTCH WHISKY. Findlater Mackie Todd & Co. Limited, London, England.

Filed September 3, 1936. Serial No. 382,867. PUBLISHED APRIL 20, 1937. Class 49.

347,490. CHEESE. John F. Jelke Company, Chicago, Ill.

Filed September 4, 1936. Serial No. 382,917. PUBLISHED APRIL 20, 1937. Class 46.

347,491. CHILDREN'S AND JUNIOR MISSES' DRESSES, GOWNS, WRAPS, COATS OF ALL KINDS AND OF ALL MATERIALS, AND HATS. Morris Silver, New York, N. Y.

Filed September 5, 1936. Serial No. 382,963. PUBLISHED APRIL 13, 1937. Class 39.

347,492. APPARATUS FOR ALIGNING BLOCKS TO BE MACHINED. Micromatic Hone Corporation, Detroit, Mich.

Filed September 4, 1936. Serial No. 382,985. PUBLISHED APRIL 20, 1937. Class 26.

347,493. APPARATUS FOR TIGHTENING BOLTS OR THE LIKE. Micromatic Hone Corporation, Detroit, Mich.

Filed September 4, 1936. Serial No. 382,987. PUBLISHED APRIL 20, 1937. Class 23.

347,494. HONE FOR GRINDING CYLINDER WALLS. Micromatic Hone Corporation, Detroit, Mich.

Filed September 4, 1936. Serial No. 382,989. PUBLISHED APRIL 20, 1937. Class 23.

347,495. APPARATUS FOR COLLECTING AND SEPARATING GRIT, DIRT, DUST, AND GRINDINGS FROM AIR. Micromatic Hone Corporation, Detroit, Mich.

Filed September 4, 1936. Serial No. 382,991. PUBLISHED APRIL 20, 1937. Class 23.

347,496. PHOTOGRAPHIC DEVELOPING KIT COMPRISING CHEMICALS, LACQUERS, BRUSHES, PASTES, ETC. Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth, Budweis, Czechoslovakia.

Filed September 18, 1936. Serial No. 383,393. PUBLISHED APRIL 20, 1937. Class 26.

347,497. EMPTY WRAPPERS AND BAGS MADE OF GLASSINE, VEGETABLE PARCHMENT, PLAIN, AND/OR WAXED PAPER. Joe Lowe Corporation, New York, N. Y.

Filed September 24, 1936. Serial No. 383,586. PUBLISHED APRIL 20, 1937. Class 2.

347,498. EMPTY WRAPPERS AND BAGS MADE OF GLASSINE, VEGETABLE PARCHMENT, PLAIN, AND/OR WAXED PAPER. Joe Lowe Corporation, New York, N. Y.

Filed September 24, 1936. Serial No. 383,589. PUBLISHED APRIL 20, 1937. Class 2.

347,499. GROUND MEAT SANDWICHES. Leonard H. Wells, Zanesville, Ohio.

Filed September 25, 1936. Serial No. 383,664. PUBLISHED APRIL 20, 1937. Class 46.

347,500. TOOL HANDLES FOR TONGS, VISES, WRENCHES, AND TOOL HANDLES, SUCH AS BALANCE, CRANK, AND MACHINE HANDLES. J. H. Williams & Co., Buffalo, N. Y.

Filed September 29, 1936. Serial No. 383,793. PUBLISHED APRIL 20, 1937. Class 23.

347,501. FRESH FRUIT—NAMELY, PRICKLY PEARS. Giordano Bros., San Jose, Calif.

Filed September 25, 1936. Serial No. 384,069. PUBLISHED APRIL 13, 1937. Class 46.

347,502. LADIES', MEN'S, MISSES', CHILDREN'S, AND INFANTS' HOSIERY WHETHER SILK, WOOL, RAYON, COTTON, LISLE, OR OF OTHER MATERIAL, AND WHETHER FULL FASHIONED OR OTHERWISE, ETC. Samuel Yellin, doing business as Yellin Dry Goods Company, Boston, Mass.

Filed October 12, 1936. Serial No. 384,281. PUBLISHED APRIL 13, 1937. Class 39.

347,503. DRUMS, BANJOS, AND GUITARS. The Fred. Gretsch Manufacturing Co., Brooklyn, N. Y.

Filed October 15, 1936. Serial No. 384,377. PUBLISHED APRIL 6, 1937. Class 36.

347,504. PLAYING CARDS. Walgreen Co., Chicago, Ill.

Filed October 19, 1936. Serial No. 384,574. PUBLISHED APRIL 20, 1937. Class 22.

347,505. LEATHER. B. D. Eisendrath Tanning Company, Chicago, Ill.

Filed October 28, 1936. Serial No. 384,888. PUBLISHED APRIL 20, 1937. Class 1.

347,506. DEHYDRATED, POWDERED VEGETABLES IN TABLET FORM USED AS DIETARY ADJUVANTS. S. O. Barnes & Son, Gardena, Calif., assignor to Mildred M. Lager, doing business as Vegeminerals Company, Los Angeles, Calif.

Filed November 2, 1936. Serial No. 385,029. PUBLISHED APRIL 13, 1937. Class 6.

347,507. LUBRICATING OIL AND GREASE COMPOUNDS. The Whitmore Manufacturing Company, Cleveland Ohio.

Filed November 9, 1936. Serial No. 385,321. PUBLISHED APRIL 20, 1937. Class 15.

347,508. FLOOR POLISHERS AND FLOOR POLISHER ATTACHMENTS FOR SUCTION CLEANERS. The P. A. Geier Company, Cleveland, Ohio.

Filed November 10, 1936. Serial No. 385,352. PUBLISHED APRIL 20, 1937. Class 23.

347,509. TOOTH PASTE AND TOOTH POWDER. Pro-Phy-Lac-Tic Brush Company, Northampton, Mass.

Filed November 10, 1936. Serial No. 385,367. PUBLISHED APRIL 13, 1937. Class 6.

347,510. EGGS, LIVE AND DRESSED POULTRY AND TURKEYS. Southern Calif. Poultry Co., Los Angeles, Calif.

Filed November 14, 1936. Serial No. 385,542. PUBLISHED APRIL 20, 1937. Class 46.

347,511. HOSIERY. Arlington Silk Hosiery Co. Inc., New York, N. Y.

Filed November 25, 1936. Serial No. 385,962. PUBLISHED APRIL 13, 1937. Class 39.

347,512. HOSIERY. Asheboro Hosiery Mills, Inc., Asheboro, N. C.

Filed November 25, 1936. Serial No. 385,964. PUBLISHED APRIL 13, 1937. Class 39.

347,513. OPAQUE COLOURS, OPAQUING AGENTS, AND FUSIBLE AND VITRIFIABLE COLOURS AND GAS CLOUDING AGENTS, ALL USED IN THE MANUFACTURE OF GLASS AND ENAMELWARE. VEREINIGTE CHEMISCHE FABRIKEN KREIDL, HELLER & CO., Vienna, Austria.
Filed November 25, 1936. Serial No. 385,999. PUBLISHED APRIL 13, 1937. Class 6.

347,514. OPAQUE COLOURS, OPAQUING AGENTS, AND FUSIBLE AND VITRIFIABLE COLOURS AND GAS CLOUDING AGENTS, ALL USED IN THE MANUFACTURE OF GLASS AND ENAMELWARE. VEREINIGTE CHEMISCHE FABRIKEN KREIDL, HELLER & CO., Vienna, Austria.
Filed November 25, 1936. Serial No. 386,000. PUBLISHED APRIL 13, 1937. Class 6.

347,515. HEALING CREAM FOR CHAPPED SKIN. EDWARD R. JARVIS, doing business as Guild Co., New Brunswick, N. J.
Filed December 1, 1936. Serial No. 386,164. PUBLISHED APRIL 20, 1937. Class 6.

347,516. COOKING INGREDIENTS FOR ENRICHING, THICKENING, OR BROWNING GRAVIES, SOUPS, AND THE LIKE, PARTICULARLY DEXTRINE-CONTAINING INGREDIENTS FOR SUCH USES. PAULINE N. BATTIN, doing business as The Battin Co., College Point, N. Y.
Filed December 5, 1936. Serial No. 386,335. PUBLISHED APRIL 20, 1937. Class 46.

347,517. DRESS, NEGLIGEE, AND WORK SHIRTS, JACKETS, OVERALLS, SPORTSWEAR—NAMELY, POLO SHIRTS, ATHLETIC SHIRTS, MELTON JACKETS (PLAIN AND FANCY), MACKINAWS, AND LUMBER JACKETS. BLASS-MEYERS MFG. CO., INC., New York, N. Y.
Filed December 8, 1936. Serial No. 386,478. PUBLISHED APRIL 13, 1937. Class 39.

347,518. PREPARATION FOR PRESERVING AND STRENGTHENING THE FABRIC OF BOTH REAL AND ARTIFICIAL SILK. ALBERT F. GREENE, doing business as Regene Co., Buffalo, N. Y.
Filed December 8, 1936. Serial No. 386,488. PUBLISHED APRIL 20, 1937. Class 6.

347,519. CLEANING PREPARATION FOR GLASS, NICKEL, SILVER, PORCELAIN, ENAMEL, AND THE LIKE. NON-GLARE CHEMICAL COMPANY, Evanston, Ill.
Filed December 11, 1936. Serial No. 386,655. PUBLISHED APRIL 20, 1937. Class 4.

347,520. HAND CLEANSER, ALL PURPOSE CLEANSER HAVING INCIDENTAL WATER SOFTENING PROPERTIES, AND AUTOMOBILE DRY CLEANING COMPOUND. EARL F. RULISON, doing business as Less Effort Products Co., Chicago, Ill.
Filed December 11, 1936. Serial No. 386,663. PUBLISHED APRIL 20, 1937. Class 4.

347,521. WOMEN'S AND MISSES' SPORTS COATS, OUTER SKIRTS, SUITS, SWEATERS, HATS, BATHING SUITS, AND SCARFS. SYNDICATE-ALLIANCE TRADING CO., INC., New York, N. Y.
Filed December 12, 1936. Serial No. 386,701. PUBLISHED MARCH 23, 1937. Class 39.

347,522. LADIES' AND MISSES' SHOES AND SLIPPERS MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. DAINTY MAID SLIPPERS, INC., New York, N. Y.
Filed December 14, 1936. Serial No. 386,725. PUBLISHED MARCH 30, 1937. Class 39.

347,523. CYLINDER LINERS AND VALVE SEATINGS FOR INTERNAL COMBUSTION ENGINES. HEPWORTH & GRANDAGE LIMITED, Bradford, England.
Filed December 18, 1936. Serial No. 386,897. PUBLISHED APRIL 20, 1937. Class 23.

347,524. FRUIT AND VEGETABLE JUICE EXTRACTING MACHINES. WILLIAM WISHINSKY, New York, N. Y.
Filed December 18, 1936. Serial No. 386,920. PUBLISHED APRIL 20, 1937. Class 23.

347,525. FERRO-CONCRETE TANKS. BORSARI & CIE., Zollikon, Switzerland.
Filed December 21, 1936. Serial No. 386,981. PUBLISHED APRIL 20, 1937. Class 2.

347,526. HIGH-BOILING, SUBSTANTIALLY COLORLESS, NEUTRAL, NON-DRYING, NON-VOLATILE LIQUID, WHICH IS USED PRINCIPALLY AS A SOLVENT AND PLASTICIZER FOR CELLULOSE ESTERS AND IN CELLULOSE ESTER PLASTICS. HERCULES POWDER COMPANY, Wilmington, Del.
Filed December 28, 1936. Serial No. 387,185. PUBLISHED APRIL 20, 1937. Class 6.

347,527. CANNED FRUITS, CANNED VEGETABLES. FOREST J. MAYNARD, doing business as Forest J. Maynard Co., San Francisco, Calif.
Filed December 28, 1936. Serial No. 387,195. PUBLISHED APRIL 20, 1937. Class 46.

347,528. LADIES' DRESSES OR FROCKS, SUITS, AND COATS. ALEXANDER S. GROSS, INC., New York, N. Y.
Filed December 29, 1936. Serial No. 387,244. PUBLISHED APRIL 20, 1937. Class 39.

347,529. HOSIERY. DAVID M. CONN, New York, N. Y.
Filed December 30, 1936. Serial No. 387,268. PUBLISHED APRIL 13, 1937. Class 39.

347,530. MEN'S, WOMEN'S, AND CHILDREN'S RAINCOATS AND WATERPROOF SUITS. DUBE & REINGOLD, INC., New York, N. Y.
Filed December 30, 1936. Serial No. 387,270. PUBLISHED APRIL 20, 1937. Class 39.

347,531. WOVEN CLOTH COMPOSED OF A MIXTURE OF ANIMAL FIBRES IN THE PIECE. S. STROOCK & CO. INC., New York, N. Y.
Filed December 30, 1936. Serial No. 387,295. PUBLISHED APRIL 20, 1937. Class 42.

347,532. CANNED FRUITS—NAMELY, PRUNES AND PEARS; AND CANNED FISH. FOOD ASSOCIATES, INC., Seattle, Wash.
Filed December 31, 1936. Serial No. 387,320. PUBLISHED APRIL 13, 1937. Class 46.

347,533. SALVE. KOLSTEROL, INCORPORATED, Detroit, Mich.
Filed December 31, 1936. Serial No. 387,328. PUBLISHED APRIL 13, 1937. Class 6.

347,534. PERFUME. LUCIEN LELONG INC., Chicago, Ill.
Filed December 31, 1936. Serial No. 387,330. PUBLISHED APRIL 13, 1937. Class 6.

347,535. ASPHALT. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed December 31, 1936. Serial No. 387,355. PUBLISHED APRIL 13, 1937. Class 12.

347,536. FRESH CITRUS AND DECIDUOUS FRUITS, VEGETABLES, AND MELONS. A. LEVIN & CO., Los Angeles, Calif.
Filed January 2, 1937. Serial No. 387,381. PUBLISHED APRIL 20, 1937. Class 46.

347,537. METAL WEATHERSTRIPS. MONARCH METAL WEATHERSTRIP CORPORATION, St. Louis, Mo.
Filed January 2, 1937. Serial No. 387,389. PUBLISHED APRIL 20, 1937. Class 12.

347,538. PERFUMES. JEAN RAVAUD, New York, N. Y., and Neuilly-sur-Seine, France.
Filed January 2, 1937. Serial No. 387,396. PUBLISHED APRIL 13, 1937. Class 6.

347,539. CLEANING MACHINES FOR WASHING UPHOLSTERED, FURNITURE AND MOTHPROOFING UPHOLSTERY, RUGS, AND ALL FABRICS. VON SCHRADER MANUFACTURING COMPANY, Racine, Wis.
Filed January 2, 1937. Serial No. 387,423. PUBLISHED APRIL 20, 1937. Class 23.

347,540. MEN'S CLOTHING—SUCH AS MEN'S AND BOYS' SUITS AND COATS. HAUSMAN, NEWMAN & MILLER, INC., New York, N. Y.
Filed January 5, 1937. Serial No. 387,467. PUBLISHED APRIL 6, 1937. Class 39.

347,541. SKI, SKATING, AND SPORT JACKETS, PANTS, AND SKIRTS FOR MEN, WOMEN, AND CHILDREN. I. C. ISAACS & COMPANY, INC., Baltimore, Md.
Filed January 6, 1937. Serial No. 387,505. PUBLISHED APRIL 20, 1937. Class 39.

347,542. INTER-OFFICE RADIO-TELEPHONE COMMUNICATION SYSTEM. WALTER SPEIGEL, New York, N. Y.
Filed January 6, 1937. Serial No. 387,519. PUBLISHED APRIL 20, 1937. Class 21.

347,543. ABRASIVES CONSISTING OF ELECTRICALLY FUSED ALUMINA IN THE FORM OF POWDER AND PLATES, WHETSTONES, AND GRINDING CLOTHS. HÖGANÄS-BILLESHOLMS AKTIEBOLAG, Höganas and Halsingborg, Sweden.
Filed January 9, 1937. Serial No. 387,622. PUBLISHED APRIL 20, 1937. Class 4.

347,544. COAL. WISCONSIN GREAT LAKES COAL & DOCK CO., Milwaukee, Wis.
Filed January 9, 1937. Serial No. 387,641. PUBLISHED APRIL 20, 1937. Class 1.

347,545. POULTRY AND STOCK FEED CONTAINING BUTTERMILK AND MOLASSES. COLLIS PRODUCTS COMPANY, St. Paul, Minn.
Filed January 11, 1937. Serial No. 387,659. PUBLISHED APRIL 13, 1937. Class 46.

347,546. SHELL EGGS. THE BORDEN COMPANY, New York, N. Y.
Filed January 12, 1937. Serial No. 387,697. PUBLISHED APRIL 13, 1937. Class 46.

347,547. FRESH ENDIVES. FYNAUT & POPEK, New York, N. Y.
Filed January 12, 1937. Serial No. 387,703. PUBLISHED APRIL 20, 1937. Class 46.

347,548. INSECT POISONS. JOHN B. ROSEFIELD, doing business as An-Fo Manufacturing Co., Oakland, Calif.
Filed January 12, 1937. Serial No. 387,711. PUBLISHED APRIL 20, 1937. Class 6.

347,549. BUILDING TILES. UNITED STATES QUARRY TILE COMPANY, Parkersburg, W. Va.
Filed January 14, 1937. Serial No. 387,804. PUBLISHED APRIL 13, 1937. Class 12.

347,550. BUILDING TILES. UNITED STATES QUARRY TILE COMPANY, Parkersburg, W. Va.
Filed January 14, 1937. Serial No. 387,805. PUBLISHED APRIL 13, 1937. Class 12.

347,551. CHEESE, CHEESE MIXED WITH WINE, AND CHEESE MIXED WITH LIQUORS. BARTHOLD MICHELS' SON CO. INC., New York, N. Y.
Filed January 15, 1937. Serial No. 387,813. PUBLISHED APRIL 20, 1937. Class 46.

347,552. WATCHES, WATCH CASES, WATCH MOVEMENTS. MAX WEISS, New York, N. Y.
Filed January 15, 1937. Serial No. 387,846. PUBLISHED APRIL 20, 1937. Class 27.

347,553. VITAMIN B PREPARATION FOR MEDICINAL USE. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed January 16, 1937. Serial No. 387,867. PUBLISHED APRIL 13, 1937. Class 6.

347,554. LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, PREPARATIONS FOR SKIN, HAIR, AND FINGER NAILS, AND PERFUMES. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill.
Filed January 18, 1937. Serial No. 387,885. PUBLISHED APRIL 13, 1937. Class 6.

347,555. FUEL OIL GASIFIER FOR INTERNAL COMBUSTION MOTORS. JOSEPH G. PRETTI, Oakland, Calif.
Filed January 18, 1937. Serial No. 387,919. PUBLISHED APRIL 20, 1937. Class 23.

347,556. COMPOUND TO BE SPRAYED ON SHEETS AFTER THEY HAVE BEEN PRINTED TO PREVENT OFFSETTING. AMERICAN TYPE FOUNDERS SALES CORPORATION, Elizabeth, N. J.
Filed January 19, 1937. Serial No. 387,935. PUBLISHED APRIL 13, 1937. Class 6.

347,557. TEXTILES, MORE SPECIFICALLY COTTON CLOTH IN THE PIECE USED IN THE MANUFACTURE OF DRESSES. LINCOLN FABRICS, INC., New York, N. Y.
Filed January 19, 1937. Serial No. 387,947. PUBLISHED APRIL 20, 1937. Class 42.

347,558. MAGAZINES. PAYSON PUBLISHING, INC., New York, N. Y.
Filed January 21, 1937. Serial No. 388,023. PUBLISHED APRIL 20, 1937. Class 38.

347,559. RUBBER TIRES. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed January 22, 1937. Serial No. 388,044. PUBLISHED APRIL 20, 1937. Class 35.

347,560. BABIES' DRESSES. THE R. M. HAY COMPANY, Stamford, Conn.
Filed January 22, 1937. Serial No. 388,061. PUBLISHED APRIL 20, 1937. Class 39.

347,561. SOLUBLE CHEMICAL COMPOUNDS FOR USE AS DETERGENTS. THE COWLES DETERGENT COMPANY, Cleveland, Ohio.
Filed January 25, 1937. Serial No. 388,121. PUBLISHED APRIL 20, 1937. Class 4.

347,562. ELECTRIC CONTACTS. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill.
Filed January 25, 1937. Serial No. 388,129. PUBLISHED APRIL 20, 1937. Class 21.

347,563. ELECTRIC CONTACTS. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill.
Filed January 25, 1937. Serial No. 388,130. PUBLISHED APRIL 20, 1937. Class 21.

347,564. ELECTRIC CONTACTS. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill.
Filed January 25, 1937. Serial No. 388,131. PUBLISHED APRIL 20, 1937. Class 21.

347,565. REFRIGERATORS. GIBSON ELECTRIC REFRIGERATOR CORPORATION, Greenville, Mich.
Filed January 25, 1937. Serial No. 388,136. PUBLISHED APRIL 20, 1937. Class 31.

347,566. ELECTRICAL TELEPHONE POWER AMPLIFIED LOUD SPEAKER TWO-WAY COMMUNICATION SYSTEMS. LAKE MANUFACTURING COMPANY, INC., Oakland, Calif.
Filed January 25, 1937. Serial No. 388,138. PUBLISHED APRIL 20, 1937. Class 21.

347,567. WATCH MAINSPRINGS. H. SEGAL, New York, N. Y.
Filed January 25, 1937. Serial No. 388,146. PUBLISHED APRIL 20, 1937. Class 27.

347,568. LADIES' AND CHILDREN'S KNITTED VESTS, BLOOMERS, PANTIES, NIGHTGOWNS, AND PAJAMAS. KINGSBORO SILK MILLS, INC., Gloversville, N. Y.
Filed January 26, 1937. Serial No. 388,197. PUBLISHED APRIL 13, 1937. Class 39.

347,569. PEROXIDE OF HYDROGEN. JOHN BENE & SONS INC., Brooklyn, N. Y.
Filed January 26, 1937. Serial No. 388,204. PUBLISHED APRIL 13, 1937. Class 6.

347,570. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, PARTICULARLY FINGER-RINGS, NOT INCLUDING WATCHES. OSTBY AND BARTON COMPANY, Providence, R. I.
Filed February 27, 1937. Serial No. 389,469. PUBLISHED APRIL 27, 1937. Class 28.

347,571. BEACHWEAR—NAMELY, OUTER SHIRTS AND SLACKS. IRWILL KNITWEAR CORP., New York, N. Y.
Filed January 27, 1937. Serial No. 388,234. PUBLISHED APRIL 13, 1937. Class 39.

347,572. CANDY. MEADOW BROOK CANDY CO., Moline, Ill.
Filed January 29, 1937. Serial No. 388,253. PUBLISHED APRIL 20, 1937. Class 46.

347,573. TOILET SOAPS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed January 28, 1937. Serial No. 388,262. PUBLISHED APRIL 20, 1937. Class 4.

347,574. NON-ALCOHOLIC FRUIT FLAVORED SYRUPS USED IN MIXING ALCOHOLIC AND NON-ALCOHOLIC DRINKS. W. O. SOMMERS, INC., Chicago, Ill.
Filed January 28, 1937. Serial No. 388,284. PUBLISHED APRIL 20, 1937. Class 45.

347,575. STOCK AND POULTRY FEEDS. ALBERS BROS. MILLING CO., Portland, Oreg., San Francisco, Los Angeles, Sacramento, Oakland, Riverside, Fresno, and San Jose, Calif., and Seattle, Tacoma, Spokane, Wash.
Filed January 29, 1937. Serial No. 388,299. PUBLISHED APRIL 20, 1937. Class 46.

347,576. WOMEN'S AND CHILDREN'S SPORT SUITS, COATS, DRESSES, SLACKS, JACKETS, AND SKIRTS. ANTHONY BROTHERS, San Francisco, Calif.
Filed January 29, 1937. Serial No. 388,301. PUBLISHED APRIL 20, 1937. Class 39.

347,577. WORK PANTS, BREECHES, BLOUSES, AND JACKETS, AND WORK COATS FOR MEN AND BOYS. THE DRYBAK CORPORATION, Binghamton, N. Y.
Filed January 29, 1937. Serial No. 388,313. PUBLISHED APRIL 20, 1937. Class 39.

347,578. CHEMICAL COMPOUND, BEING IN THE NATURE OF A FIBRE SOFTENING OR FINISHING AGENT FOR TEXTILES, PAPER, LEATHER, AND THE LIKE, AND BEING INTENDED FOR WASHING, DYEING, PRINTING, AND FINISHING OF SUCH MATERIALS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed January 29, 1937. Serial No. 388,314. PUBLISHED APRIL 13, 1937. Class 6.

347,579. EGGS. EMIL FLEISCHL & SON, New York, N. Y.
Filed January 29, 1937. Serial No. 388,317. PUBLISHED APRIL 13, 1937. Class 46.

347,580. SILK PRESERVING OIL. THE MARTIN DENNIS COMPANY, Newark, N. J.
Filed January 29, 1937. Serial No. 388,327. PUBLISHED APRIL 13, 1937. Class 6.

347,581. SAXOPHONES, CLARINETS, TRUMPETS, TROMBONES, CORNETS, BARITONES, EUPHONIUMS, BASSES, FLUTES, PICCOLOS, FRENCH HORNS, MELLOPHONES, ALTO HORNS, CIRCULAR ALTOS, SAXOPHONE ACCESSSORIES, CLARINET ACCESSORIES, BRASS INSTRUMENT ACCESSORIES, REEDS, AND MOUTHPIECES. H. & A. SELMER INC., Elkhart, Ind.
Filed January 29, 1937. Serial No. 388,333. PUBLISHED APRIL 20, 1937. Class 36.

347,582. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed January 30, 1937. Serial No. 388,355. PUBLISHED APRIL 13, 1937. Class 6.

347,583. FRESH VEGETABLES. C. I. & M. DINOFELDER, New York, N. Y.
Filed February 1, 1937. Serial No. 388,392. PUBLISHED APRIL 20, 1937. Class 46.

347,584. LADIES' and CHILDREN'S UNDERWEAR. JULIUS KAYSER & Co., New York, N. Y.
Filed February 1, 1937. Serial No. 388,396. PUBLISHED APRIL 13, 1937. Class 39.

347,585. RICE. LOUISIANA STATE RICE MILLING COMPANY, INC., Abbeville, La.
Filed February 1, 1937. Serial No. 388,398. PUBLISHED APRIL 20, 1937. Class 46.

347,586. TOY GUNS. GRAY E. MILLER, Pittsburgh, Pa.
Filed February 1, 1937. Serial No. 388,402. PUBLISHED APRIL 20, 1937. Class 22.

347,587. PLAYING CARDS AND FOR GAMES OF THE PARLOR TYPE, TOGETHER WITH BOARDS AND EQUIPMENT USED IN CONNECTION WITH SUCH GAMES. FERDINAND C. H. MÜLLER, Swanton, Ohio.
Filed February 1, 1937. Serial No. 388,403. PUBLISHED APRIL 20, 1937. Class 22.

347,588. SECTION IN A MAGAZINE. J. MCKEEN CATTELL, doing business as The Science Press, New York, N. Y.
Filed February 2, 1937. Serial No. 388,432. PUBLISHED APRIL 20, 1937. Class 38.

347,589. PETROLEUM PRODUCTS—NAMELY, LUBRICATING OILS, LUBRICATING GREASES, TRANSMISSION GREASES, FUEL OILS, AND GASOLINE. CONSUMERS OIL COMPANY, Baltimore, Md.
Filed February 2, 1937. Serial No. 388,433. PUBLISHED APRIL 13, 1937. Class 15.

347,590. NEWSPAPER COLUMN. FINANCIAL GUIDE PUBLISHING CORPORATION, New York, N. Y.
Filed February 2, 1937. Serial No. 388,441. PUBLISHED APRIL 20, 1937. Class 38.

347,591. COTTON MATTRESSES, COTTON FELT MATTRESSES, HAIR MATTRESSES, LAMBS WOOL MATTRESSES, MATTRESSES WITH INNERSPRING CENTER, CUSHIONS, STUDIO COUCHES, BOX SPRINGS, AND PILLOWS. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md.
Filed February 2, 1937. Serial No. 388,453. PUBLISHED APRIL 20, 1937. Class 32.

347,592. COTTON MATTRESSES, COTTON FELT MATTRESSES, HAIR MATTRESSES, LAMBS WOOL MATTRESSES, MATTRESSES WITH INNERSPRING CENTER, CUSHIONS, STUDIO COUCHES, BOX SPRINGS, AND PILLOWS. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md.
Filed February 2, 1937. Serial No. 388,454. PUBLISHED APRIL 20, 1937. Class 32.

347,593. CLOTHING FOR WOMEN—NAMELY, LADIES' AND MISSES' DRESSES, COATS, SUITS, EVENING GOWNS, AFTERNOON DRESSES, AND DINNER GOWNS, THE SAME BEING MADE OF SILK, SATIN, RAYON, WOOL, COTTON, KNIT GOODS, COMBINATION OF SILK AND WOOL, OR WORSTEDS. RUSSEKS FIFTH AVENUE INC., New York, N. Y.
Filed February 2, 1937. Serial No. 388,483. PUBLISHED APRIL 13, 1937. Class 39.

347,594. DETERGENT FOR USE IN CONNECTION WITH THE BOILING AND TREATING OF TEXTILE FABRICS. THE COWLES DETERGENT COMPANY, Cleveland, Ohio.
Filed February 3, 1937. Serial No. 388,493. PUBLISHED APRIL 20, 1937. Class 4.

347,595. CHILDREN'S SUITS, DRESSES, ROMPERS, AND SUN SUITS. KIDDIES PAL, INC., New York, N. Y.
Filed February 3, 1937. Serial No. 388,502. PUBLISHED APRIL 13, 1937. Class 39.

347,596. APPARATUS FOR RECTIFYING ELECTRIC CURRENT. THE B-L ELECTRIC MANUFACTURING CO., St. Louis, Mo.
Filed February 4, 1937. Serial No. 388,526. PUBLISHED APRIL 20, 1937. Class 21.

347,597. SHELL EGGS. THE BORDEN COMPANY, New York, N. Y.
Filed February 4, 1937. Serial No. 388,528. PUBLISHED APRIL 20, 1937. Class 46.

347,598. WOMEN'S, MISSES', AND GIRLS' DRESSES. LANG-KOHN MANUFACTURING COMPANY, St. Louis, Mo.
Filed February 4, 1937. Serial No. 388,535. PUBLISHED APRIL 13, 1937. Class 39.

347,599. BELTING MADE OF SILK, RAYON, COTTON, AND MIXTURES THEREOF. THE TAYLOR-FRIEDSAM COMPANY, New York, N. Y.
Filed February 4, 1937. Serial No. 388,553. PUBLISHED APRIL 20, 1937. Class 42.

347,600. LADIES' DRESSES. GALLANT FROCKS, INC., New York, N. Y.
Filed February 5, 1937. Serial No. 388,572. PUBLISHED APRIL 13, 1937. Class 39.

347,601. PREPARATION FOR NASAL APPLICATION IN THE TREATMENT OF COLDS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed February 5, 1937. Serial No. 388,584. PUBLISHED APRIL 13, 1937. Class 6.

347,602. HEALING OINTMENT PREPARATION FOR MEDICINAL PURPOSES. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed February 5, 1937. Serial No. 388,585. PUBLISHED APRIL 13, 1937. Class 6.

347,603. INDUSTRIAL AND HOUSEHOLD CLEANING COMPOUND FOR AUTOMOBILES, AUTOMOBILE EQUIPMENT, MACHINERY, ENGINES, FLOORS, CLOTHING AND TEXTILES, AND THE LIKE; SAID CLEANING COMPOUND BEING A SOLVENT FOR OILS AND GREASE. JOHNS-MANVILLE CORPORATION, New York, N. Y.
Filed February 6, 1937. Serial No. 388,616. PUBLISHED APRIL 20, 1937. Class 4.

347,604. ANTI-ASTHMATIC. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y.
Filed February 8, 1937. Serial No. 388,630. PUBLISHED APRIL 13, 1937. Class 6.

347,605. CHEMOTHERAPEUTIC AGENT FOR STREPTOCOCCIC AND STAPHYLOCOCCIC INFECTIONS. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y.
Filed February 8, 1937. Serial No. 388,631. PUBLISHED APRIL 20, 1937. Class 6.

347,606. COMPOSITION PRODUCTS OF CAST SYNTHETIC RESIN. THE MARBLETTE CORPORATION, Long Island City, N. Y.
Filed February 8, 1937. Serial No. 388,647. PUBLISHED APRIL 20, 1937. Class 1.

347,607. TOILET PAPER. STEVENS & THOMPSON PAPER COMPANY, New York, N. Y.
Filed February 8, 1937. Serial No. 388,662. PUBLISHED APRIL 20, 1937. Class 37.

347,608. AMMONIUM SULFATE, AMMONIUM CHLORIDE, CAUSTIC SODA, CAUSTIC POTASH, FLAKE LYE, ETC. GREAT WESTERN ELECTRO-CHEMICAL COMPANY, San Francisco, Calif.
Filed February 9, 1937. Serial No. 388,676. PUBLISHED APRIL 20, 1937. Class 6.

347,609. AMMONIUM SULFATE, AMMONIUM CHLORIDE, CAUSTIC SODA, CAUSTIC POTASH, FLAKE LYE, ETC. GREAT WESTERN ELECTRO-CHEMICAL COMPANY, San Francisco, Calif.
Filed February 9, 1937. Serial No. 388,677. PUBLISHED APRIL 20, 1937. Class 6.

347,610. AMMONIUM SULFATE, AMMONIUM CHLORIDE, CAUSTIC SODA, CAUSTIC POTASH, FLAKE LYE, ETC. GREAT WESTERN ELECTRO-CHEMICAL COMPANY, San Francisco, Calif.
Filed February 9, 1937. Serial No. 388,678. PUBLISHED APRIL 20, 1937. Class 6.

347,611. MEN'S OUTER SUITS. ROGERS PEET COMPANY, New York, N. Y.
Filed February 9, 1937. Serial No. 388,686. PUBLISHED APRIL 13, 1937. Class 39.

347,612. ARCHITECTURAL WALL PANELS. STANDARD WALL COVERING COMPANY, INC., Philadelphia, Pa.
Filed February 9, 1937. Serial No. 388,690. PUBLISHED APRIL 13, 1937. Class 12.

347,613. PERFUME. PARFUMS CHARBERT, INC., New York, N. Y.
Filed February 10, 1937. Serial No. 388,722. PUBLISHED APRIL 20, 1937. Class 6.

347,614. CLOTHING—NAMELY, MEN'S SUITS. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio.
Filed February 10, 1937. Serial No. 388,730. PUBLISHED APRIL 13, 1937. Class 39.

347,615. CLOTHING—NAMELY, MEN'S SUITS. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio.
Filed February 10, 1937. Serial No. 388,731. PUBLISHED APRIL 13, 1937. Class 39.

347,616. IRONING BOARDS. THE BREWER-TITCHENER CORPORATION, Cortland, N. Y.
Filed February 11, 1937. Serial No. 388,761. PUBLISHED APRIL 20, 1937. Class 24.

347,617. LADIES' AND MISSES' SWEATERS AND DRESSES. COHEN BROS. CORP., New York, N. Y.
Filed February 11, 1937. Serial No. 388,767. PUBLISHED APRIL 13, 1937. Class 39.

347,618. SEDATIVE-HYPNOTIC PHARMACEUTICAL PREPARATION IN TABLET FORM. CHARLES C. HASKELL & Co., INC., Richmond, Va.
Filed February 11, 1937. Serial No. 388,774. PUBLISHED APRIL 20, 1937. Class 6.

347,619. HOSIERY FOR MEN, WOMEN, AND CHILDREN. HERBERT HOSIERY MILLS, INC., Norristown, Pa.
Filed February 11, 1937. Serial No. 388,775. PUBLISHED APRIL 20, 1937. Class 39.

347,620. MEN'S AND WOMEN'S COATS AND SUITS. FRANK LEVINSOHN & BROS. INC., New York, N. Y.
Filed February 11, 1937. Serial No. 388,786. PUBLISHED APRIL 20, 1937. Class 39.

347,621. MEDICAL PREPARATION FOR THE TREATMENT OF ACUTE RHEUMATIC FEVER (ACUTE ARTICULAR RHEUMATISM). PHILIP BARTOLI, Philadelphia, Pa.
Filed February 12, 1937. Serial No. 388,826. PUBLISHED APRIL 20, 1937. Class 6.

347,622. WITCH HAZEL SALVE OR OINTMENT. LANMAN & KEMP-BARCLAY & CO. INCORPORATED, New York, N. Y.
Filed February 12, 1937. Serial No. 388,841. PUBLISHED APRIL 20, 1937. Class 6.

347,623. MEN'S AND WOMEN'S COATS AND SUITS. FRANK LEVINSOHN & BROS. INC., New York, N. Y.
Filed February 12, 1937. Serial No. 388,842. PUBLISHED APRIL 20, 1937. Class 39.

347,624. CHEMICAL COMPOUND FOR IMPROVING THE VISCOSITY TEMPERATURE RELATIONSHIP OF LUBRICATING OILS. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J.
Filed February 12, 1937. Serial No. 388,855. PUBLISHED APRIL 20, 1937. Class 6.

347,625. WHISKEY AND GIN. A. H. STOLL CO., doing business as Morville Liquor Corp., San Francisco, Calif.
Filed February 12, 1937. Serial No. 388,856. PUBLISHED APRIL 20, 1937. Class 49.

347,626. WINDOW CURTAINS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed February 13, 1937. Serial No. 388,873. PUBLISHED APRIL 20, 1937. Class 42.

347,627. CHOCOLATES AND CANDIES. SOCIETE MENIER, Paris, France.
Filed February 13, 1937. Serial No. 388,874. PUBLISHED APRIL 20, 1937. Class 46.

347,628. FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES. ANGELES FRUIT & PRODUCE CO., INC., Los Angeles, Calif.
Filed February 15, 1937. Serial No. 388,889. PUBLISHED APRIL 13, 1937. Class 46.

347,629. PLAIN AND PRINTED RAYON AND ACETATE CLOTH IN THE PIECE. CHOPAK TEXTILE CO. INC., New York, N. Y.
Filed February 15, 1937. Serial No. 388,913. PUBLISHED APRIL 20, 1937. Class 42.

347,630. CITRUS FRUITS. ARTHUR S. HOLDEN, doing business as Gavilan Citrus Association, Arlington, Calif.
Filed February 15, 1937. Serial No. 388,937. PUBLISHED APRIL 20, 1937. Class 46.

347,631. NONALCOHOLIC, CARBONATED BEVERAGES. APEX BEVERAGE CO., Pittsburgh, Pa.
Filed February 16, 1937. Serial No. 388,971. PUBLISHED APRIL 20, 1937. Class 45.

347,632. MISSES' AND LADIES' COATS AND SUITS. KAUFMAN-HERSTONE, INC., New York, N. Y.
Filed February 16, 1937. Serial No. 388,985. PUBLISHED APRIL 20, 1937. Class 39.

347,633. DOG FOOD AND CAT FOOD. VIMPEP FOODS, INC., Cambridge, Md.
Filed February 16, 1937. Serial No. 388,998. PUBLISHED APRIL 20, 1937. Class 46.

347,634. FERTILIZERS. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va.
Filed February 16, 1937. Serial No. 389,000. PUBLISHED APRIL 20, 1937. Class 10.

347,635. CAST METAL ARTICLES HAVING A SURFACE LAYER OF HARD GRANULAR MINERAL ELEMENTS—NAMELY, STAIR TREADS, ELEVATOR DOOR SILLS, AND DOOR SADDLES, AND OTHER ANTI-SLIP WALKWAY SURFACES. AMERICAN ABRASIVE METALS COMPANY, New York, N. Y.
Filed February 17, 1937. Serial No. 389,005. PUBLISHED APRIL 20, 1937. Class 12.

347,636. CAST METAL ARTICLES HAVING A SURFACE LAYER OF HARD GRANULAR MINERAL ELEMENTS—NAMELY, STAIR TREADS, ELEVATOR DOOR SILLS, AND DOOR SADDLES, AND OTHER ANTI-SLIP WALKWAY SURFACES. AMERICAN ABRASIVE METALS COMPANY, New York, N. Y.
Filed February 17, 1937. Serial No. 389,006. PUBLISHED APRIL 20, 1937. Class 12.

347,637. ASPIRIN TABLETS. ELJAY CORPORATION, Chicago, Ill.
Filed February 17, 1937. Serial No. 389,014. PUBLISHED APRIL 20, 1937. Class 6.

347,638. WOMEN'S AND MISSES' BLOUSES, DRESSES, SKIRTS, AND PLAYSUITS. WILLIAMSBRIDGE MILLS, INC., New York, N. Y.
Filed February 17, 1937. Serial No. 389,026. PUBLISHED APRIL 13, 1937. Class 39.

347,639. TOY BUILDING BLOCKS. SAUL R. SHAPIRO, Brooklyn, N. Y.
Filed February 17, 1937. Serial No. 389,040. PUBLISHED APRIL 20, 1937. Class 22.

347,640. SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAM, SHAVING STICKS, SHAVING POWDER, ETC. SHULTON, INC., New York, N. Y.
Filed February 17, 1937. Serial No. 389,041. PUBLISHED APRIL 20, 1937. Class 4.

347,641. CANNED FRUITS AND VEGETABLES, SPAGHETTI, COFFEE, TEA, PEANUT BUTTER, BAKED BEANS, MUSTARD AND MUSTARD BRAN, AND SWEET PICKLES. ALLEN, SLADE & CO. INC., Fall River, Mass.
Filed February 18, 1937. Serial No. 389,050. PUBLISHED APRIL 13, 1937. Class 46.

347,642. KNITTED AND WOVEN WOOLEN AND WORSTED CLOTHS, JERSEY CLOTHS, EIDERDOWNS, CHINCHILLAS, AND SPECIAL KNITTED FABRICS HAXING FLEECY PILE OR SURFACE, IN THE PIECE. CONTINENTAL MILLS, INC., Philadelphia ,Pa.
Filed February 18, 1937. Serial No. 389,055. PUBLISHED APRIL 20, 1937. Class 42.

347,643. CHEMICAL COMPOSITIONS USED IN THE DRY CLEANING OF TEXTILES. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y.
Filed February 18, 1937. Serial No. 389,092. PUBLISHED APRIL 20, 1937. Class 4.

347,644. SHAVING SOAP AND A SHAVING CREAM. GEORGE JOSEPH BASEL, doing business as Basel Co., Cleveland, Ohio.
Filed February 19, 1937. Serial No. 389,109. PUBLISHED APRIL 20, 1937. Class 4.

347,645. MACARONI. MARIO TANZI, doing business as Mario Tanzi Co., Chicago, Ill.
Filed February 19, 1937. Serial No. 389,157. PUBLISHED APRIL 20, 1937. Class 46.

347,646. WATERPROOF OUTER GARMENTS—NAMELY, CHILDREN'S RAIN COATS. CABLE RAINCOAT COMPANY, Boston, Mass.
Filed February 20, 1937. Serial No. 389,168. PUBLISHED APRIL 20, 1937. Class 39.

347,647. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed February 20, 1937. Serial No. 389,182. PUBLISHED APRIL 20, 1937. Class 39.

347,648. CRACKERS, CAKES, AND COOKIES. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y.
Filed February 20, 1937. Serial No. 389,188. PUBLISHED APRIL 20, 1937. Class 46.

347,649. MEN'S OVERCOATS AND TOP COATS. C. B. SHANE CORPORATION, Chicago, Ill.
Filed February 20, 1937. Serial No. 389,199. PUBLISHED APRIL 20, 1937. Class 39.

347,650. CAMERAS. UNIVERSAL CAMERA CORPORATION, New York, N. Y.
Filed February 20, 1937. Serial No. 389,202. PUBLISHED APRIL 20, 1937. Class 26.

347,651. SULPHUR ASPHALT COMPOUNDS TO BE USED IN THE COMPOUNDING OF CEMENT. TEXAS GULF SULPHUR COMPANY, New York, N. Y.
Filed February 20, 1937. Serial No. 389,203. PUBLISHED APRIL 20, 1937. Class 12.

347,652. PHOTOGRAPHS, ESPECIALLY NATURAL COLOURED PHOTOGRAPHS, AND PHOTO-MECHANICAL REPRODUCTIONS OF THE SAME. COLOUR PHOTOGRAPHS (BRITISH & FOREIGN) LIMITED, London, England.
Filed February 23, 1937. Serial No. 389,234. PUBLISHED APRIL 20, 1937. Class 38.

347,653. MARBLE TILE. VERMONT MARBLE COMPANY, Proctor, Vt.
Filed February 23, 1937. Serial No. 389,278. PUBLISHED APRIL 20, 1937. Class 12.

347,654. TYPEWRITER RIBBONS AND CARBON PAPERS. COLUMBIA RIBBON & CARBON MFG. CO., INC., Glen Cove, N. Y.
Filed February 24, 1937. Serial No. 389,306. PUBLISHED APRIL 20, 1937. Class 11.

347,655. FRESH, FROZEN, DRIED, AND CANNED MEAT AND PRODUCTS PREPARED THEREFROM—NAMELY, TONGUE, BRAINS, KIDNEYS, LIVER, HEARTS, TRIPE, TAILS, MARROW, CALF'S FEET, AND SAUSAGES. CORPORACION ARGENTINA DE PRODUCTORES DE CARNES, Buenos Aires, Argentina.
Filed February 24, 1937. Serial No. 389,307. PUBLISHED APRIL 20, 1937. Class 46.

347,656. LIQUID DETERGENT COMPOUND USED IN LAUNDERING AND CLEANING PROCESSES. HERCULES POWDER COMPANY, Wilmington, Del.
Filed February 24, 1937. Serial No. 389,318. PUBLISHED APRIL 20, 1937. Class 4.

347,657. BEER. LUCHOW IMPORTING CORPORATION, New York, N. Y.
Filed February 24, 1937. Serial No. 389,324. PUBLISHED APRIL 20, 1937. Class 48.

347,658. POWDER FOR CLEANING DENTURES AND DENTURE PLATES. JAMES C. MEGQUIER, doing business as Lustre Laboratories, Lynn, Mass.
Filed February 24, 1937. Serial No. 389,326. PUBLISHED APRIL 20, 1937. Class 4.

347,659. EDIBLE VEGETABLE OILS. UNITED PURE FOOD CO., New York, N. Y.
Filed February 24, 1937. Serial No. 389,338. PUBLISHED APRIL 20, 1937. Class 46.

347,660. STORAGE BATTERIES. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Wilmington, Del., and Akron, Ohio.
Filed February 25, 1937. Serial No. 389,352. PUBLISHED APRIL 20, 1937. Class 21.

347,661. STORAGE BATTERIES. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Wilmington, Del., and Akron, Ohio.
Filed February 25, 1937. Serial No. 389,353. PUBLISHED APRIL 20, 1937. Class 21.

347,662. STORAGE BATTERIES. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Wilmington, Del., and Akron, Ohio.
Filed February 25, 1937. Serial No. 389,355. PUBLISHED APRIL 20, 1937. Class 21.

347,663. CLEANING COMPOUND FOR FABRICS, DISHES, AND FLOORS, AUTOMOBILES, FURNITURE, UPHOLSTERY, AND RUGS. PARFUMS DUVEE, INC., New York, N. Y.
Filed February 25, 1937. Serial No. 389,372. PUBLISHED APRIL 20, 1937. Class 4.

347,664. IGNITION CABLE, IGNITION WIRE, AND FRICTION TAPE. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C.
Filed February 25, 1937. Serial No. 389,387. PUBLISHED APRIL 20, 1937. Class 21.

347,665. MONTHLY MAGAZINE. GLOBE MAGAZINES, INC., St. Paul, Minn.
Filed February 25, 1937. Serial No. 389,394. PUBLISHED APRIL 20, 1937. Class 38.

347,666. MEN'S SUITS AND OVERCOATS. P & Q SHOPS INC., New York, N. Y.
Filed February 25, 1937. Serial No. 389,395. PUBLISHED APRIL 20, 1937. Class 39.

347,667. VENETIAN BLINDS. CAREY-MCFALL CO., Philadelphia, Pa.
Filed February 26, 1937. Serial No. 389,404. PUBLISHED APRIL 20, 1937. Class 32.

347,668. VENETIAN BLINDS. CAREY-MCFALL CO., Philadelphia, Pa.
Filed February 27, 1937. Serial No. 389,455. PUBLISHED APRIL 20, 1937. Class 32.

347,669. FRESH VEGETABLES. SCHOFEL BROS., INC., Newark, N. J.
Filed February 27, 1937. Serial No. 389,478. PUBLISHED APRIL 20, 1937. Class 46.

347,670. LADIES' AND MISSES' DRESSES AND BLOUSES. MAX DUNN, Philadelphia, Pa.
Filed March 1, 1937. Serial No. 389,505. PUBLISHED APRIL 20, 1937. Class 39.

347,671. HORSE AND MULE FEED, LAYING MASH, SCRATCH FEED, 24 PERCENT DAIRY FEED, AND 16 PERCENT DAIRY FEED. WESTERN GRAIN COMPANY, Birmingham, Ala.
Filed March 1, 1937. Serial No. 389,538. PUBLISHED APRIL 20, 1937. Class 46.

347,672. HORSE AND MULE FEED, DAIRY FEED, LAYING MASH, GROWING MASH, ALL MASH CHICK STARTER, GROUND YELLOW CORN, SCRATCH FEED. WESTERN GRAIN COMPANY, Birmingham, Ala.
Filed March 1, 1937. Serial No. 389,539. PUBLISHED APRIL 20, 1937. Class 46.

347,673. PERIODICAL. C. D. HUDSON, doing business as Places Publishing Associates, Washington, D. C.
Filed March 2, 1937. Serial No. 389,559. PUBLISHED APRIL 30, 1937. Class 38.

347,674. CRACKERS, CAKES, AND COOKIES. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y.
Filed March 6, 1937. Serial No. 389,740. PUBLISHED APRIL 20, 1937. Class 46.

347,675. ARTIFICIAL FISH BAIT. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed March 13, 1937. Serial No. 390,019. PUBLISHED APRIL 20, 1937. Class 22.

347,676. GAMES PLAYED WITH PLAYING CARDS, COUNTERS, AND SCORE CARDS. THE CHECARD COMPANY, Minneapolis, Minn.
Filed March 15, 1937. Serial No. 390,044. PUBLISHED APRIL 20, 1937. Class 22.

[ACT OF FEBRUARY 20, 1905, AS AMENDED JUNE 20, 1936]

347,456. CHEESE. VEREENIGING "HET KAASMERK", Leyden, Netherlands.
Filed June 5, 1930. Serial No. 302,197. PUBLISHED APRIL 13, 1937. Class 46.

347,457. CHEESE. VEREENIGING "HET KAASMERK", Leyden, Netherlands.
Filed June 5, 1930. Serial No. 302,198. PUBLISHED APRIL 13, 1937. Class 46.

347,458. CHEESE. VEREENIGING "HET KAASMERK", Leyden, Netherlands.
Filed June 5, 1930. Serial No. 302,199. PUBLISHED APRIL 13, 1937. Class 46.

347,459. CHEESE. VEREENIGING "HET KAASMERK", Leyden, Netherlands.
Filed June 5, 1930. Serial No. 302,200. PUBLISHED APRIL 13, 1937. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

347,677. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE BURGESS COMPANY, INC., Beaver Falls, Pa. Filed Nov. 28, 1934. Serial No. 358,717.

NEU-TAK

For Machine Staples and Staple Blanks.
Claims use since Sept. 7, 1934.

347,678. (CLASS 39. CLOTHING.) WOHL SHOE COMPANY, St. Louis, Mo. Filed Sept. 9, 1935. Serial No. 369,146.

paris fashions

For Shoes, Particularly for Ladies' and Misses' Shoes Made of Leather or Fabric or Combinations of the Same.
Claims use since Aug. 1, 1929.

347,679. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GOODMAN & COMPANY, INC., Indianapolis, Ind. Filed Dec. 24, 1935. Serial No. 373,030.

SAFESET

For Finger Rings, Including Wedding Rings, Brooches, Necklaces, Pins, Including Scarf Pins, and Emblems as Articles of Jewelry, Made of Precious Metals.
Claims use since Dec. 18, 1935.

347,680. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MESHKOTE CORPORATION, Cleveland, Ohio. Filed Apr. 6, 1936. Serial No. 376,856.

MESHKOTE BRAND

For Ready Mixed Paints, Paint Enamels, and Lacquers.
Claims use since Feb. 1, 1936.

347,681. (CLASS 39. CLOTHING.) THE MONDL MANUFACTURING COMPANY, Oshkosh, Wis. Filed Apr. 30, 1936. Serial No. 377,852.

PLA-SHU

For Footwear, and Particularly Shoes Made of Leather by Shoe-Maker's Methods.
Claims use since Apr. 1, 1931.

347,682. (CLASS 32. FURNITURE AND UPHOLSTERY.) BULLOCK'S, INC., Los Angeles, Calif. Filed May 8, 1936. Serial No. 378,181.

Louisiancos

For Furniture—Namely, Dining, End, Lamp, Coffee, Card, and Night Tables, Commodes, Bookcases, Wall Racks, Desks, Sofas, Love Seats, Chairs, Servers, Cupboards, Dressers, Vanity Dressers, Vanity Benches, Mirrors, Beds, and Chests of Drawers.
Claims use since Apr. 21, 1936.

347,683. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) COHN & ROSENBERGER, INC., New York, N. Y. Filed May 13, 1936. Serial No. 378,394.

AMERICANA

For Pins, Clips, Hair Ornaments, Badges, Coin Purses, Mesh Bags, Match Boxes, Lipstick Holders, Comb Cases, Cigarette Cases, Buckles, Charms, Knives, Key Chains, Tie Holders, Buttons, Tee Holders, Scarf Holders, Hat Ornaments, Dress Ornaments, and Beads, All Made in Whole or in Part of Precious Metal, and Necklaces, Pendants, Bracelets, Earrings, Brooches, Finger Rings, Compacts Made of or Plated with Precious Metal, Tiaras, Pearls, and Lockets.
Claims use since May 1, 1936.

347,684. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. BUTTON CORPORATION, New York, N. Y. Filed June 6, 1936. Serial No. 379,374.

NU TALC

For Talcum Powder.
Claims use since May 7, 1936.

347,685. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ERWIN COTTON MILLS CO., West Durham, N. C. Filed June 12, 1936. Serial No. 379,609.

NuBLU PROCESS

The word "Process" is disclaimed aside from the mark.
For Denims in the Piece.
Claims use since May 9, 1936.

347,686. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) UNITED AMERICAN BOSCH CORPORATION, Springfield, Mass. Filed June 13, 1936. Serial No. 379,725.

Kabinette

For Hot Water Heaters Employing Gas or Electricity as Fuel.
Claims use since May 22, 1936.

347,687. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHMOND-CHASE COMPANY, San Jose, Calif. Filed July 20, 1936. Serial No. 381,221.

JUICIDRINKS

For Fruit and Vegetable Juices for Food Purposes.
Claims use since May 11, 1936.

347,688. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) YOUNG'S INC., Providence, R. I. Filed Dec. 17, 1936. Serial No. 386,880.

HAMILTON

For Watch Chains, Tie Chains, Key Chains, Compacts, Bracelets, Wrist Watch Straps, Cuff Links, Scarf Pins, Collar Buttons, Collar Holders, Pins, Brooches, Finger Rings, Cigar Cases, Cigarette Cases, and Hand Bags, All Made Wholly or Partly of, or Plated Wholly or Partly with, Precious Metal.
Claims use since Sept. 6, 1934.

347,689. (CLASS 37. PAPER AND STATIONERY.) THE PRAGER CO., INC., Worcester, Mass. Filed Jan. 16, 1937. Serial No. 387,878.

VOGUE

For Wallpaper.
Claims use since 1908.

347,690. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BROAD BROOK COMPANY, Broad Brook, Conn. Filed Jan. 18, 1937. Serial No. 387,886.

PEBBLE TWEED

For Cloth—Namely, Woolens and Worsted Fabrics, All in the Bolt or Piece and for Use as Upholstery Material, Overcoating, and Automobile Robes and Blankets.
Claims use since Dec. 1, 1931.

347,691. (CLASS 39. CLOTHING.) CHIC MANUFACTURING CO., Peoria, Ill. Filed Feb. 20, 1937. Serial No. 389,169.

FayKay

For Women's and Misses' Wearing Apparel—Namely, Dresses, Smocks, Work Uniforms, Dress Uniforms, Aprons, and Pajamas.
Claims use since August, 1933.

347,692. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE CO., St. Louis, Mo. Filed Feb. 20, 1937. Serial No. 389,181.

ROBERTS, JOHNSON & RAND SERVICE

For Boots and Shoes of Leather, Fabric, and/or Combinations Thereof.
Claims use since 1898.

347,693. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) DUFAYCOLOR, INC., New York, N. Y. Filed Mar. 2, 1937. Serial No. 389,547.

DUFAYCOLOR

For Photographic Films and Photographic Filters.
Claims use since Feb. 15, 1935.

347,694. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) NATIONAL SILVER COMPANY, New York, N. Y. Filed Apr. 16, 1937. Serial No. 391,432.

CHELTENHAM
AND COMPANY

For Sterling Silver and Silver Plated Flatware, Hollow Ware, and Tableware.
Claims use since Mar. 2, 1936.

347,695. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MALLINSON FABRICS CORPORATION, New York, N. Y. Filed May 6, 1937. Serial No. 392,378.

Mallinson

For Woven, Knitted, Netted, and Pile Fabrics in the Piece Made of Silk, Wool, Cotton, Synthetic Yarns, and Tinsel, or Combinations Thereof.
Claims use since 1915.

TRADE-MARK REGISTRATIONS RENEWED

14,371. MUSTARD. Registered May 10, 1887. WILLIAM JOHN BELLVILLE, trading as Keen, Robinson & Bellville, London, England. Re-renewed May 10, 1937, to Keen, Robinson & Company Limited, Norwich, England, a corporation of Great Britain, assignee.

108,416. A PREPARATION FOR THE STOMACH, LIVER, AND BOWELS. Registered February 8, 1916. THE BLACKO MEDICINE CO. Renewed February 8, 1936, to Blacko Medicine Company, Charleston, W. Va., a partnership, successor.

116,686. CEREAL BEVERAGES SOLD AS SOFT DRINKS. Registered May 15, 1917. THE PETER SCHOENHOFEN BREWING COMPANY. Renewed May 15, 1937, to Schoenhofen Edelweiss Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

116,958. PRINTING-PAPER AND WRITING-PAPER. Registered June 5, 1917. HENRY LINDENMEYER & SONS. Renewed June 5, 1937, to Henry Lindenmeyer & Sons, New York, N. Y., a corporation of New York, successor.

117,186. CREAMERY-BUTTER. Registered June 19, 1917. MUTUAL CREAMERY COMPANY, Salt Lake City, Utah, a corporation of Utah. Renewed June 19, 1937.

117,187. CREAMERY-BUTTER. Registered June 19, 1917. MUTUAL CREAMERY COMPANY, Salt Lake City, Utah, a corporation of Utah. Renewed June 19, 1937.

117,268. WOMEN'S, CHILDREN'S, AND INFANTS' COATS, CLOAKS, WRAPS, AND CAPES. Registered June 26, 1917. THE SALT'S TEXTILE MANUFACTURING COMPANY. Renewed June 26, 1937, to The Saltex Looms, Inc., Bridgeport, Conn., and New York, N. Y., a corporation of Delaware, assignee.

117,269. WOMEN'S, CHILDREN'S, AND INFANTS' COATS, CLOAKS, WRAPS, CAPES, DRESSES, DRESS-WAISTS, AND OUTER SKIRTS. Registered June 26, 1917. THE SALT'S TEXTILE MANUFACTURING COMPANY. Renewed June 26, 1937, to The Saltex Looms, Inc., Bridgeport, Conn., and New York, N. Y., a corporation of Delaware, assignee.

117,681. A DISINFECTANT. Registered July 24, 1917. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y. Renewed July 24, 1937, to McKesson & Robbins, Incorporated, Fairfield, Conn., a corporation of Maryland, assignee.

117,873. A SUBSTITUTE FOR BUTTER. Registered August 7, 1917. B. J. JOHNSON SOAP CO., INC., Milwaukee, Wis. Renewed August 7, 1937, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, assignee by mesne assignments.

118,230. WATER IN ITS NATURAL STATE AND CARBONATED WATER. Registered August 21, 1917. SIEUR DE MONTS SPRING COMPANY, Bar Harbor, Maine, a corporation of Maine. Renewed August 21, 1937.

118,560. CANDIES. Registered September 18, 1917. NATIONAL CANDY COMPANY, Jersey City, N. J., and St. Louis, Mo. Renewed September 18, 1937, to The National Candy Company, St. Louis, Mo., a corporation of New Jersey.

118,880. SWEAT-BANDS FOR HATS. Registered October 9, 1917. BRIGHAM HOPKINS CO. Renewed October 9, 1937, to Nacirema, Incorporated, Baltimore, Md., a corporation of Maryland, successor.

119,044. WHEAT-FLOUR. Registered October 23, 1917. THE COLORADO MILLING & ELEVATOR CO., Denver and Pueblo, Colo. Renewed October 23, 1937, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

119,045. WHEAT-FLOUR. Registered October 23, 1917. THE COLORADO MILLING & ELEVATOR CO., Denver and Pueblo, Colo. Renewed October 23, 1937, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

119,073. AGRICULTURAL IMPLEMENTS—NAMELY, CULTIVATORS AND CULTIVATOR-BLADES. Registered October 23, 1917. THE HARRIMAN MANUFACTURING COMPANY, Harriman, Tenn., a corporation of Tennessee. Renewed October 23, 1937.

119,178. REFRACTORY MATERIALS FOR FURNACE-LININGS AND THE LIKE. Registered October 30, 1917. THE DOLOMITE PRODUCTS COMPANY. Renewed October 30, 1937, to Basic Dolomite, Incorporated, Cleveland, Ohio, a corporation of Ohio, assignee by mesne assignments.

119,238. OXYGEN, ACETYLENE, AND NITROGEN. Registered November 13, 1917. AIR REDUCTION COMPANY. Renewed November 13, 1937, to Air Reduction Sales Company, New York, N. Y., a corporation of Delaware, assignee.

119,405. CALCIUM CARBID. Registered November 13, 1917. UNION CARBIDE COMPANY, New York, N. Y., a corporation of Virginia. Renewed November 13, 1937.

LABELS
REGISTERED JUNE 29, 1937

49,552.—*Title:* ASEXUAL AND BISEXUAL BRINE SHRIMP EGGS. For Asexual and Bisexual Brine Shrimp Eggs. ST. ELMO ABERNATHY, Berkeley, Calif. Published May 4, 1937.

49,553.—*Title:* MEAL WORMS TENEBRIA MOLITOR L., COLEOPTERA. For Meal Worms. ST. ELMO ABERNATHY, Berkeley, Calif. Published May 10, 1937.

49,554.—*Title:* ADA MILLING CO. FLOUR (DARK BLUE, LIGHT BLUE, RED, GREEN AND WHITE PATTERN). For Flour. ADA MILLING CO., Ada, Okla. Published November 16, 1936.

49,555.—*Title:* ADMIRACION SOLUTIZED LATHERING OIL SHAMPOO. For Lathering Oil Shampoo. ADMIRACION LABORATORIES INC., Harrison, N. J. Published April 23, 1937.

49,556.—*Title:* DIRECTIONS FOR PROFESSIONAL USE. For Lathering Oil Shampoo. ADMIRACION LABORATORIES INC., Harrison, N. J. Published March 23, 1937.

49,557.—*Title:* ADMIRACION FOAMY OIL SHAMPOO. For Foamy Oil Shampoo. ADMIRACION LABORATORIES INC., Harrison, N. J. Published March 23, 1937.

49,558.—*Title:* ADMIRACION HAIR TONIC. For a Hair Dressing and Scalp Tonic. ADMIRACION LABORATORIES, INC., Harrison, N. J. Published March 23, 1937.

49,559.—*Title:* ADMIRACION OLIVE OIL SHAMPOO TREATMENT. For Olive Oil Shampoo. ADMIRACION LABORATORIES, INC., Harrison, N. J. Published March 23, 1937.

49,560.—*Title:* BEECH-NUT GINGER MOLASSES CHIPS. For Ginger Molasses Chips. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published May 10, 1937.

49,561.—*Title:* GRAYFLEX. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published June 1, 1937.

49,562.—*Title:* BLOCK'S ICE CREAM. For Ice Cream. BLOCK'S ICE CREAM, INC., Alton, Ill. Published July 10, 1936.

49,563.—*Title:* MENORAH BRAND-AMERICAN LIGHT MALAGA WINE. For American Light Malaga Wine. BROADWAY CENTRAL LIQUOR CO. INC., New York, N. Y. Published March 8, 1937.

49,564.—*Title:* BEAUTIFUL SHOES. For Shoes. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published April 3, 1937.

49,565.—*Title:* CHILI-MIX. For a Mixed Vegetable Base for Soups, Stews, Mexican Chili, etc. CLINE-JOHNSTON, INC., Owosso, Mich. Published March 19, 1937.

49,566.—*Title:* DRINK COCA-COLA. For Coca-Cola. THE COCA-COLA COMPANY, Wilmington, Del. Published February 2, 1937.

49,567.—*Title:* MIEL PURA DE ABEJAS. For Honey. CUBAN HEALTH PRODUCTS, INC., Lansing, Mich. Published June 30, 1936.

49,568.—Title: POMAY Rx 7. For Ointment Used in Method of Weight Reduction. CUTASY LABORATORIES, INC., New York, N. Y. Published February 4, 1937.

49,569.—*Title:* LIQUIDO TAPATIC. For Laxative Compound. RODOLFO DE SOTO, Tucson, Ariz. Published September 4, 1935.

49,570.—*Title:* ENDO (EL-) LYSATE. For Endocrine Lysates. ENDO-LYSATE CO., Los Angeles, Calif. Published March 12, 1937.

49,571.—*Title:* COUNTRY COLONEL. For Irish Potatoes. THE ESMERALDA CANNING CO., Circleville, Ohio. Published January 10, 1937.

49,572.—*Title:* YANKEE CLIPPER. For Shoes. MITCHELL ETTMAN CO. INC., New York, N. Y. Published February 15, 1937.

49,573.—*Title:* SERV-A-PLATE. For Candies and Nuts. GILBERT F. FITZGERALD, doing business as 20th Century Candy Co., Milwaukee, Wis. Published September 25, 1936.

49,574.—*Title:* DELCO HYDRAULIC BRAKE SERVICE PARTS. For Hydraulic Brake Service Parts. GENERAL MOTORS CORPORATION, doing business as Delco Brake Division of General Motors Corporation, Dayton, Ohio. Published February 5, 1937.

49,575.—*Title:* AROMA SUPER-CURL, STEAM-OIL RECONDITIONER SOLUTION. For Steam Oil Solution for the Hair. GOLD BOND COMPANY, Omaha, Nebr. Published April 7, 1937.

49,576.—*Title:* HALL'S BIAS FOLD TAPE. For Tape. THE GARDINER HALL JR. CO., Willington, Conn. Published April 8, 1937.

49,577.—*Title:* DR. HERRING'S GINGER ALE. For Ginger Ale. HERRING GINGER ALE INC., Jacksonville, Fla. Published May 22, 1937.

49,578.—*Title:* BEAUTIFUL FOOTWEAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 5, 1937.

49,579.—*Title:* BEAUTIFUL SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published April 14, 1937.

49,580.—*Title:* HOPPE'S NITRO POWDER SOLVENT (NO. 9). For Nitro Powder Solvent No. 9. FRANK A. HOPPE, INC., Philadelphia, Pa. Published April 23, 1937.

49,581.—*Title:* MARYLAND ROSE. For a Blend of Straight Whiskey. KASKO DISTILLERS PRODUCTS CORP., Philadelphia, Pa. Published March 8, 1937.

49,582.—*Title:* ADIRONDACK GARDENS, ADIRONDACK'S BEST BRAND. For Fresh Vegetables. WALTER AUBREY LANGDON, Malone, N. Y. Published August 8, 1936.

49,583.—*Title:* ANAHUAC BRAND. For Piquant Peppers. BENJAMIN P. MANNING, Garden Villas, Houston, Tex. Published April 8, 1937.

49,584.—*Title:* OLD MISSION COFFEE. For Coffee. MCCABE COFFEE COMPANY, Albuquerque, N. Mex. Published March 1, 1937.

49,585.—*Title:* MECCANO MICROSCOPE SET. For Microscope Sets. THE MECCANO COMPANY OF AMERICA, INC., New Haven, Conn., and New York, N. Y. Published May 17, 1937.

49,586.—*Title:* BROTH O'WHEAT. For Liquid, Meatless Bouillon Concentrate. MERCHANTS EXTRACT COMPANY, Denver, Colo. Published March 24, 1937.

49,587.—*Title:* RADIANT. For Polish. MIDWAY CHEMICAL COMPANY, Chicago, Ill. Published March 27, 1937.

49,588.—*Title:* TODAY'S SLICED BREAD. For Bread. MINERVA WAX PAPER CO., Minerva, Ohio. Published April 23, 1937.

49,589.—*Title:* DELICIOUS RYE BREAD. For Bread. MINERVA WAX PAPER CO., Minerva, Ohio. Published April 23, 1937.

49,590.—*Title:* SPLENDID BREAD. For Bread. MINERVA WAX PAPER CO., Minerva, Ohio. Published April 23, 1937.

49,591.—*Title:* AGI-PAK. For Canned Corn. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Published September 25, 1934.

49,592.—*Title:* HI-PEAK. For Lubricants. MOUNTAIN STATE OIL AND SUPPLY COMPANY, Huntington, W. Va. Published November 15, 1936.

49,593.—*Title:* VAI BROS. For California Vermouth. PADRE VINEYARD COMPANY, Los Angeles, Calif. Published May 26, 1937.

49,594.—*Title:* TOOTHACHE MIX. For Toothache Treatment Kits. DEWEY M. PARKS, San Diego, Calif. Published April 1, 1937.

49,595.—*Title:* GOLDEN GLOW CREAMERY BUTTER. For Butter. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published May 26, 1937.

49,596.—*Title:* UNIPATHIC TREATMENT, A PROPRIETARY MEDICINE. For a Proprietary Medicine. H. E. POWE, San Francisco, Calif. Published April 29, 1937.

49,597.—*Title:* BREAD-BAG. For Water Proof Silk Bags for Containing Foods. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published May 15, 1937.

49,598.—*Title:* BLUE RIBBON BREAD. For Bread. SANIWAX PAPER CO., Kalamazoo, Mich. Published April 12, 1937.

49,599.—*Title:* TAMPONS. For Tampons. SAN-NAP-PAK MFG. CO., INC., New York, N. Y. Published April 2, 1937.

49,600.—*Title:* TASTE TELLS. For Bock Beer. SCHULTZ BREWING CO. INC., Union City, N. J. Published March 1, 1937.

49,601.—*Title:* SEALY AIR-VENT BOX SPRING. For Box Springs for Beds. SEALY, INCORPORATED, Pittsburgh, Pa. Published March 15, 1937.

49,602.—*Title:* SEALY ENCHANTED NIGHTS BOX SPRING. For Box Springs for Beds. SEALY, INCORPORATED, Pittsburgh, Pa. Published March 15, 1937.

49,603.—*Title:* SEALY NATURAL REST BOX SPRING. For Box Springs for Beds. SEALY, INCORPORATED, Pittsburgh, Pa. Published April 1, 1937.

49,604.—*Title:* SEALY REST BOX SPRING. For Box Springs for Beds. SEALY, INCORPORATED, Pittsburgh, Pa. Published March 11, 1937.

49,605.—*Title:* SEALY SLEEP CHARM BOX SPRING. For Box Springs for Beds. SEALY, INCORPORATED, Pittsburgh, Pa. Published March 15, 1937.

49,606.—*Title:* SEALY SUNSPUN BOX SPRING. For Box Springs for Beds. SEALY, INCORPORATED, Pittsburgh, Pa. Published May 3, 1937.

49,607.—*Title:* SEALY SUNSPUN MATTRESS. For Mattresses for Beds. SEALY, INCORPORATED, Pittsburgh, Pa. Published April 23, 1937.

49,608.—*Title:* SEALY SUPER-REST BOX SPRING. For Box Springs for Beds. SEALY, INCORPORATED, Pittsburgh, Pa. Published April 1, 1937.

49,609.—*Title:* SEALY TRUEASE BOX SPRING. For Box Springs for Beds. SEALY, INCORPORATED, Pittsburgh, Pa. Published March 15, 1937.

49,610.—*Title:* SEALY TUFTLESS BOX SPRING. For Box Springs for Beds. SEALY, INCORPORATED, Pittsburgh, Pa. Published March 17, 1937.

49,611.—*Title:* CONGRESS. For Twin Studio Couches. SLEEPER, INC., Chicago, Ill. Published April 20, 1937.

49,612.—*Title:* HOWARD. For Twin Studio Couches. SLEEPER, INC., Chicago, Ill. Published December 30, 1936.

49,613.—*Title:* GOLD COAST. For Mattresses. SLEEPER, INC., Chicago, Ill. Published March 3, 1937.

49,614.—*Title:* CANTON. For Automatic Twin Studio Couches. SLEEPER, INC., Chicago, Ill. Published May 15, 1937.

49,615.—*Title:* VIKING. For Twin Studio Couches. SLEEPER, INC., Chicago, Ill. Published August 15, 1936.

49,616.—*Title:* DARTMOUTH. For Twin Studio Couches. SLEEPER, INC., Chicago, Ill. Published December 30, 1936.

49,617.—*Title:* MICHIGAN. For Twin Studio Couches. SLEEPER, INC., Chicago, Ill. Published December 30, 1936.

49,618.—*Title:* STANDISH. For Twin Studio Couches. SLEEPER, INC., Chicago, Ill. Published May 20, 1937.

49,619.—*Title:* SAVOY. For Twin Studio Couches. SLEEPER, INC., Chicago, Ill. Published May 25, 1937.

49,620.—*Title:* ABUNDA. For a Soapless Bath Foam Preparation. SOAPLESS PRODUCTS COMPANY, New York, N. Y. Published March 3, 1937.

49,621.—*Title:* INSTANT DEATH. For a Preparation Used as a Disinfectant and Insecticide. JULIUS W. TAYLOR, Baltimore, Md. Published October 1, 1936.

49,622.—*Title:* TOMALADE. For Tomato Preserve. MRS. J. C. THOMAS, doing business as Thomas Preserving Co., Miami, Fla. Published January 1, 1937.

49,623.—*Title:* TILGHMAN FRESH RIVER HERRING. For Containers for Herring. TILGHMAN CANNING & PACKING COMPANY, Montross, Va. Published March 30, 1937.

49,624.—*Title:* VAPO-FUME INSECTICIDE. For Special Nicotine Compound Used as an Insecticide. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION (INCORPORATED), Louisville, Ky. Published April 22, 1937.

49,625.—*Title:* HONEYDALE BRAND. For Straight Bourbon Whiskey. UNITED PACKAGE DEALERS OF MASSACHUSETTS, INC., Cambridge, Mass. Published February 1, 1937.

49,626.—*Title:* "STERI-FLUSH" SANITIZER. For a Preparation for Cleaning and Deodorizing Toilets. VICTORY CHEMICAL CO., Philadelphia, Pa. Published February 11, 1936.

49,627.—*Title:* ESQUIRE. For Canned Peaches. NORMAN L. WAGGONER, INC., San Francisco, Calif. Published April 30, 1937.

49,628.—*Title:* FLY-KORPS. For Insecticide. HARRY MUNGER WAUGH, Denver, Colo. Published December 8, 1936.

49,629.—*Title:* FRESH STRAWBERRY SHORTCAKE. For Strawberry Shortcake. WAXIDE PAPER COMPANY, Kansas City, Mo. Published April 21, 1937.

49,630.—*Title:* WRIGLEY'S SPEARMINT. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published May 19, 1937.

49,631.—*Title:* WRIGLEY'S DOUBLE MINT CHEWING GUM. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published May 28, 1937.

PRINTS

REGISTERED JUNE 29, 1937

16,286.—*Title:* 1¢ SALE. CHOCOLATES FOR 1¢ PER POUND. For Candy and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published May 28, 1937.

16,287.—*Title:* DAIRYLEA PROCESS AMERICAN CHEESE. For Cheese. DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica, N. Y. Published March 27, 1934.

16,288.—*Title:* CIRCULAR ⇄ 1. For Olive Oil Soap and Soap Dispensers. ERNEST FOWLER, Oakland, Calif. Published April 12, 1937.

16,289.—*Title:* MILES AHEAD IN FLAVOR—ADFORM 174. For Coffee. HILLS BROS., San Francisco, Calif. Published February 16, 1937.

16,290.—*Title:* THE CORRECT GRIND—HILLS BROS. COFFEE—FOR BEST RESULTS BY ANY METHOD OF COFFEE-MAKING—ADFORM 176. For Coffee. HILLS BROS., San Francisco, Calif. Published February 1, 1937.

16,291.—*Title:* MILES AHEAD IN FLAVOR—THE CORRECT GRIND FOR BEST RESULTS BY ANY METHOD OF COFFEE-MAKING—ADFORM 177. For Coffee. HILLS BROS., San Francisco, Calif. Published February 16, 1937.

16,292.—*Title:* IMAGINE WHAT THIS TOASTER MIGHT SAY (6-⅛ BY 10). For Coffee. HILLS BROS., San Francisco, Calif. Published March 14, 1937.

16,293.—*Title:* A DINING ROOM CHAIR EXPRESSES ITS THOUGHTS (6-⅛ BY 10). For Coffee. HILLS BROS., San Francisco, Calif. Published March 21, 1937.

16,294.—*Title:* REVERIES OF A COFFEE CUP (6-⅛ BY 10). For Coffee. HILLS BROS., San Francisco, Calif. Published April 4, 1937.

16,295.—*Title:* WORDS THAT A PENCIL COULD WRITE (6-⅛ BY 10). For Coffee. HILLS BROS., San Francisco, Calif. Published April 11, 1937.

16,296.—*Title:* THIS IS THE STAIRCASE SPEAKING 8-⅛ x 10). For Coffee. HILLS BROS., San Francisco, Calif. Published April 18, 1937.

16,297.—*Title:* IF A KITCHEN CABINET COULD TALK (6-⅛ BY 10). For Coffee. HILLS BROS., San Francisco, Calif. Published April 25, 1937.

16,298.—*Title:* IF A FIREPLACE COULD HAVE A 6-⅛ x 10). For Coffee. HILLS BROS., San Francisco, Calif. Published May 9, 1937.

16,299.—*Title:* COMMENTS OF A COFFEE POT (6-⅛ x 10). For Coffee. HILLS BROS., San Francisco, Calif. Published May 16, 1937.

16,300.—*Title:* IMAGINE WHAT THIS TOASTER MIGHT SAY (6-⅛ BY 15). For Coffee. HILLS BROS., San Francisco, Calif. Published March 12, 1937.

16,301.—*Title:* IF A KITCHEN CABINET COULD TALK (6-⅛ BY 15). For Coffee. HILLS BROS., San Francisco, Calif. Published April 23, 1937.

16,302.—*Title:* THIS IS THE STAIRCASE SPEAKING (6-⅛ BY 15). For Coffee. HILLS BROS., San Francisco, Calif. Published April 16, 1937.

16,303.—*Title:* WORDS THAT A PENCIL COULD WRITE (6-⅛ BY 15). For Coffee. HILLS BROS., San Francisco, Calif. Published April 9, 1937.

16,304.—*Title:* REVERIES OF A COFFEE CUP (6-⅛ BY 15). For Coffee. HILLS BROS., San Francisco, Calif. Published April 2, 1937.

16,305.—*Title:* A DINING-ROOM CHAIR EXPRESSES ITS THOUGHTS (6-⅛ x 15). For Coffee. HILLS BROS., San Francisco, Calif. Published May 19, 1937.

16,306.—*Title:* IF A FIREPLACE COULD HAVE A VOICE (6-⅛ x 15). For Coffee. HILLS BROS., San Francisco, Calif. Published May 7, 1937.

16,307.—*Title:* COMMENTS OF A COFFEE POT (6-⅛ BY 15). For Coffee. HILLS BROS., San Francisco, Calif. Published May 14, 1937.

16,308.—*Title:* CLEAN YOUR FIREARMS REGULARLY—WITH HOPPE'S NO. 9. For Gun Cleaning Products. FRANK A. HOPPE, INC., Philadelphia, Pa. Published April 23, 1937.

16,309.—*Title:* KING QUALITY POULTRY. For Poultry. WILLIAM KING, New York, N. Y. Published March 18, 1937.

16,310.—*Title:* STOP DANGER—HEED THE PLEA FOR SAFETY. For Surgical Dressings. PARKE, DAVIS & COMPANY, Detroit, Mich. Published April 27, 1937.

16,311.—*Title:* BE ON YOUR GUARD AGAINST 1937 STYLE PENS WITH 1907 MECHANISMS. For Fountain Pens, Mechanical Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published May 8, 1937.

16,312.—*Title:* FINGER-TIP HEAT CONTROL. For Coal. THE PHILADELPHIA AND READING COAL AND IRON COMPANY, Philadelphia, Pa. Published December 4, 1936.

16,313.—*Title:* FOR SOLID COMFORT. For Coal. THE PHILADELPHIA AND READING COAL AND IRON COMPANY, Philadelphia, Pa. Published January 4, 1937.

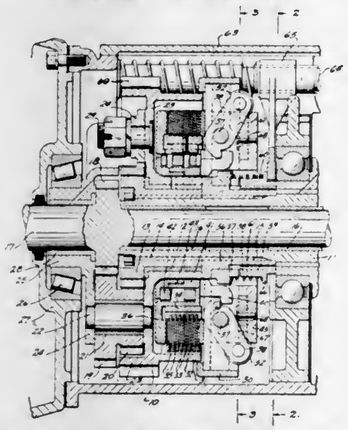
16,314.—*Title:* USE MEAT DAILY. For Meat. JOSEPH F. SEARS, Yakima, Wash. Published April 13, 1937.

20,426
AUTOMATIC CLUTCH

Oscar H. Banker, Chicago, Ill., assignor, by mesne assignments, to New Products Corporation, Chicago, Ill., a corporation of Delaware

Original No. 1,795,464, dated March 10, 1931, Serial No. 227,828, October 21, 1927. Divided April 23, 1930, Serial No. 446,680. Patent No. 1,861,830, dated June 7, 1932. Application for reissue May 4, 1933, Serial No. 670,387

9 Claims. (Cl. 192—105)



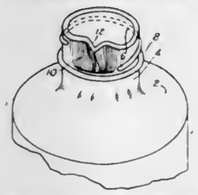
1. The combination of a driving and a driven shaft and a governor-controlled unit operatively connecting said shafts including a clutch, means for controlling said clutch including levers, and speed-responsive, governor weights having inclined faces and dwells cooperating with said levers.

20,427
CONTAINER

Gerald K. Geerlings, New Canaan, Conn.

Original No. 2,035,877, dated March 31, 1936, Serial No. 652,314, January 18, 1933. Application for reissue February 25, 1937, Serial No. 127,802

9 Claims. (Cl. 215—31)



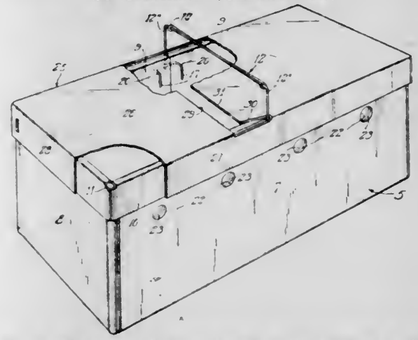
1. In a container having a neck of generally cylindrical form with a cap retaining means on its outer surface and with an opening therethrough generally concentric with said outer surface, which opening is substantially cylindrical in form throughout the greater portion of the surface thereof, the remaining portion of said opening surface projecting within a cylinder formed as a continuation of the cylindrical portion of said opening surface, a pouring spout formed therein, said spout projecting outwardly from adjacent portions of said inwardly projecting opening surface and lying partly within the cylinder formed as a continuation of the cylindrical portion of said opening surface and entirely within the cap-retaining means.

20,428
BASKET

Benjamin F. Kells, Cincinnati, Ohio, assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware

Original No. 1,999,461, dated April 30, 1935, Serial No. 753,032, November 14, 1934. Application for reissue April 12, 1937, Serial No. 136,506

20 Claims. (Cl. 229—52)



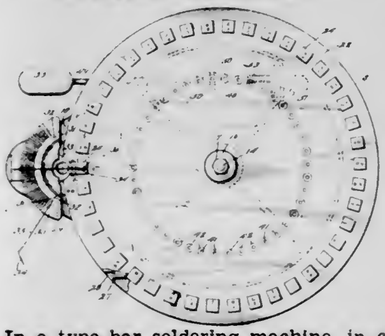
19. A fibreboard receptacle comprising a bottom, end walls and side walls integrally connected to the bottom, a pair of elongated flaps integral with each end wall and folded so as to lie against and frictionally engaging the side walls, and a strip extending from the upper edge portion of each of the end walls and its flaps and bent over the upper edges of the side walls for holding the receptacle in set-up condition.

20,429
TYPESETTING MECHANISM FOR TYPEWRITERS

James F. Koca, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a corporation of Illinois

Original No. 1,897,983, dated February 14, 1933, Serial No. 468,885, July 18, 1930. Application for reissue October 25, 1934, Serial No. 750,022

38 Claims. (Cl. 113—59)



29. In a type bar soldering machine, in combination, a base, a disc rotatably mounted on

said base, means to determine the angular position of said disc, matrices on said disc, a table in determined spaced relation to said disc, means to hold a plate provided with type bars mounted thereon in determined relation with type characters in said matrices and means to solder a determined type bar and a type character in a determined matrix together.

20,430
VINYL ESTER RESINS AND PROCESS OF MAKING THE SAME
George O. Morrison, Shawinigan Falls, Quebec, Canada, Frederick W. Skirrow, Purley, England, and Kenneth G. Blaikie, Shawinigan Falls, Quebec, Canada, assignors to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada
No Drawing. Original No. 2,036,092, dated March 31, 1936, Serial No. 349,694, March 25, 1929. Renewed September 24, 1934. Application for reissue April 26, 1937, Serial No. 139,098
42 Claims. (Cl. 260—2)

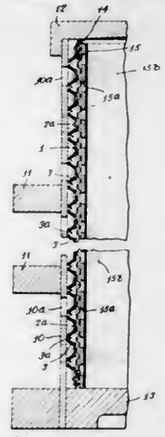
1. A process which comprises reacting together an aldehyde and a partial hydrolysis product of a polyvinyl ester in presence of an acid catalyst in such proportions and at such temperatures and for a time sufficient to produce a resinous material.

20,431
TREAD FOR PNEUMATIC TIRES
George W. Anderson, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original No. 1,999,988, dated April 30, 1935, Serial No. 690,678, September 23, 1933. Application for reissue June 20, 1935, Serial No. 27,554
6 Claims. (Cl. 152—14)



1. A pneumatic tire which has a peripheral tread provided, in portions thereof which are closely spaced throughout its circumference, with narrow ribs extending diagonally at an angle of less than forty-five degrees to the center line of the tread across the major portion of the width of the tread, circumferentially elongated intermediate ribs in the spaces between the tread crossing ribs, certain of which are parallel with the tread crossing ribs and all of which have edges disposed diagonally and substantially parallel to the tread crossing ribs, said intermediate ribs being staggered circumferentially with ribs upon opposite sides of tread crossing ribs in circumferentially overlapping relation, said ribs being separated by narrow grooves of substantially uniform width which are dispersed uniformly throughout the tread so that any axial section through the tread intersects a plurality of circumferentially extending ribs.

20,432
GRID LINING FOR CENTRIFUGAL BASKETS
Eugene Roberts, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah, a corporation of Utah
Original No. 2,028,168, dated January 21, 1936, Serial No. 720,614, April 14, 1934. Application for reissue December 16, 1936, Serial No. 116,123
12 Claims. (Cl. 210—76)



9. A rigid backing for supporting and spacing a filter lining in a centrifugal basket, and composed of material resistant to pressures encountered in centrifuging, comprising a metallic sheet presenting a face for supporting filtering means, said sheet having a multiplicity of openings therein of relatively large dimensions in comparison with the openings in the filtering means which the backing is adapted to support whereby to enable free drainage of liquid from the filtering means to the basket wall and a plurality of circumferentially extending supporting means spaced apart vertically whereby to support the backing away from the wall and to provide circumferentially extending channels between the backing and wall for unimpeded circumferential flow of liquid adjacent the inside of the wall during a centrifuging operation.

PLANT PATENTS

GRANTED JUNE 29, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

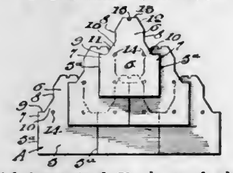
253
ROSE
Jean H. Nicolas, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y.
Application February 11, 1937, Serial No. 125,330
1 Claim. (Cl. 47—61)

A new and distinct variety of white rose, characterized by its vigorous constitution, its uniform performance under various climatic conditions, thereby enlarging its climatic range beyond that of any known rose of the Hybrid Tea class, its large size flowers and great floribundity, substantially as shown and described.

PATENTS

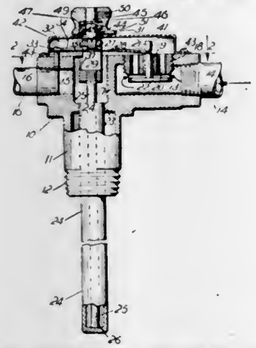
GRANTED JUNE 29, 1937

2,084,981
SHINGLE
Albert J. Anderson, Ansonia, Conn., assignor to J. E. Smith & Co., Inc., Waterbury, Conn., a corporation of Connecticut
Application June 8, 1936, Serial No. 84,196
4 Claims. (Cl. 108—8)



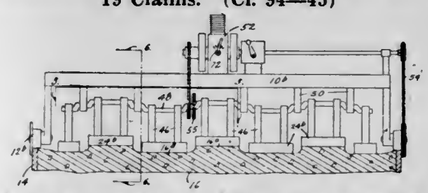
1. A rigid inverted T-shaped shingle comprising a body including a butt portion (5) and an extension portion (6) of exactly one-half the width of the butt portion and projecting centrally therefrom to form resultant butt end portions (7, 7), the side edge portions (8, 8) of the extension portion being disposed in planes at right angles to the upper edge portions (9, 9) of the butt end portions, said body including fillets (10, 10) merging with the side edge portions (8, 8) and the upper edge portions (9, 9), the upper corners (12, 12) of the extension portion being inclined and merging with the top edge (13) of the extension portion and with the side edge portions (8, 8) thereof, the angles of the edges (11, 11) of the inclined fillets (10, 10) and the edges of the inclined corners (12, 12) being alike, and the combined length of the upper edge portions (9, 9) of the butt end portions being equal to the total length of the top edge (13) of the extension portion (6).

2,084,982
THERMOSTATIC VALVE MECHANISM
Oscar W. Anderson and Edward E. Forrester, Denver, Colo.
Application May 28, 1935, Serial No. 23,842
3 Claims. (Cl. 236—48)



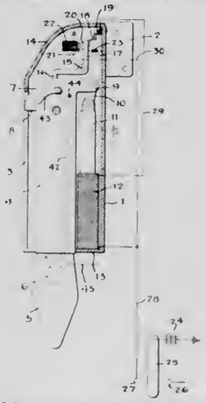
1. A thermo-responsive assembly comprising, a valve body, a tubular member of metal having a high coefficient of expansion, attached at one end to the value body, a rod passing through the tube and attached to one end thereof, the rod having a small coefficient of expansion relative to the tube, a yoke attached to the outer end of the rod and provided with an opening, and a screw threadedly connected with the outer wall of the yoke, and a resilient strip having one end connected with the valve body, passing through the yoke, and positioned to be engaged by the screw.

2,084,983
APPARATUS FOR KNEADING AND WORKING PLASTIC MATERIAL
Robert William Baily, Philadelphia, Pa.
Application September 5, 1933, Serial No. 688,172
19 Claims. (Cl. 94—45)



1. In an apparatus of the class described, a carriage, power means and a crank shaft mounted thereon, a plurality of kneading elements carried by said crank shaft, freely rotatable relative to the crank pins thereof and operable by said power means to move in simultaneously opposite directions to secure maximum kneading, the total masses of said oppositely moving elements being substantially equal to cause a state of equilibrium to exist in the plurality of kneading elements during their operation and to prevent the power means and carriage from partaking in any marked degree of any of the motions of the kneading elements.

2,084,984
ELECTRICALLY OPERATED SIGNAL ARM
James P. Bedford, Forest Hills, and John W. Haywood, deceased, New York, N. Y., assignors to Thomas R. Brooks, Scranton, Pa.
Application July 31, 1929, Serial No. 382,319
3 Claims. (Cl. 177—329)



1. In combination a supporting member with a signal arm pivotally mounted above its center of gravity near its upper end, a source of electric current, a manually operatable electric switch, a solenoid having an armature opera-

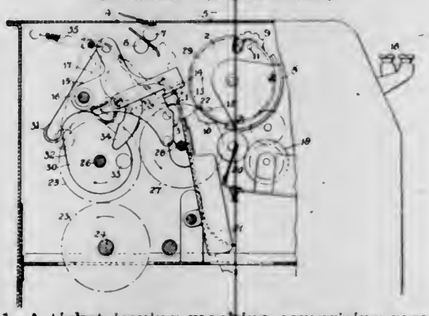
tively connected with said signal arm for operating said arm, an electric circuit for connecting said source of electric current with said solenoid, a latch member engaging a detention element on said arm for holding said arm in raised indicating position, an armature connected with and for operating said latch, an electromagnet connected in shunt with said solenoid and positioned in operative relation to said armature, a second electric switch in the circuit of said solenoid and controlled by said latch whereby when said arm reaches its raised indicating position said magnet functions and causes the opening of said solenoid circuit.

2,084,985
SCREW LOCKING DEVICE
Jean Bill, Zurich, Switzerland
Application February 4, 1935, Serial No. 4,912
In Germany February 13, 1934
8 Claims. (Cl. 151—29)



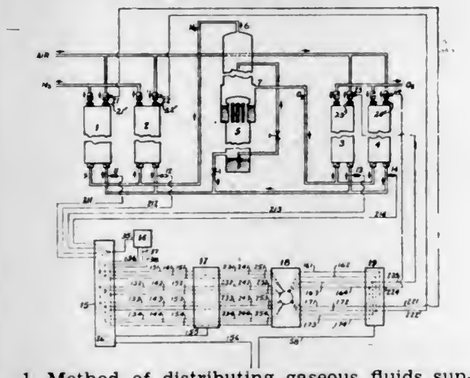
1. In a screw locking device, a screw threaded shank, a polygonal nut screwably adjusted into any angular disposition on said shank, a polygonal cap corresponding interiorly in shape and size with the external shape and size of the nut and pushable over the outer surface of said nut in different selective angular positions, a circumferentially discontinuous neck rigid with said cap, a connection member for said shank and said cap extending around said neck and annularly adjustable relative thereto, means for locking said connection member to said shank in registry with corresponding discontinued portions of said neck in one of said selective angular positions of said cap on said adjusted nut, and means for locking said connection member to said cap in any annularly adjusted position.

2,084,986
TICKET ISSUING MACHINE
Horace Drummond Black, Uxbridge, and Alexander Adolf Carlo Degen, Harrow, England, assignors to Bell Punch Company Limited, London, England
Application October 2, 1934, Serial No. 746,554
In Great Britain January 3, 1934
19 Claims. (Cl. 101—227)



1. A ticket issuing machine comprising means for printing upon a ticket strip; a knife located beyond the printing means in the direction of feed of the strip, said knife being adapted to sever the strip in a cycle of operation behind the printing produced by the printing means in the same cycle; and means for effecting forward movement of the strip after the printing is completed to carry the printed portion beyond the position of the knife for proper severance thereby and for effecting rearward movement of the strip after severance to bring the cut edge adjacent the printing means.

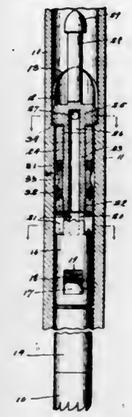
2,084,987
METHOD OF AND MEANS FOR CONTROLLING THE OPERATION OF HEAT EXCHANGE DEVICES
Philipp Borchardt and Hans Ranke, Solln, near Munich, Germany, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application January 9, 1934, Serial No. 705,976
In Germany January 17, 1933
17 Claims. (Cl. 62—175.5)



1. Method of distributing gaseous fluids supplied in constant total quantity to a plurality of heat exchange devices which includes varying automatically the amount of gas entering each of said devices in accordance with the variations in temperature between the temperature of the gas discharged by said devices and an assumed normal discharge temperature.

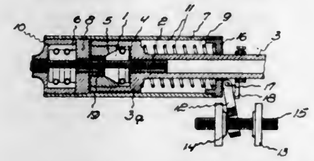
2,084,988
PUMP PRESSURE OPERATED CORE BARREL
John D. Brack, Sulphur, La., assignor to The Union Sulphur Company, a corporation of New Jersey
Application February 27, 1934, Serial No. 713,210
6 Claims. (Cl. 255—72)

1. The combination with a drill collar having vertical grooves above its lower end on its inside face, of a core barrel having a mud vent and a valve permitting the out-flow of mud from the upper end of the core barrel but preventing inflow thereto, the core barrel at its upper end above the valve having a vertical central passage and radial ports at the lower end of the passage, a nipple having threaded engagement with the interior of the upper end of the core barrel, a nut having threaded engagement with the upper end of the nipple, a hollow driving head having screw-threaded engagement with the nut, a driving head having a mud inlet port opening into the interior of the driving head, said driving head having radial lugs and the drill collar having vertical grooves open at their upper ends and having shoulders closing their lower ends in which grooves the lugs engage to secure rotative engagement between the head and the drill collar, and a plurality of cups disposed around said



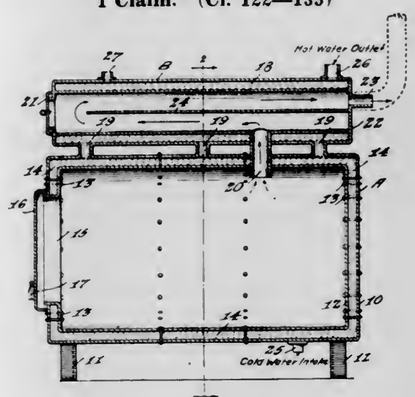
nipple between the nut and the upper end of the core barrel, and a spacer holding said cups apart, the driving head, the nut and the core barrel being less in diameter than the interior diameter of the drill collar.

2,084,989
AUTOMATIC SLACK ADJUSTER, ESPECIALLY FOR RAILWAY CAR BRAKES
Bert Henry Browall, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application February 15, 1935, Serial No. 6,750
In Germany November 20, 1934
8 Claims. (Cl. 188—200)



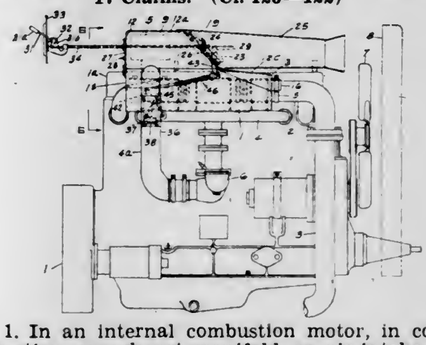
1. In an automatic slack adjuster for brakes of the character described, a two-part rod the parts of which are relatively slidable in both directions, a pawl carried by one of said rod parts and adapted to cooperate with the other rod part, said first mentioned rod part having a seat for said pawl, whereby said pawl is blocked against displacement relatively to said second mentioned rod part in one direction when said pawl engages said seat, a withdrawable member for holding said pawl out of engagement with said seat for allowing said pawl to slip relatively to said second mentioned rod part in the said direction, means controllable in dependence upon the application movement of the brake and adapted to withdraw said withdrawable member from said pawl to allow engagement of said pawl with said seat at the application movement of the brake in a certain position thereof, and means controllable in dependence upon the release movement of the brake and adapted to withdraw said withdrawable member from said pawl to allow engagement of said pawl with said seat also at the release movement of the brake in the end position thereof corresponding to released brake.

2,084,990
WATER HEATER
Roland T. Burghardt, Eugene, and Charlie Gentry, Mill City, Oreg.
Application March 6, 1935, Serial No. 9,686
Renewed February 26, 1937
1 Claim. (Cl. 122—135)



A hot water heater formed of hollow outer and inner cylindrical members one of which is smaller than and nested within the other and constituting a fire box, means holding said members in spaced relation to provide a water jacket extending completely around the cylindrical wall and completely across one end of the inner member and further extending partially across the other end of the inner member to provide an opening to the fire box directly surrounded by the water jacket, a water jacketed flue disposed above and having its axis extending parallel to axis of the members, a plurality of connections between the water jacket of the flue and that surrounding the inner member, said connections forming supports for the flue, a stack connection at one end of the flue, a baffle plate extending longitudinally of the flue beneath the stack connection thereof and terminating short of the end of the flue remote from the stack connection, and a connection between the flue and the fire box extending through both of said water jackets between the vertical axis of the heater and the stack connection and also constituting a support for the flue.

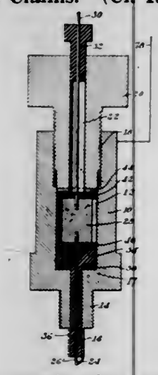
2,084,991
INTERNAL COMBUSTION MOTOR
George F. Callahan, Jr., Mount Lebanon, Pa.
Application February 20, 1936, Serial No. 64,869
17 Claims. (Cl. 123—122)



1. In an internal combustion motor, in combination, an exhaust manifold, an air intake, an

air cleaner supported by said air intake, a jacket encasing the air cleaner and partially encasing said manifold and air intake, said jacket having a shutter arrangement for selectively regulating the temperature within the jacket, means within the air intake spaced beneath the air cleaner, and a resilient connection between said means and shutter arrangement adapted to operate the shutter arrangement.

2,084,992
THERMOCOUPLE PLUG
Walter Claypoole, Glenham, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 2, 1935, Serial No. 19,425
6 Claims. (Cl. 136—4)



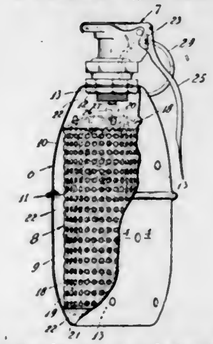
1. A thermocouple plug comprising a metal housing having a longitudinal opening formed to provide a shoulder intermediate the ends thereof, a plug member having a threaded connection with said opening at one end of said housing and confronting said shoulder, a thermocouple wire attached to and projecting from the other end of said housing, a second thermocouple wire fused to the projecting end of said first mentioned wire and extending into the opening in said housing, a metal block in said opening between said shoulder and said plug member, said second wire being attached to one side of said block, a third wire attached at one end to the opposite side of said block and extending outwardly of said housing through said plug member, insulating means separating said block from said shoulder and said plug member, said means adapted to be compressed when said plug is screwed into said opening to form a liquid-tight seal in said housing.

2,084,993
MACHINE KNIFE
Charles E. G. Aff, Jamaica, N. Y.
Application March 22, 1935, Serial No. 12,423
4 Claims. (Cl. 164—58)



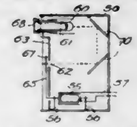
1. A machine knife adapted to be secured to a movable part of said machine, a plurality of mortises formed within said knife and communicating with one plane surface thereof, an extension bar having a plurality of tenons extending from one surface thereof adapted to be contained in said mortises when the bar is applied to the knife with said surfaces in contact with each other, tapped holes formed in said knife each communicating with one of said mortises, clearance holes formed in said knife each concentric with one of said tapped holes, a clearance hole formed in each of said tenons concentric with and parallel to said first clearance holes when said tenons are contained in said mortises, and screws extending through said clearance holes and into said tapped holes for securing the knife and the extension bar together to form a rigid structure.

2,084,994
HAND GRENADE
Rosslyn C. Allen, Pittsburgh, Pa.
Application December 24, 1934, Serial No. 759,039
3 Claims. (Cl. 102—29)



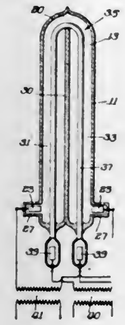
1. In a grenade, a barrel shaped body, a timing element mounted thereon; a straight foraminous container positioned in the body and held co-axially therein by direct contact of the ends of said container with the interior walls of said body to produce an empty chamber around said container, and a charge of a disabling medium placed within the container, said charge being in direct communication with said chamber through the foramina in said container.

2,084,995
INDICATING INSTRUMENT
Constantin D. Barbulesco, Dayton, Ohio
Original application February 4, 1935, Serial No. 4,921. Divided and this application October 18, 1935, Serial No. 45,556
5 Claims. (Cl. 177—311)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



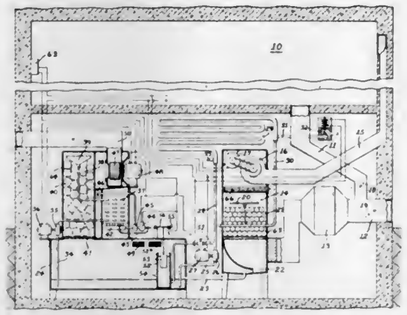
1. An indicating instrument comprising a case, magnetic means mounted in said case, an armature member mounted adjacent said magnetic means, a shutter member actuated by said armature member, a panel member connected with said case and having an aperture therein adjacent said shutter member, a light source insertable into and removable from said case through said panel member, and means in said case for directing light rays from said light source through the aperture in said panel, said light rays being normally obstructed by said shutter member and adapted to be rendered visible upon energization of said armature for shifting said shutter member.

2,084,996
GASEOUS CONDUCTION DEVICE
Robert E. Barclay, Chicago, Ill.
Application March 24, 1934, Serial No. 717,138
15 Claims. (Cl. 176—122)



1. In combination, a discharge device comprising means forming a pair of adjacently disposed discharge channel portions containing a gaseous conduction medium, dielectric means extending between said portions, and an exciter comprising envelope containing a gaseous conductor medium means, in which high frequency oscillations may be set up, disposed within said channel portions and in electrostatic relationship with respect to said dielectric means.

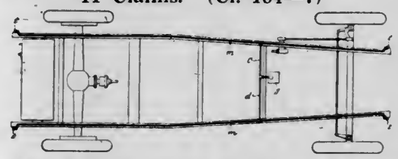
2,084,997
REFRIGERATING APPARATUS
Francis R. Bichowsky, Ottawa Hills, and Gilbert A. Kelley, Toledo, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 25, 1935, Serial No. 7,974
15 Claims. (Cl. 183—121)



5. Conditioning apparatus comprising a concentrator having a sump, a control for said concentrator including a cup, means for circulating liquid from said sump to said cup, a hydrometer in said cup controlling said concentrator, and a slow drain from said cup of less capacity than said means whereby said cup is maintained in its normal full condition while said means operates and is maintained below its normal full condition when said means stops.

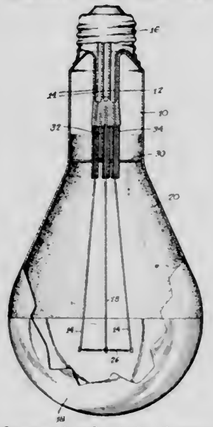
7. Conditioning apparatus comprising means forming a flow path for a hygroscopic liquid, and including a concentrator therefor, a conditioning chamber, flow means for said liquid to the conditioning chamber and the concentrator, and means responsive to the flow and concentration of the liquid in the flow means for regulating the concentrator and modulating the operation of the concentrator with a change of flow of the liquid.

2,084,998
LUBRICATION
Joseph Bijur, deceased, late of New York, N. Y., by George Bijur, executor, New York, N. Y.; said Joseph Bijur assignor, by mesne assignments, to Auto Research Corporation, a corporation of Delaware
Original application August 9, 1922, Serial No. 580,668. Divided and this application October 9, 1934, Serial No. 747,500
11 Claims. (Cl. 184—7)



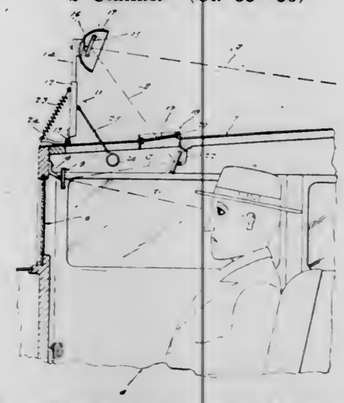
1. As an element in a lubricating system in combination, a pipe fitting having a compressible member therein offering high resistance to flow, a compression element to compress said member, spring means pressing said element to maintain said member under compression, and arranged to be opposed by oil pressure on the line to reduce the compression of the member to permit seepage of oil therethrough.

2,084,999
ELECTRIC LAMP
Clarence Birdseye, Gloucester, Mass., assignor, by mesne assignments, to Birdseye Electric Corporation, Dover, Del., a corporation of Delaware
Application October 17, 1935, Serial No. 45,410
3 Claims. (Cl. 176—34)



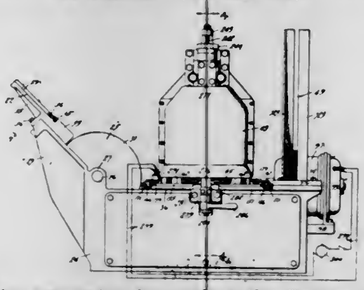
1. An incandescent electric lamp comprising, in combination, an oversize bulb provided on a portion of its inner surface with a metallic reflecting surface, a coiled coil filament of compact shape located substantially at the focus of said reflecting surface and adapted to burn at a high temperature and with a high intrinsic brilliancy, a glass mount in the neck of the bulb, refractory metal supports for the filament projecting from said mount, and a heat-reflecting and light-reflecting shield supported in position to protect the press of the mount from the heat developed in the lamp.

2,085,000
REAR VIEW MIRROR STRUCTURE
Antone S. Borba and George T. Edwards, Santa Cruz, Calif.; said Edwards assignor to Harry J. Bias, Santa Cruz, Calif.
Application October 17, 1934, Serial No. 748,738
Renewed September 16, 1936
2 Claims. (Cl. 88—86)



2. In a structure of the class described and in combination, an automobile body having a top provided with an opening and a transparent glass occupying the opening, an inclined mirror supported in the body and located below the rear portion of said glass, a mirror located in the body and forward of and opposite the first-named mirror to receive reflection therefrom, a longitudinally adjustable bracket connected with the top of the body at a point in front of said opening in the top and extending upwardly from the top, a third mirror carried by said bracket and disposed in line with the glass and the first-named mirror and adapted to cooperate therewith, and a shield also carried by said bracket and containing the third-named mirror.

2,085,001
FLANGE CURLING MACHINE
William F. Butler, Hillside, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 23, 1933, Serial No. 677,323
16 Claims. (Cl. 153—59)



1. An apparatus for curling the flanges of can ends and the like, comprising in combination, a curling head, a stationary can end chuck in said head, curling instrumentalities in said head and rotatable around said chuck for curling the flanges of said can ends, means for holding a said can end in said curling head and clamping it on said stationary chuck so that its flange is fully backed up and equally supported at all points around its periphery, actuating means for moving said curling instrumentalities in and out during their rotation around said chuck for effecting said flange curling and reciprocable means for ejecting said can end from said head and said chuck after the flange curling operation has been completed.

2,085,002
ANODIC TREATMENT OF ALUMINUM
Robert W. Buzzard, Kensington, Md.
No Drawing. Application May 22, 1934, Serial No. 726,896
4 Claims. (Cl. 204—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A bath for forming with direct current, by anodic treatment either in batches or in continuous process, protective coatings on articles having aluminum as a constituent, comprising 5% chromic acid and 5% potassium dichromate as a film hardener.

2,085,003
PRODUCTION OF ETHYL ALCOHOL FROM ARTICHOKE TUBERS
Leo M. Christensen and Ellis I. Fulmer, Ames, Iowa, assignors to The Chemical Foundation, Incorporated, a corporation of Delaware
No Drawing. Application December 14, 1935, Serial No. 54,373
4 Claims. (Cl. 195—37)

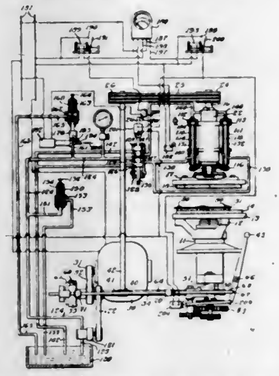
1. The process of producing ethyl alcohol from unhydrolyzed artichoke-tuber diffusion liquor containing unhydrolyzed polysaccharides consisting in successively incubating a suitable yeast culture in a series of separate culture-media containing the polysaccharides of said liquor and continuing such culture propagation until the conversion power of the yeast strain under development becomes capable of fermenting in excess of eighty per cent. of the carbohydrate content of the liquor, and then inoculating the diffusion liquor to be converted with said culture whereby the unhydrolyzed polysaccharides are converted to alcohol.

2,085,004
PLASTER REENFORCING FABRIC
Edwin D. Coddington, Douglaston, N. Y., assignor to Reynolds Corporation, New York, N. Y., a corporation of Delaware
Application March 16, 1936, Serial No. 69,202
2 Claims. (Cl. 72—116)



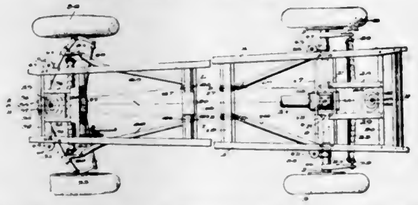
1. A reenforced plaster-supporting fabric comprising a sheet of flexible material bent back and forth to provide a series of regularly spaced undulations, a plurality of reenforcing rods passing transversely through the undulations and being extended beyond one edge of the sheet, and bent in a direction toward the surface of the sheet and a plurality of metal stays of trough-shaped cross-section seated within the bottom of certain of the undulations and having their side walls rigidly affixed to the reenforcing rods.

2,085,005
LAPPING MACHINE
Raymond A. Cole, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application July 6, 1936, Serial No. 88,955
12 Claims. (Cl. 51—118)



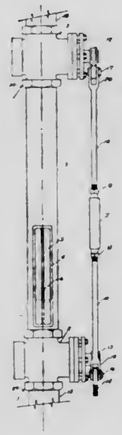
1. A lapping machine of the type having a pair of opposed relatively rotatable lapping elements which are movable relatively toward and from each other and a work carrying cage therebetween, a mechanism to cause a relative approaching and receding movement between said lapping elements, means to control said mechanism to cause either an approaching or receding movement between said lapping elements, a pressure regulating mechanism arranged to maintain said laps in engagement with the work at a predetermined pressure for an initial or rough lapping operation, a second pressure regulating device arranged to maintain said laps in engagement with the work at a second predetermined pressure for a final or finish lapping operation, and means to automatically change from an initial or rough lapping pressure to a final or finish lapping pressure.

2,085,006
VEHICLE SUSPENSION
Stephen Leonard Chauncey Coleman, Fredericton, New Brunswick, Canada
Application September 27, 1933, Serial No. 691,231
19 Claims. (Cl. 280—124)



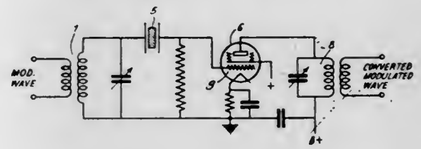
1. In a vehicle suspension, the combination with a frame and running gear, of front and rear transverse springs, universal joint connections between said springs and the frame located on the longitudinal center axis of said frame and between the springs and running gear, and means for preventing lateral movements and excessive rolling of said frame on the running gear.

2,085,007
DEVICE FOR DETERMINING THE PERCENT OF SOLIDS PRESENT IN THE DISCHARGE MATERIAL OF PIPE LINE DREDGES
Louis R. Conrath, Fort Wayne, Ind.
Application August 14, 1936, Serial No. 96,073
3 Claims. (Cl. 73—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a gauge for measuring the relative solid content of a mixture of one or more solids and liquids, an inlet and outlet means of equal cross-sectional area, each provided with a valve or its equivalent, said valves being provided with a means for opening or closing both valves simultaneously, a settling chamber provided with an opening having a transparent window through which the contents may be observed, and a scale adjacent to said window and calibrated directly in percent or other desired terms.

2,085,008
PHASE AND AMPLITUDE MODULATED WAVE RECEIVING MEANS
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 2, 1935, Serial No. 47,933
21 Claims. (Cl. 250—20)



1. In a system for demodulating wave energy a characteristic of which has been modulated in accordance with intelligence, an alternating current circuit tuned to the carrier frequency of the wave to be demodulated, a reactive circuit for shifting the phase of the sidebands of said wave energy in the same direction relative to the carrier wave, connected to said alternating current circuit, and a thermionic tube having its cathode and a control electrode coupled to said reactive circuit.

2,085,009

DI-HALOGEN SUBSTITUTED α-(p-HYDROXYPHENYL)-α-AMINO-ACETIC ACID, HYDROHALIDES OF THE SAME, AND PROCESSES FOR THEIR PRODUCTION

Otto Dalmer and John Niemann, Darmstadt, Germany, assignors to Merck & Co., Inc., Rahway N. J., a corporation of New Jersey

No Drawing. Application July 10, 1934, Serial No. 734,510. In Germany August 23, 1933

6 Claims. (Cl. 260—108)

1. In a process for producing di-halogen substituted α-(p-hydroxyphenyl)-α-amino-acetic acid, the step which comprises reacting upon α-(p-hydroxyphenyl)-α-amino-acetic acid with a halogenating agent, said halogenating agent being in such quantity that two atoms thereof are introduced into the phenyl radical.

3. 3,5-di-halo-α-(p-hydroxyphenyl)-α-amino-acetic acid.

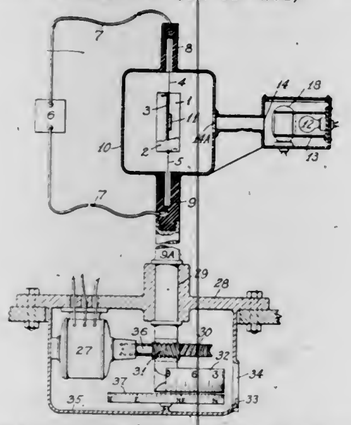
2,085,010

AIRCRAFT DRIFT INDICATOR

Lyle Dillon, Los Angeles, Calif.

Application June 6, 1933, Serial No. 674,516

4 Claims. (Cl. 33—204)



4. An apparatus for determining the drift angle of an aircraft which comprises an electrostatic charged body adapted to be moved with the aircraft through the earth's magnetic field and so supported as to be capable of deflection in response to electrodynamic forces attending upon such motion and indicating means associated with said body to indicate the direction of such deflection with respect to the heading of said aircraft.

2,085,011

MODULATED CARRIER WAVE SIGNALING SYSTEM

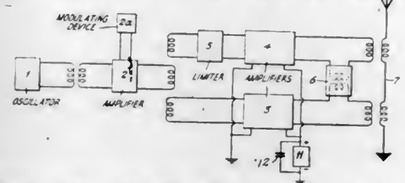
William Theodore Ditcham, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware

Application February 15, 1933, Serial No. 656,869

In Great Britain March 22, 1932

10 Claims. (Cl. 250—17)

1. A high frequency modulated carrier wave transmitting system comprising a source of carrier waves, means for modulating said waves, and means for amplifying the modulated waves, said last means comprising two electron discharge device amplifiers, means for biasing the control grid of one of said devices whereby said one device amplifies only those oscillations whose amplitude is less than the carrier amplitude level and means for biasing the control grid of the other device whereby the latter amplifies only those oscillations which have an amplitude



greater than the carrier amplitude level, and means for transmitting said amplified modulated waves.

2,085,012

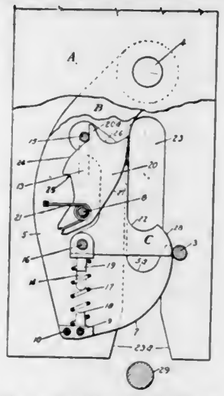
AUTOMATIC HOOKING DEVICE

Arthur C. Dixon, Portland, Oreg.

Application August 1, 1935, Serial No. 34,246

3 Claims. (Cl. 294—83)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An elevating device including a gripping and releasing mechanism adapted to operate upon alternate engagement with a load pin, said elevating device comprising an elevating frame provided with a slotted opening adapted to engage said load pin, a hook pivotally mounted to said frame adapted to support said load pin and retain the same within the slotted opening, a trigger unit slidably mounted on said hook and a latch pivotally mounted on said hook, and coacting with said trigger unit, said trigger unit adapted to engage said load pin to rotate the latch into the path of said slotted opening on the initial elevation of the frame, and said latch adapted to engage said load pin on the second elevation of the frame to rotate the hook out of the path of the slotted opening to allow for free passage of the load pin.

2,085,013

CELLULOSE DERIVATIVE SPINNING SOLUTION CONTAINING WAX

Camille Dreyfus, New York, N. Y., and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Original application November 10, 1928, Serial No. 318,583. Divided and this application October 6, 1933, Serial No. 692,428

8 Claims. (Cl. 106—40)

1. Method of forming a spinning solution for the production of artificial materials of improved

properties, which comprises dissolving a derivative of cellulose selected from the group consisting of organic acid esters of cellulose and cellulose ethers in a solvent and mixing a wax with the said derivative of cellulose solution at a temperature high enough to melt the wax.

2,085,014

TEXTILE PROCESS AND PRODUCT

Camille Dreyfus, New York, N. Y., and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application November 14, 1933, Serial No. 697,926. Renewed January 2, 1937

13 Claims. (Cl. 28—1)

2. Artificial products having a basis of organic derivatives of cellulose and containing wax-like higher fatty acid esters of polyhydric alcohols.

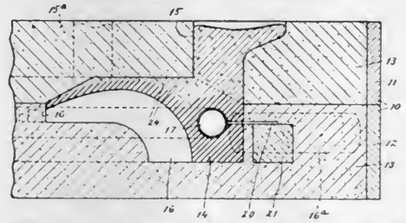
2,085,015

CASTING METHOD

Ernest P. Engstrom, Akron, Ohio

Application April 3, 1934, Serial No. 718,791

3 Claims. (Cl. 22—203)



1. The herein-described casting method which comprises providing a mold having metallic members located to chill the casting from its outer surface, mounting therein a reinforcing and internal chilling, thin-walled insert member of a metal different than the casting metal, pouring a molten light metal such as aluminum into the mold and around said insert member without the use of a cooling means for the latter, thereby causing its full expansion while the casting metal is solidifying thereon, internally and externally chilling the casting metal to a substantially poreless texture by the action of said chilling members, and contracting the casting and the insert member by cooling in an immovably bonded relation.

2,085,016

MACHINE FOR PRODUCING HELICOID SURFACES

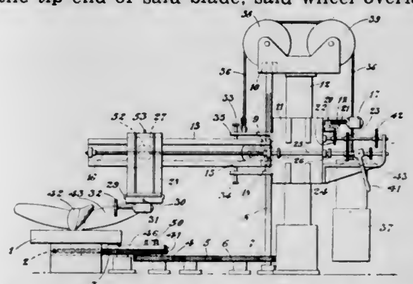
John Ferguson, Hoboken, N. J.

Application April 30, 1932, Serial No. 608,387

Renewed August 29, 1936

4 Claims. (Cl. 51—46)

1. A machine for generating helicoids on propeller blades comprising a work support on which the hub of said propeller is axially mounted, means for rotating said work support and therewith the blade being worked upon first in one direction and then in the reverse direction through an arc of a circle, a guide-support mounted on a frame support offset from the axis of rotation of said work support, a grinding wheel mounted on said guide-support, means for driving said grinding wheel, means for oscillating said frame support and therewith said grinding wheel in a direction at an angle to the plane of rotation of said work support, the rotating movements of said work support and the oscillating movements of said wheel being synchronized by means of gears, the surface of said blade and said wheel being in operative contact on each successive movement thereof, means to move said wheel along said guide-support from the root end to the tip end of said blade, said wheel overlap-



ping part of its path on said surface on each successive movement thereof, said guide-support being at an angle to the generatrix of the helicoid being generated on the surface of said blade whereby the contact point between said wheel and said surface is maintained coincident with said generatrix.

2,085,017

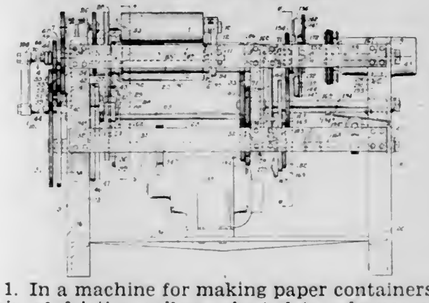
AUTOMATIC MACHINE FOR MAKING PAPER CONTAINERS

Luther K. Funkhouser, Dayton, and Ralph W. Carnahan, near Dayton, Ohio; said Carnahan assignor to said Funkhouser

Application April 7, 1934, Serial No. 719,448

Renewed February 12, 1936

41 Claims. (Cl. 93—39)



1. In a machine for making paper containers, a pair of friction rollers adapted to advance and sever from a sheet of paper material a unit of the desired size, a horizontally disposed mandrel to receive and form the severed unit into a cylinder having overlapping longitudinal ends, reciprocated adhesive means for periodically applying adhesive to the one end of said sheets, pressure means for connecting said ends into a longitudinal seam, and rotatable means for applying a bottom to said cylinder, after it leaves the mandrel.

2,085,018

CIRCUIT BREAKER

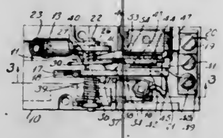
Stephen S. Grady, Magnolia, N. C., assignor to Fusoid Electric Co., Inc., a corporation of New York

Original application March 21, 1928, Serial No. 263,414, now Patent No. 1,909,174. Divided and this application May 15, 1933, Serial No. 671,193. Renewed September 4, 1936

5 Claims. (Cl. 200—116)

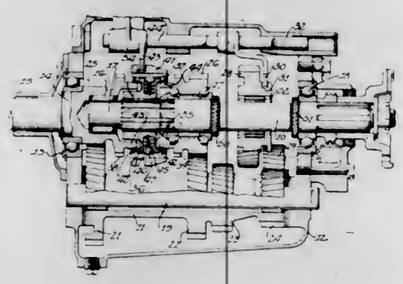
2. A circuit breaker comprising a pair of contacts resiliently maintained in engagement with

one another, an interposer adapted to flex said contacts from engagement with one another and to extend between the contacts to interrupt the circuit, means for positively actuating the interposer into interrupting position, a latch for holding the interposer in inoperative position, an



operating means to release the latch in response to an overload in the circuit, a handle for resetting said interposer into operative position, and connecting means for connecting said handle to said interposer in inoperative position to position said handle to reset said interposer.

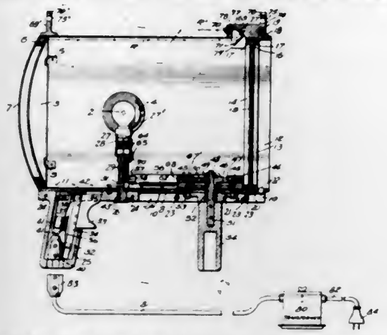
2,085,019
MOTOR VEHICLE
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 17, 1936, Serial No. 59,528
12 Claims. (Cl. 74—333)



1. A transmission comprising a driving shaft, a driven shaft, a countershaft, meshing gears connecting said driving shaft with said countershaft, an axially shiftable gear rotatably mounted on said driven shaft, clutch teeth fixed on said driven shaft adapted to be engaged by said slidable gear, a bushing on said driven shaft having teeth engaged by said shiftable gear, means for shifting said slidable gear, and a gear fixed on said countershaft in a relation to be engaged by said sliding gear prior to and during its engagement with said clutch teeth.

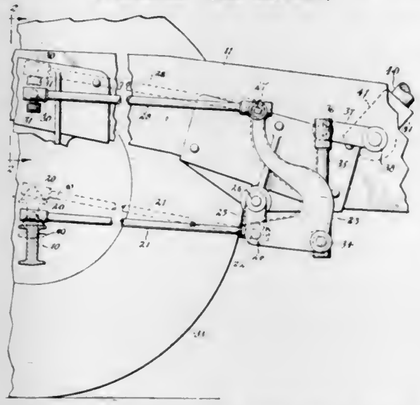
2,085,020
COMBINATION SIGHT AND INDICATOR FOR TRAFFIC CONTROL PROJECTORS
Wilbur T. Harding, Dayton, Ohio
Application January 7, 1936, Serial No. 57,926
7 Claims. (Cl. 177—329)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. In a traffic control signal projector, sighting means on the projector for training the projector on an objective and indicating means on the projector for indicating whether or not a signal is being transmitted, said sighting means and said indicating means being arranged and combined in the line of sight to be viewed simul-



taneously for the performance of both functions while the eye is focused on the sighting means.

2,085,021
STEERING MECHANISM FOR VEHICLES
Albert F. Hickman, Eden, N. Y., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y., a corporation of New York
Application October 1, 1934, Serial No. 746,362
6 Claims. (Cl. 280—87)

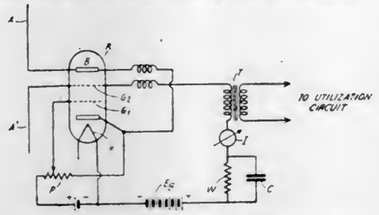


1. A steering mechanism associated with the axle, steering gear and steering spindle of a vehicle and comprising: a compensating pin; a radius rod connecting said pin with the axle; a lever pivotally mounted on said pin; means connecting said lever with the steering gear; and a drag link connecting said lever with the steering spindle; the length of said drag link being approximately the same as the length of the radius rod.

2,085,022
METHOD OF TUNING RECEIVERS OPERATING ON POTENTIAL RESONANCE
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 15, 1935, Serial No. 16,305
In Germany April 23, 1934
8 Claims. (Cl. 250—27)

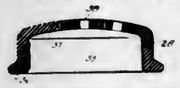
1. In combination, an electron discharge device having an anode, a cathode and a grid, a dipole antenna having two arms, one arm being coupled to said anode and the other arm to said grid, and

means for maintaining said grid at a high positive potential and said anode at a less potential relative to said cathode, said means including a source of potential whose negative terminal is connected to said cathode and whose positive terminal is connected to said grid, a resistance lo-



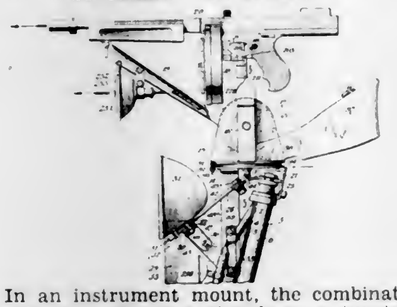
cated between said positive terminal and said grid for absorbing part of said grid voltage, a measuring instrument in circuit with said resistance, means for varying the proportion of grid voltage absorbed by said resistance, and translating apparatus coupled to said grid circuit.

2,085,023
IDENTIFICATION MEANS FOR STEERING WHEELS AND THE LIKE
Harry A. Husted, Akron, Ohio, assignor, by mesne assignments, to Dr. James S. Reid, Cleveland, Ohio, as trustee
Application May 14, 1935, Serial No. 21,465
5 Claims. (Cl. 40—2.2)



4. An automobile horn button having a sheet metal frame, raised identification characters embossed in the surface of said frame, and a coating of thermoplastic material molded to the frame, the upper surface of said raised characters being flush with the outer surface of said coating.

2,085,024
MACHINE GUN MOUNT
Greenhow Johnston, Glen Allen, Va., assignor of one-half to Greenhow Maury, Jr., Richmond, Va.
Application January 5, 1933, Serial No. 650,344
24 Claims. (Cl. 89—40)



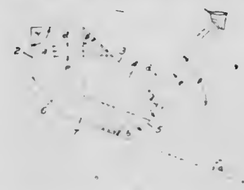
1. In an instrument mount, the combination of an instrument supporting base, a turntable rotatably mounted thereon, an instrument carrying head adapted to have an instrument positioned thereon carried by said turntable and pivotally mounted to swing about a transverse axis said instrument carrying head being in the shape of a flat plate, and braking means including a spring pressed plunger supported on the turntable and bearing against the plate adjacent its periphery for holding the plate in a predetermined position against the turning movement induced by the instrument.

2,085,025
REFLECTING PRISM
Otto K. Kaspereit, Philadelphia, Pa.
Application November 14, 1935, Serial No. 49,746
1 Claim. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



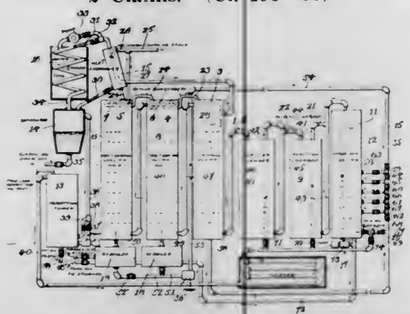
A prism including an entrant face, a reflecting face disposed at an angle of 45° to the entrant face, a second reflecting face at an angle of 45° to the path of the rays reflected from the first reflecting face, a third reflecting face at an angle of 67° 30′ to the path of the rays reflected from the second reflecting face, and an emergent face formed by a portion of the second reflecting face the plane of the second reflecting face forming an angle of 45° with the plane of the first reflecting face, and the plane of the third reflecting face forming angles of 157° 30′ with the first reflecting face and 22° 30′ with the second reflecting face, the initially entrant and finally emergent cone of rays lying in different planes.

2,085,026
PRISM
Otto K. Kaspereit, Philadelphia, Pa.
Application November 14, 1935, Serial No. 49,747
1 Claim. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



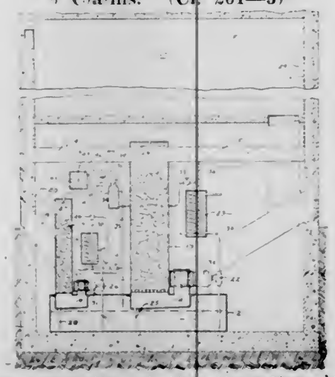
A prism embodying an entrant face, a reflecting face disposed at an angle of 45° to the entrant face, a second reflecting face disposed at an angle of 45° to the path of the rays of light reflected from the first reflecting face, the plane of the second reflecting face forming an angle of 45° with the plane of the first reflecting face, reflecting faces disposed at an angle of 90° to each other and forming a roof to intercept the rays reflected from the second reflecting face and inter-reflect the same to revert the image back to normal and reflect them through the emergent portion of the second reflecting face, the ridge of the roof extended forming with the central longitudinal axis of the second reflecting face extended an angle of 22° 30′.

2,085,027
METHOD OF PRODUCING LOW BOILING HYDROCARBONS
William O. Keeling, Independence, Mo.
Application June 7, 1929, Serial No. 369,175
2 Claims. (Cl. 196—66)



1. In a process in which a hydrocarbon oil is heated to vaporizing temperatures and separated into vapors and unvaporized oil and the vapors admixed with hot gases in successive steps and time intervals of reaction are permitted after each successive admixture of hot gases, the improvement which comprises admixing the hot gases with the oil vapors in a mixing zone in such quantity and amount as to raise the oil vapors to active vapor phase cracking temperature, and supplying the time interval of reaction by reducing the velocity of flow of the mixture, and permitting the cracking to take place substantially solely by the sensible heat of the hot carrier gas.

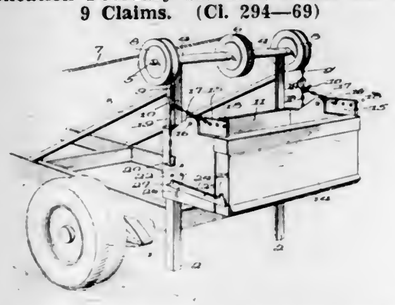
2,085,028
AIR CONDITIONING APPARATUS
Gilbert A. Kelley, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application July 20, 1932, Serial No. 623,531
Renewed September 30, 1936
9 Claims. (Cl. 261—3)



1. An apparatus of the character described comprising means establishing a main body of liquid, means for contacting a portion of said liquid with a gas having a constituent to be selectively removed by said liquid, means for circulating a second portion of said liquid from and to said body in a closed cycle, means for heating the liquid in said cycle out of contact with a gas, means for discharging the liquid thus heated for gravitational flow in contact with a gas for the removal of said constituent from said liquid, means for bleeding a third portion of liquid from said main body separate from said second portion, and means for automatically controlling the removal of said constituent from said second portion of said liquid in accordance with its proportion in said third portion of liquid.

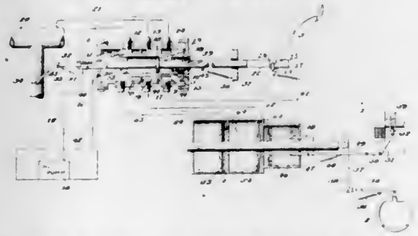
7. An apparatus of the character described comprising a tank to contain a main body of hygroscopic liquid, an air drying contact tower, a liquid concentrating tower, pumping means circulating liquid to and from said tank to and from said towers, air blower means forcing air through said towers, a closed liquid heater heating the liquid before discharge into said concentrating tower, means for controlling the temperature of liquid flowing to said concentrating tower in accordance with the concentration of liquid in said tank, and means for controlling the flow of liquid to said concentrating tower in accordance with demands on the apparatus for dried air.

2,085,029
CONVEYING SKIP
Walter E. Lambert, Knoxville, Tenn.
Application February 26, 1935, Serial No. 8,380
9 Claims. (Cl. 294—69)



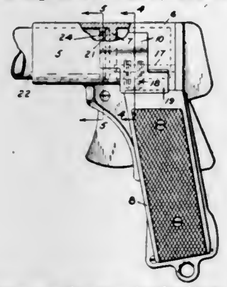
1. A skip comprising an elongated container having an open side, a door for closing said open side, arms supporting the door, means pivotally connecting the arms to the container, and a flexible device at each end of the skip having end portions thereof permanently connected with the container and with the arms for supporting the skip, each flexible device being adapted to be carried by a separate supporting element for uniform support of each end of the elongated skip.

2,085,030
AUTOMATIC SYNCHRONOUS CLUTCH AND BRAKE CONTROL
Carl R. Larson, Chicago, Ill., assignor, by mesne assignments, to Airdraulic Brake Control Corporation, a corporation of Wisconsin
Application March 15, 1933, Serial No. 660,917
21 Claims. (Cl. 192—.01)



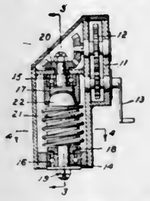
1. In a vehicle, in combination, a power plant for driving said vehicle, a brake, means for holding said brake engaged, fluid pressure responsive means for disengaging said brake, a clutch, fluid suction responsive means for disengaging said clutch, separate sources of fluid pressure and fluid suction, a valve for controlling application of fluid pressure and fluid suction to said respectvie responsive means, and an accelerator lever connected to said valve for applying fluid pressure and suction from said sources to successively disengage or engage said clutch and brake.

2,085,031
MUZZLE LOADING FIREARM
John L. Lockhead, Springfield, Mass.
Application October 21, 1935, Serial No. 45,953
1 Claim. (Cl. 42—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



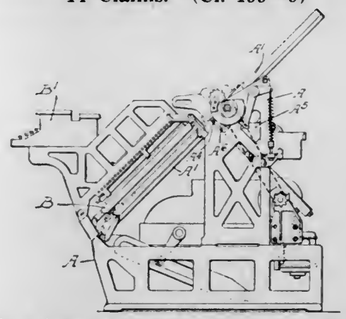
In a firearm, a frame including a barrel and having a cut forming a slot to establish a seating surface whose major portion is parallel to the vertical center line of the frame and whose lower portion is curved, said cut having sufficient depth to extend through the wall of the barrel and provide an opening therein, a latch fitting in the slot and having a surface corresponding to the seating surface of the slot, means for pivotally mounting the latch in the frame with the axis of rotation close to the curved seating portion, said latch having a cartridge-engaging front portion extending through the opening in the barrel when the latch is seated on the seating surface and a spring normally holding the latch on the seating surface.

2,085,032
GEARING
Victor F. Lucht, Aberdeen, Md., and Elmer C. Goebert, Philadelphia, Pa.
Application May 4, 1936, Serial No. 77,767
5 Claims. (Cl. 74—425)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



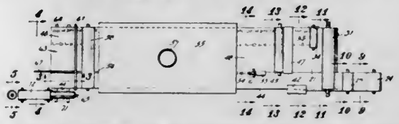
1. A support including an upright rack, a casing slidably mounted on the support, bearings in the casing, a shaft mounted in the bearings, an upper and a lower collar on the shaft between the bearings, cams on the under face of the upper collar, a worm loose on the shaft between the collars and meshing with the rack, a tapered extension on the upper end of the worm and forming an element of a cone brake, cams on the upper face of said extension, and a complementary element of a cone brake on the casing.

2,085,033
TYPE CASTING MACHINE
Chester A. Macomic, Chicago, Ill., assignor to Macomic Corporation, Chicago, Ill., a corporation of Delaware
Application November 15, 1935, Serial No. 49,978
14 Claims. (Cl. 199—9)



1. In a type casting machine, an inclined matrix bed, matrix selecting and type casting mechanism associated therewith, a typewriter adapted to control the operation of the matrix selecting mechanism, the matrix selecting and type casting mechanism being contained substantially within an area bounded by the two horizontal and two vertical planes which pass through the upper and lower ends of the matrix bed.

2,085,034
METHOD OF MANUFACTURING FIBER CONTAINERS
Donald G. Magill, Great Neck, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 13, 1935, Serial No. 49,596
19 Claims. (Cl. 93—39.1)

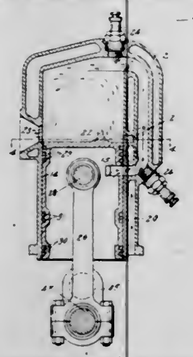


1. The process of manufacturing body blanks for use in containers for holding oil, grease and similar products which comprises, uniting a portion of one side only of a fibrous sheet material such as fiberboard with oil proof parchment by means of oil proof adhesive so that the parchment extends beyond one edge of the fiberboard, the remaining portion of said fibrous sheet material being left free of parchment on both sides thereof, and then folding the projecting edge of the parchment over the edge of the fiberboard and pasting it to the latter, to produce a body stock having an oil proof parchment lining on one side and extending over one edge.

2,085,035
INTERNAL COMBUSTION ENGINE
George W. Meredith, Cincinnati, Ohio
Application October 22, 1934, Serial No. 749,367
8 Claims. (Cl. 123—73)

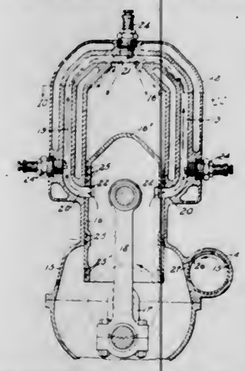
1. In a two-cycle gas engine, the combination with a cylinder provided with a conduit leading

from a port provided in the cylinder wall midway in the length of the cylinder to the space between the piston and the closed end of the cylinder when the piston is at the end of its compression stroke the conduit open continuously to the cylinder, of a piston reciprocating in the cylinder and provided with a port in its lateral wall adapted to register with the conduit port when the piston is at the end of its power stroke, a crankcase attached to the cylinder, the registration of the piston port with the conduit port



adapted to provide communication between the conduit and the crankcase, a by-pass provided in the lateral wall of the cylinder and leading from the crankcase to a second port provided in the cylinder wall midway of the length of the cylinder, an exhaust port provided in that wall of the cylinder diametrically opposite the by-pass port, and the piston adapted to uncover the ports in the following sequence; first, the exhaust port; second, the conduit port and third, the by-pass port.

2,085,036
INTERNAL COMBUSTION ENGINE
George W. Meredith, Cincinnati, Ohio
Application October 22, 1934, Serial No. 749,368
4 Claims. (Cl. 123—73)



4. In a two-cycle gas engine, the combination with a cylinder having a cylinder head provided with conduits leading from ports midway of the length of the cylinder to a port in the center of the cylinder head opening into the cylinder and further provided with a bore ending in a truncated hollow cone with the smaller end of the truncated cone at the port in the cylinder head, of a piston in the cylinder provided with ports in the lateral wall thereof, the piston ports adapted to register with the ports midway of the cylinder when the piston is at the end of its power stroke, and the piston having a piston head in the form of a truncated cone of a form conforming with the conical interior of the cylinder.

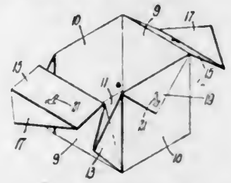
2,085,037
AZO COMPOUNDS AND THEIR PRODUCTION
Fritz Mietzsch, Wuppertal-Barmen, and Josef Klarer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 14, 1933, Serial No. 702,427. In Germany December 24, 1932
15 Claims. (Cl. 260—96)

1. Azo compounds of the general formula:

$$R_1—N=N—R_2,$$

wherein R_1 stands for a cyclic radical selected from the group consisting of para-sulfamide and disulfamide substituted radicals of the benzene series and of the corresponding N-alkyl, N-(4 to 5 membered)-alkylene, N-mononuclear-arylalkyl and N-mononuclear cycloalkyl substituted radicals, and R_2 stands for a cyclic radical containing nitrogen in basic linkage, which cyclic radical is selected from the group consisting of diaminobenzenes, diaminonaphthalenes and the corresponding N-alkylated radicals, which azo compounds form water-soluble salts with mineral acids.

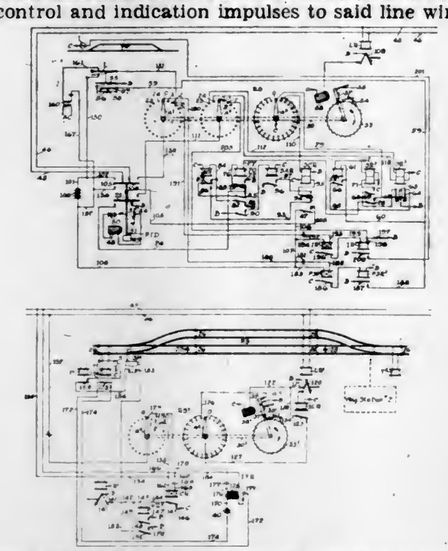
2,085,038
RECEPTACLE
Arnold Perreton, Durham, N. H.
Application January 25, 1936, Serial No. 60,761
6 Claims. (Cl. 229—31)



1. A receptacle formed of sheet material folded to provide side walls and a bottom portion, opposite side walls having downwardly folded pulling tabs embodied therein, and other opposite side walls having portions folded outwardly and downwardly therefrom and terminating in upwardly folded pulling tabs, and means to temporarily seal said downwardly folded portions to the side walls adjacent thereto, said seal being broken and said sheet material being unfolded by pulling outwardly in opposite directions upon said tabs.

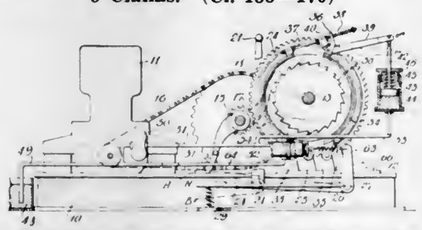
2,085,039
TRAIN DISPATCHING SYSTEM FOR RAILROADS
Ray Plank, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 25, 1929, Serial No. 409,606
27 Claims. (Cl. 246—3)

27. Remote controlling apparatus comprising a line wire connecting an office and a station, manually controlled means at said office for at times initiating said apparatus, automatic means at said station for at times delivering a starting impulse to said line wire for initiating said apparatus, means operating in response to such initiation from said station to deliver a series of alternate control and indication impulses to said line wire,



and means selectively controlled by said control and indication impulses.

2,085,040
SAFETY BRAKING MEANS FOR HOISTING MACHINES
Robert C. Post, Englewood, N. J., assignor to Post & McCord, a corporation of New York
Application March 29, 1934, Serial No. 717,885
9 Claims. (Cl. 188—170)



1. In a hoisting machine, the combination with a hoisting drum and a power unit for rotating the same, of a friction brake for the drum, a spring holding the brake in normal applied position, means operable by hydraulic pressure to overpower the spring and release the brake, means driven by said unit for developing said pressure, and means for varying said pressure including a controller adapted when in neutral position to permit the application of maximum pressure and upon movement in either direction from said neutral position to reduce said pressure and thereby control the degree of application of the brake.

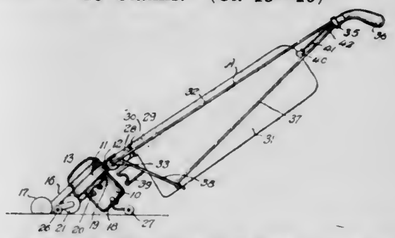
2,085,041
HEAT EXCHANGE APPARATUS
Chauncey Reigart, Dansville, and John Blizard, Garden City, N. Y., and Martin Frisch, Cranford, N. J., assignors to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application May 24, 1935, Serial No. 23,236
17 Claims. (Cl. 257—262)

1. Heat exchange apparatus including a tube, a disc constituting an extended surface member for the tube having a higher coefficient of expansion than the tube and having one or more slots extending radially outwardly from the inner periphery of the member and terminating short of the



outer periphery thereof, and means having a coefficient of expansion no greater than the tube for securing and retaining the member to the tube.

2,085,042
AIR METHOD ELECTRIC CLEANER AND CARPET SWEEPER
Daniel Benson Replogle, Berkeley, Calif., assignor to Citizens Trust Company, Toledo, Ohio, a corporation of Ohio, as trustee
Application March 26, 1935, Serial No. 13,164
16 Claims. (Cl. 15—16)

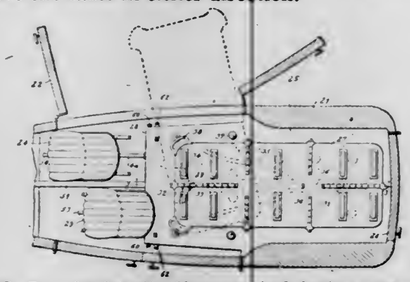


1. In a device of the character described, in combination with the body of a cleaner which includes a fan discharge outlet, a bag supporting frame composed of longitudinally extending bars hingedly connected to the body of the cleaner, and a porous paper bag supported by said frame having its mouth portion swingably connected to said fan discharge outlet.

2,085,043
HYDRAULICALLY OPERATED CASKET TABLE FOR HEARSES
Edward Richter, Freeport, Ill.
Application February 4, 1935, Serial No. 4,729
45 Claims. (Cl. 214—65)

1. In a hearse of the side delivery type, the combination of a casket table movable relative to a support, guide means on said support cooperating with the table for guiding the table for forward and lateral movement thereof from a longitudinal retracted position toward and out of the side of the hearse, interfitting piston and cylinder elements disposed substantially parallel to the longitudinal axis of the casket table support, one of said elements being fixed relative to said support and the other of said elements being

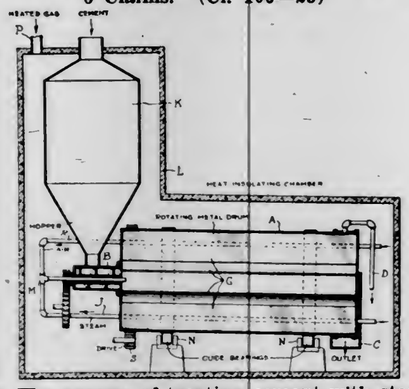
movable with respect thereto, said movable element being pivotally connected to the table to communicate longitudinal movement thereto and permit simultaneous lateral movement, and means for supplying working fluid under pressure to either end of the cylinder whereby to move the table in either direction.



23. In a hydraulically operated device arranged to be operated interchangeably by power or by hand, a reciprocable part, relatively movable piston and cylinder elements for communicating movement to said part under power or arranged to be moved therewith by hand, a fluid reservoir, a pump supplied with fluid therefrom, a motor for driving said pump, and a valve communicating with the reservoir and pump and connected with the cylinder arranged in either of two operative positions to conduct fluid under pressure selectively to either end of the cylinder and simultaneously exhaust fluid from the respectively opposite end of the cylinder into the reservoir to produce movement of the part under power in either direction as desired, said valve being so constructed and so connected with the cylinder whereby it is arranged in a third position to interconnect the opposite ends of the cylinder and establish communication therefor with the reservoir, whereby to permit movement of said part manually independently of the pump and motor, said valve including a spring seated valve member which normally is seated to allow a relatively restricted flow of fluid for power operation of the reciprocable part, but is arranged to be unseated by fluid pressure to allow relatively unrestricted flow of fluid for manual operation of said reciprocable part.

2,085,044
PROCESS OF TREATING PORTLAND CEMENT

Paul S. Roller, Stelton, N. J.
Application May 21, 1935, Serial No. 22,500
6 Claims. (Cl. 106—25)



1. The process of treating cement with steam, which comprises providing the cement in heated condition and having a temperature of between 105° C. and 130° C., superheating the steam to a temperature of between 105° C. and 130° C. and treating the so heated cement with the steam, for a period of more than 5 minutes whereby an amount of moisture is absorbed to produce a slow setting cement.

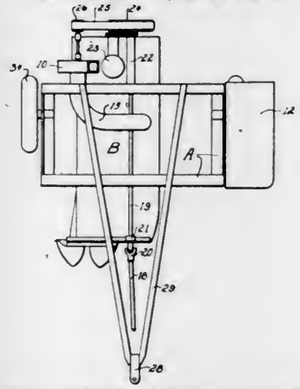
2,085,045
INHIBITORS FOR LUBRICATING OILS

Raphael Rosen, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 27, 1933, Serial No. 704,131
4 Claims. (Cl. 87—9)

1. A composition comprising essentially a refined viscous mineral oil stabilized against oxidation by addition thereto of a small amount of a compound having the general formula R—X—R'—OH, where R is an aliphatic radical, X is an element of the sulfur family consisting of sulfur, selenium, and tellurium, and R' is an aromatic group.

2,085,046
COTTON PICKING MACHINE

John D. Rust and Mack D. Rust, Memphis, Tenn.
Application June 13, 1935, Serial No. 26,363
Renewed July 13, 1936
36 Claims. (Cl. 56—14)



1. A cotton picking machine comprising a picking unit carried by a truck having wheels spaced to straddle two cotton rows, means for pulling and powering said picking machine by an ordinary row-crop tractor, and manually controlled means for guiding the picking unit on the row to some extent independently of the course of the carrying truck.

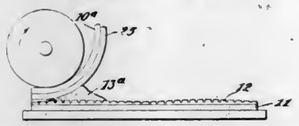
2,085,047
POROUS AND INSULATING MATERIALS

George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application February 24, 1934, Serial No. 712,750
13 Claims. (Cl. 18—48)

1. Method of preparing porous material containing derivatives of cellulose, which comprises mixing the derivatives of cellulose with particles of a solid substance that decomposes with formation of a gas under the influence of heat alone, at a temperature below the fusion temperature of the derivative of cellulose and subjecting the mixture to a temperature sufficiently high to decompose the substance to form the gas without fusing the cellulose derivative.

2,085,048
METHOD OF MAKING PRINTING FORMS

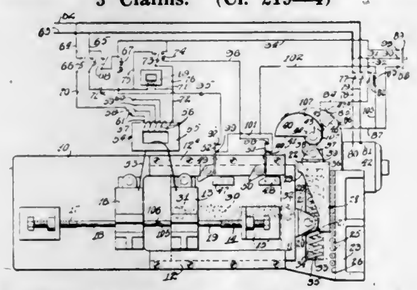
Oswald R. Schultz, New York, N. Y., assignor to Cellu-Type Plate Co., Inc., Union City, N. J., a corporation of New York
Application February 27, 1931, Serial No. 518,649
18 Claims. (Cl. 41—25)



7. The method of preparing printing forms from a copy relief which includes, placing a backing plate in a horizontal plane, flowing cellulosic material in solution over said backing plate, allowing said cellulosic material to set, harden and freeze to the backing plate to form a layer, placing a plastic mass of cellulosic material upon the copy relief, rolling said backing plate with the cellulosic material attached thereto against said copy relief to spread the plastic mass therebetween, allowing the plastic mass to harden and unite itself to said cellulosic layer, and removing the thus molded plate from the copy relief.

2,085,049
MACHINE FOR MAKING FLASH BUTT WELDS

William H. Spire, Cleveland, Ohio, assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application January 17, 1936, Serial No. 59,497
5 Claims. (Cl. 219—4)

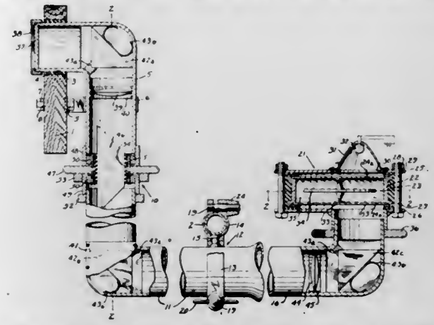


5. Welding apparatus comprising a pair of relatively movable electrodes arranged to hold metal work pieces to be welded together, means for relatively moving said electrodes towards each other during the welding operation, a transformer having a primary and secondary, the secondary being connected to the electrodes, a source of electric current connected to initially supply the primary of the transformer with line voltage, and means controlled by the movement of said electrodes for subsequently reducing the supplied voltage at a predetermined point of the welding operation.

2,085,050
IMPROVED COMPASS MOUNT

Raymond K. Stout, Dayton, Ohio
Application June 23, 1936, Serial No. 86,796
5 Claims. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A remotely reading magnetic compass comprising, in combination, a periscopic type optical system including a fixed viewing portion and a movable objective portion, means for adjusting the position of said movable portion in azimuth, and a magnetic compass carried by and adjustable about an axis parallel to but remotely located from the axis of rotation of said movable portion, said compass including a card having an illuminated indicia portion arranged in the field of said optical system.



2,085,051
TREATING GREEN CORN

Robert B. Taylor, near Knoxville, Tenn.
No Drawing. Application October 14, 1936, Serial No. 105,528
6 Claims. (Cl. 99—193)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Process for preserving green corn, which comprises, husking, removing silk and cleaning an ear of corn; freezing the cleaned ear of corn to the extent that at least all of the grains of corn are completely frozen; shelling the frozen grains of corn, with all grains substantially completely intact, from the cob; and preserving the shelled grains of corn in a closed container.

2,085,052
PRODUCTION OF POROUS MATERIALS

William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application March 21, 1933, Serial No. 661,937
In Great Britain April 9, 1932. Renewed November 21, 1934
11 Claims. (Cl. 18—48)



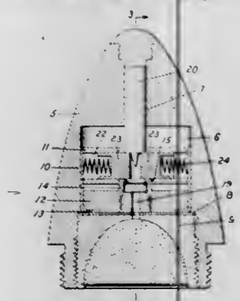
1. Process for the production of sponge-like masses, which comprises saponifying a porous mass of a material containing a cellulose carboxylic ester.

2,085,053
FIRING MECHANISM FOR FUSES

Alfred F. Teitscheid, Wharton, N. J.
Application May 31, 1934, Serial No. 728,346
5 Claims. (Cl. 102—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

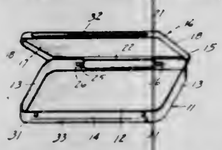
1. In a fuse, a casing having a chamber, a plunger mounted in the chamber and comprising a shell having an inturned flange on one

end, a block in one end of the shell and fixed thereto, said block formed with a central aperture and a diametrical passage, a block movably mounted in the other end of the shell and retained by the inturned flange of the shell, a stem on the movable block partly disposed in the aper-



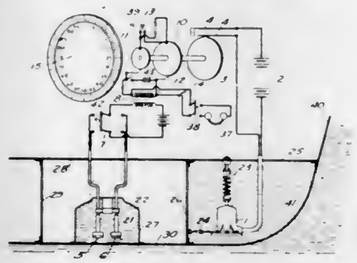
ture of the fixed block, a primer carried by the movable block, a firing pin having one end partly disposed in the aperture of the fixed block, and centrifugally releasable bolts mounted in the passage of the fixed block and normally separating the firing pin and movable block.

2,085,054
CONTAINER
Louis A. Trevisan, Bloomfield, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 15, 1934, Serial No. 757,693
1 Claim. (Cl. 220—60)



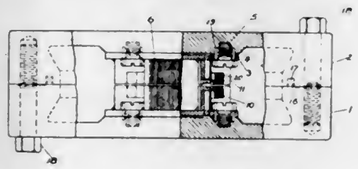
A relatively thin substantially flat non-circular sheet metal hinged cover container, comprising a tray-like body member including a bottom and front and rear walls, said front wall adjacent its upper edge being provided with a plurality of spaced outwardly extending protuberances, one of said protuberances being located adjacent each end of said front wall, and a longitudinal continuous outwardly extending bead on said front wall disposed below said spaced protuberances and substantially parallel with the upper edge of said front wall, and a flat tray-like walled cover hinged to the rear wall of said body and including a depending front flange overhanging and snugly engaging the front wall of said body when the cover is in closed position, said cover flange having a longitudinal continuous outwardly pressed bead extending substantially from end to end of said flange, the opposite ends of said cover bead being adapted to engage over and yieldingly interlock with the said protuberances disposed adjacent the opposite ends of the front wall of the container body to resiliently maintain said cover in closed position, the intermediate portion of said cover bead reenforcing the cover flange against undue distortion to insure against inadvertent displacement of said protuberances from said cover bead, said longitudinal cover and body beads also cooperating to provide a convenient finger grip to release said hinged cover flange from said protuberances when it is desired to open the container.

2,085,055
SYSTEM AND APPARATUS FOR SUBMARINE SIGNALING
Robert Longfellow Williams, Newton, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Original application September 12, 1927, Serial No. 219,002. Divided and this application July 30, 1932, Serial No. 626,559
3 Claims. (Cl. 177—386)



1. In combination in a system for distance or depth measurement, impact means for transmitting compressional waves of an impact character comprising a diaphragm exposed to the medium in which the measurements are made, an impact element, means enclosing said impact element on one side of the diaphragm, means within said enclosure for causing the impact element to strike the diaphragm and means responsive to the impact signal produced by said impact element comprising a receiver having a casing with an acoustic diaphragm at one side thereof adapted to be exposed to the medium, an electrode mounted on said diaphragm and a second electrode adapted to make light contact with said first electrode and be operated to break said contact when a reflected signal is received from the impact element.

2,085,056
SUBMARINE SIGNALING APPARATUS
Robert Longfellow Williams, Newton, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application October 31, 1929, Serial No. 403,812
9 Claims. (Cl. 177—386)



1. A submarine oscillator including two opposed diaphragms, means provided at the edge of the diaphragms for clamping said diaphragms together including a plurality of bolts, some threading into said means on one side and others on the other alternately.

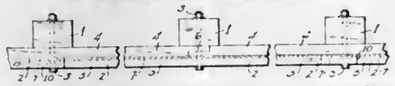
6. A submarine oscillator comprising two opposed diaphragms having heavy outer rims adapted to form an entirely enclosed casing, said diaphragms having a central boss section, a plate positioned to abut said boss section, electrical means including a group of laminations forming an electromagnet welded together to said plate for producing mechanical oscillations, and means for bolting said plates to the boss portions near the periphery of said plates.

2,085,057
DENT REMOVING DEVICE
Willed Williams, Fort Humphreys, Washington, D. C.
Application June 3, 1936, Serial No. 83,346
2 Claims. (Cl. 153—80)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



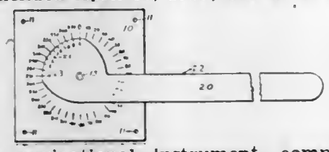
1. A dent removing device comprising a head, an expanding member pivoted to said head, and means for actuating said expanding member, said means comprising a screw threaded flexible shaft having one end adapted to abut against said expanding member and a handle secured to the other end of said flexible shaft.

2,085,058
GUARDRAIL
Henry Allyn Wood, Berkeley, Calif.
Application March 12, 1934, Serial No. 715,183
8 Claims. (Cl. 256—13.1)



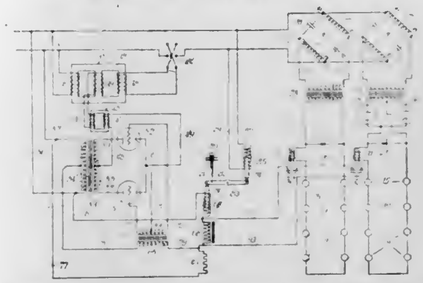
1. A guard fence comprising a plurality of posts, wooden guard rails disposed along the posts in aligned relation, bolts for anchoring the rails to the posts, and looped cables reinforcing the rails and having their ends passing around the bolts so as to be interlocked thereby.

2,085,059
NAVIGATIONAL INSTRUMENT
Elmer L. Woodside, United States Navy
Application June 1, 1934, Serial No. 728,504
2 Claims. (Cl. 33—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



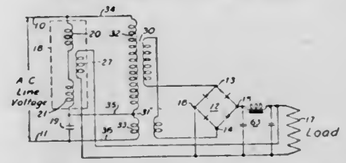
1. A navigational instrument, comprising a piece of transparent material bearing on its lower surface two fine lines at right angles to each other and bearing a compass rose on the upper surface, said compass rose being of substantial internal diameter and whose circumference is marked clockwise at ten-degree intervals from 0° to 360°, one of said fine lines being parallel to and directly underneath the 0° and 180° marks of said compass rose, and the center of said compass rose being vertically above the intersection of said lines, and an arm rotatably secured to said piece of material at the center of said compass rose and having an edge extending radially from said center, there being concentric with the axis of rotation of said arm an enlarged quadrant whose peripheral edge extends to the marks on the compass rose, said quadrant having on and extending inwardly from its peripheral edge a scale having a peripheral length of substantially a 90° sector of said compass rose and comprising substantially eleven graduations each approximately 9° apart, one of said graduations being an index mark in definite relation to said radial edge of said arm and the other graduations being appropriately marked.

2,085,060
CONSTANT CURRENT SYSTEM
Hugh E. Young, Chicago, Ill.
Application July 29, 1935, Serial No. 33,706
8 Claims. (Cl. 171—119)



1. In combination, an alternating current supply circuit, a substantially constant current load circuit, a monocyclic square connecting said supply circuit with said load circuit, potential regulating means for controlling the potential of said supply circuit comprising a saturable core reactor and an electron tube, the conduction period of said electron tube governing the flux density in said reactor, and means responsive to the potential of said supply circuit and to the current in said load circuit for controlling the conduction period of said tube.

2,085,061
VOLTAGE REGULATOR FOR RECTIFIER CIRCUITS
Clair V. Aggers, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1934, Serial No. 741,520
9 Claims. (Cl. 175—363)

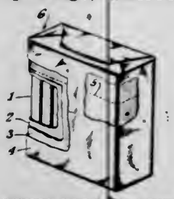


2. In combination with a rectifier interconnecting an alternating current circuit with a direct current circuit, an inductance and capacitance having values near resonance for the desired current value in said direct current circuit, serially connected in shunt with said alternating current circuit and means in shunt with said direct current circuit controlling the impedance of said inductance and capacitance in accordance with variations in said direct current circuit.

2,085,062
COMBINATION CIGARETTE PACKAGE AND ASHTRAY
Edith D. Allen, New York, N. Y.
Application January 15, 1936, Serial No. 59,197
3 Claims. (Cl. 206—41)

1. A cigarette package and refuse receptacle comprising a plurality of separable wrappers enclosing a plurality of cigarettes, at least one of the inner wrappers being waterproof, imperforate and adapted to be retained to cover the contents of the package in their original dimensions, at least one of the outer wrappers being

fire resistant and provided with means permitting it to be severed in substantially one plane on all sides of the package, whereby one end of a



fire resistant wrapper may be removed to form an ash tray and used as a receptacle and closed upon the contents for discarding.

2,085,063

ORGANIC MERCURY COMPOUNDS

Carl N. Andersen, Watertown, Mass., assignor to Lever Brothers Company, a corporation of Maine

No Drawing. Application December 7, 1934, Serial No. 756,476

7 Claims. (Cl. 260—13)

1. A new organic compound of the general formula $RHg.R_1$ in which R represents an aromatic structure to a carbon atom of which the mercury is directly attached and in which none of the carbon atoms has direct linkage with any elements other than hydrogen, carbon and mercury; and in which R_1 represents a radical comprising an aromatic nucleus to which is attached a saturated side chain containing a COOH group to which the RHg group is linked by the replacement of the hydrogen atom of the COOH group.

2,085,064

AROMATIC MERCURY CYCLIC ALKALOID COMPOUNDS AND METHOD OF MAKING THEM

Carl N. Andersen, Watertown, Mass., assignor to Lever Brothers Company, a corporation of Maine

No Drawing. Application January 21, 1935, Serial No. 2,757

15 Claims. (Cl. 260—13)

5. A new aromatic mercury compound in which the radical RHg—is attached to a cyclic alkaloid, where R represents an aromatic structure to a carbon atom of which the mercury is directly attached and in which none of the carbon atoms has direct linkage with any element other than hydrogen, carbon and mercury.

2,085,065

AROMATIC MERCURY SUBSTITUTED HETEROCYCLIC COMPOUND

Carl N. Andersen, Watertown, Mass., assignor to Lever Brothers Company, a corporation of Maine

No Drawing. Application February 25, 1935 Serial No. 8,081

16 Claims. (Cl. 260—13)

1. An aromatic mercury substituted heterocyclic compound, in which the radical RHg is attached to a substituted heterocyclic compound, where R represents an aromatic structure to a carbon atom of which the mercury is directly attached and in which none of the carbon atoms has direct linkage with any element other than hydrogen, carbon or mercury, and where the substituted heterocyclic compound to which the RHg radical is attached contains but one hetero atom which has direct linkage with only atoms in the heterocyclic ring.

2,085,066

AROMATIC MERCURY AMIDES AND PROCESS OF MAKING THE SAME

Carl N. Andersen, Wellesley Hills, Mass., assignor to Lever Brothers Company, a corporation of Maine

No Drawing. Application April 18, 1935, Serial No. 17,062

19 Claims. (Cl. 260—13)

5. A new aromatic mercury compound of the general formula $(RHg)_x.R_1$, in which R represents an aromatic structure to a carbon atom of which the mercury is directly attached and in which none of the carbon atoms has direct linkage with any element other than hydrogen, carbon and mercury; in which R_1 represents a radical containing an amido group that is linked to the RHg group through attachment to the nitrogen atom of the amido group and in which x is an integer representing the number of RHg groups attached to the amide, which integer is at least one and not more than twice the number of amido groups in the radical R_1.

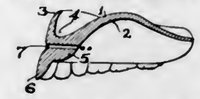
2,085,067

DENTAL PLATE

Alfred W. Ballardie, San Francisco, Calif.

Application June 21, 1935, Serial No. 27,659

3 Claims. (Cl. 32—2)



1. A denture comprising a plate having an arcuate chamber at its upper side within which a person's gum tissues are normally positioned, a series of depending teeth mounted in the plate, and one or more passageways for saliva extending through the plate at points near the base of the teeth beneath but not communicating with the said chamber.

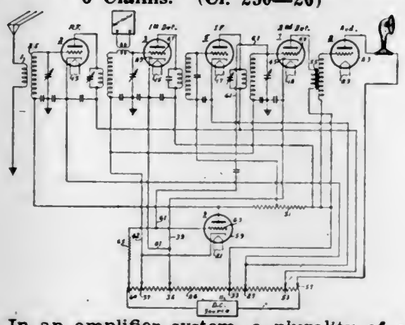
2,085,068

VOLUME CONTROL SYSTEM FOR AMPLIFIERS

George L. Beers, Merchantville, N. J., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application May 1, 1930, Serial No. 448,863

6 Claims. (Cl. 250—20)



5. In an amplifier system, a plurality of amplifying stages in tandem and means for changing the amplifier characteristics of certain of said stages at a faster rate than those of subsequent amplifier stages in response to changes in carrier intensity whereby a uniform volume level for the system may be maintained without distortion.

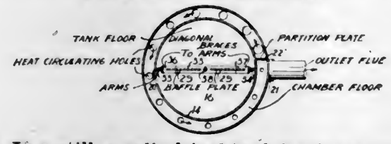
2,085,069

STILL FOR RENOVATION OF USED OILS

James F. Bellinger, La Fayette, Ind., assignor to Scientific Oil Corporation, Indianapolis, Ind.

Application August 28, 1935, Serial No. 38,260

9 Claims. (Cl. 196—104)



5. In a still, a cylindrical tank having a conical floor; a flue chamber encircling the lower part of the tank and having a flue outlet; a baffle in the chamber; the floor of said chamber having a series of holes therethrough; a combustion chamber about the lower end of said tank in communication with said flue chambers through said holes; a vertical shaft revolubly supported in the tank; and a pair of arms extending laterally from the shaft to have portions turned vertically to extend along the wall of the tank in relatively close proximity thereto, said arms extending at least over a part of the conical floor and that part of the tank surrounded by said flue chamber; and a central vertical baffle terminating by its outer edges to permit said arms to pass therearound.

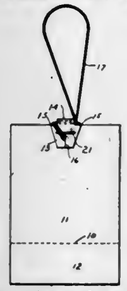
2,085,070

SEALABLE TAG

Charles Bender, Brooklyn, N. Y.

Application April 28, 1937, Serial No. 139,479

3 Claims. (Cl. 40—21)



1. A tag of the class described comprising a piece of material having a tongue formed at one end, an undercut portion provided on said tongue and a slit cut in the free end of the tongue, a looped tying member adapted to be secured around an article, the free end of said looped tying member wound around the undercut part of the tongue and through the slit in the end of the tongue, the tongue folded over against the tag, and a staple clinched through the tag and the tongue to secure the ends of the tying loop.

2,085,071

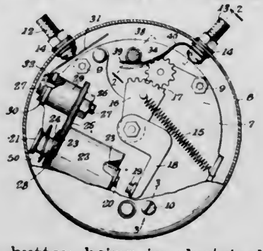
ELECTRIC CLOCK

Joseph Berti, Brooklyn, N. Y., assignor to Phinney-Walker Co. Inc., New York, N. Y., a corporation of New York

Application May 11, 1935, Serial No. 21,003

9 Claims. (Cl. 185—40)

4. An electric clock, comprising a case, a spring retracted push button mounted on said case and having a holding shoulder, a thermostatic element mounted on said case in engagement with said holding shoulder and shiftable in the heating of the same free of said holding shoulder, an electric clock movement in said case in electrical connection with said thermostatic element, said case being of conducting material,



said push button being in electrical connection with said case, the thermostatic element being insulated from the case and the movement being in electrical connection with the case.

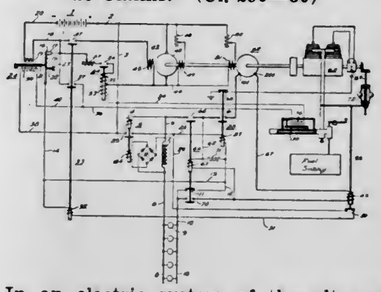
2,085,072

SMALL ELECTRIC POWER PLANT

Stanley A. Bobe, McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 14, 1934, Serial No. 730,562

20 Claims. (Cl. 290—30)



1. In an electric system of the alternating-current type, in combination, an internal combustion engine, an alternator coupled to said engine, a dynamo-electric machine also coupled to said engine, a battery, load circuits having current-consuming units adapted to be connected to said load circuits, an electromagnetically operable switch adapted to be operated from the battery upon the connection of a current-consuming unit to the load circuits, a starting electromagnetic switch controlled by said first-named switch and adapted to connect said dynamo-electric machine to said battery to operate as a motor to crank the engine, thermostatic time-limit means for limiting the cranking period of the engine, means responsive to the rise in voltage of the alternator adapted to so connect said first-named switch as to prevent the operation of said first-named switch from said battery and for causing its operation from the alternator responsive to the rise in alternator voltage for transferring the load circuits to the alternator, and means for stopping the engine upon the disconnection of the load, or current-consuming units, from said load circuits.

2,085,073

SOUND TRANSLATING DEVICE

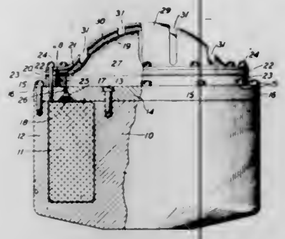
Lee G. Bostwick, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 21, 1935, Serial No. 7,484

13 Claims. (Cl. 181—31)

1. A sound translating device comprising a diaphragm having a portion vibratile as a whole

throughout a band of audio frequencies, said portion being of sufficient area to propagate sound waves of substantial intensity without the aid of a horn, means for actuating said diaphragm,



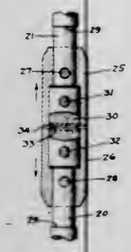
and means adjacent the radiating surface of the diaphragm for increasing the range of frequencies in which the radiation resistance at said diaphragm varies as the square of frequency, by several thousand cycles.

2,085,074

HYDRANT AND DEFORMABLE OR BREAKABLE VALVE STEM THEREFOR

Ralph R. Boyles, St. Paul, Minn., assignor to Waterous Company, St. Paul, Minn., a corporation of Minnesota

Application May 13, 1935, Serial No. 21,201
7 Claims. (Cl. 287—108)



5. A valve stem or the like comprising two stem elements, a sleeve for each element forming therewith a terminal socket, a frangible connector having portions fitting the sockets, plural means detachably securing the connector to the sleeves and the stems to the sleeves, each sleeve being slidable on the stem after release of the plural means, whereby to force the ends of the connector out of the sockets after breakage of the connector.

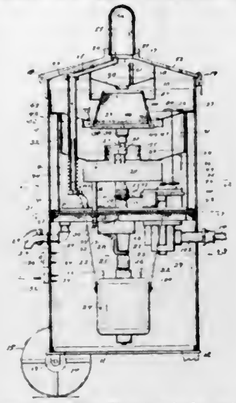
2,085,075

CRANKCASE FLUSHER AND CLEANER

James K. Delano, Poughkeepsie, N. Y.

Application January 8, 1936, Serial No. 58,135
6 Claims. (Cl. 184—1.5)

1. In an apparatus for cleaning crank-cases of the class described, comprising a cleaning fluid supply container, a motor driven pump for causing the fluid to travel, a valve having a series of ports for directing the direction of travel, means actuated by and timed in relation to the speed of the motor for operating said valve to reverse the direction of flow of the fluid through said valve, a single duct tubular connection between the valve and the crank-case through which the fluid passes in either direction, a centrifuge having a strainer member interposed between the valve and the fluid intake and driven by the motor, a renewable filter for said strainer member, and



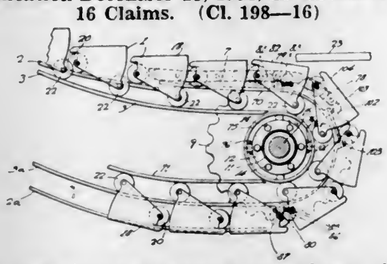
means for heating the fluid while within the fluid supply container.

2,085,076

MOVING STAIRWAY

James Dunlop, Park Ridge, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Application December 18, 1934, Serial No. 758,036
16 Claims. (Cl. 198—16)



7. In a moving stairway, a pair of gear chains disposed in parallel relation, a plurality of sprocket wheels for supporting the gear chains, a pair of parallel tracks, a plurality of steps disposed for operation along the tracks by the gear chains, each step including a pair of leading rollers and a pair of trailing rollers, and a substantially circular track disposed adjacent to each of the sprocket wheels and rotatable independently thereof to provide an arcuate track for each of the trailing rollers as the steps go around the end of the stairway.

2,085,077

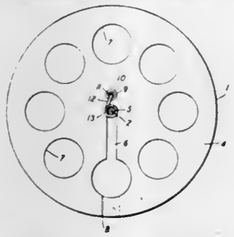
INSULATOR

Arthur L. Fox, Upper Montclair, N. J., Frederic V. Haskell, Stamford, Conn., and William C. Sturzenegger, Chester, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 14, 1935, Serial No. 54,434
3 Claims. (Cl. 173—28)

1. An insulator for line wires comprising a comparatively stiff apertured disc of insulating material, a tube supported by said disc and extending transversely through said disc and projecting from opposite faces of said disc, a wire supported in said tube and having end portions projecting outwardly from said tube and adapted to be wrapped around the line wire to hold the

insulator in a required position on the line wire, said tube being supported in said disc at a point offset relative to the diametrical center of said disc, a slot formed in said disc and extending from the diametrical center of said disc towards the periphery and a diagonal slit formed in the periphery of said disc and in communicating relationship with said slot, said slot being of



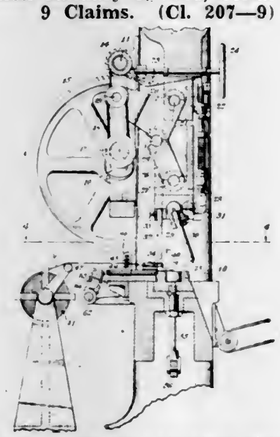
sufficient width to readily receive a line wire and said slit being narrower than the diameter of the line wire but capable of enlargement by flexure of the peripheral portion of said disc adjacent the sides of the slit and said slot and said diagonal slit serving when said slit is enlarged to permit the placement of the insulator about a line wire so that the line wire extends transversely through the central portion of said disc.

2,085,078

METHOD OF AND APPARATUS FOR FORMING SLUGS AND EXTRUDING THE SAME

John H. Fridén, East Orange, N. J., assignor to The Sun Tube Corporation, Hillside, N. J., a corporation of New Jersey

Application January 5, 1934, Serial No. 705,371
9 Claims. (Cl. 207—9)



8. In apparatus for extruding thin walled tubular articles, means for severing a strip of metal into short sections, means for feeding a flat narrow strip of metal to said severing means, a die, means for transferring said sections to said die after each severing operation, and a punch for cooperating with said die to extrude said sections into tubular articles.

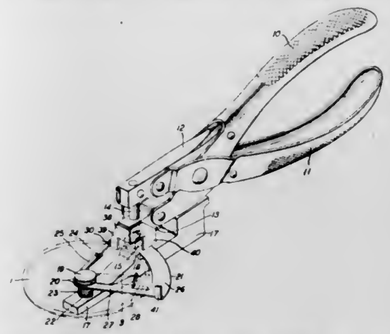
2,085,079

CUTTING DEVICE

Howard Broadwell, Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 19, 1936, Serial No. 86,060
6 Claims. (Cl. 164—121)

1. A device for cutting code discs which comprises a cutting blade, a rotatable disc engaging element for engaging and advancing the disc relative to said blade, means for actuating said blade



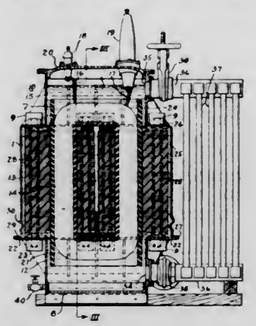
to cause said disc to be cut and said disc engaging element to be disengaged from said disc.

2,085,080

TRANSFORMER CASE STRUCTURE

Roy L. Brown, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 13, 1935, Serial No. 54,296
5 Claims. (Cl. 175—361)



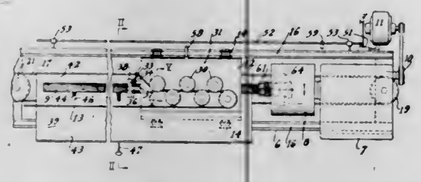
1. In a shell type transformer, in combination, a core and coil assembly, a case for enclosing the core and coil assembly, the case comprising an upper and a lower section, the lower case section comprising an enclosing wall having a horizontal flange extending outwardly from the top thereof for supporting the core and coil assembly, the upper case section comprising an enclosing wall having vertical sections and a horizontal section supported by the core assembly, the vertical sections extending in opposite directions from the opposite edges of the horizontal section, one of the vertical sections of the upper case section comprising a vertical wall depending from the horizontal section to cover the core assembly and a substantially horizontal flange extending outwardly from the lower edge thereof, means in the depending vertical wall for providing a resilient covering over the core assembly, means for connecting the flange extending outwardly from the depending vertical wall to the horizontal flange of the lower case section to provide a leak-proof joint therebetween, and means for clamping the core assembly between the horizontal section of the upper case section and the horizontal flange of the lower case section for preventing vibration of the core assembly.

2,085,081
WEATHER INDICATOR
Manfred H. Curry, Munich, Germany
Application February 17, 1934, Serial No. 711,769
In Germany June 28, 1933
10 Claims. (Cl. 73—24)



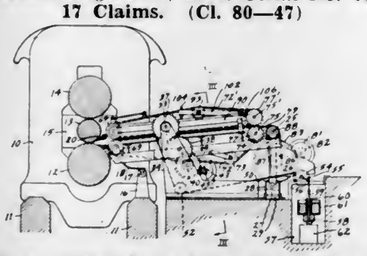
1. A weather indicator having in combination two superimposed circular plates movable in relation to each other, a chemical reagent whose color changes with humidity carried by the upper plate, the lower plate being divided into a plurality of concentric sections and each section being radially sub-divided, each sub-division in one section bearing an inscription designating a meteorological condition, each sub-division of another section being of a different color corresponding to a color to which the chemical reagent may change and each sub-division of a third section being marked with a letter representing a cardinal point of the compass, the upper plate having openings adapted to register with a sub-division of each section of the lower plate whereby a comparison of the color between the chemical reagent and a colored sub-division may be made and a meteorological condition indicated.

2,085,082
METHOD FOR BUNDLING BALE TIES AND THE LIKE
Albanus G. Delany, Alabama City, Ala., assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application October 15, 1932, Serial No. 637,901
13 Claims. (Cl. 100—31)



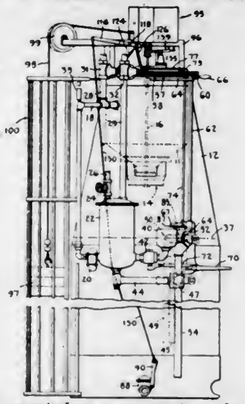
1. The method of tying bundles of wires or the like, which comprises securing one end of the binding wire to the bundle, rotating the bundle in a manner to twist its wires about the long axis of the bundle with one end of the bundle of wires left free, guiding the binding wire lengthwise of the twisted bundle to wind it spirally thereon in the direction of the twist imparted to the wires in the bundle, and securing the other end of the binding wire to the bundle against endwise slippage.

2,085,083
AUTOMATIC CATCHER FOR ROLLING MILLS
Albanus G. Delany, Alabama City, Ala., assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application August 17, 1934, Serial No. 740,235
17 Claims. (Cl. 80—47)



1. In a catcher for a three-high rolling mill, a table having a four point floating suspension comprising cranks supporting the table near its inner end, the point of support for the outer table end lying substantially in a plane with the axis of the cranks and the axis of the middle mill roll, and means to oscillate said cranks to manipulate the table.

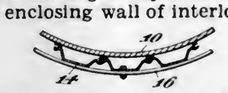
2,085,084
ACETYLENE GENERATOR
George M. Deming, East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application January 12, 1933, Serial No. 651,249
8 Claims. (Cl. 48—36)



8. In an acetylene generator, in combination with a generator tank having a carbide hopper; mechanism including a motor for feeding carbide from the hopper into water in the tank; a water filling system including a valve; and a main control handle for operating the water filling valve; of brake means for preventing operation of the motor, and means operatably connecting the main control handle with the brake means to prevent operation of the carbide feed mechanism when the main control handle is in position to open the water filling valve.

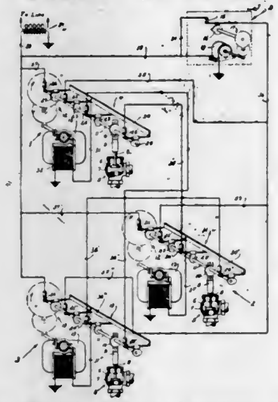
2,085,085
REENFORCED TANK
Robert S. A. Dougherty, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application September 13, 1933, Serial No. 689,199
7 Claims. (Cl. 220—71)

1. A liquid storage land tank structure comprising a tank having comparatively thin side walls, and an enclosing wall of interlocking rolled



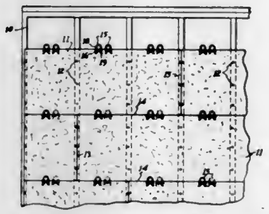
steel sheet piling in contact with said tank for the purpose of resisting distortion of said tank due to hydrostatic forces within said tank.

2,085,086
CONTROL SYSTEM FOR ELECTRICALLY OPERATED DEVICES
George Forrest Drake, Rockford, Ill., assignor to Howard D. Colman, Rockford, Ill.
Application September 14, 1934, Serial No. 744,031
4 Claims. (Cl. 172—239)



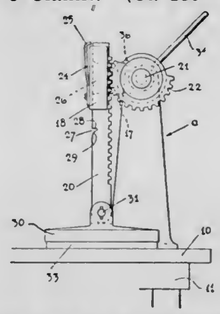
3. In an electrical control system, in combination, a series of control devices each including a control member operable in cycles, a master controller common to the several devices, and circuit connections controlled by said devices for operatively associating the master controller with said devices successively and for rendering the devices controllable in alternate cycles by the master controller and the preceding device of the series respectively.

2,085,087
REENFORCING MEANS FOR WALLS
George H. Ellis, New Brighton, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota
Application November 27, 1936, Serial No. 112,890
8 Claims. (Cl. 72—32)



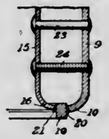
1. In combination with studding, slabs of material secured to and bridging the studding and formed to provide an abutting joint which extends transversely of the studding, a plurality of reenforcing structures on opposite faces, each attached to one of two contiguous slabs and extending cross the corresponding joint and engaging the other slab to prevent opening of the joint when pressure is applied against faces of the slabs, each of the reenforcing structures having prongs which are driven into one slab, and a single staple securing reenforcing structures on both sides of the same slab.

2,085,088
PHOTOGRAPHIC MOUNTING PRESS
Joseph P. Engstrom, Red Wing, Minn.
Application December 26, 1934, Serial No. 759,256
3 Claims. (Cl. 188—67)



1. Latching means for a device of the character described having a frame and a member reversely slidable thereon and tending to move in one direction, said means including a latching pawl mounted on said frame and a series of abutments on said member, the pawl comprising a body having a head thereon, said pawl being movable to bring said head into the path of an adjacent abutment and adapted to prevent the movement of said member in the direction first mentioned upon the engagement of such abutment with said head, said pawl being self-movable to free said head from its engaged abutment and to position the head clear of all of said abutments upon the movement of said member in a direction opposed to that first mentioned.

2,085,089
BOILER
Thomas C. Ervin, Chattanooga, Tenn.
Application May 12, 1936, Serial No. 79,318
3 Claims. (Cl. 122—368)

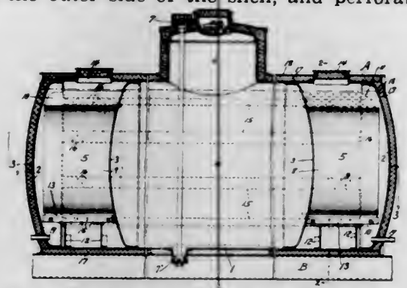


1. A boiler firebox, comprising spaced outer and inner firebox forming sheets, the outer sheets having their lower edges turned inwardly and the inner sheets having their lower edges turned outwardly and welded connecting means integrally uniting said inwardly and outwardly directed lower edges of said outer and inner firebox forming sheets and including a narrow welding ring to which said outwardly and inwardly directed edges are welded, the lower edges of said welding ring being exposed as a narrow edge reinforcement between the bent lower edge portions of said firebox forming sheets.

2,085,090
REFRIGERATED TANK CAR
Clyde H. Folmsbee, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application November 3, 1934, Serial No. 751,353
10 Claims. (Cl. 62—15)

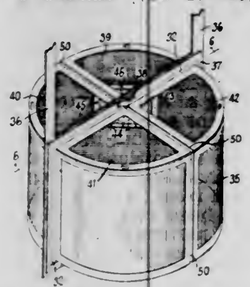
1. A refrigerated tank car comprising ends, bulkheads, and a shell connecting said ends and

bulkheads to form end cooling compartments and at least one central lading compartment, a plurality of members extending along, and connected to the outer side of the shell, and perforations



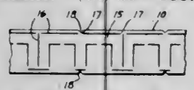
in the walls of the cooling compartments to connect the cooling compartments with the members for interchange of cooling medium therethrough.

2,085,091
WINDOW
Frederick P. Fox, Scarsdale, N. Y.
Application October 19, 1935, Serial No. 45,719
5 Claims. (Cl. 47—40)



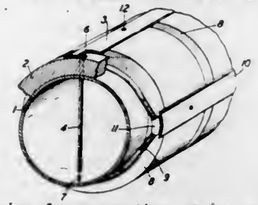
1. In a bay window having a glass lying outside the building wall, a rotatable platform lying close to said glass and partly outside the building, a container for plants and the like, and means to weather-proof the construction.

2,085,092
PROCESS OF FABRICATING LAMINATIONS
Ernest L. Furth, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1935, Serial No. 54,251
6 Claims. (Cl. 29—155.5)



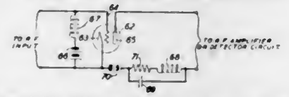
3. In a continuous process of fabricating laminations for electrical apparatus from a continuous strip of magnetic material, in combination, moving the strip through means for cutting the strip along predetermined lines to substantially form the laminations, the laminations being maintained in position in the strip by predetermined uncut supporting portions, moving the strip through a furnace at a temperature sufficiently high to anneal the strip, moving the annealed strip through an enameling bath to provide an insulating coating for the laminations, and moving the annealed and enameled strip through another of said means for cutting the said supporting portions to sever the annealed laminations from the strip.

2,085,093
SHEET HOLDING MEANS
Marcel C. Gauthier, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 6, 1933, Serial No. 688,329
13 Claims. (Cl. 178—5)



1. A device for mounting sheet material on a cylinder comprising said cylinder provided with a plurality of circumferential grooves, a ring-shaped resilient member enclosed by each of said grooves, a longitudinally extending member resiliently held in contact with the surface of said cylinder, and an auxiliary member held in engagement with the surface of said cylinder by means carried by said member for engaging at least two of said ring-shaped members to permit movement of said auxiliary member circumferentially of said cylinder.

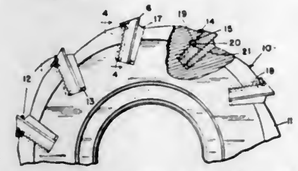
2,085,094
GAS-FILLED TUBE CIRCUITS
William M. Goodall, Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application April 27, 1932, Serial No. 607,679. Divided and this application February 2, 1935, Serial No. 4,601
5 Claims. (Cl. 179—171)



1. In combination, an electric discharge device comprising a vessel enclosing an incandescible cathode, an anode, a control electrode and a gas of such nature and at such pressure that the ionization potential thereof is less than that critical value at which disintegration of said cathode will be effected by positive ion bombardment, an input circuit including said cathode and said control electrode, an output circuit including said cathode and said anode, means for applying between said cathode and said anode a potential difference which exceeds the ionization potential of said gas, resistance means in said output circuit limiting the current through said device to a value less than the temperature saturation current of said cathode, said cathode and said control electrode being relatively positioned in said vessel so that their dynamic sheaths overlap when alternating current waves of high frequency are impressed on said input circuit and means for impressing alternating current waves of high frequency on said input circuit.

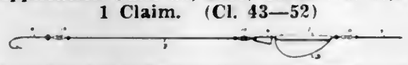
2,085,095
ROTARY CUTTER
Stanley H. Grattan, Detroit, Mich., assignor to Goddard & Goddard Company, Detroit, Mich., a corporation of Michigan
Application April 26, 1935, Serial No. 18,471
4 Claims. (Cl. 29—105)

1. A rotary cutter comprising, a head having a slot in the peripheral portion thereof, a substantially flat blade insertable into the slot and having adjacent cutting edges set out from the corresponding surfaces of the head, means for varying the extent of set-out of one of the cutting edges with respect to the head including serrations on one face of the blade extending substantially parallel to the latter edge of the blade, corresponding serrations on the wall of



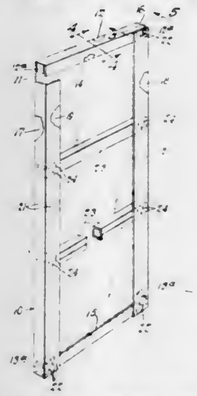
the slot adjacent the serrated face of the blade to provide for varying the set-out of the last named cutting edge of the blade in multiples of the pitch of the serrations, and a key on one of said serrated surfaces obliquely disposed with respect to the serrations and slidably engaging in a correspondingly inclined groove in the other of said serrated surfaces.

2,085,096
FISHING TACKLE
Walter H. Hansen, Freeport, Tex.
Application June 22, 1935, Serial No. 27,841
1 Claim. (Cl. 43—52)



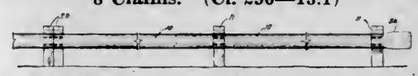
A sinker for a fishing line comprising a main elongated body portion approximately elliptical in plan and having an approximately flat upper surface and whose maximum transverse dimension is greater than its thickness, a wedge shaped fin depending from the body portion and of a length substantially the same as that of the body portion, said fin having convex sides and terminating in an arcuate edge from end to end thereof, the maximum vertical dimension of said fin being approximately twice the maximum width of the body portion and the maximum thickness of the fin being approximately one half that of the maximum width of the body portion.

2,085,097
DISPLAY DEVICE
William Hansen, Chicago, Ill.
Application January 20, 1936, Serial No. 59,842
7 Claims. (Cl. 40—125)



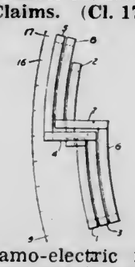
3. A display device comprising a rectangular panel each edge of which is provided with a pair of articulate frame members co-extensive with the respective edges of the panel and folded rearwardly and inwardly into spaced relation with the rear margins of the panel to form a hollow perimetrical stiffening frame and a stiffening member extending transversely of the rear of said panel and having the ends thereof disposed within and secured to opposite sides of said frame.

2,085,098
HIGHWAY GUARDRAIL
Lewis H. Height and James Leslie Brown, Denver, Colo., assignors to Thompson Manufacturing Co., Denver, Colo.
Application October 24, 1936, Serial No. 107,411
8 Claims. (Cl. 256—13.1)



1. A highway guard rail consisting of a series of longitudinally extending plate rails, said rails being curved in vertical cross section; a series of posts, each post being positioned opposite the joining extremities of a pair of said rails; bracket members on said posts extending downwardly and outwardly therefrom so as to support said rails with their convex faces toward said road and with their lower edges further from said posts than the upper edges thereof.

2,085,099
LOW LOSS ARMATURE COIL
Maurice F. Jones, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 11, 1933, Serial No. 697,596
22 Claims. (Cl. 171—228)

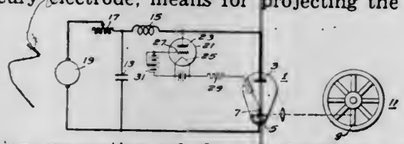


1. In a dynamo-electric machine having a magnetizable core member provided with slots, each slot having a rectangular bottom portion of a given area and a given depth, an upper rectangular portion of substantially the same area but of lesser depth, and a top portion having a lower relatively wide portion and a top neck portion whose width is substantially equal to the width of the bottom portion, a plurality of conductors, provided with insulation disposed to fit in the bottom portion, and a like number of conductors, provided with insulation disposed to fit in the upper portion of the slot.

2,085,100
ELECTRIC DISCHARGE APPARATUS
Dewey D. Knowles, Wilkinsburg, Pa., and Cecil E. Haller, Owensboro, Ky., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 17, 1935, Serial No. 22,012
11 Claims. (Cl. 88—14)

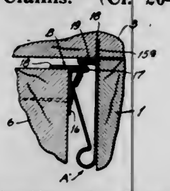
1. Stroboscopic apparatus for observing a body in periodic motion comprising a discharge device

having a plurality of electrodes at least one of which is mercury, means for periodically energizing said discharge device to periodically produce a luminous spot on the surface of said mercury electrode, means for projecting the radia-



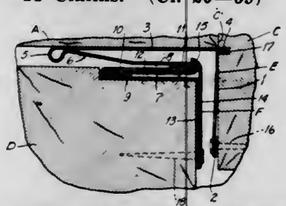
tions emanating only from said spot on a portion of the surface of said body and means for adjusting the periodicity of said energizing means to correspond to the periodicity of the motion of said body.

2,085,101
METAL WEATHER STRIP
Alfred M. Lane, St. Louis County, Mo., assignor to Monarch Metal Weatherstrip Corporation, St. Louis, Mo., a corporation of Missouri
Application July 3, 1935, Serial No. 29,586
6 Claims. (Cl. 20—69)



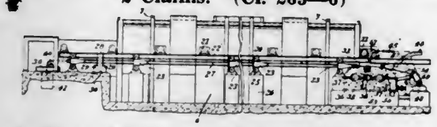
2. The combination of a frame member and a closure member mounted therein of a weatherstrip interposed between the meeting edges of said members, said weatherstrip comprising two metal strips, one adapted to be fastened to the frame member and the other to the closure member, the frame strip comprising a frame engaging base portion and a resilient closure engaging sealing flange, the closure strip comprising a flange engaging the frame opposing edge of said closure, and adapted to be engaged by said sealing flange, a flange engaging the outer face of said closure and an outstanding rib extending across the free marginal edge of said sealing flange in position to be engaged thereby.

2,085,102
WEATHER STRIP
Alfred M. Lane, St. Louis County, Mo., assignor to Monarch Metal Weatherstrip Corporation, St. Louis, Mo., a corporation of Missouri
Application November 4, 1935, Serial No. 48,167
18 Claims. (Cl. 20—69)



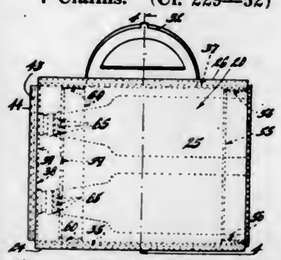
1. The combination with a frame member having a closure member and a removable stop therefor, of a weatherstrip interposed between the meeting edges of said members, said weatherstrip being mounted on said stop for insertion and removal therewith as a unit, said weatherstrip having a longitudinal rib thereon seated in a longitudinal groove provided therefor in the closure opposing face of said stop.

2,085,103
FURNACE
Leif Lee, Youngstown, Ohio
Application April 19, 1934, Serial No. 721,301
2 Claims. (Cl. 263—6)



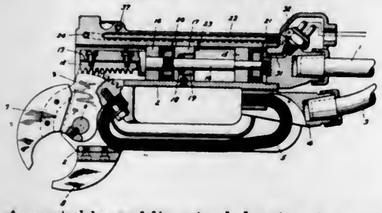
1. In a furnace, work supporting members, means for moving certain of said members relative to others to advance work through the furnace, means engaging the movable work supporting members adjacent one end and exerting a pull thereon so as to maintain them under tension, reciprocable supporting members disposed for receiving the work advanced by said movable members and for discharging the work from the furnace, and means for actuating said reciprocable members.

2,085,104
CONTAINER
George Levinson, Chicago, Ill.
Application August 3, 1933, Serial No. 683,436
7 Claims. (Cl. 229—52)



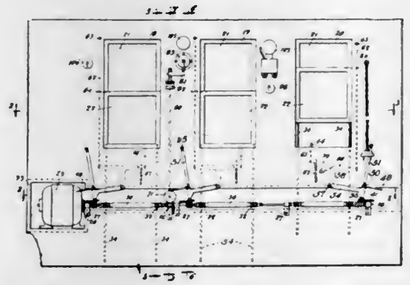
1. A device of the kind described comprising an outer container having bottom, side, and top walls, an inner separate member insertable in said outer member and having bottom, side, and top walls, said top walls each having a pair of handles formed integrally therein, one pair of said handles being positioned within the other.

2,085,105
PORTABLE WELDING TOOL
Joseph R. Lex, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 4, 1935, Serial No. 43,473
4 Claims. (Cl. 219—4)



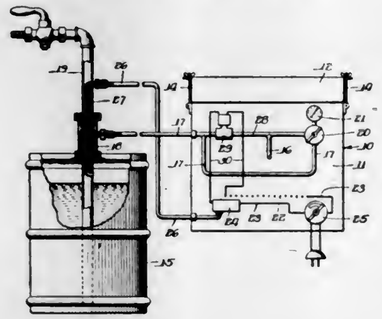
1. A portable welding tool, having in combination a pair of contacts, means for forcing the contacts together by fluid pressure comprising a hollow handle forming a pair of fluid cylinders in line, a compound two-headed piston for working in said cylinders and having a connection with the contacts comprising a toothed rack and a toothed segment, means for supplying fluid under pressure and a valve for controlling said fluid.

2,085,106
WINDOW CONTROLLING AND OPERATING DEVICE
Henry K. Limanowski, Bronx, N. Y.
Application October 5, 1936, Serial No. 104,146
1 Claim. (Cl. 268—19)



A window sash operating mechanism comprising a motor having a horizontal shaft housed below the sash, a sleeve revoluble on the shaft and having worms formed in its ends, gears meshed with said worms, said gears having internal threads, screws engaged in the threads of said worm and fixed in the sash, and a clutch for manually coupling said sleeve to said shaft.

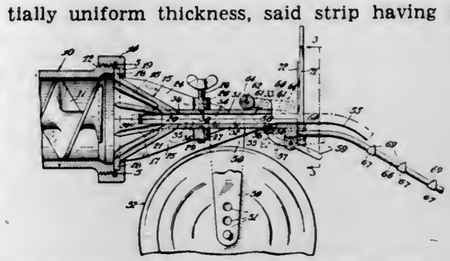
2,085,107
LIQUID CARBONATOR
John Lithgow, Blue Island, Ill.
Application September 27, 1933, Serial No. 691,193
15 Claims. (Cl. 62—91.5)



15. In a system for the utilization of gas under pressure, means for utilizing the gas, a container for a non-gaseous substance transformable into a gaseous state, electric heating means for increasing the rate of transformation of said substance into gas, and means operable by the pressure of said gas for operating said heating means automatically as an incident to variations in pressure of said gas below a predetermined minimum.

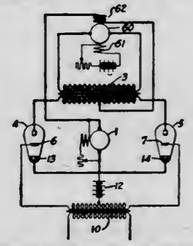
2,085,108
MEAT PRODUCT AND MEANS FOR AND METHOD FOR PRODUCING THE SAME
Felix H. Louisot and Charles J. Muller, Hasbrouck Heights, N. J.
Application September 29, 1934, Serial No. 746,071
4 Claims. (Cl. 99—107)

1. As a new article of manufacture, a strip of fat of substantially uniform width and substantially uniform thickness, said strip having the



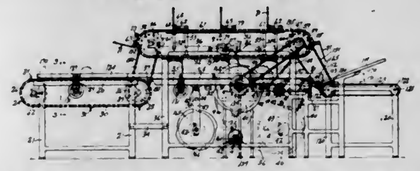
fiber structure thereof disrupted and rearranged with the fibers crossed to aid cohesion.

2,085,109
ELECTRICAL CONVERSION SYSTEM
Leon R. Ludwig, Forest Hills, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application October 11, 1934, Serial No. 747,913. Divided and this application June 15, 1935, Serial No. 26,812
2 Claims. (Cl. 172—237)



1. In a valve-type converter for supplying load current to an alternating current load system, a plurality of electric valves in said converter, control electrodes for each of said valves, means for supplying control energy to said control electrodes for controlling the conductivity of said valves and means responsive to forward fire in one of said valves for increasing the integrated electromotive force available for transferring current between said valves.

2,085,110
SLICING AND TRAYING MACHINE
Leroy W. Luther, South Bend, Ind.
Application February 26, 1931, Serial No. 518,451
8 Claims. (Cl. 146—98)

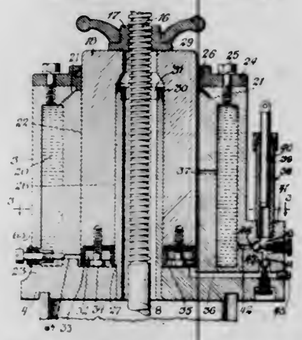


1. In combination, a cutting table having a plurality of spaced parallel slots formed therein, a plurality of sets of rotary knives pivotally carried by said table and adapted to project through said slots, means selectively positioning one of said sets of knives in operative projecting position, means for rotating said knives when disposed in operative position, a propeller spaced above said table, and spaced fingers depending from said propeller and adapted to pass between said spaced knives to move a body of material along said table and through said knives.

2,085,111
JACK

Benjamin R. McConnell, Waco, Tex., assignor to Herbert Clyde McConnell, Port Arthur, Tex.

Application March 8, 1935, Serial No. 10,114
3 Claims. (Cl. 254—30)

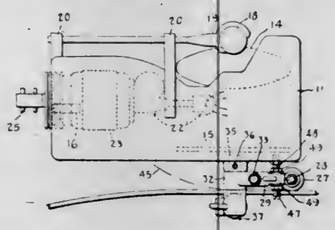


3. A hydraulic jack comprising a casing having a base provided with a centrally positioned aperture and three spaced upstanding tubular members, the two outer tubular members being connected together at the top and bottom to form an annular liquid reservoir while the center tubular member and the inner member of said two outer tubular members form with said base an annular chamber open at one end, said center tubular member being open at both ends and registering with the aperture in said base, a plunger annular in cross section positioned to reciprocate in said annular chamber, means for removing liquid from said annular reservoir and forcing the same into said chamber for causing the plunger to move away from said base and means for venting said chamber into said annular reservoir, said opening in said base and said center tubular member permitting an article acted on by said plunger to extend entirely through the center of the jack.

2,085,112
TEMPLATE-FOLLOWER FOR TORCH CARRIAGES

James D. McKiernan, Brooklyn, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application June 20, 1935, Serial No. 27,482
9 Claims. (Cl. 266—23)

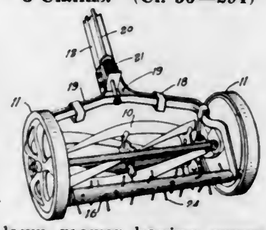


1. Cutting or welding apparatus comprising a torch carriage having several wheels stably supporting it for movement on a supporting surface, a vertically extending template for guiding the course of the carriage across its supporting surface, means tending to move the carriage toward the template, and roller means supported on vertically extending axes and contacting with both sides of the template to maintain the carriage in the desired relation to the template.

2,085,113
LAWN MOWER ATTACHMENT

Jerome J. Miller, Chadron, Nebr.

Application September 1, 1936, Serial No. 98,843
8 Claims. (Cl. 56—294)

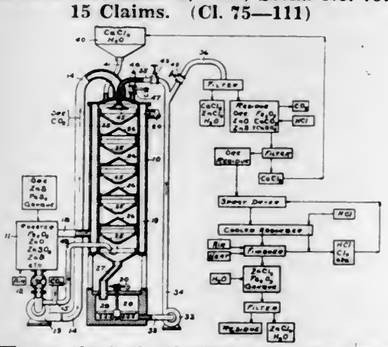


1. In a lawn mower having ground-engaging wheels and rotary knife blades driven from said wheels, means for raking the grass forwardly in advance of said blades comprising: external gear teeth formed in each of said wheels; a rotary rake member extending between said wheels ahead of said rotary knives; and pinions on the extremities of said rake member engaging said gear teeth; a shiftable frame member supporting said rake member ahead of said rotary knives; and means for moving said frame member so as to bring said pinions into or out of engagement with said gear teeth.

2,085,114
METHOD OF TREATING AN ORE MATERIAL

Thomas A. Mitchell, Denver, Colo., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo., a corporation of Wyoming

Application November 5, 1934, Serial No. 751,476
15 Claims. (Cl. 75—111)



1. The method of chloridizing an ore material containing zinc oxide comprising the steps of treating the ore material in finely divided condition with a solution of alkaline earth metal chloride and carbon dioxide gas and thereby forming zinc chloride and alkaline earth metal carbonate, separating the solution from the ore residue, treating the latter with a reagent capable of solubilizing the alkaline earth metal compound, removing the soluble compound from the ore material and thereafter treating the residue in a substantially dry condition with a chloridizing reagent.

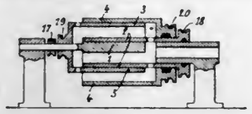
2,085,115
GEAR MECHANISM

René Joseph Louis Moineau, Paris, France

Application April 18, 1935, Serial No. 16,959
In Morocco May 2, 1934
3 Claims. (Cl. 74—466)

1. A gear mechanism adapted to be employed as a pump, compressor, motor, transmission

member and the like, or even simultaneously for a number of such uses, comprising at least three helical gear elements, disposed the one within the others, each element having one helical thread more than the element immediately inside

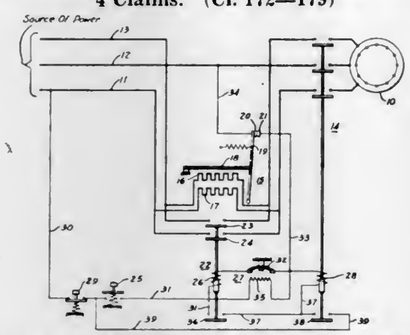


same, the threads of the enveloped elements being always in contact in each cross section with the threads of the corresponding enveloping element and the ratio of the different pitches of these threads being equal to the ratio of the number of threads on said elements.

2,085,116
MOTOR CONTROL SYSTEM

Phelan McShane, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 24, 1936, Serial No. 76,279
4 Claims. (Cl. 172—179)



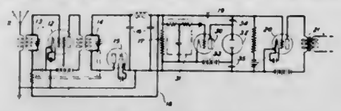
1. In a motor control system, in combination, a motor, a source of power for the motor, means including a line contactor for connecting the motor to the source of power to establish a motor circuit, means responsive to overload currents connected in the motor circuit to disconnect the motor from the source of power upon overload, a contactor connected to function to shunt the means responsive to overload conditions before the line contactor is actuated to establish the motor circuit, means dependent upon the functioning of the contactor for actuating the line contactor to establish the motor circuit, and means responsive to the flow of current for actuating the contactor to interrupt the shunt a time interval after the motor has been initially energized.

2,085,117
RADIO RECEIVER

Howard Morrison, Morristown, Winfried E. Reichle, Maplewood, and Gordon N. Thayer, Glen Ridge, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 19, 1935, Serial No. 27,320
5 Claims. (Cl. 250—20)

1. In a radio receiver, means responsive to the strength of the received signal for automatic volume control, a two-electrode gaseous discharge tube connected in the audio-frequency circuit as an attenuation element, a control tube having a cathode, anode and control element, means for producing from the space current of said control tube a voltage for igniting the discharge of said gaseous discharge tube, and means for producing



from the received wave a direct current voltage, and connections for supplying said direct current voltage to the control electrode of said control tube to control the space current thereof.

2,085,118
MAGNETIC MATERIAL AND MANUFACTURE THEREOF

Franz Noll, Berlin-Siemensstadt, Germany, assignor to Siemens and Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a company of Germany

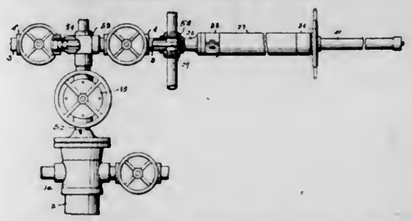
No Drawing. Application July 28, 1933, Serial No. 682,669. In Germany August 11, 1932
5 Claims. (Cl. 148—12)

4. A method of preparing a magnetic material composed of 30 to 50% nickel, 1 to 7% manganese, and the balance chiefly iron, which comprises annealing the material in hydrogen at a temperature above the magnetic transition temperature and subsequently as the final step of its manufacture reducing the material to a form suitable for use by a process of forcible elongation of the cold material to reduce its cross-section to not more than 1/5 of its previous cross-section.

2,085,119
SEAL OFF TOOL

Arthur J. Penick and Kirby T. Penick, Houston, Tex.

Application June 13, 1935, Serial No. 26,453
7 Claims. (Cl. 166—15)



1. In combination, a tubing head for wells having outflow lines each provided with an inside seat, a tubing suspended in a well from the head, means detachably secured to one of said lines, and having a closure member operative across the head and through one seat into position to enter the other seat and to block the flow of fluid from the tubing through the other line.

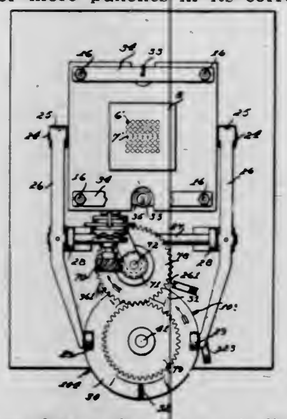
2,085,120
SIGNALING TRANSMITTING METHOD AND APPARATUS

Louis M. Potts, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application May 10, 1930, Serial No. 451,493
61 Claims. (Cl. 164—113)

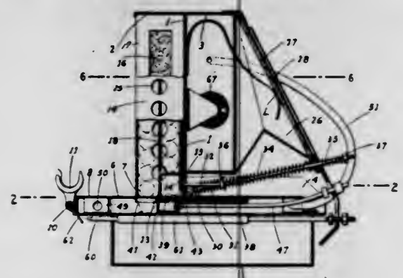
2. In a perforating device, punching mechanism comprising a plurality of groups of punches, selecting mechanism comprising a plurality of groups of keys for selecting the punches to be operated, certain of said groups of keys corresponding to certain of said groups of punches,

each of said keys adapted to simultaneously control one or more punches in its corresponding



group of punches, and means controlled by certain of said groups of keys for initiating the operation of said punching mechanism.

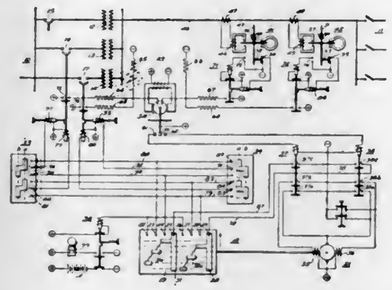
2,085,121
AUTOMATIC CIGARETTE DISPENSER AND LIGHTER
August Randazzo, San Jose, Calif.
Application August 26, 1935, Serial No. 37,855
8 Claims. (Cl. 312—86)



8. A cigarette dispenser comprising a horizontal support for a single cigarette, a cradle unit to receive such cigarette, means turnably mounting the unit in front of the support for movement from an upwardly facing position to one facing rearwardly and in horizontal alinement with the support to receive a cigarette, means to advance a cigarette on the support onto the cradle unit, means normally maintaining the unit in said upwardly facing position, means functioning with the cigarette advancing means to turn the unit to a cigarette receiving position before the advancing cigarette has reached the same and means to ignite a cigarette on the cradle unit while the latter is disposed in said cigarette receiving position.

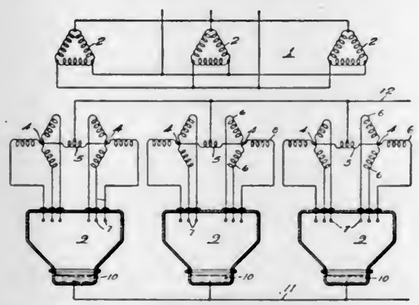
2,085,122
AUTOMATIC SUBSTATION
Maurice E. Reagan, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 5, 1935, Serial No. 25,171
11 Claims. (Cl. 171—118)

3. In an automatic station, a source of supply, a load circuit, a plurality of translating units disposed to be connected between the source and load, electrically-operated means for connecting and disconnecting said units in predetermined sequence, a relay having a normal non-operating position and a plurality of operated positions for



controlling the operation of the electrically-operated means, and means including a bridge circuit for controlling the energization of the relay in accordance with the amount of load and the number of the connected units.

2,085,123
TRANSFORMER SYSTEM
Herbert A. Rose, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 16, 1933, Serial No. 676,115
2 Claims. (Cl. 175—363)

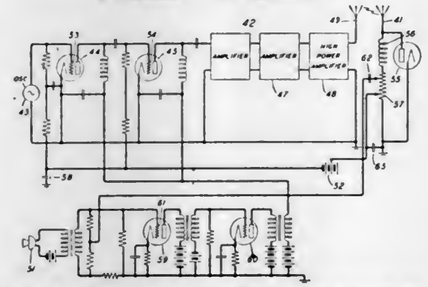


1. A rectifier system comprising a plurality of parallel, individually complete, polyphase rectifier sections normally operating as a unit, transformer means for supplying energy to said rectifier sections, said transformer means comprising a plurality of sections corresponding in number to the number of rectifier sections, each section of said transformer means including a primary winding system and a polyphase secondary winding system, said secondary winding systems being in phase with each other, said secondary winding systems being substantially independent of each other in operation, each secondary winding system having a plurality of phase groups, an independent interphase transformer means connected between said phase groups, said interphase transformer means being effective on flow of current therein to change the mode of operation of its associated secondary winding system to reduce the terminal voltage of the rectifier section fed thereby so that a firing potential is maintained on each of said rectifier sections until they carry current.

2,085,124
VITRIFIABLE COATING COMPOSITION
Joseph J. Schaefer, Germantown, Pa., assignor to The Sharples Solvents Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 9, 1935, Serial No. 15,472
12 Claims. (Cl. 106—36.2)

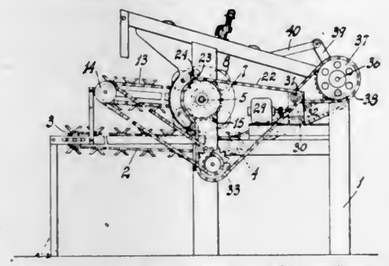
1. A composition for forming a fused coating comprising a vehicle including a compound containing at least one aryl nucleus and at least one alkyl group directly attached to the aryl nucleus and boiling at around 280 to 390° C., and a finely divided fusible ceramic material dispersed in said vehicle.

2,085,125
RADIO TRANSMITTER
Robert C. Shaw, Holmdel, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 26, 1935, Serial No. 28,421
3 Claims. (Cl. 250—17)



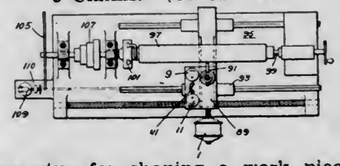
1. In a radio circuit, a transmitting antenna, a radio transmitter comprising radio frequency stages connected to said antenna and audio frequency stages connected to said radio frequency stages, a pick-up antenna located in the direction of propagation of said transmitting antenna, means comprising a feed-back circuit from said pick-up antenna to a radio frequency stage for controlling said transmitter to maintain the carrier wave amplitude substantially constant, and means comprising a degenerative feed-back for feeding back a wave opposite in phase to the signal wave from said pick-up antenna to an audio frequency stage to control the audio stage by audio frequency currents and reduce noise and distortion of the envelope of the waves radiated from the transmitting antenna.

2,085,126
CONTINUOUS PRINTING MACHINE
Frederick Shurley and Queenie Halford Shurley, Salt Lake City, Utah
Application June 15, 1936, Serial No. 85,280
12 Claims. (Cl. 101—40)



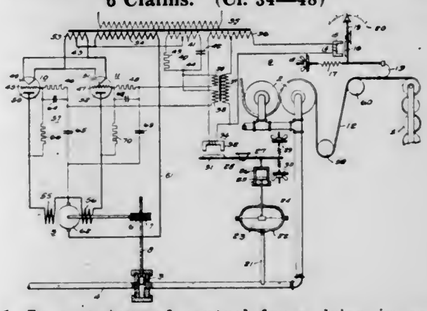
1. A continuous printing machine for articles having an impenetrable surface, comprising a pair of spaced discs, means intermittently rotating said discs, gripping means on the discs adapted and arranged to hold the articles, gear means on the gripping means, a printing frame adjacent the top of the discs, said discs carrying the articles into engagement with the printing frame whereby an imprint is made on the articles, a rack on the printing frame engageable with the gear means whereby the gripping means is rotated, said gripping means releasing the articles after said articles have been printed.

2,085,127
PHOTOSENSITIVE RELAY TOOL CONTROL
Harry P. Sparkes, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application January 2, 1931, Serial No. 506,181
9 Claims. (Cl. 82—14)



1. Apparatus for shaping a work piece into an object having a predetermined cross-section comprising a tool, means for presenting successive elements of said work piece to the shaping edge of said tool, means for moving said tool relative to said work piece in a direction transverse to said work piece, a template the periphery of which corresponds to said predetermined cross-section, means for projecting a beam of radiant energy on the periphery of said template, means for moving said template and work piece in such manner that successive elements of said periphery are presented to said light beam, said elements corresponding to the elements of said work piece that are presented to the cutting edge of said tool, and means responsive to the resultant radiant energy emitted from said periphery for controlling the transverse movement of said tool.

2,085,128
PAPER DRYNESS CONTROL
Stephen A. Staege, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 26, 1934, Serial No. 727,748
6 Claims. (Cl. 34—48)



1. In a system of control for a drier, in combination, a plurality of drying elements, a valve for controlling the rate of admission of the drying medium to the drier elements, a motor for operating said valve, an electric discharge device connected in circuit relation with the motor and

adapted to directly energize said motor, a control grid for said electric discharge device, a timing circuit for preventing the deenergization of the electric discharge device prior to the lapse of a definite interval of time after its energization, and paper dryness indicating means for controlling the grid of the electric discharge device as a function of the dryness of the paper.

2,085,129
PRODUCTION OF COLLOIDAL METAL HYDROXIDES
Fritz Stoewener, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 10, 1934, Serial No. 734,516. In Germany July 15, 1933
16 Claims. (Cl. 252—6)

1. The process of producing colloid-hydroxide substances colloidally soluble in water, which comprises causing a salt of a trivalent metal to act in an approximately stoichiometrical ratio on an agent capable of decomposing said salt with the formation of hydroxide, freeing the hydroxide obtained from the salt formed during the decomposition and subjecting it to a treatment with a peptizing agent and a cautious withdrawal of water not impairing the water solubility until the formation of a concentrated solution, a soluble jelly or of a soluble solid gel.

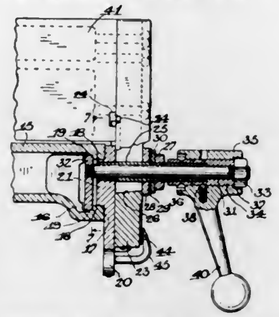
7. The process as defined in claim 1, characterized in that the decomposing agent is a mineral acid and in that the precipitation of the metal hydroxide is effected in stages, in the final stage of which an amount of mineral acid is employed which is substantially stoichiometrically equivalent to the alkali metal content of the reaction product of the previous stage.

2,085,130
ACOUSTIC DEVICE
Andrew E. Swickard, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 18, 1936, Serial No. 85,864
4 Claims. (Cl. 181—0.5)



1. A sound translating device comprising a diaphragm, a group of parallel open-ended tubular members having a common end spaced from the diaphragm, means defining an air chamber between said common end and said diaphragm, and impedance means at said common end to prevent reflection of sound waves therefrom.

2,085,131
JOINTER FENCE
Herbert E. Tautz, Milwaukee, Wis., assignor to The Delta Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 8, 1934, Serial No. 705,687
6 Claims. (Cl. 144—253)



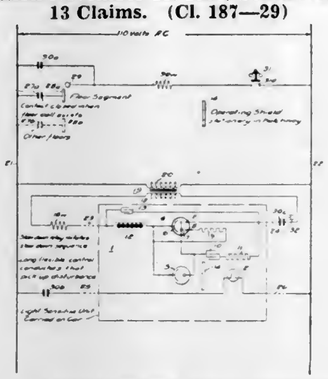
1. The combination, with a machine table having ways, of a member slidable along said ways, an angularly adjustable gage having a pivotal connection with said member, means for clamping said member to said table, means for clamping said gage to said member in angularly adjusted position, and an actuating member movably carried by said slidable member and shiftable thereon to different positions for selectively operating said member-clamping means and gage-clamping means.

2,085,132
MIXER
Charles E. Underwood, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Original application November 26, 1934, Serial No. 754,718. Divided and this application November 7, 1935, Serial No. 48,628
20 Claims. (Cl. 259—4)



1. In a mixing device of the class described comprising a series of chambers connected by tubular members each having their ends extending into a pair of chambers and located so as to form with the chambers a tortuous path, means at opposite ends of the tubular members for deflecting the material in opposite directions as it passes through each chamber, an inlet opening through which crude tar and a reagent are introduced into one end of the series of chambers and adapted to be mixed by its passage through the tortuous path, and an outlet at the opposite end of the series of chambers through which the material mixed is ejected.

2,085,133
ELEVATOR CONTROL SYSTEM
Edwin H. Vedder, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 13, 1934, Serial No. 752,798
13 Claims. (Cl. 187—29)



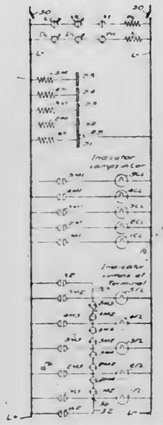
1. In a control system for a motor-operated elevator car movable in a hatchway relative to a floor, in combination, light-sensitive means and a light source disposed in operative relation thereto and carried by the car, a transformer having a primary winding connected to a source of alternating current and a secondary winding, a control relay operable in response to a floor call and having contact members, said contact members being disposed on operation of said relay to effect the energization of said light source and to connect said secondary winding to energize said light-sensitive means, a shield mounted in the hatchway for controlling the illumination of said light-sensitive means in accordance with the position of said car with reference to said floor, and a slow-down relay responsive to a predetermined change of the condition of illumination of said light-sensitive means for effecting the stopping of the motor to bring the car to the floor level.

2,085,134
BUTTER SUBSTITUTE
Herman D. Wendt, deceased, late of West Chester, Pa., by Ada R. Wendt, administratrix, Coudersport, Pa., assignor to Milk Processes, Inc., Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 15, 1935, Serial No. 11,209
6 Claims. (Cl. 99—123)

5. The method of producing a butter substitute which comprises adding to a milk product containing butter fat in the dispersed phase a relatively small proportion of an alkali metal salt of citric acid, thereafter centrifuging the product so produced to a concentration of over 65% butter fat content and finally cooling the product so produced to a condition of plasticity.

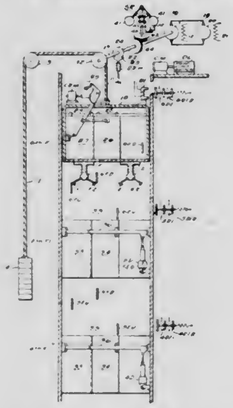
2,085,135
POSITION INDICATOR
Harold W. Williams, Chicago, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application March 15, 1935, Serial No. 11,284
11 Claims. (Cl. 177—336)

1. In an elevator system for operating a car in a hatchway past a plurality of floors, a position indicator for indicating the position of the car relative to the floors, a position and direction indicator for indicating the position of the car and its direction of operation with reference to the floors, a single row of contact segments, contact brush means, means responsive to operation



of the car for moving the brush means over the contact segments, control means responsive to the direction of operation of the car and means responsive to operation of the brush means on said contact segments and operation of the control means for operating both indicators.

2,085,136
ELEVATOR CONTROL SYSTEM
Harold W. Williams, Chicago, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application May 8, 1935, Serial No. 20,363
14 Claims. (Cl. 187—54)



1. In an elevator system in which an elevator car is operated past a plurality of floors, each floor having a door assembly, in combination, operating means individual to each door assembly and disposed to open it to permit entrance to the elevator car at the floor, control means for selectively energizing the operating means individual to the floor where the elevator car is stopped, and protective circuit means disposed to be rendered effective during a predetermined portion of the travel of the elevator car from said floor and ineffective during the remaining

portion of its travel for preventing the energization of any of said operating means in the event that said control means remains in the operated condition after the elevator car leaves said floor.

2,085,137
ABRASIVE ARTICLE
Charles E. Wooddell and John F. Barnes, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application December 8, 1933, Serial No. 701,532
9 Claims. (Cl. 51—278)

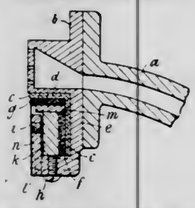
1. A mix for making abrasive articles which contains granular abrasive material, bond, and granulated coke.

2,085,138
GARMENT HANGER
Samuel Zetlin, Baltimore, Md.
Application February 6, 1937, Serial No. 124,367
4 Claims. (Cl. 223—86)



1. In a garment hanger, the combination of a tubular member having a slot extending from end to end for permitting an element of a hanger-member to be passed therethrough to the interior of the tubular member, and sleeves movably secured on the ends of said tubular member and normally bridging the slot of the latter, said sleeves each having a slot therein that can be brought into open communication with the slot of said tubular member for permitting said element of said hanger to be disengaged from said tubular member.

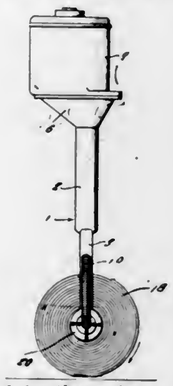
2,085,139
TYPOGRAPHICAL SLUG CASTING MACHINE
Christian Augustus Albrecht, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y.
Application May 15, 1935, Serial No. 21,506
In Germany May 18, 1934
6 Claims. (Cl. 22—71)



6. In a typographical slug casting machine, the combination according to claim 5, characterized by insulating plates interposed between the clamping plates and the heating element.

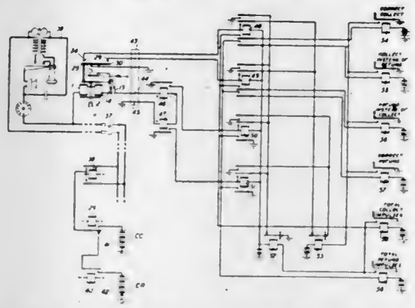
2,085,140
BUFFING AND POLISHING DEVICE
Mora J. Bailey, Hilt, Calif.
Application January 3, 1936, Serial No. 57,403
1 Claim. (Cl. 51—170)

A buffing and polishing device of the class described comprising a frame including a handle, a yoke on one end of said handle, an electric motor mounted on the other end of the handle, said yoke comprising a detachable end portion, a casing mounted on the other end portion of the yoke, a flexible housing having one end secured longitudinally in the handle and its other end anchored in the casing, a flexible drive shaft extending through said flexible housing, means connecting said drive shaft at one end to the electric motor for actuation thereby, a bearing in the casing for the other end of the drive shaft, a



shaft journaled in the yoke, a buffer mounted on the second-named shaft, a bearing mounted in said other end portion of the yoke, and substantially segmental, complemental stub shafts fixed on the adjacent end portions of the first and second-named shafts and engaged with each other in the second-named bearing for detachably connecting the second-named shaft to the first-named shaft for actuation thereby, the other end of said second-named shaft being journaled in the detachable end portion of the yoke.

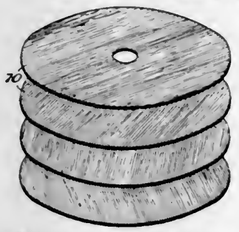
2,085,141
TESTING CIRCUIT FOR TELEPHONE SYSTEMS
Gustav Carl Bierstedt, Upper Montclair, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 8, 1936, Serial No. 89,646
7 Claims. (Cl. 179—175)



1. In a test device for testing the operation of a polarized relay which operates its armature in one direction in response to operating current of one polarity and in another direction in response to current of the opposite polarity, two pairs of contacts for said relay operable respectively by the movement of said armature in said two directions, relay means connectable into the

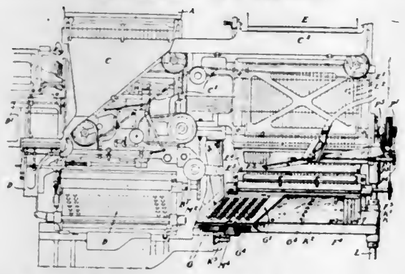
operating circuit of said polarized relay for detecting the polarity of the operating current of said polarized relay and a plurality of registers operable under the joint control of said relay contacts and said relay means.

2,085,142
POLISHING WHEEL
Kenneth H. Bowen, Auburn, N. Y., assignor to Columbian Rope Company, Auburn, N. Y., a corporation of New York
Application August 31, 1936, Serial No. 98,808
2 Claims. (Cl. 51—193)



1. In a polishing wheel of the type described, a plurality of fiber discs, the fibers of each disc being arranged in substantial parallelism with one another, the ends only of the fibers being exposed to wear at the periphery of the wheel, the fibers of adjacent discs being disposed at an angle to each other.

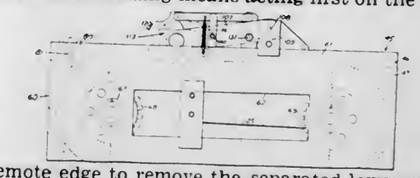
2,085,143
TYPOGRAPHICAL COMPOSING MACHINE
Harold A. Burt, St. Albans, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application February 7, 1936, Serial No. 62,748
20 Claims. (Cl. 199—18)



1. A typographical composing machine including, in combination, a main magazine and an auxiliary magazine arranged one alongside the other and wherein matrices are stored, individual keyboards for the respective magazines, and means for effecting the release of matrices from one magazine under the control of the keyboard associated with the other magazine, when desired.

2,085,144
PAPER FEEDER
Myron B. Bushnell, Los Angeles, Calif.
Application March 25, 1936, Serial No. 70,824
20 Claims. (Cl. 271—29)

1. A paper feeder for under-feeding sheets from a stack of sheet paper comprising means to separate the lowermost sheet from the stack adjacent one edge, a moving device to engage said edge and move the separated edge in a general direction toward the remote edge of the paper, and an out-feeding means acting first on the said

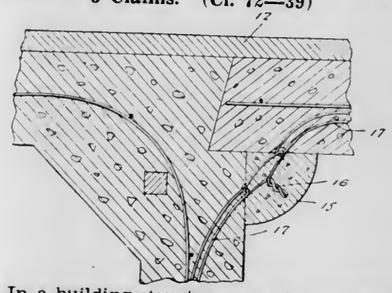


remote edge to remove the separated lower-most sheet of the stack.

2,085,145
VAT DYE COMPOSITIONS
Paul Whittier Carleton, Penns Grove, N. J., and Arthur Lawrence Fox, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 8, 1935, Serial No. 35,399
15 Claims. (Cl. 8—5)

1. A non-aqueous dye composition comprising an intimate mixture of a water-insoluble metal leuco derivative of a vat dye and a water-soluble metal salt which yields an anion and which forms a salt with the metal of the said leuco derivative by double decomposition in the presence of water which is more insoluble than the metal leuco derivative.

2,085,146
BUILDING STRUCTURE
Ole Elias Carlson, San Francisco, Calif.
Application September 18, 1936, Serial No. 101,508
3 Claims. (Cl. 72—39)

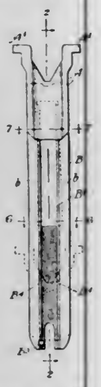


1. In a building structure, a wall comprising a plurality of vertically disposed concrete slabs, each comprising an outer panel and an inwardly extending right angled flange adjacent one edge thereof, said slabs being rabbeted along the corner of the flanged edge thereof, respectively, and the panel of one slab fitting at its free edge into the rabbet of the adjacent slab and forming together with the flange of said adjacent slab right angled inner faces for said wall, a concrete strip extending along the angle formed by said faces and integral therewith, and reinforcing wires extending through said strip laterally and imbedded in said slabs.

2,085,147
JUSTIFYING SPACEBAND
Adelbert L. Child, Ozone Park, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application February 21, 1936, Serial No. 65,018
14 Claims. (Cl. 199—68)

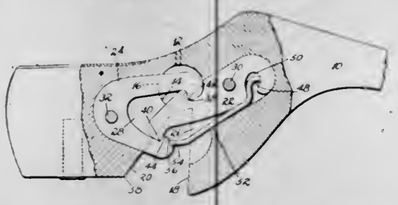
1. A justifying spaceband including, in combination, a pair of relatively movable comple-

mentary wedge-shaped members presenting inner surfaces in bearing contact, and means for



guiding the members in their relative movement, said means in their entirety being offset from the plane of the bearing surfaces.

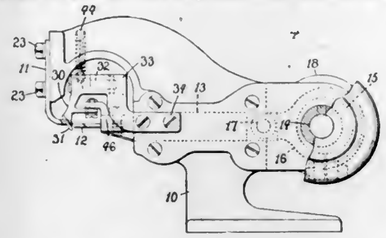
2,085,148
HINGE LAST
Garrett P. S. Cross, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 5, 1936, Serial No. 83,720
5 Claims. (Cl. 12—135)



1. A hinge last comprising a heel part and a forepart relatively rotatable to collapse the last, a V-shaped bonding plate having inwardly projecting lugs at the ends of its arms mounted in one of said last parts, and a second bonding plate mounted in the other of said last parts and having a portion projecting therefrom, said projection having outwardly projecting lugs arranged to lie within the bight of the said V and to wedge against the said inwardly projecting lugs when the last parts are in extended position, whereby rotation of the last parts to collapsed position will rotate said projecting portion backward into the bight of the V.

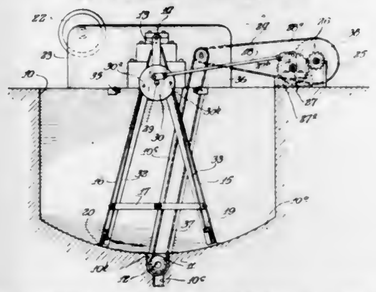
2,085,149
TRIMMING MACHINE
Charles F. Fitzgerald, Essex, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 5, 1935, Serial No. 25,104
13 Claims. (Cl. 12—83.5)

1. A trimming machine comprising a deflector arranged to engage the lining of an inturned margin of surplus upper materials lying on or confronting the insole of a lasted shoe, power-driven mechanism arranged to reciprocate said deflector with short rapid strokes to bend a free portion of said margin away from the insole a little at a time, and power-driven cutting means arranged to sever the free portion of said margin that has been fed beyond said deflector with



a cut in a plane virtually parallel with the face of the insole.

2,085,150
SEWAGE COLLECTOR
Ernest A. Gemeny, Chicago, Ill.
Application October 21, 1935, Serial No. 46,049
10 Claims. (Cl. 210—3)



1. Sediment collecting apparatus comprising in combination, a settling receptacle having a curved bottom, a sweep frame oscillatable in the receptacle, the lower end of the sweep frame being close to and following the curvature of the receptacle bottom during travel, a stud shaft projecting laterally from said sweep frame, a disc rotatably mounted on said shaft, driving means having an eccentric connection with said disc for oscillating said sweep frame, scraper bars slidably mounted in the lower end of said frame for reciprocation therein toward and away from the receptacle bottom, link means connecting said respective scraper bars to diametrically oppose points of said disc, stop means carried by the receptacle and disposed at each limit of the sweep frame stroke, and said scraper bars having a frictional engagement with said frame whereby on engagement of the frame with a stop member the said disc is caused to shift rotatably on its shaft for alternately moving said scraper bars toward and away from the receptacle bottom during oscillation of the frame.

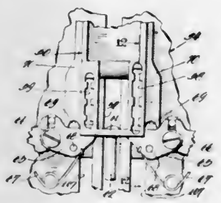
2,085,151
ALKALI ABIETATE COMPOSITIONS AND THEIR PRODUCTION
Edmund A. Georgi, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application April 17, 1931, Serial No. 531,002. Divided and this application June 13, 1934, Serial No. 730,473
9 Claims. (Cl. 260—108)

1. The method of producing a neutral alkali metal abietate in substantially pure crystalline form which includes adding an alkali of the alkali metal group in suspension in a liquid vehicle to a solution of abietic acid in a solvent therefor which is non-solvent of the alkali and of the alkali metal abietate, the alkali being added in amount sufficient to substantially neutralize the abietic acid present, whereby crystalline neutral alkali metal abietate is precipitated from said solution, and separating said crystalline neutral alkali metal abietate free from impurities from the solution.

2,085,152
ALKALI ABIETATE COMPOSITIONS AND THEIR PRODUCTION
Edmund A. Georgi, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application April 17, 1931, Serial No. 531,002. Divided and this application June 13, 1934, Serial No. 730,474
8 Claims. (Cl. 260—108)

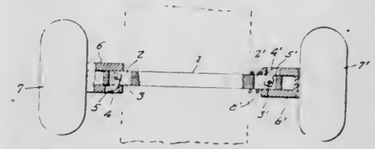
1. The method of producing a neutral alkali metal abietate in substantially pure crystalline form which includes adding an alkali of the alkali metal group in dry form to a solution of abietic acid in a solvent therefor which is non-solvent of the alkali and of the alkali metal abietate, the alkali being added in amount sufficient to substantially neutralize the abietic acid present, whereby crystalline neutral alkali metal abietate is precipitated from said solution, and separating said crystalline neutral alkali metal abietate free from impurities from the solution.

2,085,153
VENDING APPARATUS
Andrew Gorretta, Cleveland, Ohio
Original application March 7, 1935, Serial No. 9,772. Divided and this application July 11, 1935, Serial No. 30,869
6 Claims. (Cl. 194—58)



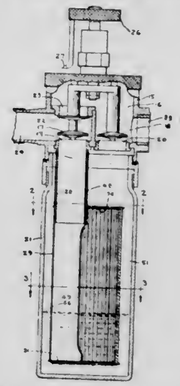
6. A coin-controlled device, comprising: dispensing means movable toward a predetermined position along a predetermined path; means movable with said dispensing means and forming a coin pocket adapted to present a coin vertically edgewise along the direction of movement of said dispensing means; and pivoted control means swingable in a plane substantially normal to the broad face of a coin disposed in said pocket, having its pivot disposed at one side of the path of movement of said dispensing means, and having a free portion extending cross-wise of the path of said dispensing means, the latter having an arcuate notch therein, and the free portion of said pivoted means having projecting means engageable in said notch to connect said free portion of said pivoted means and said dispensing means, said pivoted means having an extension extending beyond said projecting means, and arranged in line with a coin when in said pocket, to be engaged by said coin to prevent entrance of said projecting means into said notch.

2,085,154
DOOR FIXTURE
Stanley P. Gredzinski, Mount Carmel, Pa.
Application October 5, 1936, Serial No. 104,106
2 Claims. (Cl. 292—354)



1. A doorknob structure comprising a shaft, a knob on each end of the shaft, said shaft and knobs being relatively slidable, co-acting members on said knobs and shaft for releasably connecting the former with the latter when the knobs are moved outwardly of the corresponding ends of the shaft, said co-acting members being disengageable by the inward movement of the said knobs on the shaft, and a spring encircling the shaft and adapted to be compressed between one side of the door and the adjacent knob for yieldably holding said knobs at the limit of their outward movement.

2,085,155
GAS STRAINER AND VAPORIZER
Jay A. Heidbrink, Minneapolis, Minn.
Application January 17, 1936, Serial No. 59,578
5 Claims. (Cl. 183—49)



1. A gas strainer and vaporizer comprising an outer casing forming an enclosed chamber, a member within said chamber formed with imperforate end walls except for a passageway through one of them and having side walls formed of a multiplicity of parallel, contacting, longitudinally-extended cords, and two passageways formed to enter said enclosed chamber one of said passageways extending into the interior of said member, whereby gas may be moved to the chamber through one passageway and from the chamber through the other passageway and will be caused to pass through the cord walls of said member in the course of said movement.

2,085,156
FLOATING BRIDGE
Stirling B. Hill, Seattle, Wash.
Application April 22, 1933, Serial No. 667,355
5 Claims. (Cl. 14—27)

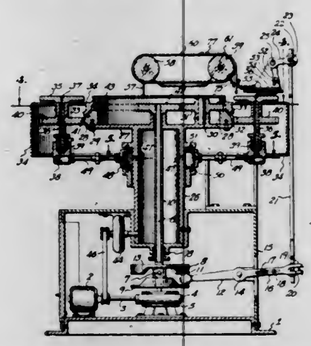
3. A bridge embodying a plurality of floating units; and anchoring means for said floating

units, said means comprising anchors in laterally spaced relation to the bridge, cables extending transversely in opposite directions from the bridge and each having one end secured to said



anchors, laterally spaced apart sheave means on the bridge over which the cables pass and a counterweight means operatively connected with cables extending to both sides of the bridge yieldingly resisting side deflection of the bridge.

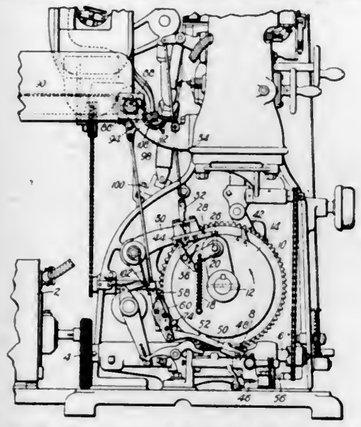
2,085,157
MACHINE FOR MAKING BUTTER ROLLS
Glenn H. Holloway, Kansas City, Mo.
Application June 8, 1936, Serial No. 84,054
8 Claims. (Cl. 107—9)



1. In a butter roll machine, a rotating member, means for rotating said rotating member, a turntable carried by said rotating member, means actuated by the rotating member for revolving said turntable, a conveyor adapted to feed a sheet of dough, a cutting member for cutting said sheet of dough into strips, said cutting member having a portion thereof positioned over the path of said turntable, means synchronized with said rotating member for actuating said conveyor, means synchronized with said rotating member for actuating said cutting member, the timing of said cutting member being such that an end of a strip of dough being formed will be deposited upon the turntable, and means for holding the end of a strip of dough upon said turntable.

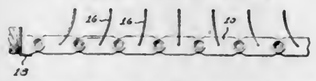
2,085,158
POWER DRIVING MECHANISM
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application May 17, 1935, Serial No. 22,053. Divided and this application April 6, 1936, Serial No. 72,860
8 Claims. (Cl. 192—139)

1. In power-driving mechanism, the combination with a rotatable member, of a rotatable clutch for driving said member, a device arranged to actuate the clutch to start said member and also to act on the clutch to bring the member to a stop at the end of a revolution thereof, another device arranged to act on the clutch to bring the member to a stop after a partial revolution thereof, and automatic means for oper-



ating said other device to start the member again in operation.

2,085,159
AIR DEFLECTING GRILLE
John Karmazin, Huntington, Ind., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 31, 1935, Serial No. 24,280
5 Claims. (Cl. 98—114)

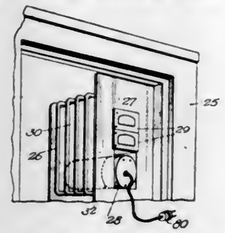


1. An air deflecting grille comprising in combination a unitary self-supporting set of parallel fins provided with spacing means therebetween, elongated kerfs on said fins, and a second set of fins transverse to said first set of fins inserted in said kerfs and fused to said first named fins, and arranged to deflect air obliquely in the plane of said first fins.

2,085,160
FREEZING DEVICE FOR EDIBLES
Fred H. Kaup and Floyd H. Kinyoun, Omaha, Nebr.
Application February 7, 1935, Serial No. 5,380
5 Claims. (Cl. 259—109)

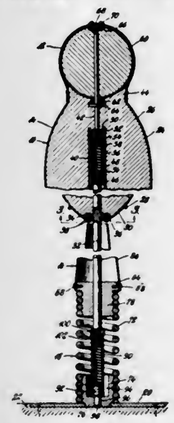
1. In a freezer of the character described, the combination of an elongated container adapted to receive and hold the material to be frozen and to be placed against a refrigerating element for material freezing purposes and having one end thereof closed and its other end open; a removable mounting located at the open end of the container and comprising a cap detachably secured to and serving to close said open end of the container, a housing positioned on the outside of, and held in fixed relation with respect to, the cap and embodying a continuous side wall with one end thereof abutting against the cap and an end wall at the other end of the continuous wall, and a plate extending transversely across the inner portion of the housing and positioned in spaced relation with the cap; a stuffing box carried by and extending through the plate and cap; a rotatable spindle journaled in the stuffing box and having one end thereof projecting into the container and its other end extending into the space between the plate in said end wall of

the housing; a paddle-equipped shaft connected to said one end of the spindle and extending into the container; an electric motor disposed in said space in the housing; and speed-reduc-



ing gearing in said space extending between the armature shaft of the motor and said other end of the spindle and serving during operation of the motor to drive the shaft through the medium of the spindle.

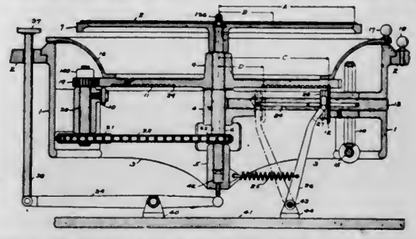
2,085,161
EXERCISING DEVICE
Anton Kraus, Chicago, Ill.
Application July 12, 1935, Serial No. 31,116
2 Claims. (Cl. 272—77)



1. An exercising device comprising a striking bag including a lower part and an upper part, shafts extending through portions of said parts and being arranged in spaced, axial alignment, said shafts being anchored to said parts, said parts being padded with a resilient material, a resilient universal connection between said shaft parts and housed within the striking bag, said resilient universal connection operating to urge the shaft parts to their axial aligned positions, a base, and resilient means connecting the base with one of said shafts for urging the bag toward a vertical position and effecting a quick recovery of the bag.

2,085,162
SOUND RECORDING AND REPRODUCING MECHANISM
Chester W. Larner, Philadelphia, Pa.
Application January 5, 1934, Serial No. 705,314
20 Claims. (Cl. 74—424.5)

1. In a mechanism for rotating a sound recording or reproducing disk, the combination of a turntable non-rotatably mounted on a shaft, a spiral gear rotatably mounted on said shaft, a constant-speed gear for driving said spiral gear, and gear mechanism whereby said spiral gear drives said shaft and rotates said turntable at a



uniformly increasing or decreasing angular velocity.

2,085,163
PAPER
Herbert A. Lubs, Wilmington, Del., and John R. Roberts and Edwin R. Laughlin, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 16, 1935, Serial No. 16,612
10 Claims. (Cl. 8—5)

7. Process of preparing an improved surface colored paper which comprises impregnating a surface colored paper with an aqueous solution of an acetate of deacetylated chitin.

2,085,164
COMBINED FOOT AND LEG REST
George E. Mead, Fair Haven, N. Y.
Application October 19, 1936, Serial No. 106,487
2 Claims. (Cl. 155—169)



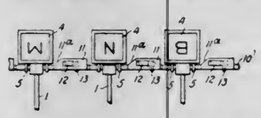
2. A combined foot and leg rest, comprising individually complete end frames, each end frame comprised of crossed arms rigidly secured together by a substantially half-lapped joint, and a bottom rocker fixed to said arms, the upper portions of said arms diverging upwardly and outwardly, a leg rest panel extending between and secured to the upper portions of one pair of said arms, and a foot rest panel extending between and secured to the upper portions of the other pair of said arms of said end frames.

2,085,165
TITANIUM PIGMENTS
Reginald Hill Monk, Rosemere, Quebec, Canada, assignor to American Zinc, Lead and Smelting Company, St. Louis, Mo., a corporation of Maine
No Drawing. Application December 21, 1933, Serial No. 703,490
3 Claims. (Cl. 134—78)

1. A method of producing a titanium pigment which comprises adding to hydrous zinc oxide in suspension a sulphate solution of titanium oxide, bringing the solution to a temperature of about 80° C., washing the hydrolyzed TiO_2, neutralizing the adsorbed SO_3 with magnesium oxide, removing the magnesium sulphate so formed, adding

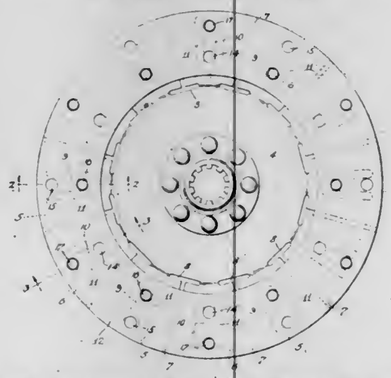
to the pulp with stirring a small percentage of an acid capable of forming colloidal TiO_2 to act as a catalyst in the subsequent reaction, mixing with molecular proportions of zinc oxide and calcining the mass to produce zinc titanate.

2,085,166
KEYBOARD OF KEY-OPERATED TYPOGRAPHICAL MACHINES
Paul Nolte, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York
Application June 14, 1935, Serial No. 26,540
In Germany June 14, 1934
9 Claims. (Cl. 197—104)



1. In a keyboard for a key-operated typographical machine, the combination of a row of multiple-faced keybuttons, a pivotal axis appropriate to each keybutton about which it can be rotated to bring a desired face into operative position, a locking device for each keybutton rendered active and inactive by axial displacement of the keybutton and means common to all the keybuttons of the row adapted to effect said axial displacement.

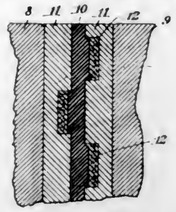
2,085,167
CLUTCH PLATE
Harold Nutt, Chicago, Ill., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 27, 1933, Serial No. 695,388
7 Claims. (Cl. 192—107)



1. A clutch plate having a plurality of circumferentially directed tongues, friction facings each lying wholly within a single plane on the sides of the plate, and radially disposed means fastening both of said facings to the same tongues.

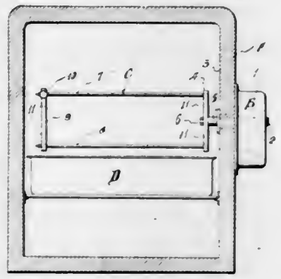
2,085,168
EXPANSION JOINT
Claron R. Payne, Allentown, Pa., assignor to The Atlas Mineral Products Company, Mertztown, Pa., a corporation of Pennsylvania
Application April 15, 1936, Serial No. 74,529
7 Claims. (Cl. 72—106)

7. A pair of wall sections, a sheet of displaceable material between said sections, and cups ar-



ranged in the adjacent faces of said sections with their open ends disposed against said sheet.

2,085,169
BROILER
John M. Prood, Louisville, Ky.
Application November 6, 1935, Serial No. 48,577
2 Claims. (Cl. 53—5)



1. In a device of the character specified, a rotary food holder, comprising a base bar, a plurality of parallel prongs carried by and disposed at right angles to said base bar, a clamping bar slidable along said prongs, means for adjustably and detachably connecting one end of the prongs to the base bar and means for holding the clamping bar in adjusted position.

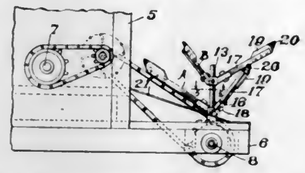
2,085,170
SIZING COMPOSITION
Donald A. Rankin, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 30, 1934, Serial No. 718,207
13 Claims. (Cl. 154—40)

12. The process which comprises applying gold leaf to a bookbinding material coated with cellulose nitrate and sized with a composition containing from 3 to 15% by weight of a resin mixture consisting of from 95% to 5% of shellac and from 5% to 95% of at least one resin taken from the group consisting of gum copal, kauri, sandarac, accroides, rosin and ester gum, an anti-blushing high boiling solvent, a lower aliphatic alcohol, and a softener.

2,085,171
STRAW SCATTERING ATTACHMENT
George H. Sheard, Athena, Oreg.
Application March 30, 1936, Serial No. 71,775
2 Claims. (Cl. 275—8)

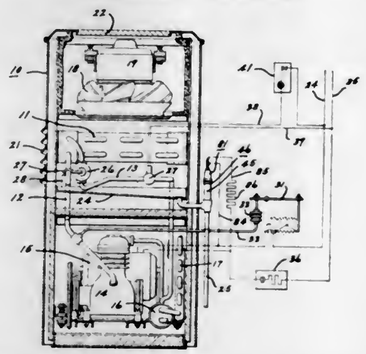
2. In a straw scattering attachment for thrashing machines operative while traveling, a supporting structure rearwardly of and below the straw discharging end of the thrashing machine, straw scattering means including vertically disposed shafts journaled in the said supporting

structure, sets of arms, one set above the other, secured to the vertically disposed shafts extending outwardly and upwardly therefrom in the path of movement of straw discharging from the thrashing machine, the arms of the lower set terminating above the plane on which the upper set



of arms is connected to said shaft, means for rotating the shafts in opposite directions, a supporting plate extending from the open end of a thrashing machine toward said shafts for directing straw to the scattering means, and blades on the outer end of each arm.

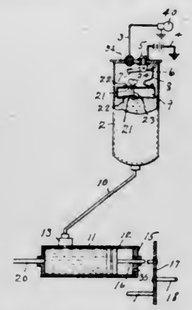
2,085,172
REFRIGERATING APPARATUS
Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 19, 1936, Serial No. 96,823
10 Claims. (Cl. 62—4)



1. In combination, an apparatus including an element which dehumidifies air, means for circulating a medium through said element to cause said dehumidification of the air, means for collecting condensate water from said element and for normally conveying the water away from said apparatus, and normally ineffective means rendered effective automatically in response to a predetermined accumulation of water in said collecting and conveying means for rendering said circulating means inoperative.

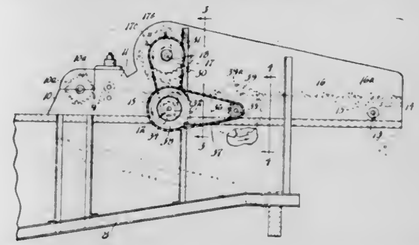
2,085,173
APPARATUS FOR LIQUID DISTRIBUTION FOR HYDRAULIC BRAKES
Miller Stansbury, Washington, D. C.
Application November 2, 1932, Serial No. 640,889
1 Claim. (Cl. 188—152)

In an hydraulic braking system for vehicles the combination of a plurality of integrally cast master compression chambers each provided with a piston slidable therein and means for actuating the said pistons in unison, a plurality of individual reserve tanks each provided with a float, a plurality of electrical indicating means one contained in each of the said reserve tanks and mechanically connected to the said float therein, suitable piping individually connecting the said reserve tanks to the said master compression chambers, a plurality of vane type



check valves one in each of the said pipes connecting the said reserve tanks to the said compression chambers one of the said check valves located adjacent to and near the forward end of each of the said compression chambers.

2,085,174
FEEDER FOR CORN SHREDDERS AND THE LIKE
Walter W. P. Stelter, Echo, Minn.
Application March 4, 1935, Serial No. 9,200
8 Claims. (Cl. 130—33)

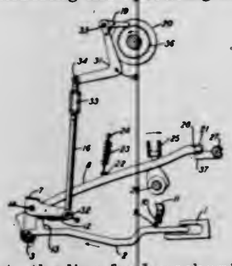


7. In a machine such as a corn shredder having oppositely acting rollers between which material is to be fed, feeding means operating beneath said material for feeding material forwardly to said rollers, a material engaging member mounted above said feeding means adjacent said rollers for rotation about an axis extending transversely of said feeding means and means imparting in repeated fixed cycles intermittent rotational movement to said material engaging member first through a certain arc in one direction and thence through a certain arc less than said first mentioned arc in the opposite direction whereby said material engaging member will act on the upper strata of the fed material to retard movement of the upper strata relative to the lower strata.

2,085,175
TELETYPEWRITER
Floyd Edwin Thornton, Perrysburg, Ohio, assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 5, 1936, Serial No. 67,380
18 Claims. (Cl. 178—25)

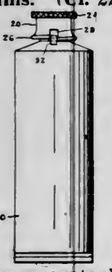
1. In a telegraph printer, printing mechanism, line feed mechanism, operating means for operating the line feed mechanism in response to line

feed signals received by the printer, and control means for rendering the operating means ineffec-



tive to operate the line feed mechanism, said control means including a latch.

2,085,176
CLOSURE FOR RECEPTACLES
David H. Warner, Canton, Ohio
Application June 15, 1935, Serial No. 26,783
Renewed October 2, 1936
6 Claims. (Cl. 221—60)



1. A closure for receptacles having a neck member comprising a cap having rotative engagement with said neck member, a helical one turn rib around said cap, and a lug carried by the receptacle in which said rib is held and is adapted to turn whereby said cap when removed from said neck member is kept attached to the receptacle.

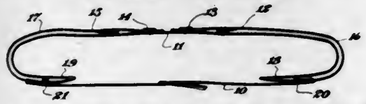
2,085,177
QUANTITATIVELY DETERMINING THE METAL CONTENT OF SOLUTIONS OF RHODIUM
Herbert E. Zschiegner, Ocean Grove, N. J., assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
No Drawing. Application February 12, 1936, Serial No. 63,597
4 Claims. (Cl. 23—230)

1. The steps in the method of determining the quantitative rhodium metal content of substantially pure rhodium solutions, consisting in preparing a solution containing an unknown quantity of rhodium, a bromide compound which does not precipitate the rhodium and an acid which reacts with the bromide and the rhodium to form a rhodium-bromine compound, and comparing the color of said solution with a standard color representing a known quantitative content of the same metal in a similar solution.

2,085,178
PROCESS FOR SLUDGE TREATMENT
Marshall F. Acken, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 22, 1936, Serial No. 60,358
15 Claims. (Cl. 75—33)

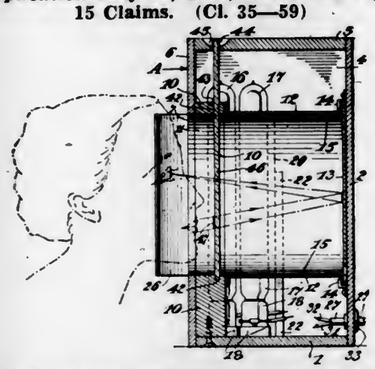
2. The process for the recovery of iron in a state of high surface area from a sludge containing reducible oxides of iron, which process comprises sintering said sludge, and treating said sintered sludge with a suitable reducing agent, at a temperature low enough to prevent the sintering of the metal, said reduction being carried out in the presence of a catalyst comprising at least one compound chosen from the group consisting of the carbonates, chlorides, oxides, and hydroxides of the alkali and alkaline earth metals.

2,085,179
MATERNITY DRESS
Samuel E. Badanes, Flushing, N. Y.
Application December 24, 1936, Serial No. 117,488
1 Claim. (Cl. 2—74)



In a maternity dress, a back portion having two symmetrical sets of spaced fasteners arranged in a horizontal row along the waistline, said back portion extending throughout the back and around the sides of the dress, a front portion, and straps extending rearwardly from the side edges of the front portion, each of said straps having a fastening means adapted to cooperate with any selected one of the corresponding set of fasteners, whereby the girth of the dress may be selectively varied, said dress being provided with a pleat at each side edge of the front portion at the juncture of said front portion with the sides of the dress to provide the excess material needed at the front when the girth of the dress is increased.

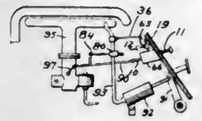
2,085,180
LIPSTICK DEMONSTRATING DEVICE
Palmer Bevis, New York, N. Y.
Application May 14, 1936, Serial No. 79,713
15 Claims. (Cl. 35—59)



1. In a lipstick testing device, in combination, a lip representation, means adapted to support it in a stationary position providing for positioning the natural lips in proximity thereto at the front thereof, a mirror, and means adapted to support said mirror in a stationary position at the rear of said lip representation and spaced therefrom sufficiently to reflect a clear composite image of the face with said lip representation constituting the lips upon the face in this image as viewed by the person looking into said mirror.

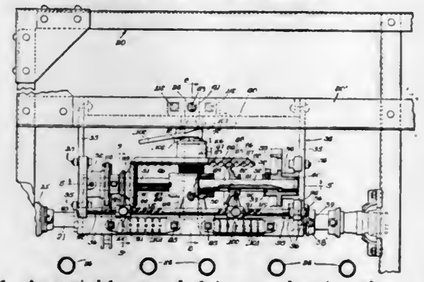
2,085,181
AUTOMATIC THROTTLE SHUT-OFF
Allan Penny Bloxsom, Houston, Tex.
Application May 12, 1932, Serial No. 610,845
1 Claim. (Cl. 192—.01)

A control mechanism including a cylinder, a piston therein, a pedal extending from said cylinder, and means thereon normally raising said piston, a slip joint connection between said



pedal and piston, and means to supply fluid pressure to operate said piston independently of said pedal.

2,085,182
VARIABLE SPEED MECHANISM FOR GRAIN DRILLS AND THE LIKE
William L. Braley and Clyde A. Brown, Springfield, Ohio, assignors to Oliver Farm Equipment Company, a corporation of Delaware
Application July 28, 1933, Serial No. 682,576
5 Claims. (Cl. 74—348)



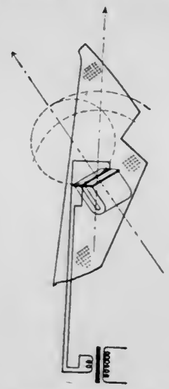
1. A variable speed drive mechanism for grain drills and the like machine comprising a frame, a shaft mounted on said frame, a variable speed disc secured to and longitudinally adjusted with said shaft, said disc having a plurality of rows of teeth on one face thereof, a drive shaft mounted on said frame, a drive pinion splined to said shaft, a driven shaft mounted on said frame, a driven pinion splined to said shaft, a spring mounted on said first named shaft normally actuating said disc and shaft forwardly with respect to said pinions, a bracket mounted on said frame having camming members formed thereon, a hand operating lever rotatable on said first named shaft having camming surfaces engageable with said camming members, said lever being operatively related to said disc whereby on the manipulation of said lever said disc is actuated to or from meshing relation with said pinions, and a thrust collar mounted on said shaft having graduated adjustments for compensating for wear occurring between said discs and said pinions.

2,085,183
CONDENSATION PRODUCTS OF PHENOLPHTHALEIN
Edmond H. Bucy and Robert Watkins, Waukegan, Ill., assignors, by mesne assignments, to Atlas Powder Company, North Chicago, Ill., a corporation of Delaware
No Drawing. Application August 22, 1932, Serial No. 629,878
7 Claims. (Cl. 260—2)

1. A synthetic resin, comprising a condensation product of phenol-phthalein and castor oil, the said product melting substantially at 82° C.

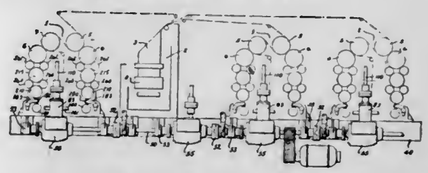
4. The process of making a resinous material comprising the condensation product of phenolphthalein, castor oil and rosin ester which comprises heating together phenol-phthalein, castor oil and rosin ester in the presence of an agent selected from the group consisting of sodium carbonate, sodium benzoate, p-tertiary amylphenol and hydrochloric acid.

2,085,184
LAPEL MICROPHONE
Richard W. Carlisle, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1934, Serial No. 723,230
2 Claims. (Cl. 179—121)



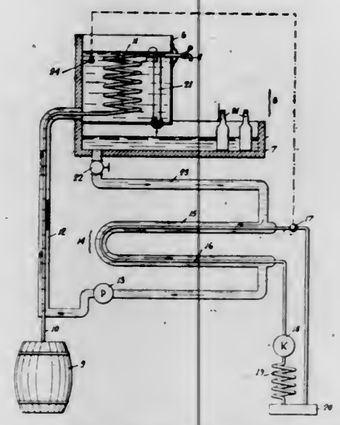
2. The method of securing a uniform response in a microphone independent of the position of the speaker's head, comprising the step of positioning a microphone having a directional response adjacent to the speaker with its direction of maximum response in the direction of the speaker's mouth when turned away from the microphone, and with a direction of less response in the direction of the speaker's mouth when turned most nearly toward the microphone.

2,085,185
PRINTING PRESS
Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application September 15, 1933, Serial No. 689,512
30 Claims. (Cl. 270—5)



1. In a rotary newspaper printing unit the combination of a pair of printing couples, a driving gear meshing with a removable gear on one cylinder of each couple and a gear on each cylinder at the other end of said cylinders, the gears of each couple meshing with each other, a removable idler meshing with a gear of each couple on said other side, whereby either of said removable gears may be moved out of mesh with said driving gear to drive the couples in either direction through said idler, inking drums for each couple driven by the plate cylinder of its couple, and a fountain roller for each couple, and means for driving the inking mechanism always in the same direction.

2,085,186
BEVERAGE COOLING SYSTEM
Otto H. Eger, Holyoke, Mass.
Application November 26, 1935, Serial No. 51,564
7 Claims. (Cl. 62—101)



1. In an apparatus of the character described, a first deck, a second deck, at least a portion of said second deck being positioned vertically under said first deck, said second deck being adapted to receive articles such as bottles, means for supplying fluid to the first deck, means for passing coolant in heat exchange relation with fluid passing to and in said first deck, and means for subsequently supplying said coolant to said second deck, whereby said fluid and said articles are cooled.

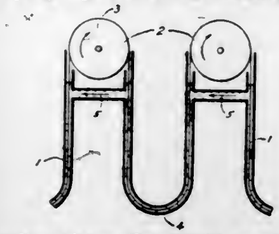
2,085,187
CONVERTIBLE MOUNTING CORNER
Albert W. Engel, Chicago, Ill.
Application July 20, 1936, Serial No. 91,528
18 Claims. (Cl. 40—158)



1. A mounting corner which includes a pocket of opaque sheet material within a pocket of transparent sheet material, the opaque pocket opening in the same direction as the transparent pocket but along a line within the area of the latter, said transparent pocket including a back wall which overlaps less than the entire area of the back wall of the opaque pocket, and a backing sheet adhesively secured to the back wall of the transparent pocket and to a portion of the back wall of the opaque pocket for securing said pockets in assembled relation.

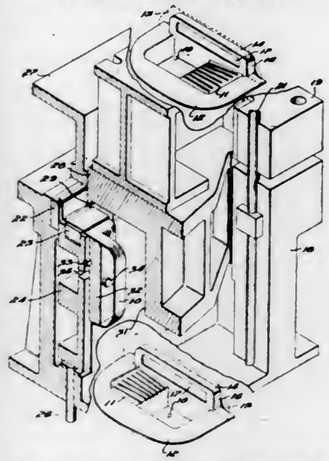
2,085,188
FILM DEVELOPING APPARATUS
Erwin Gerlach, Berlin-Siemensstadt, Germany, assignor to Klangfilm G. m. b. H., Berlin, Germany, a corporation of Germany
Application April 26, 1935, Serial No. 18,299
In Germany April 30, 1934
4 Claims. (Cl. 95—94)

1. A continuous film processing machine including a plurality of conduits curved at the bottom and open at the top, pipes interconnecting the upper ends of said conduits for carrying a developing liquid from one conduit to another,



and a roller above the liquid level arranged to guide a film from one to another of said conduits.

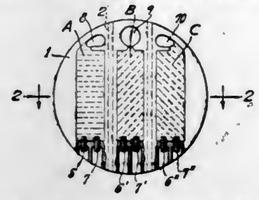
2,085,189
DIE APPARATUS
Vincent J. Graf, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application January 11, 1936, Serial No. 58,644
3 Claims. (Cl. 113—49)



1. A die block assembly for performing a stamping operation on the splash board portion of either a right hand or left hand sink blank; each of said blanks comprising a basin portion, a drain board portion located respectively on the right or left side of the basin portion, and a splash board portion extending across the sink blank along the edges of the basin and the drain board portion; said die block assembly comprising die means for performing a stamping operation on the splash board portion, gauge means for engaging or locating said basin portion, and means for locating said gauge means adjacent either end of said die means, whereby said die block assembly may be adapted for operation on either right hand or left hand sink blanks by moving said gauge means to a position such that it will engage the basin portion of the selected blank.

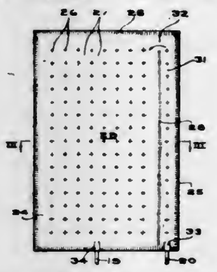
2,085,190
COLOR FILTER
Edgar Gretener, Berlin-Siemensstadt, and Hans Arni, Berlin-Ruhleben, Germany, assignors to Opticolor, Aktiengesellschaft, Glarus, Switzerland, a Swiss corporation
Application July 27, 1935, Serial No. 33,534
In Germany August 7, 1934
2 Claims. (Cl. 95—81.5)

1. A polyzoned color filter for use with lenticulated films and having cells adapted to contain colored liquids to form the zones of the filter, said filter comprising a metal frame having said



cells formed therein and having walls separating said cells, said walls having holes extending longitudinally therethrough, for the passage of a cooling fluid.

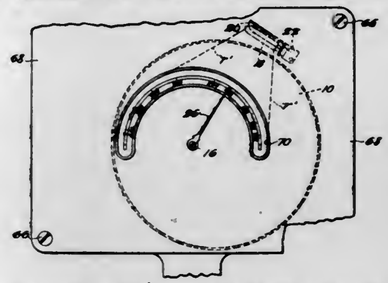
2,085,191
PLATE CONDENSER
Roger W. Hastings, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 24, 1935, Serial No. 37,666
6 Claims. (Cl. 257—36)



3. In a heat exchanger for condensing refrigerant vapor, the combination of first and second substantially flat wall members secured together at the edges thereof, means defining a partition connecting said wall members and extending from the bottom edge of the wall members toward the top edge thereof but terminating in spaced relation with the top edge, said partition being disposed adjacent a side edge of the wall whereby a relatively wide condensing chamber and a narrow duct are defined between the wall members, said condensing chamber and duct communicating above the partition, means for admitting refrigerant vapor to the duct adjacent the bottom thereof and means for conveying condensed refrigerant from the lower portion of the condensing chamber to the exterior thereof, said duct having a flow area of such proportions that the velocity of vapor passed therethrough is sufficient to mechanically carry condensed vapor in suspension.

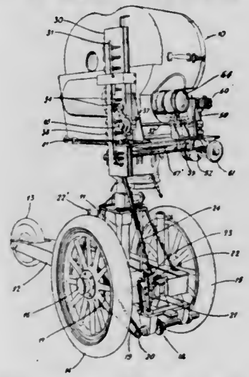
2,085,192
EDGE ILLUMINATED INDICATOR
Sheldon C. Hayward, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1936, Serial No. 88,178
9 Claims. (Cl. 116—124.1)

1. A multi-scale indicator comprising a scale bearing, transparent surface having a plurality of discrete, colored edge portions, means disposed adjacent said edge for edge-illuminating said surface, an escutcheon having an aperture through which one of said scales may be viewed, and means for selectively framing said scales in said aperture and concomitantly registering a



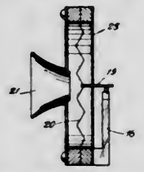
selected one of said colored edge portions with said edge illuminating means.

2,085,193
MOTION PICTURE CAMERA
Donald M. Jahraus, North Hollywood, and Roy Hunt, Canoga Park, Calif., assignors to Radio Corporation of America, a corporation of Delaware
Application June 14, 1932, Serial No. 617,098
1 Claim. (Cl. 88—16)



A motion picture apparatus including an optical system, a view finder, a movable support, means including a cam member operable in response to movement of said support for focusing said system, means operable in response to said movement for adjusting said finder, and means for adjusting the contour of said member.

2,085,194
RECORDING AND REPRODUCTION OF IMPULSES
Edward W. Kellogg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 28, 1933, Serial No. 704,249
3 Claims. (Cl. 274—5)



1. An acoustic device including an enclosure provided at one side with a mouth piece and at

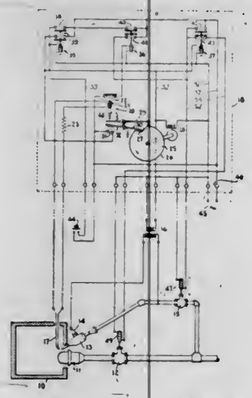
another side with a thin wall perforated by small openings, a diaphragm mounted intermediate said sides, a recording element, and coupling means interposed between said diaphragm and said element.

2,085,195

AUTOMATIC STARTING DEVICE AND SAFETY SHUT-OFF FOR GAS-FIRED INDUSTRIAL FURNACES

William J. Kerr, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut

Application May 16, 1935, Serial No. 21,756
5 Claims. (Cl. 158—28)



1. The combination with a fluid fuel burner, an electrical igniter for the same, and electrical means controlling the supply of fuel to said burner; of a control system comprising in circuit a main switch, said igniter, said fuel-supply-controlling means, a motor-operated sequential switching mechanism, and a plurality of interdependent relays, whereby in response to closure of said main switch, energization of one of said relays effects operation of said igniter, the fuel-supply-controlling means and the motor-operated sequential switching mechanism; a mechanically controlled relay subsequently and momentarily mechanically actuated from the motor of the sequential switching mechanism; a switch forming a part of said switching mechanism to de-energize said motor, said one relay and the igniter; and a temperature-sensitive element responsive to the burner and operative to maintain said mechanically actuated relay in its actuated position, whereby upon release of said one relay with said mechanically actuated relay remaining energized, said fuel-supply-controlling means continues to supply fuel to said burner.

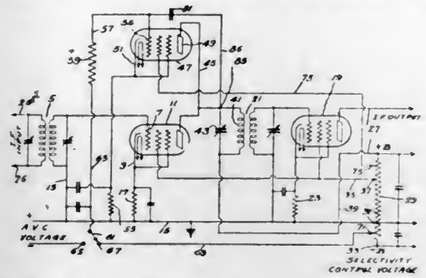
2,085,196

SELECTIVITY CONTROL SYSTEM

Winfield R. Koch, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 31, 1935. Serial No. 24,217
12 Claims. (Cl. 250—20)

1. In a radio receiving circuit, the combination with a tuned high frequency transformer, of a pentode electric discharge device having its anode-cathode impedance connected effectively in shunt relation to a tuned signal circuit including said transformer, means for coupling the control grid of said device to the high potential side of said circuit to receive signal energy therefrom, and means for applying a control voltage to said control grid to adjust the mutual con-



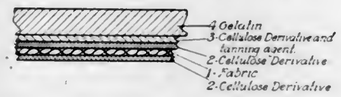
ductance of said device and the selectivity of said circuit.

2,085,197

DUPLICATOR PAD

Robert L. Lester, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 5, 1935, Serial No. 29,929
15 Claims. (Cl. 41—31.6)



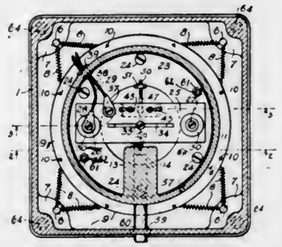
1. Process for making duplicator sheets which comprises applying to at least one side of a suitable flexible base material at least one coat of a cellulose-derivative composition, applying to the cellulose derivative film thus deposited a cellulose derivative composition comprising a tanning agent, and superimposing thereon a layer of a gelatin composition.

2,085,198

MICROPHONIC SWITCH

Maxwell H. A. Lindsay, Summit, N. J., assignor to American District Telegraph Company, New York, N. Y., a corporation of New Jersey

Application June 22, 1934, Serial No. 731,838
Renewed February 18, 1937
5 Claims. (Cl. 200—52)



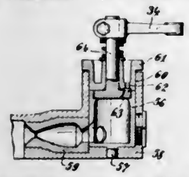
1. A microphonic switch detector comprising a diaphragm actuatable by sound vibrations; a contact part operatively connected to the diaphragm; a movable inertia switch member; a contact device connected to said member and in contact with the contact part, whereby the inertia member may be moved by the diaphragm to vary the pressure between said device and said contact part; and means for adjusting the pressure of said device on the contact part and adjusting the inertia effect of said member independently of said pressure.

2,085,199

ROTATABLE DIESEL AIR CHAMBER OPERATING MECHANISM

Bruno Loeffler, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a corporation of Delaware

Application October 1, 1935, Serial No. 43,024
5 Claims. (Cl. 123—48)



1. An air valve for controlling the compression and ignition of compression ignition engines wherein the valve, in operation, is moved to cranking, starting and running positions, the air valve consisting of a rotatable member having a chamber formed therein adapted to serve as an air chamber during normal operation of the engine, relatively stationary means to carry the valve and having a port, the rotatable member being formed with a port cooperating with the port in the stationary means, and operating mechanism to rotate the valve.

2,085,200

CLOSED CONTAINER SUCH AS PRESERVING CANS

Erik Ljungström, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Transitoria, Stockholm, Sweden, a corporation of Sweden

Application March 6, 1934, Serial No. 714,217
In Sweden March 8, 1933
14 Claims. (Cl. 220—48)



1. A container having a tearing wall portion adapted to be torn to open the container, a tearing member permanently attached to said tearing wall portion, a manually operable key constituting a lever adapted to be turned in a plane perpendicular to the plane of said tearing wall portion to effect opening of the container, said key being connected to said tearing member for pivotal movement with respect to said tearing member and having a fulcrum point about which the key acts, the connection between said tearing member and said key being situated between the place of permanent attachment of the tearing member and the fulcrum point of the key.

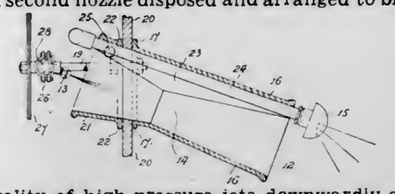
2,085,201

COMBUSTION CONTROL IN FURNACES

Harold Ashton Richardson, New York, N. Y.

Application October 18, 1934, Serial No. 748,850
In Great Britain May 11, 1934
8 Claims. (Cl. 110—60)

1. Apparatus for controlling combustion in furnaces which comprises a tubular passage in the furnace wall, said passage being downwardly directed, a blowing nozzle external to said passage and directed thereinto, fluid under pressure from said nozzle entering said passage and forcing air therethrough under relatively low positive pressure and expelling it downwardly in controlled amounts into the furnace, a second nozzle above at least the major portion of said passage and at the inside end thereof, a high pressure fluid supply to said second nozzle jet openings in said second nozzle disposed and arranged to blow a



plurality of high pressure jets downwardly on to the air issuing from said passage and to mix said air with combustible fluid or solid floating in said furnace and to blow the mixture on to an area of high incandescence in the furnace.

2,085,202

BRUSH

Frederick W. Sauer, Rutherford, N. J., assignor, by mesne assignments, to Surfacing Wheel Corporation, New York, N. Y., a corporation of Delaware

Application December 27, 1932, Serial No. 649,036
5 Claims. (Cl. 29—78)



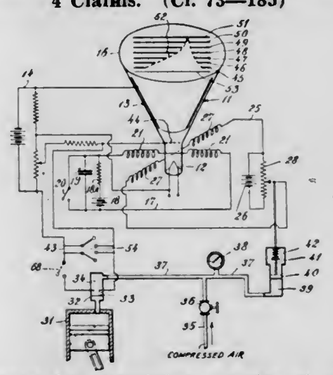
1. In a cutting or scraping tool of the character described, a complete, individual and removable unit comprising a plurality of radial discs of pressed metal permanently secured together, a plurality of flat resilient blades, means to rigidly secure said blades at their inner ends between certain of said discs, the outer ends of said blades extending beyond the periphery of said discs, other of said discs being formed with radial notches the sides of which are deflected to form laterally extending abutments on said discs abutting the flat medial portion of said blades and limiting the flexible movement of the latter.

2,085,203

ENGINE INDICATOR

Carleton H. Schlesman, New York, and Wilbur S. Mount, Jackson Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application August 21, 1935, Serial No. 37,258
4 Claims. (Cl. 73—185)



3. Means for examining a series of cycles of events wherein pressure varies in repetitious manner with respect to time and other events which

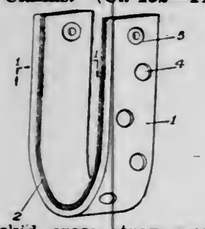
may be noted occur repetitiously, as in the cycle of an internal combustion engine; comprising a cathode ray tube, means for causing the ray thereof to sweep regularly through a path of predetermined length and position representing a unit cycle of time, means to alter the position of said path in a direction perpendicular to its length in response to a pressure change and through a distance proportional to said pressure change, means to interrupt said ray when the examined pressure is equivalent to the altering pressure, means to interrupt said ray when other cyclic events occur, and means to record the successive paths of said ray and the interruptions therein.

2,085,204

ANTISKID DEVICE FOR POWER DRIVEN VEHICLES

David J. Sullivan, Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application September 19, 1934, Serial No. 744,639
8 Claims. (Cl. 152—14)



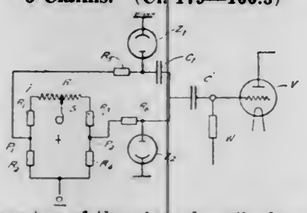
1. An anti-skid cross strap member for use around rubber tires comprising a base composed of a plurality of rubber impregnated fabric layers integrally joined, and adhered thereto a substantial layer of resilient rubber having a cellular structure.

2,085,205

METHOD AND MEANS TO SCAN SOUND FILMS WITH A PLURALITY OF SCANNERS

Hans Warncke, Berlin-Steglitz, Germany, assignor to Klangfilm G. M. B. H., Berlin, Germany, a corporation of Germany

Application March 26, 1935, Serial No. 13,065
In Germany March 7, 1934
3 Claims. (Cl. 179—100.3)



1. Apparatus of the class described comprising a plurality of light sensitive devices, a source of potential for said devices, means for simultaneously and oppositely varying the potential applied to said devices, resistors in the circuit between said means and said devices, means adapted to be actuated by said devices, and condenser means coupling said devices to said last means.

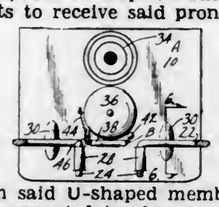
2,085,206

BASKETBALL BASKET SUPPORT

Arthur C. Holmdahl, Kellogg, Iowa

Application June 26, 1936, Serial No. 87,458
4 Claims. (Cl. 273—1.5)

1. In a basket ball basket support, an inverted U-shaped member adapted for hooking over the upper edge of a door or the like, a ring having a pair of prongs, said U-shaped member having a pair of sockets to receive said prongs, a pair of



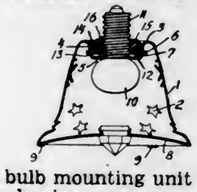
projections on said U-shaped member engaging said ring to prevent lateral movement thereof relative to said U-shaped member and a basket ball basket suspended from said ring.

2,085,207

MECHANICAL MOUNTING FOR LAMP BULBS

Abraham Abramson, New York, N. Y., assignor, by mesne assignments, to G. B. G. Corporation, Newark, N. J., a corporation of New Jersey

Application May 9, 1935, Serial No. 20,562
6 Claims. (Cl. 240—10)



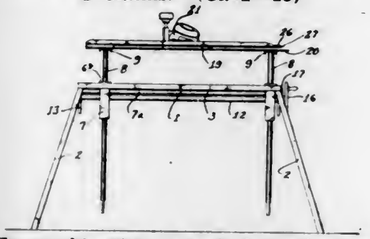
1. A lamp bulb mounting unit including a casing member having a recess and an opening covering 360° in said recess, a bulb holder of insulating material wholly mounted within said recess, and having a portion projecting through said opening within the casing member, means for retaining said holder in said recess, said holder having an opening therein smaller than the bulb and a lamp bulb having an extra long stem mounted in said holder so a part of the stem is within the holder and the remainder projecting therefrom to the approximate length of a standard bulb of the type herein described, the projecting end of the stem serving to mount the unit into a current supply socket.

2,085,208

BOX CLOSING MACHINE

Jesse G. Bates, Chicago, Ill., assignor to Automatic Stapler Company, Chicago, Ill., a corporation of Illinois

Application October 3, 1935, Serial No. 43,333
4 Claims. (Cl. 1—13)



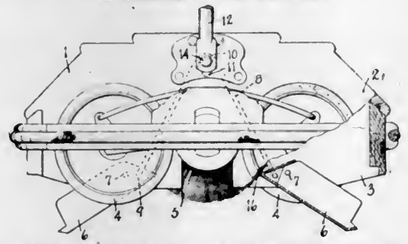
1. In combination, a rack for a box or container, supports carried by said rack, one of said supports being slidably mounted on said rack for movement therealong to vary the spacing of said supports, common means for adjusting the elevation of said supports, a portable anvil having a bottom plate adapted to be rested on said supports while inserted beneath the closure flaps of a box resting on said rack and means on said anvil defining a guideway above said bottom plate for guiding a flap securing device therealong.

2,085,209

DUSTPAN DUMP FOR CARPET SWEEPERS

Wadsworth Bissell, Grand Rapids, Mich., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich.

Application September 17, 1935, Serial No. 40,943
4 Claims. (Cl. 15—41)



1. A carpet sweeper casing, dust pans pivoted between the ends of said casing, means for holding said dust pans closed and for dumping said dust pans comprising a spring extending between the pans and having an upwardly extending loop which is raised to dump said dust pans, a vertical slot in one end of the casing having its lower end adjacent and below said upwardly extending loop when the pans are in closed position, and a handle including a bail having a nib pivoted in and extending through said vertical slot and under said upwardly extending loop whereby when the dust pans are closed, the nib of the bail is held yieldingly in the bottom of the slot and whereby the pans may be dumped by an upward movement of said nib.

2,085,210

PREPARATION FOR TREATING SCALY BARK

Engle A. Boele, Pasadena, Calif.

No Drawing. Application November 14, 1936, Serial No. 110,927
2 Claims. (Cl. 167—14)

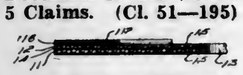
1. A preparation for treating psorosis in citrus trees comprising a dilute aqueous mixture of lye, "Lysol" and potassium permanganate.

2,085,211

GRINDING DISK AND METHOD OF MAKING THE SAME

Henry Harold Budds and Thomas Gorzelany, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application December 10, 1934, Serial No. 756,802
5 Claims. (Cl. 51—195)



1. In the method of making a grinding element, the steps of impregnating a plurality of fabric blanks with a liquid primer, baking the impregnated blanks, cementing the blanks together to provide a laminated sheet, waterproofing the surfaces of the sheet, and coating the waterproofed sheet with abrasive.

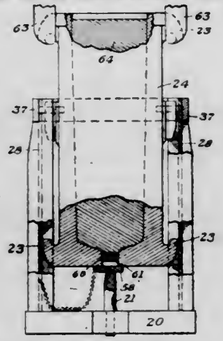
2,085,212

APPARATUS FOR STRIPPING INGOTS

George A. Dornin, Baltimore, Md.

Application March 2, 1934, Serial No. 713,667
1 Claim. (Cl. 22—95)

Apparatus for stripping ingots comprising a wheel mounted support, a structure on said support providing vertical guideways for guiding a mold in raising and lowering movements relative to said support and restraining lateral movement of the upper portion of the mold, a projection for entering an opening in the bottom of the mold when the mold is in lowered position relative to said structure, and means cooperating with said projection for supporting said mold in sufficiently elevated position to maintain the mold cavity freed from said projection.

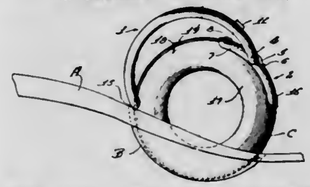


2,085,213

TIRE COVER

Arthur P. Fergueson, Detroit, Mich., assignor to Lyon Cover Company, Detroit, Mich., a corporation of Michigan

Application September 8, 1932, Serial No. 632,101
11 Claims. (Cl. 150—54)



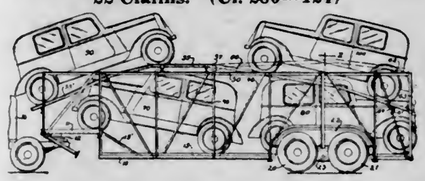
1. A tire cover comprising mutually hinged arcuate tread covering sections, one of said sections being resilient and of such length that it subtends an angle in excess of 180° when in proper tread covering position, and having a normal diameter substantially less than the diameter of the tread of the spare tire, to thereby hug the tread of the tire, the other section being arranged to nest in the first section and including a portion extending beyond said first section whereby said first section partly overlies and holds the second section in tight engagement with the adjacent portion of the tread of the tire.

2,085,214

VEHICLE CONSTRUCTION

Lynn M. Francis, Birmingham, Mich., assignor to Mechanical Handling Systems, Inc., Detroit, Mich., a corporation of Michigan

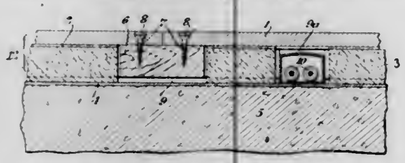
Application December 29, 1933, Serial No. 704,500
22 Claims. (Cl. 280—124)



3. A vehicle chassis including an axle, a pair of walking beams on the axle at opposite ends

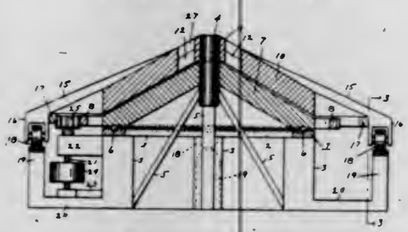
thereof, a pair of longitudinally extending beams between said walking beams, cross bars extending between said longitudinally extending beams, and brackets secured to one of said cross bars and having aligned openings receiving said axle.

2,085,215
FLOOR
Augusto C. Gonzalez, Manila, Philippine Islands
Application June 20, 1936, Serial No. 86,230
5 Claims. (Cl. 20—6)



1. A floor element comprising a slab of resilient material, and a slab of relatively harder wear surface material of horizontal dimensions greater than those of the resilient material slab and cemented thereto in such relation that the edges of the wear surface material slab extend beyond the edges of the resilient material slab.

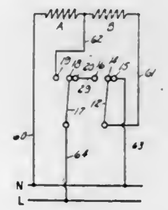
2,085,216
CRUSHING AND GRINDING MILL
Frank Gross, Colorado Springs, Colo.
Application July 6, 1936, Serial No. 89,077
5 Claims. (Cl. 83—10)



1. In a mill of the class described, the combination of a vertically disposed shaft; supports for said shaft; a lower grinding member mounted on said shaft; an upper grinding member provided with ore inlets and mounted on said shaft so as to cooperate with said lower grinding member; radially disposed arms mounted on said upper grinding member; a peripheral ring gear spaced from said lower grinding member and disposed concentrically with said shaft; arms connecting said ring gear with said lower grinding member; an internal ring gear spaced from said peripheral ring gear and secured to said radially disposed arms; a roller mounted on each radially disposed arm; a stationary cam disposed in the path of said rollers so as to cooperate with said rollers and radially disposed arms to lift said upper grinding member intermittently; a drive gear disposed between said ring gears and meshed therewith; a shaft for said drive gear; and bearings for said last named shaft.

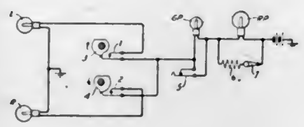
2,085,217
HEATER CIRCUIT AND CONTROL
George Hegeman Hart, West Hartford, Conn.
Application November 10, 1934, Serial No. 752,503
6 Claims. (Cl. 219—20)

1. An electrical circuit comprising two power lines having a switch and an electrically actuated heating element connected thereto, said circuit being arranged to provide for different amounts of heat within the element, two separately movable arms within the switch, one of which is permanently electrically connected to one end of the heater element, the other arm being permanently electrically connected to one of the power lines, the first named arm being selectively engageable with a pair of spaced contacts, one of which is connected to the other power line and also to the other end of the heater element, said second named arm being selectively engageable



with a pair of spaced contacts, one of which is connected to a portion of the heater element intermediate of its ends, the other of said spaced contacts being electrically connected together, and means to move the arms of the switch whereby the switch may be arranged to selectively direct electrical power to different portions of the heater element and provide for a plurality of predetermined conditions of heat within said element and an "off" position wherein the electrical power is completely disconnected from the element.

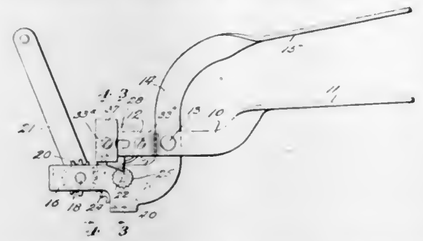
2,085,218
DIRECTION INDICATING SYSTEM
Raymond A. Heising, Summit, N. J.
Application August 4, 1934, Serial No. 738,497
7 Claims. (Cl. 177—339)



2. In a direction indicating signaling system, a circuit including a direction indicating signaling light, contacts for closing a circuit therethrough, an operating member for closing said contact, means whereby said operating member upon being operated temporarily closes a path through a low current pilot device to indicate a closed circuit condition in combination with an additional high current pilot device not glowing under normal conditions but connected in circuit to be energized to give a signal upon the occurrence of a short circuit around the signaling light.

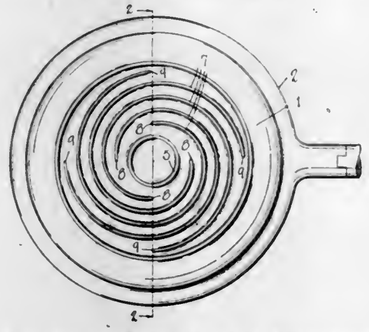
2,085,219
CAN OPENER
Frank F. Hosmer, Glendale, Calif., assignor of one-half to William Hall Gilbert, Los Angeles, Calif.
Application August 7, 1935, Serial No. 35,075
2 Claims. (Cl. 30—15)

1. In a can opener, a pair of pivotally connected handles, jaws projecting from the forward ends of said handles, a shaft journaled in the lower jaw, a toothed wheel carried by said shaft, manually operable means for imparting rotary motion to said shaft, a blade carried by the upper jaw, a roller journaled on the upper jaw and positioned adjacent said blade and above said toothed wheel,



a bracket secured to the end of the upper jaw, a portion of which bracket is extended downwardly to form a bearing finger that overlies the face of the lower jaw on the opposite side from the toothed wheel and a portion of said bracket below the upper jaw occupying a horizontal plane and overlying the upper edge of the lower jaw.

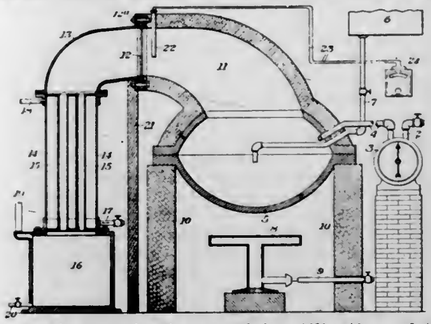
2,085,220
COOKING UTENSIL
Lewis G. Howlett, Hartford, Mich., assignor to Cookware Company of America, Hartford, Mich.
Application December 21, 1936, Serial No. 117,015
8 Claims. (Cl. 53—1)



1. A cooking utensil having a flat bottom provided with an inner centrally disposed annular rib of relatively small diameter and an outer annular rib adjacent the periphery of the bottom, and a plurality of spaced convolute ribs of uniform length arranged in overlapping relation with their inner ends adjacent but uniformly spaced from said inner annular rib and their outer ends adjacent but uniformly spaced from said outer annular rib, said convolute ribs comprising substantially one convolution, all the ribs being of outwardly tapered substantially uniform section.

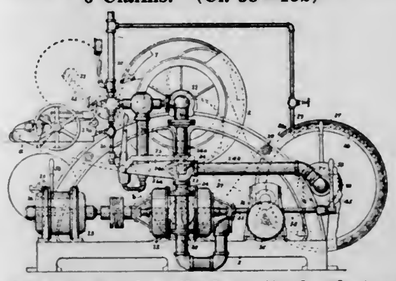
2,085,221
METHOD OF MAKING PARTIAL OXIDATION PRODUCTS
Joseph Hidy James, Pittsburgh, Pa., assignor to Clarence P. Byrnes, trustee, Sewickley, Pa.
Application January 22, 1919, Serial No. 272,567
Renewed November 13, 1936
11 Claims. (Cl. 260—116)

1. The process of treating hydrocarbons which comprises passing a mixture of the hydrocarbon and air over a heated catalyzer and withdrawing



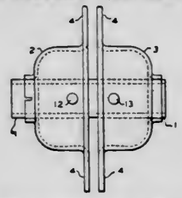
the products prior to complete utilization of the oxygen in oxidizing reactions.

2,085,222
METHOD OF STEAMING FABRICS
William J. Koch, Midland Park, N. J., assignor to Van Vlaanderen Machine Company, Paterson, N. J., a corporation of New Jersey
Application April 15, 1935, Serial No. 16,416
6 Claims. (Cl. 38—152)



1. The hereindescribed method of treating fluid-pervious fabrics in succession which consists in winding a fabric to be treated and a fluid-pervious blanket together into a composite fabric-and-blanket mass, subjecting such mass to steam, unwinding the fabric and blanket and winding the blanket independently of the fabric into a wound mass, and subjecting the latter mass to a vacuum, and repeating the foregoing steps as to each succeeding fabric to be treated.

2,085,223
HIGH FREQUENCY CIRCUITS
Frederick A. Kolster, New York, N. Y., assignor to Federal Telegraph Company, Newark, N. J., a corporation of California
Application October 12, 1932, Serial No. 637,564
21 Claims. (Cl. 250—40)



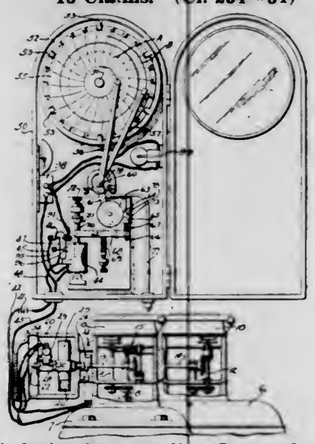
14. A high frequency circuit comprising, as a composite unit, a pair of flat annular metallic members forming the electrodes of a capacity element of the circuit, a metallic rod concentrically disposed within said annular members and

forming an inductance element of the circuit, a conducting tubular member surrounding said rod and at one end adjustably engaging said rod so as to be supported thereby and thereon and carrying one of said annular members at the other end thereof, and means for supporting the other annular member on said rod in spaced parallel relation to said one annular metallic member.

2,085,224
RECORDING METER

Emil M. Krueger, Milwaukee, Wis., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application December 26, 1931, Serial No. 583,280
13 Claims. (Cl. 234—34)



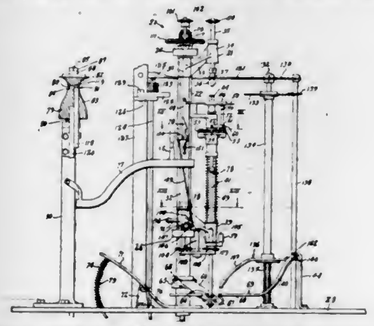
12. A device for recording flow and requiring a large range of flow to be indicated in limited space in small unit increments, said device comprising the combination with means for advancing a record sheet, of a stylus movable transversely with respect to the path of advance of said sheet, means biasing said stylus against movement across said sheet, a cam and cam follower for the progressive advance of said stylus in opposition to its said bias, a ratchet connected with said cam for the actuation thereof and provided with small teeth defining minute increments of advance of said stylus, stop means opposing retrogressive movement of said stylus from any position and engageable with successive teeth to define positions of said stylus representing minute increments of advance thereof across said sheet, pawl means acting upon successive teeth for the advance thereof in minute unit increments from said stop means, and mechanism intermittently operable and connected with said pawl means for the operative stroke of said pawl means for a distance in excess of the movement required for a one tooth advance but less than a two tooth advance thereof, whereby to produce a slight overrun of said stylus in each unit increment of movement thereof to accentuate the point on said sheet at which such increment occurs.

2,085,225
PARING MACHINE

Roy G. Lucks, Portland, Oreg., assignor to California Packing Corporation, San Francisco, Calif., a corporation of New York

Application May 7, 1934, Serial No. 724,290
16 Claims. (Cl. 146—43)

1. In a paring machine, supporting and turning means for the object to be pared, first cutter means having a cutting surface of predetermined contour for shaping while paring the object, a first guide means positioned adjacent one end of the cutter means and arranged to engage the unpared peripheral portion of the object in alignment with the article engaging portion of the cutter means for predetermining the cutting depth of said cutting means, means for yieldingly urging the object and guide means into operative engagement, second cutter means having a

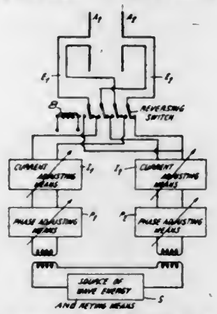


cutting surface of predetermined contour for paring that portion of the object left unpared by the first cutter means, a second guide means positioned adjacent one end of the cutter means and arranged to engage the peripheral portion of the object which was pared by the first cutter for predetermining the cutting depth of the second cutting means, and means for yieldingly urging the object and second guide means into operative engagement.

2,085,226
ANTENNA SYSTEM

Wilhelm Moser, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application October 31, 1934, Serial No. 750,777
In Germany October 25, 1933
1 Claim. (Cl. 250—11)

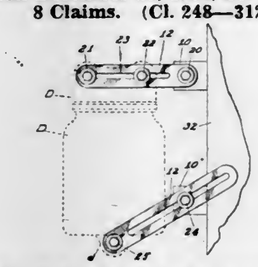


In a radio beacon transmitter, a pair of separated dipole antenna systems disposed with their axes in parallelism, a source of radio frequency signalling energy, current and phase adjusting means disposed in circuit between said source and each of said antenna systems, and key-switching means for cyclically connecting first one and then the other of said antenna systems to said source through a given portion of said current and phase adjusting means, and for simultaneously connecting the remaining antenna system to said source through said remaining portion of said current and phase adjusting means.

2,085,227
ADJUSTABLE BRACKET

Neville R. Norman, River Forest, Ill., assignor to Joseph Weidenhoff, Inc., Chicago, Ill., a corporation of Illinois

Application December 29, 1934, Serial No. 759,702
8 Claims. (Cl. 248—312)

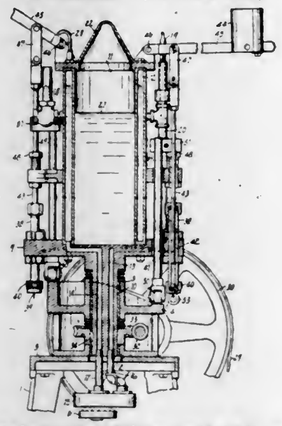


8. An adjustable bracket for supporting in upright position a device having a first mounting lug adjacent its upper end with laterally spaced bolt-receiving apertures and a second mounting lug adjacent its lower end comprising, in combination, a pair of attaching members adapted to be secured in laterally spaced relation on a support, a first bar having an aperture at one end for pivotal connection of the bar to one of said attaching members and an elongated slot extending longitudinally thereof longer than the distance between the bolt-receiving apertures in the upper mounting lug, a clamping bolt extending through each of the bolt receiving apertures in the upper lug and through the elongated slot for attaching said bar to the device to be supported, and a second bar connected between the other attaching member and the lower lug on the device.

2,085,228
APPARATUS FOR FILLING GOLF BALL CORES, CENTERS, AND THE LIKE

John M. Oldham, Detroit, Mich., assignor to Leonard A. Young, Detroit, Mich.

Original application February 24, 1934, Serial No. 712,781. Divided and this application August 20, 1934, Serial No. 740,677
4 Claims. (Cl. 154—18)

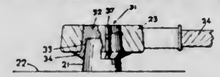


1. A machine for filling golf ball centers and the like, comprising in combination, a table having an opening in its top, a cam mounted on said table top and having a vertical bore alined with said opening, a gas burner disposed under said opening, a rotor disposed above said cam and having a journal disposed in said bore, a central water jacketed fluid container having circulating passages extending to the bottom of said journal, a hot water heater supported for rotation with the rotor above said gas burner by pipes connected to said circulating passages, an annular series of pump cylinders arranged on said rotor around said fluid container and provided at their lower ends with hypodermic discharge needles, fluid passages leading from the bottom of said fluid container to said cylinders, pistons in said pump cylinders, means for actuating said pistons including pivoted levers, links connecting the pistons to the levers, and adjustable weights on said levers, means for retracting said pistons including cam followers coacting with said cam, means for controlling the quantity of the fluid charges comprising adjustable means for limiting the charging strokes of the pistons, and means for rotating said rotor about its vertical axis.

2,085,229
STORAGE BATTERY

Grover F. Peterson, Piedmont, Calif., assignor of one-fifth to Malcolm C. Bruce, San Francisco, Calif.

Application November 24, 1934, Serial No. 754,621
5 Claims. (Cl. 173—259)

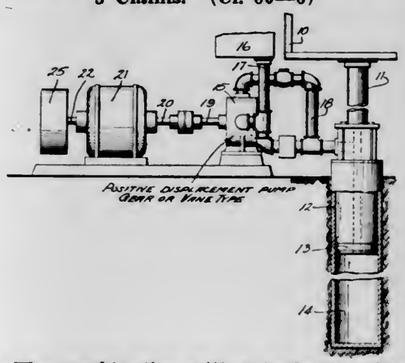


1. An attachment for preventing corrosion at a terminal of a battery, comprising a cup-shaped member of integral construction, the recess at the open end of said member having a solid end surface and a substantially frusto-conical side surface, the outer side surface of said member being substantially frusto-conical and overlapping said recess side surface, and an annular flange at the base of said outer side surface around said open end and having a flat seat joining said outer side surface, said recess being adapted to receive snugly the standard post of a battery with said flange spaced from the adjacent wall of said battery by the engagement of said solid end surface with the end of the standard post, and said outer side surface being adapted to receive a cable connector with the bottom surface thereof engaging said seat.

2,085,230
HYDRAULIC ELEVATOR TORQUE DAMPER

Edwin C. Rosenberg, Milwaukee, Wis.

Application September 17, 1932, Serial No. 633,567
3 Claims. (Cl. 60—6)



1. The combination with a hydraulic elevator including a cylinder, a ram, and a positive displacement pump with appropriate direct pipe

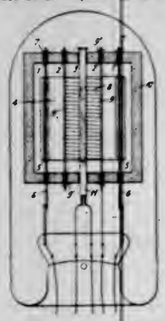
connections for establishing unyielding liquid pressure in the cylinder, of a shaft for operating the pump, a substantially constant torque motor attached to the pump shaft, and a torque damper comprising a flywheel upon said shaft.

2,085,231

MECHANICAL MOUNTING OF ELECTRODES IN DISCHARGE TUBES

Horst Rothe, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application September 24, 1932, Serial No. 634,647
In Germany October 3, 1931
8 Claims. (Cl. 250—27.5)



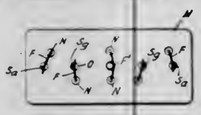
1. A unitary mount for the electrodes of a vacuum tube adapted to be mounted on a press, comprising a quadrangularly-shaped framework provided with a pair of spaced parallel end members of insulating material which are disposed transversely of the tube axis and with a pair of insulating side members which are disposed longitudinally of the tube axis, a plurality of electrode support rods extending all the way between and carried solely by said transverse end members, and additional support rods which also extend all the way between said end members and beyond also one of said members for connection to the press whereby said last mentioned support rods constitute the sole supporting means for said framework.

2,085,232

RESILIENTLY SUPPORTED ELECTRODE IN ELECTRON DISCHARGE DEVICES

Horst Rothe, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application February 2, 1934, Serial No. 709,445
In Germany February 6, 1933
9 Claims. (Cl. 250—27.5)



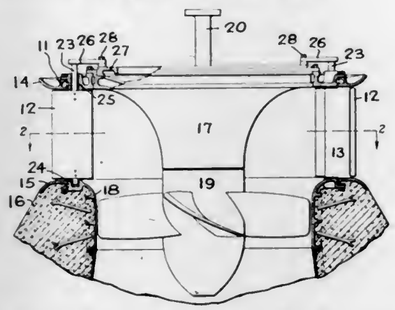
1. An electron discharge device having a plurality of electrodes, supports therefor extending above the ends of the electrodes, an insulating member supported above the electrodes and having openings therein through which the supports pass, resilient means supported by said insulating member engaging with said supports so that lateral movement thereof with respect to the insulating member is prevented, although longitudinal movement thereof is permitted.

2,085,233

HYDRAULIC TURBINE

James D. Scoville, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania

Application October 24, 1936, Serial No. 107,381
1 Claim. (Cl. 253—122)



In a hydraulic turbine, a speed ring comprising an upper flange and a lower flange, guide vanes extending between said flanges for rigidly retaining said flanges in spaced relation to each other, the lower flange being set in a concrete setting, a crown plate disposed within the speed ring, a throat ring also mounted in said concrete setting and constituting a downward extension of the speed ring, a runner having a plurality of radially projecting blades disposed within said throat ring, a shaft connected to said runner and extending upwardly through said crown plate, a bearing for said shaft mounted in said crown plate, said crown plate having an upper outer peripheral flanged portion mounted on the inner peripheral edge of the upper flange of said speed ring and an inner central depending portion terminating adjacent the top of the hub of the runner and having a diameter equal substantially to the diameter of the hub of the runner, a plurality of rotatable wicket gates arranged alternately with respect to said guide vanes around said speed ring, a stem extending vertically through each wicket gate, a bearing formed in the lower flange of the speed ring for the lower end of said stem, a bearing formed in the upper flange of the speed ring for the upper projecting portion of said stem, a gate operating arm fixed to the upper end of each stem, a gate adjusting ring rotatably mounted within the upper outer peripheral flanged portion of said crown plate, and means pivotally connecting each gate operating arm with said gate adjusting ring whereby the wicket gates may be turned by the arms from said ring.

2,085,234

ELASTIC WAIST BAND FOR GARMENTS

Lee J. Sherman, Orange, N. J.

Application July 28, 1936, Serial No. 92,952
1 Claim. (Cl. 2—76)

A garment of the wrap around type having a blouse portion and a skirt portion and a waistline zone defining said portions, said garment being split longitudinally forming two respectively overlying and underlying front sections, the blouse and skirt portion of the underlying section extending substantially to the center of the body, the edge of the blouse portion of the overlying section extending over and covering the edge of the blouse portion of the underlying section whereby a single breasted effect is produced, a flap extending laterally from the skirt portion of said overlying section over the opposing skirt portion of said underlying section to the opposite hip, means for fastening said flap to said hip, separate means for adjusting said waistline zone snugly upon the waist of the wearer, said means comprising two elastic bands, one of said bands being secured to the edge of the



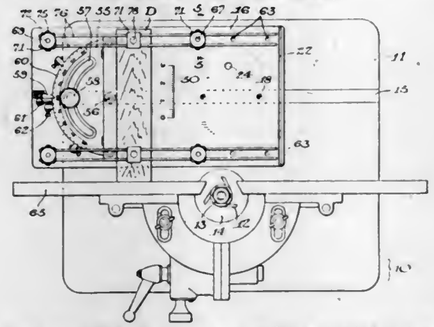
underlying section and the other band being secured to the inside of the overlying section adjacent the hip of the wearer, means for connecting said bands, said means being so positioned that the bands may be connected adjacent the front of the wearer.

2,085,235

WORKHOLDER FOR SHAPERS

Herbert E. Tautz, Milwaukee, Wis., assignor to The Delta Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 19, 1936, Serial No. 64,610
3 Claims. (Cl. 144—253)



3. A work holder for a machine tool having a cutter and a table with a guideway, comprising a work-supporting base plate to slidably rest on the table and having a guide portion engageable with said guideway, a miter gage pivotally secured to said base plate approximately midway between the opposite side edges of said plate and extending toward said opposite side edges, bars supported by and above said base plate adjacent the opposite side edges of the plate, and work-clamping members adjustable along said bars.

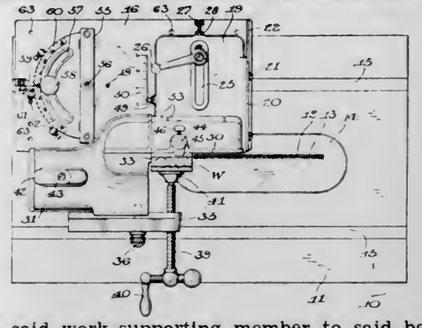
2,085,236

WORKHOLDER FOR SAWS

Herbert E. Tautz, Milwaukee, Wis., assignor to The Delta Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 19, 1936, Serial No. 64,611
9 Claims. (Cl. 143—168)

1. The combination, with a machine tool having a cutter and having a table with a guideway, of a base member slidable along said table and guided by said guideway, said base member having a transverse guideway, a work-supporting member slidable on said base member and guided by said transverse guideway, said work-supporting member having a work-positioning face at an angle to the plane of said table, means for securing said work-supporting member to said base member, and means for pressing and clamping a work-piece against said work-positioning face at an adjustable elevation with respect to the table to present said work-piece to said cutter by the travel of said base member along said table guideway.

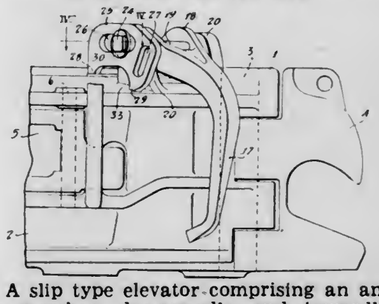


2,085,237

SLIP LOCK FOR ELEVATORS

Robert T. Todd, Houston, Tex., assignor to Byron Jackson Co., Los Angeles, Calif., a corporation of Delaware

Application May 23, 1936, Serial No. 81,443
6 Claims. (Cl. 24—263)



1. A slip type elevator comprising an annular body member, downwardly and inwardly inclined slip seats on the inner face of said member, slips slidably mounted on said slip seats for movement between upper or retracted positions and lower or set positions, and releasable holding means for preventing retraction of said slips out of set position, said holding means comprising a locking member slidably supported on said body member for movement from an outer position in which it is out of the path of movement of one of the slips into an inner position in which a portion of the member rests upon the top surface of a portion of the slip when the latter is in set position.

2,085,238

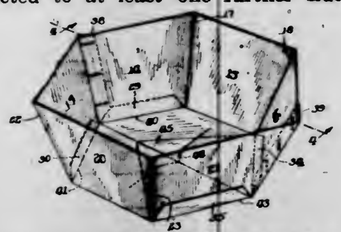
FOLDING DISPLAY CONTAINER

Oscar J. Towell, Chicago, Ill., assignor to Bunte Brothers, Chicago, Ill., a corporation of Illinois

Application November 7, 1934, Serial No. 751,802
17 Claims. (Cl. 229—41)

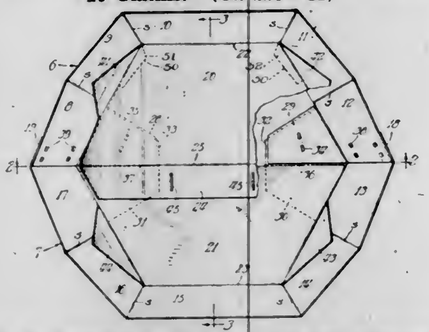
4. A container having a plurality of hingedly connected sides, a bottom hingedly connected to at least one of the sides, said bottom being pro-

vided with a hinge joint to permit the bottom to be folded between a front and rear side of the container, a plurality of reinforcing tabs hingedly connected to a plurality of additional sides of the container, and a supporting flap hingedly connected to at least one further side of the



container and positioned to underlie a portion of said bottom and the reinforcing tabs in supporting relationship when the container is expanded, said flap being provided with a centrally disposed hinge joint to permit the flap to be folded between a front and rear side of the container.

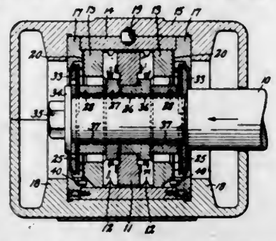
2,085,239
CONTAINER
Oscar J. Towell, Chicago, Ill., assignor to Bunte Brothers, Chicago, Ill., a corporation of Illinois
Application July 10, 1935, Serial No. 30,612
10 Claims. (Cl. 229—41)



1. A collapsible container having inter-connected inclined side walls, a bottom for the container comprising two portions each hingedly connected to opposite side walls at the lower edges of the side walls, each portion of said bottom extending substantially to the center line of the container, one of said bottom portions having an integral scored flap thereon which overlaps the free end of the first bottom portion, the said score line being substantially coextensive with the said free end, and means for connecting said flap on one portion to the other portion, said connection being restricted to central part of the bottom sections, thus leaving the lateral extremities of the connected bottom portions free to become somewhat separated.

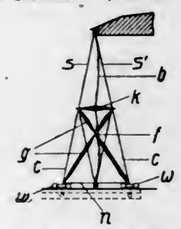
2,085,240
BEARING
August Gunnar Ferdinand Wallgren, Stockholm, and Oscar Simon Fridolf Lundh, Appelviken, Sweden, assignors to Aktiebolaget Nomy, Stockholm, Sweden, a corporation of Sweden
Application January 22, 1936, Serial No. 60,214
In Sweden January 26, 1935
25 Claims. (Cl. 308—73)

1. In a thrust bearing for a rotating shaft, a housing, a bearing member mounted for rotation with said shaft, a bearing member mounted in said housing and rotationally stationary with respect thereto, said members having cooperating bearing surfaces, and means for maintaining said surfaces parallel with each other in-



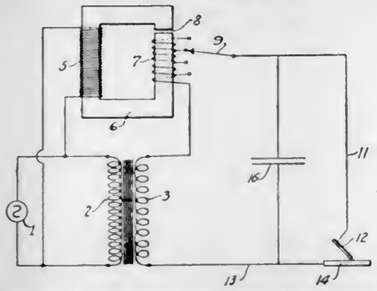
cluding a Cardan ring having diametrically opposed thrust transmitting projections for supporting one of said members, and a thrust distributing element disposed between said projection and said one of said members.

2,085,241
DOOR FOR AIRSHIP HANGARS
Franciszek Wasilkowski, Lwow, Poland
Application April 15, 1935, Serial No. 16,447
In Poland April 21, 1934
3 Claims. (Cl. 20—16)



1. A door for airship-hangars, comprising in combination: an outer ring; radial spanned tension members stiffening and compressing said ring; and a central beam for spanning said radial tension members.

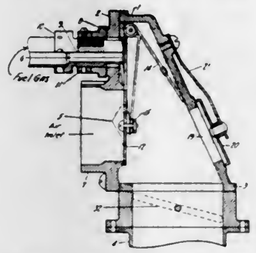
2,085,242
ARC WELDING CIRCUIT
James M. Weaver, Monroe, Mich.
Application July 2, 1936, Serial No. 88,648
3 Claims. (Cl. 219—8)



1. In an alternating current arc welding apparatus, a main transformer, a second transformer separate from said main transformer and being so constructed as to have a high reluctance and having its primary winding in parallel with the primary of said main transformer and its secondary in series with the secondary of said

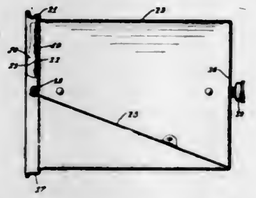
main transformer, welding electrodes connected in series with said secondaries, and a condenser in parallel with said welding electrodes.

2,085,243
GAS FUEL MIXING DEVICE
Ferdinand G. Welke, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 21, 1935, Serial No. 22,539
1 Claim. (Cl. 48—180)



In a gas fuel mixing device for an internal combustion motor, the combination of an air inlet port, a gas inlet port, a flapper valve covering said ports, a first spring holding said flapper valve in contact with said ports, a second spring tending to hold said flapper valve away from said ports whereby periodic vibration of said flapper valve is prevented.

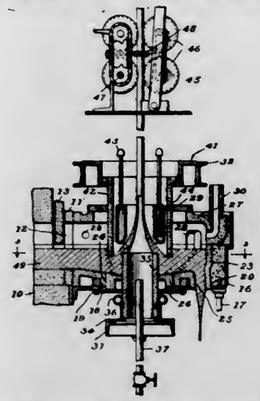
2,085,244
AIR CONDITIONER
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 30, 1934, Serial No. 737,480
6 Claims. (Cl. 21—127)



4. An air-conditioning unit for a suction cleaner comprising a container forming a chamber with impervious side walls and having an inlet end and an outlet end, a transverse perforated plate extended the length of said chamber and sloping relative to the axis of said container, the inlet end of said container being provided with an air passageway opening below said plate, the outlet end of said container being provided with an air passageway opening above said plate, and means to connect said container to a source of air flow.

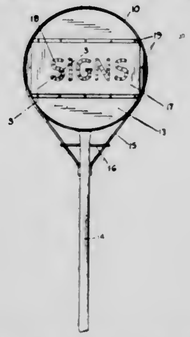
2,085,245
DRAWING GLASS
William J. Woods, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application October 22, 1930, Serial No. 490,525
7 Claims. (Cl. 49—17.1)

1. An apparatus for drawing tubing from a pool of molten glass which includes a means for preserving a selected area of the surface of said pool at a predetermined temperature and means wholly submerged below the surface of the glass



within the selected area for forming a skeleton of glass to which glass from the selected area adheres and builds up the wall of the tubing.

2,085,246
SIGN
Fuller Arnold Austin, Lincoln, Nebr.
Application December 14, 1936, Serial No. 115,750
5 Claims. (Cl. 40—145)

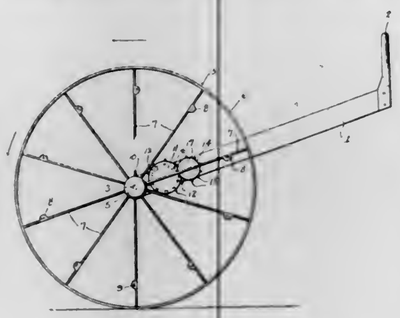


1. A sign including a sign post and a rim, said rim having a ridge on its outer periphery and said post being provided at its upper extremity with an opening for receiving and seating said ridge, said rim and said post being welded together, a pair of hairpin braces secured at their lower extremities to said post below the upper extremity thereof, the upper end portions of said hairpin braces straddling said ridge and being secured thereto.

2,085,247
MEASURING DEVICE
Edwin A. Bible, Midway, Tenn.
Application July 18, 1936, Serial No. 91,388
2 Claims. (Cl. 33—141)

1. A land measuring device of the class described comprising a bar, an upstanding handle fixed on one end portion of said bar, a spindle projecting laterally from the other end portion of said bar, a wheel rotatably mounted on the spindle, said wheel including a hub journaled on the spindle, a rim, and equi-distantly spaced radial spokes extending between said hub and said

rim, laterally projecting numbered ears on the spokes, a substantially U-shaped lug projecting from the hub, computing disks journaled on the bar, means connecting one of said disks to the



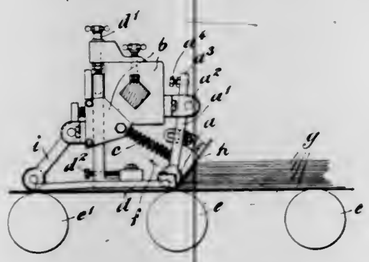
other of said disks for intermittent actuation thereby, and pegs on said other disk engageable by the lug for intermittently actuating said other disk.

2,085,248

DEVICE FOR SEPARATING CARDBOARD OR LIKE SHEETS UPON A CONVEYER

Edwin Leslie Bishop, Birmingham, England

Application March 11, 1936, Serial No. 68,165
In Great Britain March 21, 1935
3 Claims. (Cl. 271—41)



1. A device for separating sheets of cardboard or the like upon a conveyer, comprising in combination a conveyer consisting of a plurality of rollers, a spring-controlled pivotal arm mounted upon a fixture, a roller carried by said arm adapted to co-operate with one of the rollers of the conveyer, and a fixed stop disposed above the said conveyer roller and adjacent the floating roller a distance substantially equal to the thickness of the cardboard to be treated, and an inclined deflector rigidly associated with the floating roller.

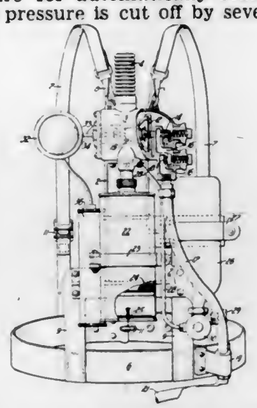
2,085,249

RESPIRATOR

Edward W. Bullard, San Francisco, Calif., assignor, by mesne assignments, to E. D. Bullard Company, San Francisco, Calif., a corporation of California

Application October 2, 1933, Serial No. 691,833
14 Claims. (Cl. 128—145)

1. A respirator comprising a breathing chamber, a canister connected to the chamber, a duct for supplying fresh air under pressure to the chamber from a remote source, and a spring pressed check valve in said air duct openable under the air pressure for automatically sealing the duct when the pressure is cut off by severance of the



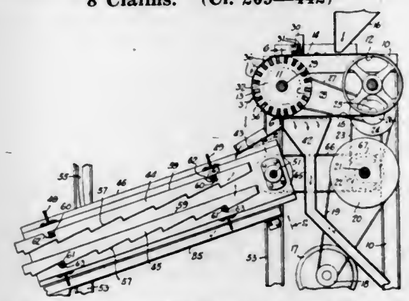
duct at a point spaced from and independent of the valve and its mounting.

2,085,250

ORE CONCENTRATOR

Roy L. Cline, Long Beach, Calif., assignor of one-third to James V. Burke and one-third to Frederick E. Cline, both of Long Beach, Calif.

Application August 2, 1935, Serial No. 34,472
8 Claims. (Cl. 209—442)



1. In an ore concentrator, a plurality of riffle boards having reticulated riffle forming bottoms; reciprocably mounted rods on which the riffle boards are supported for reciprocating movement transverse with respect to the lengths of the boards; a pair of rock shafts; arms on the rock shafts engaging said rods to reciprocate the latter when one of the shafts is actuated; and means for actuating said one of the rock shafts.

2,085,251

METHOD OF MAKING GLASSES RESISTANT TO ALKALI METAL VAPORS

Robert H. Dalton, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application November 6, 1934
Serial No. 751,792
3 Claims. (Cl. 91—70)

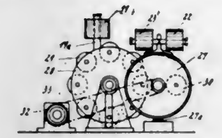
1. The method of treating glass to make it resistant to discoloration by hot alkali metal vapors, which includes wetting the surface of the glass with a solution consisting of an alkali compound and a solvent, and heating the glass to fuse the alkali compound to the glass in a homogeneously attached substantially transparent layer which is thick enough to prevent discoloration of the glass by the alkali metal vapor and then enough to resist cracking and crazing.

2,085,252

DEVICE FOR AUTOMATICALLY TRANSMITTING AND RECORDING MESSAGES

Karl Daniel, Cologne-Lindenthal, Germany

Application May 13, 1933, Serial No. 670,972
In Germany May 21, 1932
8 Claims. (Cl. 179—6)



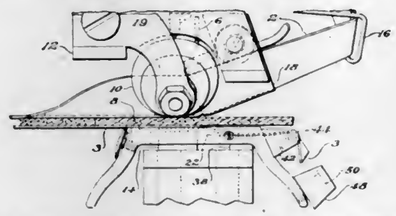
1. In a device for use in telephone systems for automatically transmitting and recording messages, the combination of: an electrically controlled transmitting phonograph cylinder; means including a sound box for enabling an initial message to be recorded on said transmitting cylinder and transmitted therefrom; a plurality of electrically controlled recording cylinders for recording and reproducing messages subsequent to the recording of the initial message; means including a sound box for reproducing messages from said recording cylinders; a cylindrical cage upon which said recording cylinders are mounted parallel to one another; rack and pinion mechanisms for turning said cage to bring the cylinder into the operative position; solenoids operatively connected with said rack and pinion mechanisms to operate the latter when current is supplied to said solenoids after a given recording cylinder has run its full course; electromagnetic apparatuses which are actuated by audio frequency currents and operate switches controlling said cylinders and said sound boxes; and sources of electricity supply for said electrically controlled elements and said electromagnetic apparatuses.

2,085,253

SEWING MACHINE

Charles E. Edwards, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application March 31, 1936, Serial No. 71,871
11 Claims. (Cl. 112—2)



1. A sewing machine for attaching adhesively coated tape to materials operated upon having, in combination, stitch forming devices, a work support, work feeding devices, guiding means for the adhesive tape comprising a fixed member engaging one edge of the tape to direct said edge close to the point of operation of the stitch forming devices, a yielding member engaging the other edge of tape to hold said first mentioned edge against the fixed guide member, and means engaging the tape periodically between the fixed and yielding members to break the adhesion between the tape and the guide.

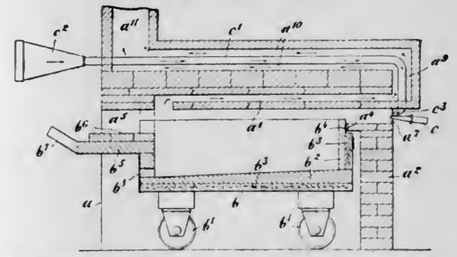
11. A sewing machine for attaching simultaneously an overedge binding strip and an adhesively coated tape to materials operated upon, having, in combination, stitch forming devices, a work support, a presser, work feeding devices acting above the level of the work engaging surface of the work support to press the adhesive tape against the materials operated upon, a guide on the presser for the binding strip, guiding means for the adhesive tape comprising a roll about the surface portion of which the tape passes and opposed confining surfaces below the level of the work engaging surface of the work support along which the adhesive tape travels from the roll towards the point of operation of the stitch forming devices, and tape freeing means engaging the adhesive tape along the confining surfaces during the feeding movement of the feeding means and acting at right angles to the length of the tape to separate and hold the tape from the confining surfaces before the portion of tape engaged reaches the level of the work engaging surface of the work support.

2,085,254

FRIT KILN

Joseph William Emery, Cobridge, England

Application September 12, 1936, Serial No. 100,444
In Great Britain February 15, 1936
1 Claim. (Cl. 263—15)



A frit kiln comprising in combination a box-like heating chamber, a truck adapted to be wheeled therein, a recess in the upper peripheral edge of the truck, a horizontal protruding flange in the upper area of the chamber co-operable with said recess, a forwardly and rearwardly extending recuperator flue system at the upper part of the chamber, an air supply pipe for supplying heated air to the burner at the rear of the chamber, and which passes longitudinally through the upper part of the recuperator flue and openings in the lower part of the wall of the chamber beneath the protruding flange for the passage of air into the lower part of said chamber.

2,085,255

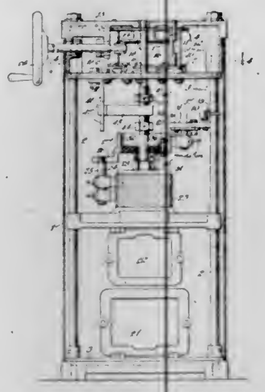
VOLTAGE REGULATOR

Andrew A. Emlen, Roselle, and Tage H. Lundgren, Irvington, N. J., assignors to American Transformer Company, Newark, N. J.

Application December 26, 1935, Serial No. 56,216
20 Claims. (Cl. 171—119)

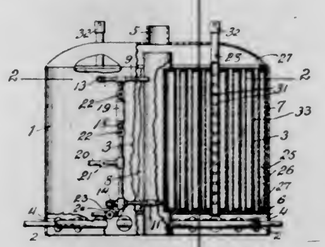
1. In a voltage regulator including; at least a pair of separate transformer windings, one having coarse taps and the other fine taps, the coarse taps from one winding being interconnected to the other winding through a pair of independently operable switches with means for operating the switches alternately in steps so the circuit between the windings, including the load circuit, is never opened, a collector of the commutator type having bars connected to the fine taps of said other winding, a brush adapted to be continuously connected to a circuit whose voltage is to be regulated, said brush being mounted for rotation around said collector,

characterized in that the electrical connections between said windings, switches and collector are such that the brush on the collector can be



rotated continuously in the same direction around the collector throughout the range of movement of said switches.

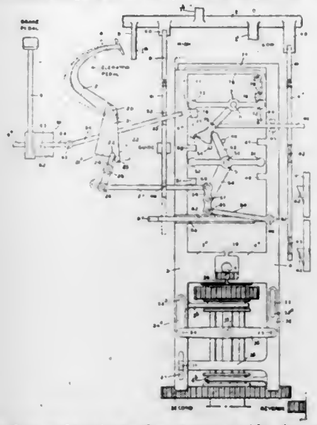
2,085,256
WATER HEATER AND METHOD OF MAKING SAME
Henning A. Feldt, Kansas City, Mo.
Application April 29, 1935, Serial No. 18,728
7 Claims. (Cl. 122—134)



1. In a water heater, a shell comprising two metal sheets disposed edge up in involute form one at the inner side of the other, a vertical closure between and fastened to said sheets at their inner ends, a vertical closure between and fastened to said sheets adjacent to the outer ends, and two involute closures disposed between and fastened to said sheets adjacent to their upper and lower edges respectively, said sheets and said closures forming a closed involute chamber adapted to hold water or steam, the involute space between the coils of said chamber forming a draft passage extending vertically through said shell, said chamber having inlet and outlet openings through the outer wall of its outermost coil.

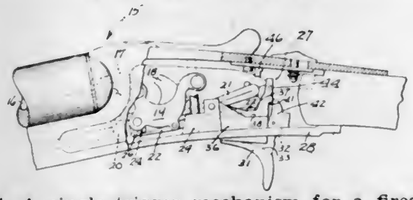
2,085,257
AUTOMOBILE GEAR SHIFT TRANSMISSION
James L. Getaz, Maryville, Tenn.
Application June 3, 1933, Serial No. 674,245
80 Claims. (Cl. 192—.01)

1. In an automobile, a gear set, means for controlling the speed of the vehicle, means for shifting said gear set from one gear ratio to another and means operated by said speed controlling



means for selecting the gear ratio to which said gear set is shifted.

2,085,258
TRIGGER MECHANISM
Peter Giovannetti, San Francisco, Calif.
Application September 1, 1936, Serial No. 98,938
4 Claims. (Cl. 42—42)

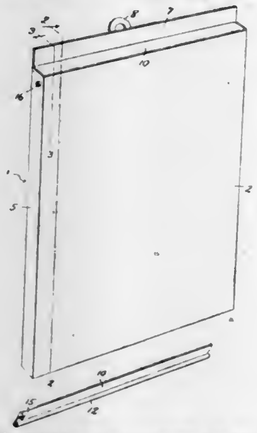


1. A single trigger mechanism for a firearm having a plurality of hammers and a sear for each hammer, comprising a trigger having a pawl mounted thereon, an actuating element movably mounted with respect to said trigger and having pawl engaging means and a plurality of vertically spaced sear engaging abutments thereon, means for moving said actuating element with respect to said trigger after actuation of said trigger for releasing one of said sears so that said pawl will engage said pawl engaging means and hold said actuating element in position to engage another sear and means for limiting movement of said trigger to prevent release of more than one sear at a time.

2,085,259
WRITING BOARD
Roy Gunning, Kokomo, Ind.
Application March 27, 1934, Serial No. 717,639
Renewed December 11, 1936
1 Claim. (Cl. 281—44)

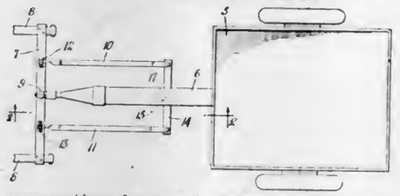
The herein described device consisting essentially of a casing including a bottom wall, a top wall forming a writing board and extended at one end beyond the adjacent end of the bottom wall to form a stop, an end wall, and side walls, said casing constituting a storage compartment open at one end and extending between the side walls and from the open end to the end wall, whereby the compartment is substantially coextensive with the top wall forming the writing board, a door journaled between the side walls

for closing the open end of the compartment and adapted when opened to bring up against said extension of the top wall, resilient means for urging the door when released toward open position and against said extension, said resilient means arranged in the compartment and immediately adjacent one side wall of the casing



and normally hidden from view by said top wall, yielding means in the compartment and immediately adjacent said side wall and normally hidden from view by said top wall for normally securing the door in closed position, and means movable through said side wall for moving said securing means and releasing the door.

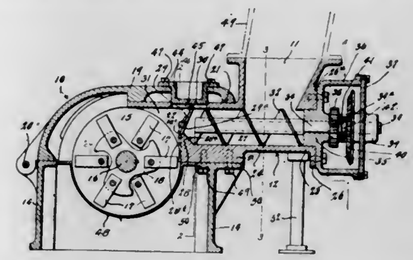
2,085,260
TRAILER COUPLING
Charles Boyd Keys, Forest Glen, Md.
Application January 8, 1936, Serial No. 58,080
1 Claim. (Cl. 280—33.44)



A connection for use between a tractor and a trailer, including a draft member rigidly secured to the trailer, a transverse member rigidly secured to the tractor, a universal connection acting between said transverse member and said draft member, a plurality of universal connecting means secured to said transverse member and spaced equally to either side of said first universal connection, spaced rearwardly extending parallel links connected to said second universal means, a transverse link pivoted about a vertical axis at its center to said draft member and at each end to one of said parallel links, and means secured to said draft member and embracing said transverse link to restrain movement of same against all but horizontal deflections.

2,085,261
PULVERIZER
Louis R. Kuhlengel, St. Louis, Mo., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo., a corporation of Missouri
Application July 14, 1934, Serial No. 735,147
6 Claims. (Cl. 83—11)

2. In a grinder of the class described, the combination of a casing having a grinding chamber and an open-ended extension, a feed trough having its forward end extending into said extension and opening into said chamber, a transverse lip formed on the bottom of said forward end of said trough and projecting upwardly a suitable distance to cause accumulation of material in said



end and to cause the discharge of said material at spaced intervals, and a closure plate pivotally mounted on said forward end and overlapping said lip and closing said end to prevent communication between said grinding chamber and said trough, said closure plate being displaceable from its closed position by the material discharged from said trough into said chamber.

2,085,262
NUT CRACKING MACHINE
Delbert La Ferney, Pine Bluff, Ark.
Application September 25, 1934, Serial No. 745,458
2 Claims. (Cl. 146—16)

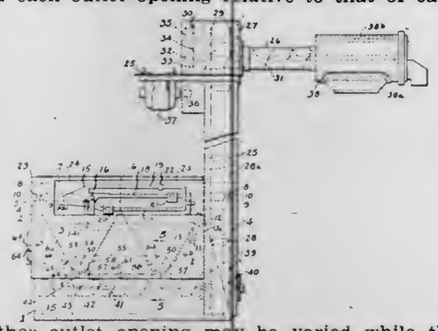


2. A nut cracking machine including a frame having a guide slot therein, a reciprocating plunger having a sliding connection with the frame, means for actuating the plunger, the plunger having a hole extending axially therethrough, a stationary extractor stud supported upon and fixed to the frame and arranged in position to enter the hole in the plunger and clear the latter of any particles of shell which may have been forced into the hole during the cracking operation, an externally threaded anvil adjustable in a threaded orifice in the frame, said anvil extending in direct alignment with the plunger and having a hole extending longitudinally therethrough, and an ejector extending into said hole in the anvil and connected with the plunger, whereby its movements are positively controlled by the plunger.

2,085,263
WEIGHING, SIFTING, AND DELIVERING APPARATUS
Edward J. Lauterbur, Sidney, Ohio, assignor to Peerless Bread Machinery Corporation, Sidney, Ohio, a corporation of Ohio
Application November 22, 1933, Serial No. 699,206
14 Claims. (Cl. 221—96)

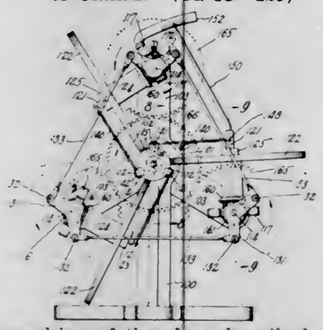
1. In combination with an apparatus for delivering a plurality of finely divided solid materials in desired proportions, comprising containers for the respective materials and means operative to convey the materials from the containers, to which the containers have respective outlet open-

ings, means by which the effective outlet capacity of each outlet opening relative to that of each



other outlet opening may be varied while the apparatus is in operation.

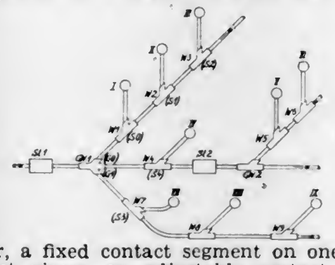
2,085,264
MEASURING MECHANISM
Harry Lyon, Brockton, Mass., assignor to Lyon-Vail Machine Company, Inc., Brockton, Mass., a corporation of Massachusetts
Application December 15, 1933, Serial No. 702,473
23 Claims. (Cl. 33—129)



1. A machine of the class described, comprising a member presenting an endless surface with successive portions of which material to be measured may contact, said member being mounted so that said endless surface may move with said material lengthwise of said material, means controlled by thickness irregularities of said material to move said member laterally of its lengthwise motion relative to such material to vary the contact between said material and surface laterally of said surface in accordance with such irregularities, and means for indicating the lengthwise travel only of said surface.

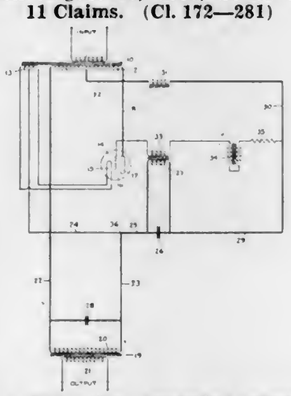
2,085,265
CONTROL STATION FOR POSTAL PNEUMATIC TUBE PLANTS
Hans Mauch and Arno Horn, Berlin-Charlottenburg, Germany, assignors to Telephon-Apparat-Fabrik E. Zwietusch & Co. G. m. b. H., Berlin-Charlottenburg, Germany
Application November 11, 1932, Serial No. 642,283
In Germany March 11, 1932
4 Claims. (Cl. 243—16)

1. Control station for pneumatic tube plants in which carrier deflectors situated behind the control station in the direction of travel of the carrier are electrically adjusted from the control station by contact segments adapted to be displaced by hand about the axis of the carrier relatively to a fixed contact segment thereon according to the desired destination station before dispatching the carrier, comprising in combination contact pins arranged in sets on the inner wall of the tube, the contact pins of each set uniformly distributed on the wall of the tube and situated in the same horizontal plane, all contact pins consecutively numbered, the contact pins of the same numeral in the different sets situated in the same vertical plane, one current feeder for each set of contact pins, all current feeders being consecutively numbered, a number of contact pieces on a carrier one for each current



feeder, a fixed contact segment on one of said contact pieces, an adjustable contact segment on each of the other contact pieces, and a switch arrangement connected with the contact pins and the current feeders for determining the angular displacement between the adjusted contact segments and the fixed contact segment on the carrier by the difference between the numerals of the contact pins at the control station engaging the adjusted contact segments of the carrier and the numeral of the contact pin at the control station engaging the fixed contact segment of the carrier.

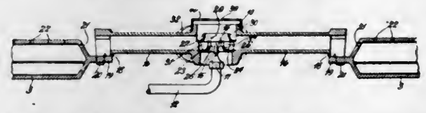
2,085,266
FREQUENCY CONVERTER
William E. Macdonald, York, Nebr.
Application August 15, 1935, Serial No. 36,302
11 Claims. (Cl. 172—281)



11. In a device for converting current of one frequency to current of a different frequency, a thermionic tube comprising a cathode, an anode and a grid, an input transformer having a primary adapted to be connected to a source of current of said first mentioned frequency and a secondary, a portion of which is connected in a circuit with said anode and said cathode, a grid circuit including said grid and said cathode, a coupling transformer comprising a primary in said first circuit and a secondary in said grid circuit, said primary having a condenser parallel therewith and of such value as to cause said condenser

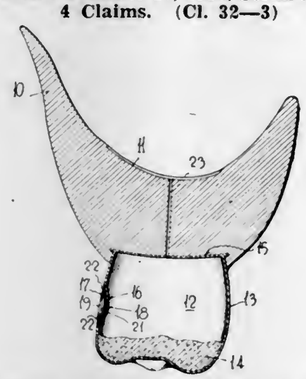
and said primary to be resonant at said second mentioned frequency, an output transformer comprising a primary connected in a circuit including the secondary of said input transformer, said anode and said cathode, and a secondary adapted to be connected to an output load.

2,085,267
IGNITION DEVICE FOR GAS BURNERS
Carl E. Methudy, St. Louis, Mo., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, a corporation of Ohio
Application February 12, 1931, Serial No. 515,150
9 Claims. (Cl. 158—115)



1. In a device of the character described, a housing having a lateral opening, a jet within said housing below the plane of the bottom of said opening, and a horizontal baffle plate intersecting said opening and having a central opening above said jet and above the normal height of the flame of the jet.

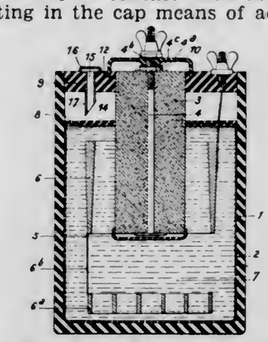
2,085,268
TOOTH
Jacinto M. Nouel C., Caracas, Venezuela
Application November 17, 1936, Serial No. 111,282
4 Claims. (Cl. 32—3)



2. A dental plate having a vacuum channel, a hollow tooth in the plate connected to the channel by a passageway and having a double wall at one exposed surface, and a flexible sheet between the double walls, there being an opening in the inner wall covered by the sheet and a hole in the outer wall covered by the sheet and another hole in the outer wall free of the sheet.

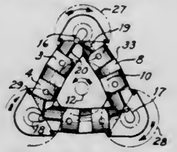
2,085,269
ALKALI PRIMARY CELL WITH DEPOLARIZATION BY AIR
René Oppenheim, Gennevilliers, France, assignor to Societe Anonyme le Carbone, Gennevilliers, (Seine) France
Application February 7, 1935, Serial No. 5,469
In France January 10, 1935
1 Claim. (Cl. 136—86)

In an alkali primary cell with depolarization by air having a plastic mass covering the electrolyte, means for closing the vessel containing the cell, a depolarizing electrode not covered by these closing means, a fluid-tight cap for protecting, before using the cell, the portion of this electrode which must be in contact with the air, means for creating in the cap means of access for the



air at the time the cell is to be used, orifices in the closing means, means for obturating these orifices before using the cell, tubes in said orifices, these tubes having their lower part cut on a bevel so that they cannot be obturated by the material covering the electrolyte.

2,085,270
PISTON ENGINE
John Pavlecka, Detroit, Mich.
Application November 22, 1933, Serial No. 699,192
35 Claims. (Cl. 123—51)

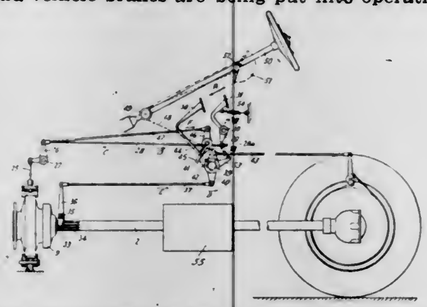


5. A piston engine comprising, three tubular power units having intersecting axes in one plane, any number of like power units in like planes side by side, said power units having intake and exhaust ports therein, two pistons in each of said power units controlling said ports, three crankshafts disposed apiece at the intersections of said axes and having each a crank in the plane of said power units, each crank having two pistons, one from each two associated power units, operatively journalled thereto, three driving gears mounted apiece at one end of said crankshafts, a driven gear supported on a central shaft, said driving gears engaging with said driven gear and being timed thereby so as to make said pistons in each power unit reciprocate in opposite directions throughout a major portion of their stroke, and an induction manifold disposed between said power units and connecting to said intake ports therein, said manifold having an entrance at the end opposite said gears.

2,085,271
VEHICLE CONTROL MECHANISM
Ernst Pflüger, Vaduz, Liechtenstein
Application October 5, 1934, Serial No. 746,987
In Switzerland October 4, 1933
3 Claims. (Cl. 192—.01)

1. A centrifugal coupling for use on motor vehicles, comprising in combination: an overrunning clutch adapted to be locked at will; a coupling brake operating in combination with said overrunning clutch, vehicle brakes; and inter-

connected means for actuating said overrunning clutch, said coupling brake and said vehicle brakes respectively in such manner that when said vehicle brakes are being put into operation,



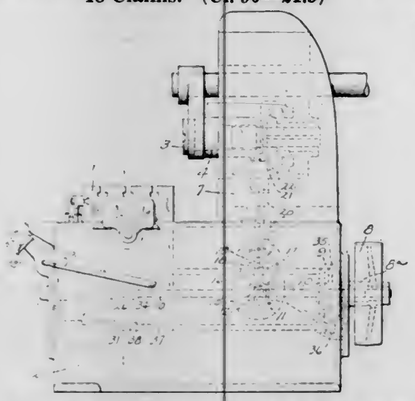
said overrunning clutch is first locked and the engine is coupled to the vehicle wheels, whilst at the same time the coupling brake is opened, whereupon the vehicle brakes come into operation.

2,085,272

TRANSMISSION AND CONTROL MECHANISM

Walter Pohl, Detroit, Mich., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application July 22, 1935, Serial No. 32,541
18 Claims. (Cl. 90—21.5)



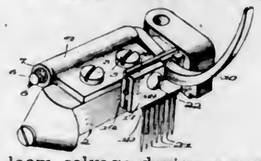
18. In a milling machine having a frame, a toothed cutter rotatably carried by said frame, and a reciprocatory work supporting table slidably carried by said frame in position to execute work feeding movements in cooperating relation with said cutter; the combination with means arranged to rotate said cutter in engagement with a workpiece fixed on said table in manner to exert on said work piece pulsating forces acting in direction to urge said table in the direction of its feeding movement; of a hydraulic actuating system for said work table comprising a hydraulic motor disposed to advance said table in feeding direction, regulatable means connected to supply pressure liquid to said motor at selected predetermined rate to control the rate of feeding movement of said table, a back pressure valve apparatus connected to receive exhaust liquid from said motor and operating in accordance with the pressure of the liquid being supplied to said motor to maintain back pressure on said motor in inverse relation to the pressure of the supplied liquid to thereby prevent overrunning of said table under the influence of the forces exerted thereon by said cutter, and a damping device associated with said back pressure valve and operative to damp vibrations thereof resulting from the force pulsations exerted by said cutter to thereby prevent vibration of said table and obviate chattering of said cutter in operating upon the workpiece.

2,085,273

LOOM SELVAGE DEVICE

George E. Repass, Jasper, Ala., assignor to himself as trustee for himself, and Lloyd H. Rice, Birmingham, Ala.

Application October 19, 1935, Serial No. 45,817
6 Claims. (Cl. 139—195)



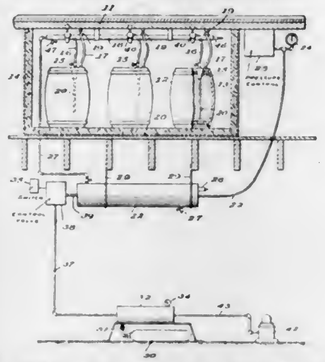
1. In a loom selvage device, a support having a contact arm pivoted thereto, a holder carried directly by said arm and having a transverse guideway, and a loop retainer mounted on said guideway and adjustable transversely of the holder.

2,085,274

BEVERAGE DISPENSING SYSTEM

Harry R. Rutt and George A. Rutt, Delawanna, N. J.

Application December 28, 1935, Serial No. 56,575
1 Claim. (Cl. 225—17)



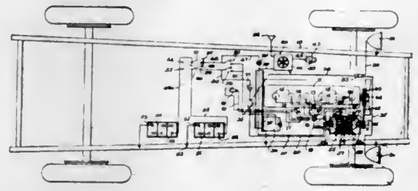
In a system for dispensing brew beverages, the combination of a bar including a refrigerating cabinet for receiving a plurality of closed beverage containers; a header supported in the upper portion of said cabinet; a gas tank connected to said header; a second gas tank; means for connecting the second mentioned tank to a source of gas under high pressure; a conduit connecting said tanks for conducting the gas from the second mentioned tank to the first mentioned tank; means for controlling the flow of gas through said conduit and materially reducing the pressure thereof and including a pressure responsive device arranged adjacent to said bar and connected to said first mentioned tank; a magnetic valve in said conduit and electric connections leading from said device to said valve; and a plurality of short tubes connected to said header and adapted to transmit the gas therefrom to the beverage containers in said cabinet.

2,085,275

AUTOMOBILE CURRENT SUPPLY SYSTEM

Charles B. Schmidt, Buffalo, N. Y.

Application May 14, 1935, Serial No. 21,393
1 Claim. (Cl. 290—36)



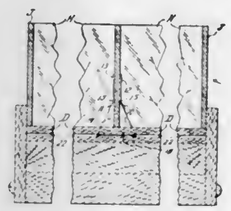
In an electric current supply system for the engine and associated electrical devices of an automobile, said system having a primary circuit for supplying power to those devices essential to the operation of the automobile and including a starting motor for said engine and a secondary circuit for supplying power to those of said devices which are intended to add to the comfort of the occupants of the automobile, the combination of a main battery for supplying power to the devices included in said primary circuit, an auxiliary battery for supplying power to the devices included in said secondary circuit, means for connecting said starting motor to either of said batteries, a common generator for charging said batteries, said generator having a shaft which is driven by said engine, an armature carried by said shaft and being divided into primary and secondary sections, a set of field coils associated with each of said armature sections, means for utilizing substantially all of the current generated by the movement of the primary armature section for charging said main battery, means for utilizing substantially all of the current generated by the movement of the secondary armature section for charging said auxiliary battery and means whereby said generator may be adjusted so that the charging rate of each battery may be varied independently of the other and in accordance with the load represented by the electrical devices of the associated circuit.

2,085,276

STORE DISPLAY FIXTURE

Abraham Skler, Los Angeles, Calif.

Application May 22, 1934, Serial No. 726,878
5 Claims. (Cl. 312—140)



1. In a sliding support for partitions, the combination of a support plate having a channel at one end thereof for reception of a partition edge, a slide portion at the opposite end of said plate adapted to work in a groove, said groove being perpendicular to the surface in which it is formed and said slide being bent along its length to extend across the groove width.

2,085,277

GLASS CLOSURE FOR METAL CONTAINERS

Rowland D. Smith, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Original application February 11, 1935, Serial No. 6,066. Divided and this application November 21, 1935, Serial No. 50,959
2 Claims. (Cl. 220—82)



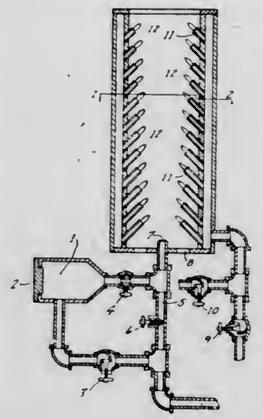
1. An end closure for a metal container, said end closure having a central opening therethrough and having a vertical wall and a horizontal supporting seat surrounding said opening and formed integral therewith, a glass panel having a beveled periphery and a metal rim fused thereto and forming an integral part thereof, said glass panel and rim being dimensioned so that said panel may be placed on said seat, and a solder bond filling the space between the panel and the vertical wall of the end closure and extending over the bevel to form a wedge shaped fillet between the bevel and the vertical wall and to connect said panel hermetically to the closure end against high pressure on each side of the panel, said horizontal seat being disposed at one end of the vertical wall thereby forming a recess for housing the glass panel so that the outer face of the glass panel is substantially within a plane containing the closure end.

2,085,278

MEANS FOR APPLYING VITREOUS ENAMEL

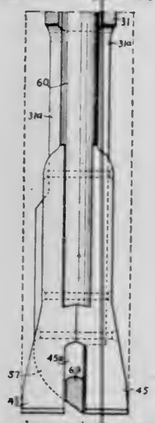
Gordon L. Strubler, Chicago, Ill., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application February 9, 1933, Serial No. 656,021
2 Claims. (Cl. 91—12.2)



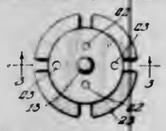
1. Apparatus for coating a surface with vitreous material, comprising, an elongated casing with one end open and unobstructed, fluid pressure means for projecting finely divided fusible vitreous material through said casing and out through said open end, and multiple flame projecting means in the casing and along the length thereof so directed as to heat said material and float the same to keep said material away from the walls of the casing while passing therethrough.

2,085,279
ROTARY RECIPROCATING WELL DRILL
Otto R. Tautenhahn, Wichita Falls, Tex.
Application January 10, 1935, Serial No. 1,220
14 Claims. (Cl. 255—4)



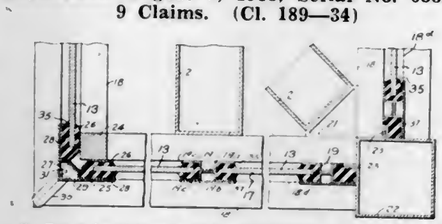
1. A drill of the character specified comprising a rotary cutter, a shank comprising sections having a limited longitudinal play, an auxiliary cutter carried by the lower shank section, and a fluid motor mounted on the rotary cutter and connected with the upper shank section to impart a reciprocatory movement thereto, the parts being arranged to admit of the auxiliary cutter receiving a simultaneous rotary reciprocatory movement and a limited longitudinal play to allow for a jarring action.

2,085,280
VALVE SEAT GRINDER
Merle D. Tyler, Chicago, Ill.
Application November 1, 1934, Serial No. 750,963
3 Claims. (Cl. 51—185)



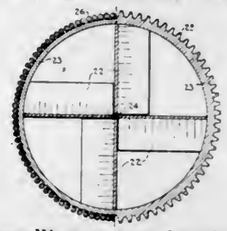
1. In a tool for grinding valve seats, the combination of a supporting body having a substantially frusto-conical backing surface, said body being formed with a plurality of radially and inwardly extending slots, each of said slots extending substantially in the direction of an element of said frusto-conical surface located at said slot, a flat annulus of flexible abrasive material carried by said body in engagement with said backing surface, said annulus having its slack taken up by extending into said slots, and a relatively stiff yet resilient metal member centered on said body outside said annulus and having a plurality of legs, each of said legs extending into one of said slots, and forcing said slack abrasive into said slots, said legs holding said annulus taut against said frusto-conical surface by virtue of the resiliency of said legs, which are adapted to be flexed to maintain a predetermined tension on said abrasive, said body having a threaded bore, a pilot member having a reduced threaded section adapted to be threaded home in said bore, said metal member having an aperture receiving said reduced threaded section, and said pilot having a shoulder engaging said metal member to clamp said metal member against said body when said legs are placed under tension.

2,085,281
METAL BUILDING STRUCTURE AND METHOD OF ASSEMBLING THE SAME
Earl B. Wagoner, Lakewood, Ohio, assignor, by mesne assignments, to R. H. Jamison
Application August 1, 1933, Serial No. 683,181
9 Claims. (Cl. 189—34)



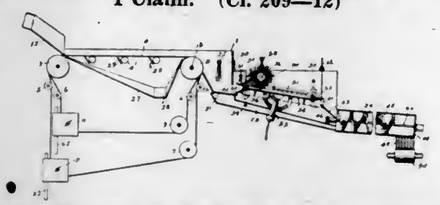
8. In a building wall structure, a pair of fixed, spaced framing members, each being of generally channel shape to provide spaced flanges, a cover plate for each of said members bridging said flanges, said cover plates having depressions therein facing each other, one or more panels having their edges disposed in said depressions, and a plastic sealing material disposed in said depressions to surround said disposed edges.

2,085,282
WATER WHEEL AND PROPELLER
William Waterval, New York, N. Y., assignor of one-fourth to Axel Paulsen, Brooklyn, N. Y.
Application May 21, 1935, Serial No. 22,521
2 Claims. (Cl. 170—168)



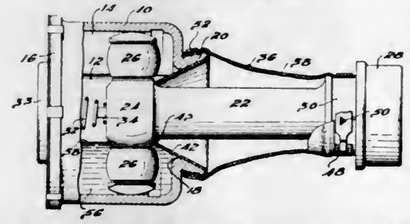
1. In a propelling system for ships, a waterwheel comprising four substantially rectangular-shaped blades mounted in an annular rotatable member, said blades being arranged at an angle to one another and having their inner ends connected at one point, the outer ends of said blades being securely attached to the inner periphery of said annular member.

2,085,283
APPARATUS FOR CLEANING AND CONDITIONING GRAVEL
James A. Webb, Portland, Tex.
Application December 22, 1931, Serial No. 582,527
1 Claim. (Cl. 209—12)



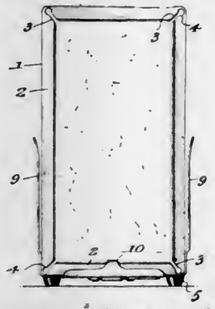
A machine for screening and conditioning gravel and the like including a screen, means for supporting the screen, means for advancing the screen, a platform arranged to receive and conduct the material delivered from the screen, a conveyor having a rotatable brush therein arranged to receive the material from said platform, means for delivering a washing fluid onto the moving material and a chute for collecting said washing fluid and for delivering the same into said conveyor.

2,085,284
DUST COVER
Hans Wollner, Detroit, Mich., assignor to Universal Products Company, Inc., Dearborn, Mich., a corporation of Delaware
Application May 25, 1936, Serial No. 81,633
4 Claims. (Cl. 64—32)



1. As an article of manufacture a non-metallic boot for a universal joint comprising an elongated, substantially frusto-conical flexible body member, and an additional substantially frusto-conical relatively stiff member having a portion at its base engaging the base of said body member, the longitudinal axis of said members being normally in alignment, and said members converging toward said axis in oppositely extending directions.

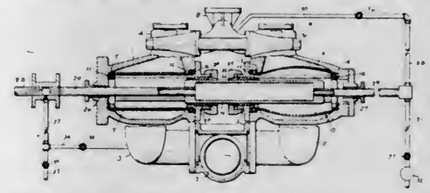
2,085,285
CARD DISPLAY DEVICE
Evangelos Zakos, Brooklyn, N. Y., assignor to Zakos Menu Holder & Napkin Holder, Inc., New York, N. Y., a corporation
Application September 11, 1936, Serial No. 100,375
2 Claims. (Cl. 40—11)



2. In combination with a napkin dispensing case having edge flanges, a card holder comprising a body portion, card holding fingers rising therefrom adjacent the face of the dispensing case, means to engage an edge flange, a bail pivoted on the body and having a U-shaped extension and a finger piece, and a latch pivoted on the U-shaped extension at one end and terminating in a hook adapted to engage the opposite edge flange of the napkin dispensing case.

2,085,286
PUMP
James S. Abercrombie, Houston, Tex., assignor, by mesne assignments, to Abercrombie Pump Company, Houston, Tex., a corporation of Texas
Application May 14, 1934, Serial No. 725,544
8 Claims. (Cl. 103—44)

1. A pump having a pair of barrels; inlet and outlet means for said barrels; a hollow expansible pumping member in each of said barrels; pumping fluid in said members; piston packings in said barrels; a piston extending through and reciprocable in said packings to actuate said pumping fluid to effect the expansion and contraction of said members to draw pumped fluid into said barrels through said inlet means, and to expel it from said barrels through said outlet means; rod

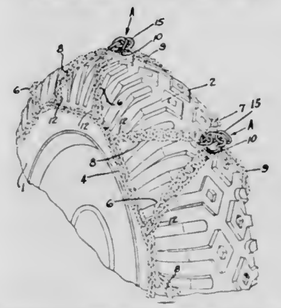


packings in said barrels; and a rod connected to each end of said piston and extending through one of said rod packings to the exterior of said pump; said piston and rods being hollow and communicating with said inlet means and outlet means so that a portion of the pumped fluid discharged through said outlet means will pass through said piston and rods and into said inlet means.

2,085,287
AMPLIFIED DISTILLATION
James R. Bailey, Austin, Tex., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application April 8, 1935, Serial No. 15,289
17 Claims. (Cl. 202—41)

1. A process for resolving a complex narrow boiling range primary substance into sharply cut fractions comprising adding to said primary substance a chemically dissimilar secondary extraneous liquid carrier capable of separation from said primary substance and having a boiling point range greater than that of said primary substance, distilling the resulting mixture of primary and secondary liquid substances, separating said mixture into cuts having boiling point ranges narrower than boiling point range of said primary substance and separating said carrier liquid from said cuts.

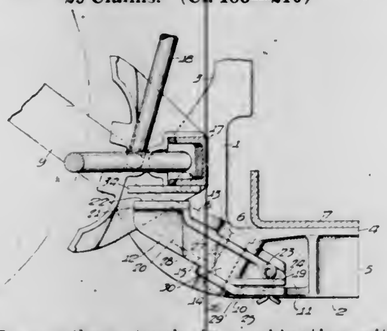
2,085,288
TIRE CHAIN
Dominic C. Bambenek and Peter Worner, Winona, Minn., assignors to Peerless Chain Company, Winona, Minn., a corporation of Minnesota
Application September 30, 1936, Serial No. 103,346
10 Claims. (Cl. 152—14)



1. A traction increasing device for wheels, having flexible traction increasing cross elements

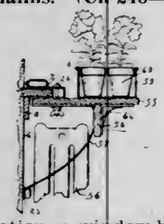
said cross elements having flexible means associated therewith in bunched but loose self-cleaning relation, to form prominent outstand-knob-like projections which act to substantially increase the tractive ability of the cross elements when the device is in use.

2,085,289
RAILWAY TRUCK
Starley F. Beasley, Tulsa, Okla., assignor, by mesne assignments, to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1932, Serial No. 614,570
29 Claims. (Cl. 188—210)



1. In a railway truck, in combination with a truck side frame, a brake beam, a safety bar normally underlying said beam for supporting the same upon failure of the usual supporting means, and means pivotally connecting said bar to said frame so as to adapt the former to be swung out of the way to allow for application or removal of said beam.

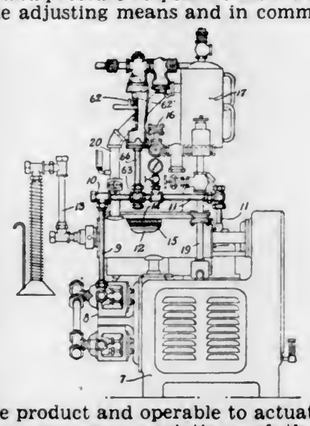
2,085,290
WINDOW BOX AND HANGER THEREFOR
James Daniel Black and George Frederick Meyer, Tampa, Fla.
Application February 17, 1936, Serial No. 64,292
6 Claims. (Cl. 248—208)



1. In combination, a window box and a hanger therefor, the hanger consisting of a strip of metal bent to form clamping jaws adapted to receive a sill, and also bent to receive a portion of the window box, and a clamp bolt engaging the hanger to force the clamping jaws toward each other and to force the said window box portion into engagement with the hanger to cause it to clamp upon the sill.

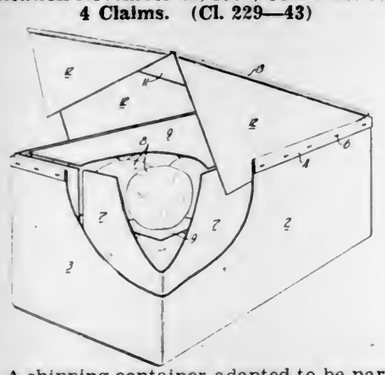
2,085,291
SAFETY DEVICE FOR ICE CREAM FREEZERS AND THE LIKE
Arthur H. Boileau, Cedar Rapids, Iowa, assignor to Cherry-Burrell Corporation, Cedar Rapids, Iowa, a corporation of Delaware
Application February 2, 1935, Serial No. 4,641
18 Claims. (Cl. 62—114)

1. A safety device for use with a machine through which a product to be frozen is forced under pressure and having means for maintaining a predetermined freezing temperature, means for adjusting the temperature maintaining means, and pressure responsive means associated with the adjusting means and in communication



with the product and operable to actuate the adjusting means upon variations of the product back pressure to adjust the temperature maintaining means and vary the freezing temperature.

2,085,292
CONTAINER
Eddie Martin Bourland, Puyallup, Wash., assignor to Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware
Application November 28, 1934, Serial No. 755,143
4 Claims. (Cl. 229—43)



1. A shipping container adapted to be partially opened for inspection without damaging the container, comprising an outer receptacle having side and end walls, a strip secured along the upper outer edges of said walls, a liner having walls adapted to be pressed outwardly against the receptacle walls by the contents of the container, and a cover having downwardly extending locking tabs frictionally held between said walls but free to be withdrawn to open the cover for inspecting the contents of the container, one of the tabs being hingably connected to the cover to provide a hinge mounting for opening the cover.

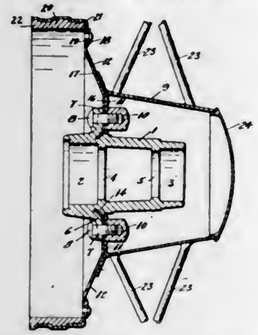
2,085,293
SMOKER'S ARTICLE
Hildegarde M. Buffington, Arlington, Va.
Application May 27, 1936, Serial No. 82,113
2 Claims. (Cl. 131—52)

2. A cigarette comprising a tubular butt portion and a filter comprising a plug of viscose sponge filling said butt portion cross-sectionally, said plug being of a length and volume and having pores uniformly throughout of such size as to afford an effective filter for objectionable smoke constituents, the size of the pores also



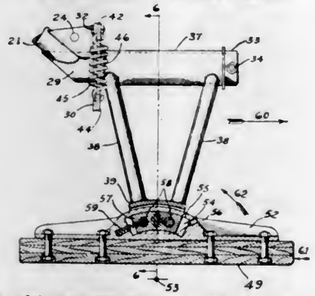
being such as to allow the necessary draft, said plug also possessing permanent resiliency accompanied by such rigidity as to be unaffected by the smoking of the article and to constantly maintain its cross-sectional filter relation in said tubular butt portion.

2,085,294
VEHICLE WHEEL
Donald J. Campbell, Spring Lake, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan
Application January 14, 1935, Serial No. 1,733
4 Claims. (Cl. 301—6)



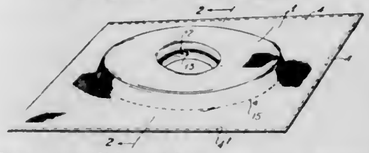
1. A vehicle wheel structure comprising as a portion of its elements a braking band consisting of an annular cast metal braking member and a wrought metal shell surrounding the periphery of said braking band and having at one of its sides an inwardly extending flange, a supporting back secured to said inwardly extending flange, the said supporting back provided with an axial opening having inwardly extending bent projections and a hub cast through said opening and onto said projections.

2,085,295
SKI MECHANISM FOR AIRCRAFT OR OTHER VEHICLES
Harris S. Campbell, Willow Grove, Pa.
Application October 3, 1934, Serial No. 746,660
14 Claims. (Cl. 244—108)



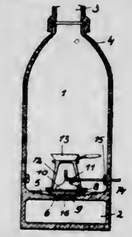
9. In a ski construction, a ski shoe, a supporting structure, a connection between said ski shoe and said structure providing for relative movement therebetween about a longitudinal axis, located slightly below the bottom surface of said ski shoe, said connection incorporating a fitting having an arc shaped slot whose center lies on said axis.

2,085,296
INVALID CUSHION
Gertrude Carey, Cleveland, Ohio
Application January 25, 1936, Serial No. 60,839
2 Claims. (Cl. 5—327)



1. In an invalid cushion, two cloth sheets that are annularly stitched together materially inwardly from opposite margins to provide a pocket for padding, said margins enabling the cushion to be fastened to the bed clothing, registering openings in the two sheets within the annular stitching for affording an entrance to the pocket, and a sliding fastener associated with the registering edges of the sheets at said openings for closing the pocket.

2,085,297
DISCHARGING DEVICE FOR GASES AND VAPORS
Gottfried Deibel, Dresden, Germany
Application March 20, 1936, Serial No. 69,768
In Germany August 3, 1935
3 Claims. (Cl. 23—259)



1. A device for discharging and precipitating troublesome and noxious gases and vapors developing during digestion and boiling in laboratories and workrooms, comprising a hood of acid-proof material, said hood having a centrally apertured funnel-like bottom wall fastened to the side walls of said hood in such manner as to form a complete enclosure, a fume discharge pipe connected with said hood, a box-like stand so fastened beneath said hood as to support said hood, a collecting vessel slidably arranged in said stand beneath said central aperture in such position as to collect condensate forming on the inner walls of said hood and discharging through said central aperture, said stand and collecting vessel being so arranged as to together form a complete enclosure beneath said central aperture, and a support adapted to carry such materials and apparatus as are commonly used in laboratory hoods, said support resting on the bottom wall of said hood and having a member removably inserted in and snugly fitting said central aperture, said support and member being grooved in such manner as to provide at least one complete passageway for condensate flowing along said bottom wall and discharging through said central aperture.

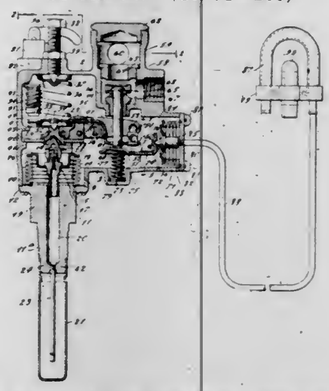
2,085,298
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Arthur F. Wirtel, Kirkwood, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application September 18, 1936, Serial No. 101,433
8 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising an alkylamino propanol salt of an alkylated naphthalene sulfonic acid, in which at least one alkyl group substituted in the naphthalene nucleus contains at least three carbon atoms and not more than ten carbon atoms.

2,085,299
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Arthur F. Wirtel, Kirkwood, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application September 18, 1936, Serial No. 101,434
6 Claims. (Cl. 196—4)

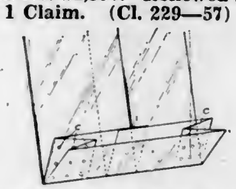
1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a hydroxy-alkyl-alkylamine salt of an alkylated naphthalene sulfonic acid, in which at least one alkyl group substituted in the naphthalene nucleus contains at least three carbon atoms and not more than ten carbon atoms.

2,085,300
CONTROL DEVICE
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application July 8, 1932, Serial No. 621,383
24 Claims. (Cl. 74—100)



1. A device of the character described, comprising a controlling means, a lever having a fulcrum support, said lever having a flexible arm portion movable transversely to the plane of movement of said lever on said fulcrum, resilient means operatively connecting said arm portion and said controlling means and holding said arm portion under tension, means movable by said lever and acting on movement to transmit the force exerted by said tensioned arm portion to said controlling means, power means operable to move said lever, and yieldable means resisting said power means.

2,085,301
UTILIZATION OF CELLULOSIC FILMS, SHEETS, AND THE LIKE
John M. Driver, New York, N. Y.
Original application March 22, 1933, Serial No. 662,178. Divided and this application May 14, 1935, Serial No. 21,397. Renewed May 24, 1937
1 Claim. (Cl. 229—57)

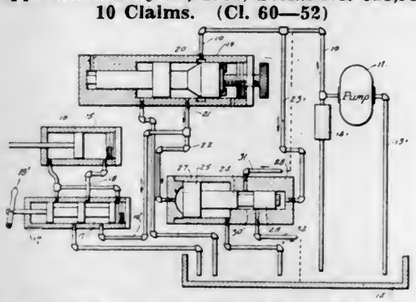


As an article of manufacture, a bag of cellulosic material—"cellophane" and the like—having bellows-folded sides; said bag having a bottom formed by folding an end of the blank from which such bag is made and securing such folded end to one outer flat portion of said blank, and means for connecting together the bellows-folded portions at the corners of the bag closure comprising apertures in the bellows folds; and adhesive securing said bellows-folded portions together through said apertures.

2,085,302
METAL FOUNDING
Marvin W. Dundore, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
No Drawing. Application January 28, 1929, Serial No. 335,750
6 Claims. (Cl. 22—188)

6. The method of making a core for metal casting consisting in mixing about fifteen parts of sand with about one part of a binder including a solvent and a thermoprene, forming a core of such mixture, and heating the core to a temperature sufficient to convert the thermopastic residue to a product melting at a higher temperature.

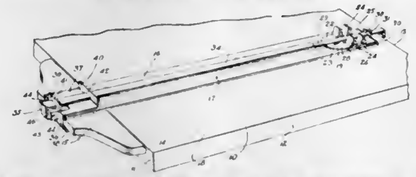
2,085,303
HYDRAULIC CIRCUIT CONTROL MECHANISM
Hans Ernst, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application May 27, 1932, Serial No. 613,934
10 Claims. (Cl. 60—52)



3. An hydraulic circuit comprising a first channel, a pump for delivering fluid to the channel, a fluid operable device connected to said channel

for movement through a predetermined stroke, a second flow channel having a valve therein movable between a first and second position, fluid operable means for automatically shifting said valve at the completion of a stroke of said fluid operable device, including a pair of opposed piston members operatively connected to the valve, means to supply operating fluid to said members from two different points in the first channel, and fluid resistance means located in the channel between said points and responsive to stoppage of flow to said device for causing an unbalancing of the total pressure on said pistons to shift said valve.

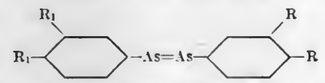
2,085,304
DRAWING BOARD ATTACHMENT
Fred Farrell, Chicago, Ill.
Application August 28, 1935, Serial No. 38,228
10 Claims. (Cl. 33—80)



1. In a device of the character described, the combination with a T-square, of means detachably associated with both ends of said T-square to engage opposite edges of a drawing board, extensible means between said edge engaging means, resilient means interposed between said T-square and said edge engaging means to frictionally hold said T-square in contact with the opposite edges of a drawing board, and means associated with the head of said T-square for releasing said edge engaging means against the normal urge of said spring means.

2,085,305
ARSENOBENZENE-MONO-SULPHOXYLATES
Alfred Fehrle, Bad Soden-in-the-Taunus, Germany, Karl Streitwolf, deceased, late of Frankfort-on-the-Main, Germany, by Frieda Streitwolf, Frankfort-on-the-Main, Germany, administratrix, and Paul Fritzsche, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 25, 1935, Serial No. 8,212. In Germany March 10, 1934
5 Claims. (Cl. 260—15)

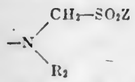
1. The products of the following general formula:



wherein one R stands for hydroxyl, the other R for the group



X and Y being alkyl radicals containing at least one hydroxy group, one R_1 stands for hydroxyl, the other R_1 for the group



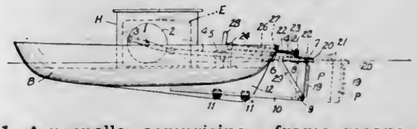
R_2 being a member of the group consisting of alkyl and hydroxyalkyl and Z being an alkali metal, said products being readily soluble in water and showing valuable therapeutic properties.

2,085,306
COOKING UTENSIL
Robert G. Fishel, Evanston, Ill.
Application November 12, 1936, Serial No. 110,427
5 Claims. (Cl. 53—5)



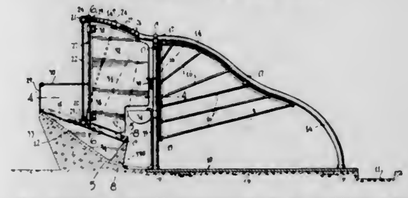
1. A cooking utensil of the character described, comprising a body member having relatively shallow upstanding sidewalls at the perimeter thereof, said body having its mid-portion projecting outwardly to present a convex cylindrical supporting surface upon which slices of bacon or the like may be placed, and a reticulated cover hingedly mounted upon said body and conforming in contour with said supporting surface adapted to be swung into overlying relationship with respect to said surface.

2,085,307
PROPELLER
Bernard C. Freise, St. Louis County, Mo.
Application July 2, 1936, Serial No. 88,538
2 Claims. (Cl. 115—33)



1. A propeller comprising a frame, means connected therewith for imparting reciprocating motion thereto, a second frame mounted for rotation within the first mentioned frame, a plurality of propeller blades pivotally mounted in overlapping relation within the second frame for oscillation therein, and means for confining the oscillations of the blades within an angle of 90 degrees.

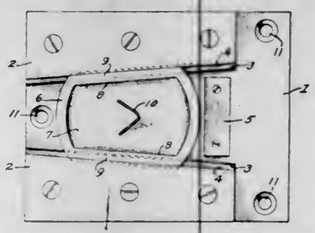
2,085,308
ANIMAL STALL
Ebenhard S. Gandrud, Pipestone, Minn.
Application April 4, 1935, Serial No. 14,591
11 Claims. (Cl. 119—27)



1. An animal stall comprising partition structures combined with a feed trough at the front portion thereof, and a barred panel extended transversely and upwardly above the intermediate portion of said trough, said parts being arranged to form a plurality of adjacent stalls in front of which said trough is extended, water receptacles located adjacent certain of said partition structures, and upright guard plates substantially aligned with the partition structures and located over the rear portions of said trough, said guard plates being mounted for limited lateral movements, and stop means for limiting the lateral movements of said guard plates so that

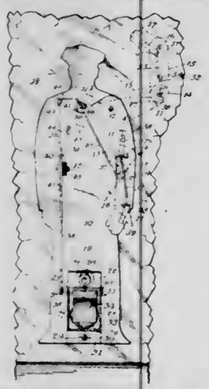
said plates can be moved to permit either of two animals in adjacent stalls to drink from the same water receptacle, but will prevent the adjacent animals from drinking at the same time, said guard plates serving further to prevent adjacent animals from eating out of the same trough section.

2,085,309
IDENTIFICATION DEVICE
George E. Gaus, Washington, D. C., dedicated to the free use of the Public
Application January 28, 1935, Serial No. 3,815
2 Claims. (Cl. 100—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



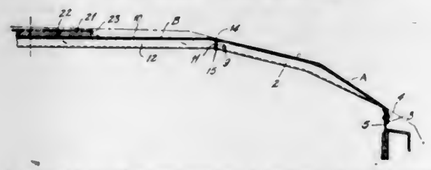
1. An identification device consisting of a tag holder, comprising wedge-formed jaw members having oppositely disposed grooves inwardly dovetailed from the upper edges and contiguous with outwardly tapered converging jaw cheeks, adapted to be interiorly affixed to a pressing platen of a baler, a nail-like identification tag having a yielding head formed with tongue portions for engagement within said grooves and flanged walls of lesser depth than and for engagement with said cheeks, said jaw members adapted to receive laterally and interlock the head of the nail-like identification tag and secure said tag during engagement of the tag with the material to be baled as the same is being formed into a bale, and adapted to ultimately permit the release of the tag from said holder upon completion of the normal process of baling.

2,085,310
SIGNAL DEVICE FOR AUTOMOBILES
Charles E. Gillin, Brooklyn, N. Y.
Application September 2, 1936, Serial No. 99,008
6 Claims. (Cl. 116—52)



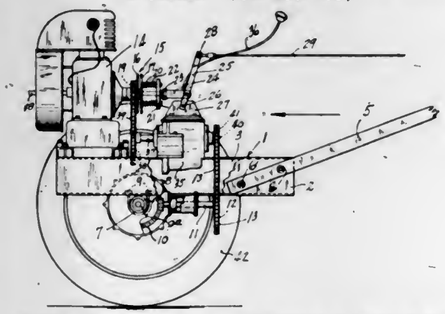
5. A signal for automobiles comprising a human figure fixed at the rear window thereof; a jointed arm pivoted to the right arm corner portion of said figure; motive means supported by said figure; connections between a powered part of the motive means and said arm whereby it may be raised to the signalling position when the momentum of the car is decreased; and a counterweight carried on one of said connections for holding the arm in said signalling position as desired.

2,085,311
CAR ROOF
Garth G. Gilpin, Riverside, Ill., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application September 17, 1936, Serial No. 101,215
11 Claims. (Cl. 108—5.4)



1. A car roof comprising a series of roof sheets secured together at their sides by transverse seams and secured to the substructure at the eaves, and an intermediate series of sheets secured together by transverse seams and secured to the adjacent side sheets by longitudinal seams, said sheets having downturned flanges along their adjacent longitudinal margins, and separate carline members substantially coextensive with the respective sheets disposed transversely of the car and welded to the respective sheets and to the downturned longitudinal flanges thereof.

2,085,312
TRACTOR
James N. Gourley, Portland, Oreg., assignor to Kultor King Incorporated, Portland, Oreg.
Application July 29, 1935, Serial No. 33,690
1 Claim. (Cl. 180—19)



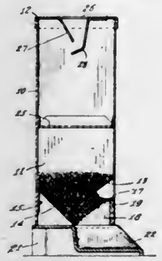
A two-wheel tractor comprising a pair of traction wheels operatively interconnected by an axle driven through a differential disposed centrally of the axle, said axle and differential being disposed within housings, an elongated frame superimposed upon the axle housing and secured substantially at its center to said housing, a pair of operating handles secured to and extending outwardly from one end of said frame whereby the frame and its related parts may be rocked about the axle, an engine and selectively operable geared power transmission means operatively interconnected and mounted upon the frame, a clutch interposed between said engine and one end of said transmission means, a sprocket wheel operatively engaged with the opposite end of the power transmission means, a sprocket wheel operatively engaged with said differential and disposed below said frame, and a sprocket chain operatively embracing both of said sprockets.

2,085,313
METHOD OF FORMING HOLLOW VESSELS
Robert G. Guthrie, Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation
Application January 15, 1935, Serial No. 1,918
12 Claims. (Cl. 113—112)



1. The method of forming hollow vessels by joining a plurality of parts, which comprises assembling the parts in vessel-forming position, heating the same to develop a solution at and between adjacently arranged portions thereof whereby to integrate the parts at said portions, while simultaneously evaporating a medium within said hollow vessel to produce an atmosphere therein at a pressure greater than that prevailing outside of the hollow vessel, said atmosphere being adapted to inhibit oxidation of the material of said parts during the formation of the solution.

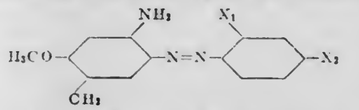
2,085,314
MATCH SAFE
Bertis F. Hamilton, Columbus, Ind.
Application December 12, 1935, Serial No. 54,013
3 Claims. (Cl. 206—20)



1. In a device of the type described, a sheet-metal container having a substantially vertical front wall, a bottom for said container and also formed of sheet-metal, the front wall of said container being provided above its lower edge with a horizontally extending opening the material from which is bent along the upper edge of the opening to provide a downwardly and rearwardly extending baffle, the material of said front wall between its lower edge and said opening being severed at an intermediate point and the material on each side of the point of severance being bent back upon itself to form tongues spaced inwardly from the front wall of the box, portions of the front edge of said bottom being turned downwardly to form flanges received between said tongues and the front wall of the container, said bottom being provided with a notch extending rearwardly from said flanges and the opening left in the front wall of the box by the folding of said tongues co-operating with said notch to provide access from below to articles supported on the bottom and extending across the notch.

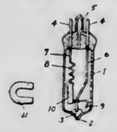
2,085,315
ORTHO-AMINOAZO COMPOUND
Erwin Hoffa and Hans Heyna, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 27, 1934, Serial No. 708,690. In Germany February 1, 1933
4 Claims. (Cl. 260—96)

4. The compounds of the general formula:



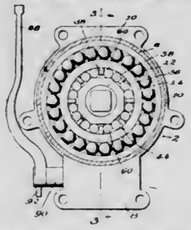
wherein X_1 and X_2 stand for members of the group consisting of nitro and chlorine.

2,085,316
MERCURY SWITCH
Karl Hunciker, Chicago, Ill., assignor to Ira E. McCabe, Chicago, Ill.
Application April 12, 1933, Serial No. 665,628
5 Claims. (Cl. 200—112)



1. An electric switch comprising a sealed container, a body of electric conducting fluid therein, an integral flexible wire electrode having one end free and normally out of contact with said fluid, a second integral electrode adapted to make contact with said fluid, a rectangular curved armature secured at the crown of curvature upon said first electrode intermediate its length and spaced apart from its free end, in combination with means exterior of said container to actuate said flexible electrode to close the circuit through said fluid including a magnet adapted to include said armature within the magnetic field thereof.

2,085,317
CLUTCH AND OPERATING MECHANISM THEREFOR
Arnold H. Jessen, Los Angeles, Calif.
Application March 28, 1932, Serial No. 601,591
7 Claims. (Cl. 192—48)



3. Power transmitting mechanism comprising driving and driven members formed to provide between them a space for the operation of clutch elements, one of said members equipped with a cam projection extending into said space, clutch elements disposed closely adjacent each other and to operate in said space, with one thereof at each side of said cam projection, and an adjustable control device closely engaging and accurately controlling the location of said clutch

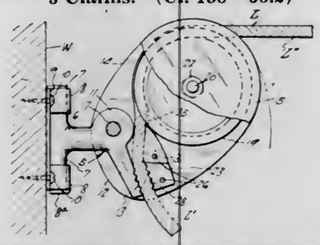
elements in said space adapted to locate them so that they will lock said driving and driven members together against relative movement in either direction, or to locate them so as to permit a one-way movement of said driven member with respect to the driving member, at will.

2,085,318
GERMICIDAL PREPARATION
Emil Klarmann, Bloomfield, N. J., assignor to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware
No Drawing. Application January 8, 1936, Serial No. 58,141
11 Claims. (Cl. 167—31)

2. A germicidal preparation comprising a bactericide of the class consisting of para-tertiary butyl phenol and its alkyl substituted derivatives, and a phenolic body having germicidal properties.

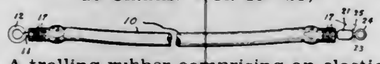
11. A germicidal preparation comprising an alkyl substituted derivative of tertiary butyl phenol and a phenolic body having germicidal properties.

2,085,319
CLOTHESLINE FASTENER
Carl G. Kolstedt, Frankfort, Ill.
Application November 9, 1936, Serial No. 109,891
3 Claims. (Cl. 188—65.2)



1. In a device of the kind described, a swiveled arm including a bearing eye and pressure finger extended downwardly therefrom, side plates pivotally mounted adjacent one end at each side of the bearing eye, a grooved pulley journaled between the side plates and spaced outwardly and above the said bearing eye, and a pressure block mounted between the side plates below the pulley and parallel to the said pressure finger, the parallel adjacent faces of the pressure finger and pressure block being serrated.

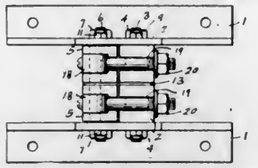
2,085,320
TROLLING RUBBER
Amandus Kolstrand, Seattle, Wash.
Application November 20, 1933, Serial No. 698,826
10 Claims. (Cl. 43—28)



1. A trolling rubber comprising an elastic rubber tension member having means at the respective ends thereof for connection with fishing lines, said rubber tension member being free and nonrestricted between its two ends and relying solely on its own tensile strength to yieldingly resist elongation.

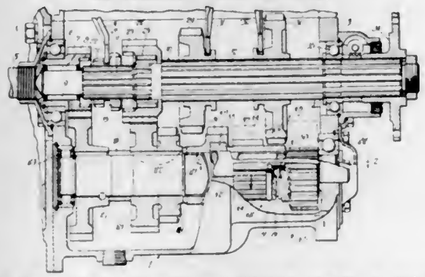
2,085,321
PIPE CLAMP
Victor A. Lang, Houston, Tex.
Application February 1, 1935, Serial No. 4,529
6 Claims. (Cl. 29—67)

1. A pipe holding device comprising confronting clamps arranged to open and close, complemental grooves in the facing sides of the clamps to receive a pipe when the clamps are closed, a pivotally mounted latch on one of said clamps adapted to fit into a corresponding groove on the



other of said clamps to secure the clamps in gripping relation with the pipe in the grooves, said clamps being separated by a removable shim forming a saw space at approximately right angles to the axis of the pipe gripped by the clamps.

2,085,322
TRANSMISSION FOR TRUCKS
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application May 2, 1934, Serial No. 723,450
13 Claims. (Cl. 74—333)

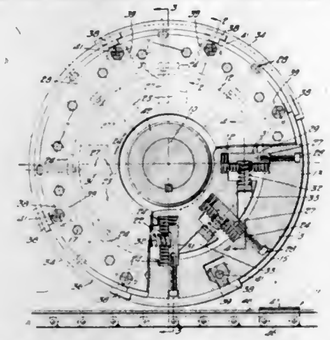


1. In a transmission, a driving shaft, a driven shaft, means serving as two countershafts, means positively connecting one of said countershafts with said driving shaft for rotation therewith in both directions, selective gear reduction means associated with said one countershaft for connecting the same with said driven shaft in any one of a group of ratios, other selective gear reduction means associated with the other of said countershafts and arranged to connect said other countershaft with said driven shaft in any one of another group of ratios, and means including an overrunning clutch device for driving said other countershaft from said one countershaft and serving to prevent the driven shaft from driving the driving shaft whenever any one of said other group of ratios is selected.

2,085,323
MARKING DEVICE
Homer E. Leash, Nice, Calif.
Application February 25, 1936, Serial No. 65,622
4 Claims. (Cl. 101—376)

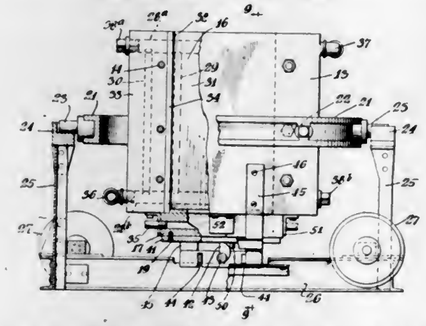
1. In apparatus of the character described, a rotatable shaft, a hub secured to said shaft, a ring surrounding said hub and having its axis normally concentric to the axis of the shaft, a marking die carried by the outer periphery of the ring, yieldable means acting between the hub and the ring and serving to permit shifting of the ring to a position eccentric to the axis of the shaft when force is applied to the ring laterally of the shaft, radially extending shoulders carried by the hub and adapted to engage cooperating elements carried by the ring, whereby torque can

be transmitted through said shoulders in one direction between the hub and the ring, and sup-



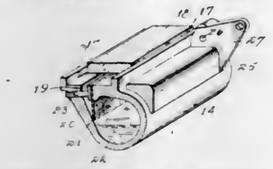
plemental resilient means serving to yieldably urge said elements into engagement with said shoulders.

2,085,324
METAL MOLD
Karl A. Lindner, Rahway, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application September 5, 1934, Serial No. 742,714
13 Claims. (Cl. 22—139)



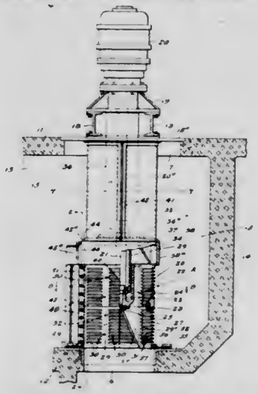
1. A mold comprising the combination with a mold body defining a mold cavity therein, of a movable closure for the cavity, supporting mechanism for the closure including a cam, means for actuating the cam to cause movement of the closure member towards and away from the mold body and cavity, and means for guiding the movement of the closure rectilinearly relatively to the mold body.

2,085,325
INKING DEVICE FOR MARKING MACHINES
Charles F. Miller, Cincinnati, Ohio, assignor to The National Marking Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application April 13, 1936, Serial No. 74,025
4 Claims. (Cl. 101—335)



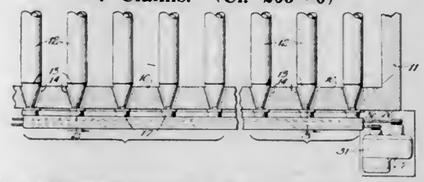
1. An inking device, comprising an ink reservoir having a slot in its upper surface, an absorbent ink feeder in said slot, an absorbent inking pad above and in contact with the ink feeder, a presser plate in said slot and in engagement with one side of the feeder and means for adjusting the pressure of the plate against the feeder.

2,085,326
COMMINUTER
Carl H. Nordell, Chicago, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois
Application February 21, 1936, Serial No. 65,023
20 Claims. (Cl. 210—152)



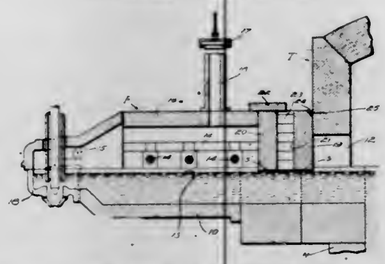
1. A comminuter comprising a straining wall, composed of spaced bars connected by elements which extend transversely between the bars and provide cutting edges, said bars and transverse elements being substantially flush on one side of the straining wall and the bars tapering rearwardly in cross-section from said flush faces, and a cutting bar disposed entirely at one side of said straining wall and co-operating with said cutting edges to comminute material, the straining wall and cutting bar being relatively movable in cutting relation to one another.

2,085,327
ROLLER FLOOR FOR FURNACES
William Harvey Payne, La Grange, Ill.
Application October 22, 1936, Serial No. 107,052
7 Claims. (Cl. 263—6)



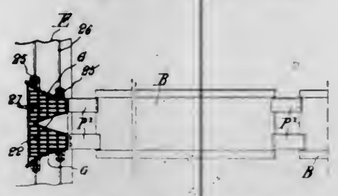
1. A furnace having a floor comprising a multiplicity of feeding rolls, a common slow speed driving mechanism adapted to impart a slow feeding speed to a selected number of the rolls and a common fast speed driving mechanism adapted to impart a fast speed to the same selected number of rolls, individual connecting means for each of the rolls and adapted to engage with the common slow speed driving mechanism to impart slow speed to the roll, and means individual to each of the selected rolls for selectively effecting driving engagement with the common fast speed driving mechanism and adapted when engaged therewith to render ineffective the slow speed connecting means for the same roll.

2,085,328
FOREHEARTH FOR MOLTEN GLASS
Karl E. Peller, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application December 14, 1935, Serial No. 54,447
11 Claims. (Cl. 49—55)



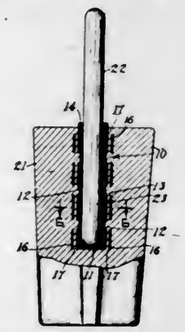
1. The combination with a glass melting furnace of a forehearth having a channel along which glass from said furnace may flow in a stream, a cover structure cooperating with said channel to provide a substantially enclosed space above the glass in said forehearth channel, a structure constituting a pressure fluid venting passage located adjacent to the juncture of said forehearth channel with said furnace, said venting passage structure extending the full width of the interior of said forehearth and terminating at its lower end close to but above the surface of said stream of glass for preventing passage of gases under pressure from said furnace to said enclosed space without obstructing flow of glass at the surface of said stream, said venting passage communicating at its top with the atmosphere and at its bottom with the interior of the furnace above the glass level only through a narrow space between the bottom of the rear wall of said venting passage and the underlying glass stream and with the enclosed space in said forehearth only through a similar narrow space between the opposite wall of said venting passage and said underlying stream of glass.

2,085,329
DEVICE FOR THE LOADING AND UNLOADING OF WHEELED LOADS ON RAILWAY CARS
Antoine Paul René Porte, Les Ordonnieres, near La Ferte-Imbault, France, assignor to Societe pour l'Union des Transports Ferroviaires et Routiers, Paris, France, a corporation of France
Application December 12, 1934, Serial No. 757,088
In Belgium December 13, 1933
9 Claims. (Cl. 214—38)



1. A device for the transfer of a wheeled load from a loading structure onto a railway car positioned adjacent to said loading structure, which comprises, in combination, two vertical load guiding members carried by said loading structure transversely to the edge thereof which is adjacent said railway car, and a plurality of rollers, having their axes substantially horizontal and at right angles to said edge, journalled in said loading structure, between said guiding members, for supporting the load during its sliding movement along at least one of said guiding members towards the railway car.

2,085,330
CONFECTIONERY PRODUCT
Louis Price, New York, N. Y., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application April 9, 1936, Serial No. 73,524
3 Claims. (Cl. 99—137)



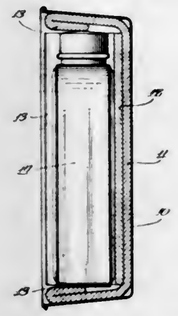
1. A confectionery product of the character described comprising a body portion composed of an edible substance which hardens upon a lowering of its temperature, and having a hollow rubber handle receiving member imbedded therein with its open end extending exteriorly of the body to form a socket, said member having a plurality of hollow projections extending from its outer surface adapted to receive a portion of the substance for providing anchoring means for permanently securing said socket member in said body when it is hardened.

2,085,331
DOOR-LOCK INDICATOR
Marie Ramlau, Cleveland, Ohio
Application June 11, 1935, Serial No. 26,026
1 Claim. (Cl. 240—2.25)



As an article of manufacture for indicating door-locks in the dark a door-lock indicator comprising a cylindrical base member having at its upper edge a narrow, inwardly extending annular flange and at its lower edge outwardly extending symmetrically arranged fastening means, a phosphorescent ring member arranged within said member and resting with its upper face against the annular flange thereof and a locking ring within said base member engaging the lower face of said ring member, said ring member and said locking ring being arranged within the upper portion of said base member and said ring member having its inner edge reenforced by a ferrule and being arranged a substantial distance above said fastening means to permit of proper mounting of said indicator on a door rail and alignment of said ferrule with the forwardly extended face of a cylindrical lock mounted in said door rail.

2,085,332
SHIPPING PACKAGE
William C. Rast, Tacoma, Wash.
Application February 19, 1936, Serial No. 64,616
2 Claims. (Cl. 206—46)



1. A shipping package comprising a pan; a lining comprising two crossed strips extending across the bottom and up the sides of said pan, the upper edges of each strip being turned inwardly and downwardly to form a retaining lip; and a bottle fitting within said lining.

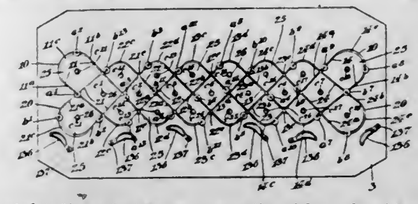
2,085,333
ROPE SOCKET
Nazro H. Reynolds, Alameda, Calif.
Application March 13, 1936, Serial No. 68,623
4 Claims. (Cl. 24—136)



1. A rope securing device comprising a socket having an eye formed at one end thereof, a wedge-receiving recess formed in said socket and having curved side walls with a rope-receiving groove formed in each side wall with one groove terminating at the other end of the socket tangentially to the center of said eye, the longitudinal axes of said grooves being uniformly curved in the same direction from said other end toward said one end and passing outwardly curvilinearly beyond and completely clearing said eye, whereby a wedge curved to conform to said recess, with a rope looped thereabout, during insertion or removal is moved through a curved path spacedly related to said eye.

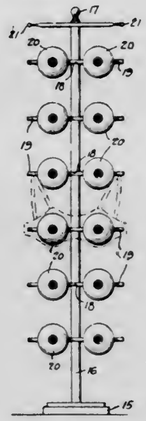
2,085,334
BRAIDING MACHINE
Norman E. Richards, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application January 22, 1935, Serial No. 2,855
14 Claims. (Cl. 96—12)

1. In a braiding machine, a carrier supporting race-plate including a pair of raceways arranged to define a parallel-sided braiding zone and a series of carriers for traversing said raceways, a plurality of drive gears for said carriers, each raceway comprising a plurality of pairs of contiguous substantially parallel slots extending in



straight lines between opposite sides of said zone and interconnected at the ends of the zone to form a continuous raceway, the slots of each pair being spaced apart a distance substantially equal to the diameter of one of said drive gears.

2,085,335
DISPLAY STAND
Martin Salgo, Beverly Hills, Calif.
Application May 20, 1936, Serial No. 80,750
1 Claim. (Cl. 223—66)

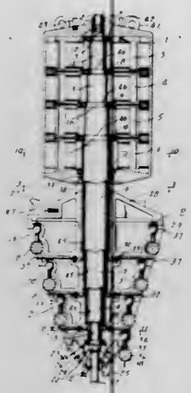


A display stand for brassières, comprising; an upright; a cross arm secured to the upright; a pair of bust forms secured in side by side relation on the cross arm and over which the pockets of a brassière are adapted to be fitted, the bust forms being spaced from the ends of the cross arms so that parts of the brassière can be supported in extended position laterally from the bust pockets when the brassière is extended around the cross arm and its ends fastened at the back of the upright; and a second cross arm secured to the upright above the first mentioned cross arm, the second mentioned cross arm disposed to the rear of the bust forms and a distance thereabove so that when the shoulder straps of the brassière are extended over said cross arm the shoulder straps will serve to maintain the pockets on said forms.

2,085,336
ROTARY EXCAVATOR
Harvey D. Sandstone, Oakland, Calif.
Application December 21, 1932, Serial No. 648,247
6 Claims. (Cl. 255—4)

1. A rotary excavator, comprising, a tubular shell or housing, a stationary drill-stem extending longitudinally within said housing, an arma-

ture mounted upon said drill-stem, field coils detachably mounted within and on said housing,



said housing being armed with cutting bits on its outer surface.

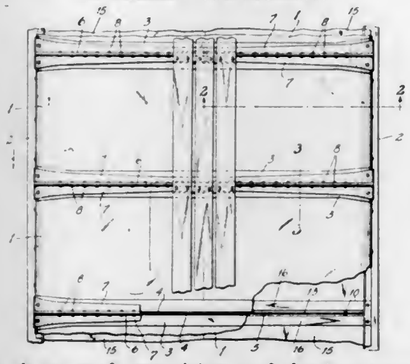
2,085,337
CAP AND METHOD OF MAKING SAME
August C. Spahn, Evansville, Ind., assignor to Bernardin Bottle Cap Company, Evansville, Ind., a corporation of Indiana
Application May 31, 1934, Serial No. 614,388
3 Claims. (Cl. 113—80)



1. As a new article of manufacture, a metal cap adapted to form a seal for a container with a hot pack therein and comprising a top and a skirt depending from the margin of the top and provided with means for holding it on the neck of the container, a mass of plastic wax having a comparatively high melting point, cast around and firmly united to the margin of the inner face of the top of the cap and of sufficient thickness to permit the neck of the container to be embedded therein to form a seal, and a textile fabric retaining sheet embedded in and substantially coextensive with the under face of the wax and adapted to prevent dripping of the wax in the event that it is subjected to a high temperature during the hot pack sealing of the container.

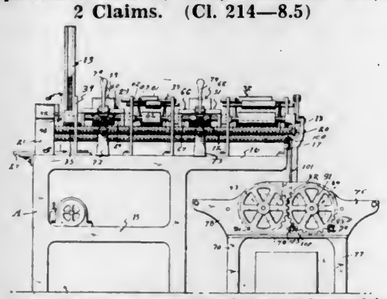
3. That improvement in the cap art which consists in heating to a temperature ranging approximately from 300° to 380° F. an interiorly lacquered sheet metal cap having a top and a continuous skirt with means to hold it on the neck of a container, in order to soften the lacquer, heating plastic wax having a melting point of between 165° to 170° F. to a temperature substantially the same as that of the cap in order to liquefy the wax and then pouring the liquid wax into the cap while the latter is heated and in an inverted position in sufficient amount to form a layer around the inner face of the top of such depth as to permit the container neck to embed itself therein when the cap is applied to the container, and finally before the wax layer sets embedding a textile fabric sheet in the exposed face of the layer.

2,085,338
CAR ROOF
Edgar E. Schlesinger, Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application November 27, 1936, Serial No. 112,838
11 Claims. (Cl. 108—5.2)



1. A car roof comprising roof sheets connected along their adjacent margins by seams, plates embodied in said seams and having vertically disposed lower marginal portions, members depending from and permanently secured to said vertically disposed lower marginal portions of said plates, and a lining located beneath said roof sheets and sustained by said members.

2,085,339
BLANK-FEEDING DEVICE
Andrew Smith, Milwaukee, Wis., assignor to Van Dyke Knitting Co., Milwaukee, Wis.
Application June 7, 1934, Serial No. 729,541
2 Claims. (Cl. 214—8.5)

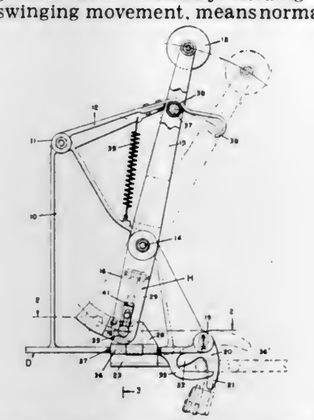


1. In a machine for finishing poker chips of the type having a plurality of longitudinally extending feed screws for conveying chips on edge; a device for feeding the chips on edge one at a time to the feed screws including a vertically disposed magazine for receiving a stack of the chips arranged above the feed screws at one end thereof, a stationary feed plate disposed below the magazine, a swinging push lever movable over the feed plate to carry the lowermost chip from the magazine, and a rocking tap rod for striking the chips as the same leave the feed plate for causing the canting thereof and the dropping of the same vertically between the feed screws.

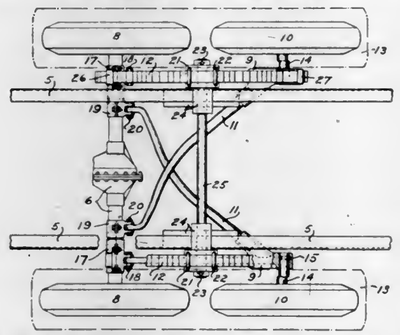
2,085,340
RELEASABLE HITCH
Eldred H. Schnuelle, Manitowoc, Wis.
Application October 16, 1936, Serial No. 105,962
6 Claims. (Cl. 280—33.16)

1. A releasable implement hitch for tractors comprising, a drawbar, a swinging coupler head

pivotally connected to the drawbar having a coupler nose and an inwardly extending tail, a swinging lock lever normally holding the tail against swinging movement, means normally moving the lever out of operative connection with the tail, releasable means normally holding the lever in operative connection with the tail, and means for actuating said releasable means when an undue force is exerted on the coupler nose.



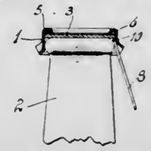
2,085,341
TANDEM WHEEL ASSEMBLY
Edward H. Schultz, Milwaukee, Wis.
Application October 3, 1936, Serial No. 103,870
12 Claims. (Cl. 280—124)



1. In a vehicle, a vehicle frame, a main axle extending across said frame, a main wheel carried by said axle near each side of said frame, a beam swingable about an axis closely adjacent each of said main wheels, an auxiliary wheel rotatably supported at the swingable end of each of said beams, and an auxiliary axle connecting the swingable end of each beam with said main axle near the opposite side of said frame, said beams and auxiliary axles being swingable about a common axis offset with respect to the main axle axis.

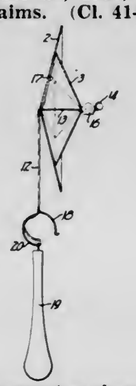
2,085,342
CAP REMOVER
Frank R. Soukup, Long Beach, Calif.
Application June 11, 1934, Serial No. 730,007
3 Claims. (Cl. 215—46)

3. A remover for crimped bottle caps, comprising an integral length of wire, said wire including an arcuate portion positioned within the cap and removably retained therein, a pair of downwardly extending arms and an upwardly extending lever finger positioned between said arms, the



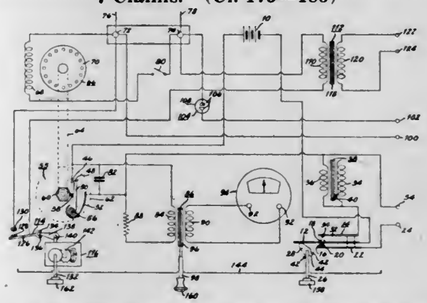
upper end of said lever finger being positioned under the edge of the cap and against the bottle.

2,085,343
ORNAMENT
Reginald C. Steeple, San Mateo, Calif.
Application October 21, 1935, Serial No. 45,977
5 Claims. (Cl. 41—10)



4. In a tree ornament, a decorative head comprising front and back pieces having angularly disposed light reflecting surfaces, a pair of wires twisted together to provide an arm for supporting the head, the upper end of one of said wires extending through both of the head pieces for fastening the latter together and the upper end of the other wire projecting through the back piece and lying between its angularly disposed surfaces for holding the head upright, and the lower ends of the wires being spread to provide a holder for straddling a limb of the tree, and a pendant hanging from one of said wires for counterbalancing the head.

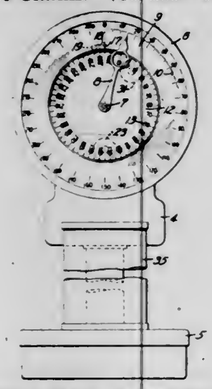
2,085,344
TESTING APPARATUS AND METHOD OF TESTING
Ralph E. Sturm, Detroit, Mich., and Herman L. Hartzell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 16, 1935, Serial No. 54,594
7 Claims. (Cl. 175—183)



1. The method of testing a coil, comprising the steps of intermittently applying a direct current

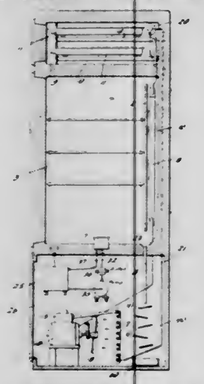
to the coil so that flux is intermittently built up around the turns of the coil, and obtaining an indication of the condition of the coil by measuring an electrical quantity that is dependent upon the rate of damping of flux oscillations through the turns of the coil when no direct current is being applied to the coil.

2,085,345
WEIGHING MECHANISM
Jess L. Tuttle and Harry C. Schroeder, Oakland, Calif.
Application December 12, 1936, Serial No. 115,546
10 Claims. (Cl. 265—27)



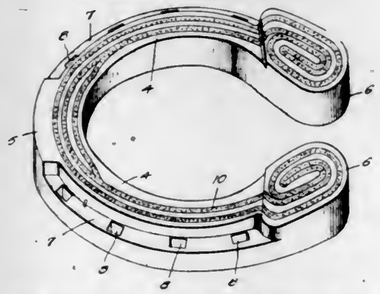
1. A weighing scale comprising an indicator movable in accordance with the weight of an object placed on said scale, a dial having indicia thereon disposed in cooperative relationship with said indicator and movable therewith, means for connecting said dial and said indicator for movement together during part of the movement of said indicator, and means for preventing continued movement of said dial and said indicator together.

2,085,346
AIR CONDITIONING SYSTEM FOR REFRIGERATORS
Carl G. Vretman, Atlanta, Ga.
Application February 26, 1935, Serial No. 8,368
1 Claim. (Cl. 62—89)



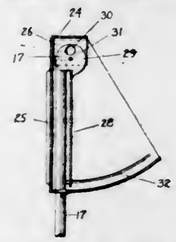
In an air conditioning system for domestic refrigerators, a housing forming a refrigerator chamber, a reservoir for humidifying water under atmospheric pressure, means for withdrawing water from said reservoir and subjecting it to pressure, means for forming the water under pressure into an extremely fine jet, an atomizer housing, an impact element in said housing against which said jet impinges whereby the water is atomized into extremely fine particles, means for separating and collecting the larger particles, means for returning the collected water to the reservoir under atmospheric pressure, the atomizer housing having openings through which the finer particles pass into the refrigerator chamber, means for extracting and collecting contaminated moisture from the atmosphere in the refrigerator, means for leading the collected contaminated water out of the refrigerator chamber, and means for disposing of said contaminated water by evaporation into the outside atmosphere.

2,085,347
NOISELESS ANTISKID HORSESHOE
Vincent P. Wachter, Joliet, Ill.
Application December 5, 1936, Serial No. 114,487
3 Claims. (Cl. 168—13)



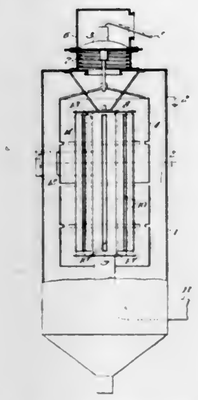
1. An improved noiseless and anti-skid horseshoe, comprising a shoe body of molded reinforced rubber having a tread surface, and inserts of woven wire and asbestos material embedded in the rubber body in a position to have edges of the materials exposed through and forming part of the said tread surface.

2,085,348
AUTOMATICALLY CONTROLLED VALVE
Elling O. Weeks, Milwaukee, Wis.
Application May 18, 1934, Serial No. 726,422
4 Claims. (Cl. 137—139)



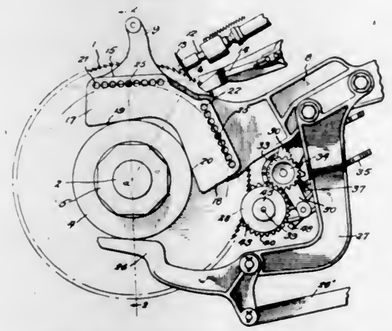
1. A valve comprising a housing having louvres in its front wall, a vane within said housing, and pivotally supported from the top wall thereof, inlet and outlet ducts having opposed open ends extending into said housing, and an angular projection on said vane interposed between the open duct ends and having a port adapted to register with the duct openings when said vane is swung on its pivot support from its normally depending position within said housing by pressure of air entering said louvres.

2,085,349
ELECTRICAL PRECIPITATION
Harry A. Wintermute, Plainfield, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application February 28, 1935, Serial No. 8,769
22 Claims. (Cl. 183—7)



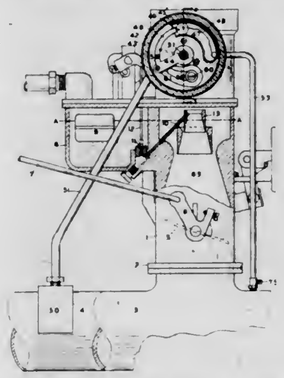
1. Apparatus for the electrical treatment of fluids comprising a collecting electrode, an electrode spaced therefrom having corona-emanating discharge elements associated therewith, said second named electrode providing a conduit for the removal of fluids from the space between said electrodes and having orifices for the passage of fluid thereinto from substantially the whole of said space adjacent said second-named electrode, means for conducting fluids into said space, and means for impressing a high potential difference across said electrodes.

2,085,350
GIN SAW GUMMER AND FILER
Albert P. Wood and John W. Stoney, Atlanta, Ga., assignors to The A. A. Wood & Sons Company, Atlanta, Ga., a corporation of Georgia
Application February 27, 1936, Serial No. 66,133
9 Claims. (Cl. 76—32)



1. In a gin saw gumming machine of that type having a file for shaping the inter-dental spaces, a feed for rotating the saw step by step to bring successive teeth into operative relation to the file, and a frame adapted to be supported by the space blocks between the saws, using them as a datum from which to maintain the file in a precise working position, an adjustable plate forming a frame extension permitting said frame to be lengthened or shortened to engage said space blocks regardless of the diameters of the saws or space blocks, said plate intersecting a radial line from the axis of rotation of said saw to a point at the depth limit of said file, said plate and the portion of the frame with which it cooperates having groups of holes on opposite sides of said radial line and symmetrically positioned with respect to said line, the holes in the plate on one side of said line, when said plate is shifted toward or from said space blocks, being selectively registrable one by one with corresponding holes in said frame, for receiving securing means, the holes on the opposite side of said line in both said plate and frame being so placed as, when two of them are brought into registry, while the other side of said plate is secured, to determine a position of said plate in which it has the same bi-lateral relation to said radial line as in any other position of adjustment.

2,085,351
CARBURETOR
Irven E. Coffey, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application July 6, 1933, Serial No. 679,201
40 Claims. (Cl. 123—179)

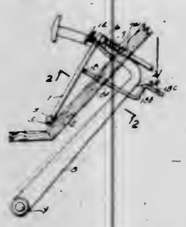


1. In an internal combustion engine having an intake manifold and an exhaust manifold, a carburetor mounted on said intake manifold, said carburetor having a choke valve, a housing mounted on said carburetor, a conduit having an inlet end open to the atmosphere at a point adjacent said exhaust manifold, said conduit having an outlet discharging into said housing, a second conduit having an inlet discharging within said housing and an outlet opening into said intake manifold, a heat responsive device mounted within said housing, means for transmitting a movement of said heat responsive device to said choke valve, and a suction operated device for affecting the richness of the mixture delivered by the carburetor in accordance with suction conditions.

2,085,352
CRUISING ACCELERATOR
Roger A. Cook, San Antonio, Tex., assignor of one-half to E. H. Keator, San Antonio, Tex.
Application October 4, 1934, Serial No. 746,856
12 Claims. (Cl. 192—3)

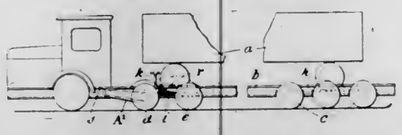
1. In a device for maintaining the speed of an automotive vehicle, as described, an oscillatable

accelerator pedal having a hinged vertical movement, an inclinable movement about a fore and



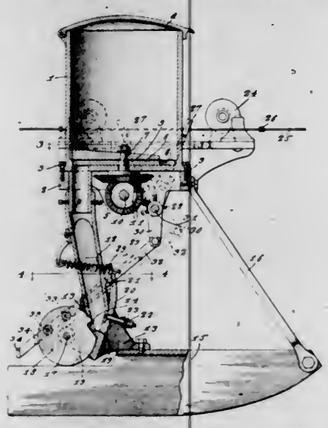
aft axis and a lateral movement in approximately the plane of said pedal.

2,085,353
CONVEYANCE FOR TRANSPORTING RAILWAY CARS AND THE LIKE BY ROAD
Johann Culemeyer, Berlin-Charlottenburg, and Wolfgang Bode, Berlin-Grunewald, Germany, assignors to Gothaer Waggonfabrik Aktiengesellschaft, Gotha, Germany
Application June 9, 1934, Serial No. 729,920
In Germany June 9, 1933
3 Claims. (Cl. 280—80)



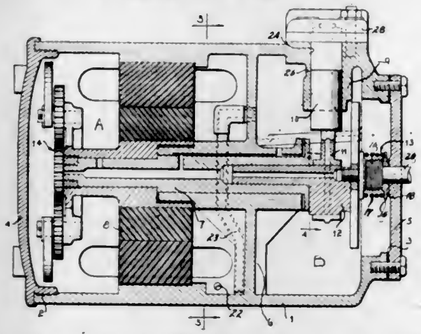
1. In a composite road vehicle the combination of a trailer having road wheels and a platform between said wheels below the level of the tops thereof, and a tractor having trailing wheels and a swivel seat supported below the tops of said wheels and adapted to connect the trailer to the tractor whereby the front end of said platform is supported between said trailing wheels below the tops thereof.

2,085,354
PLANTER MECHANISM
Henrick G. Erickson, Clear Lake, Iowa
Application October 1, 1935, Serial No. 43,087
1 Claim. (Cl. 111—34)



A seed dropping mechanism comprising a hopper having an outlet, a tube connected in said outlet and having a discharge end, a bracket formed on the discharge end of the tube, a disc-like seed depositing element journaled to the bracket and having a pocket, a guard pivotally and yieldably connected to the tube and associated with the discharge end thereof and with the seed depositing element, a link eccentrically pivoted to the seed depositing element and having one end bent to form a stop adapted to contact the periphery of the seed depositing element for limiting the movement of said seed depositing element in one direction, spring means connected to said link for moving the seed depositing element in one direction, and a check row wire operated mechanism connected to the link for moving the seed depositing element in an opposite direction.

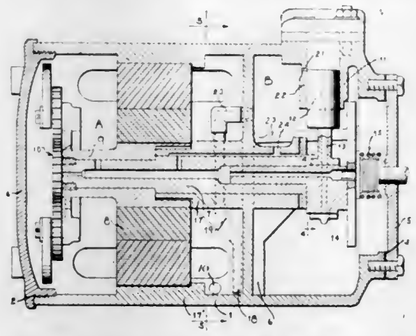
2,085,355
MOTOR AND COMPRESSOR ASSEMBLY
Harold A. Greenwald, Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application September 2, 1930, Serial No. 479,394
2 Claims. (Cl. 230—58)



1. In a unitary refrigerant compressor motor assembly the combination of a compressor, a driving motor therefor, a casing enclosing the motor and compressor so that both the motor and the compressor are exposed to the refrigerant medium passing through said casing to aid in cooling the motor, end closure plates on said casing, a drive shaft connecting the motor and compressor, a shaft extension operatively connected thereto and extending through one of said end closure plates, sealing means including an expansible diaphragm associated with said shaft and wall to prevent leakage of refrigerant from the casing about the extended portion of said shaft and a spring tending to move the shaft in one direction and the sealing means in the opposite direction toward said wall.

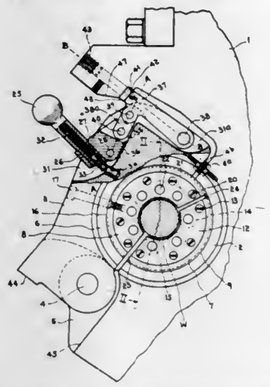
2,085,356
PUMP FOR REFRIGERATING APPARATUS
Harold A. Greenwald, Los Angeles, Calif., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application September 2, 1930, Serial No. 479,395
Renewed October 16, 1935
15 Claims. (Cl. 230—206)

1. In an apparatus of the class described, a casing having a motor compartment and a compressor compartment, conduit means for conducting vaporized refrigerant and some oil to said motor compartment from a source outside said casing, and means for withdrawing the refrigerant and oil from the motor compartment and discharging the same into the compressor



compartment said means being arranged to pass only the refrigerant directly into the compressor.

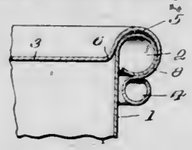
2,085,357
STEADY REST FOR CRANKSHAFT LATHES
William F. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application October 28, 1936, Serial No. 108,038
11 Claims. (Cl. 82—39)



1. A steady rest for lathes comprising a frame, a fixed journal member mounted in said frame, a movable clamping member pivotally mounted on said frame for swinging relative to said fixed journal member, abutment means to limit the relative approach of said members, means for positively holding said movable member engaged with said abutment means, and common means for rendering said last mentioned means effective or ineffective and for moving said movable member.

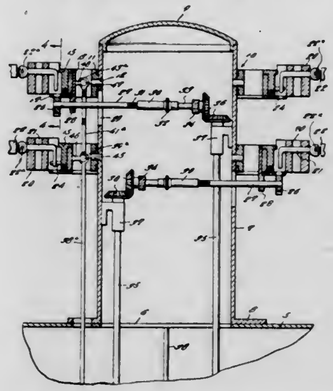
2,085,358
TIN WITH A JAMMING SLIP-ON COVER
Rudolf Günzel, Hamburg, Germany, assignor to Wilhelm Valentin Sippell, The Hague, Netherlands
Application July 30, 1934, Serial No. 737,663
In Germany August 2, 1933
1 Claim. (Cl. 220—59)

A metal container having an outwardly extending bead at its open end, a removable closure for the open end of said container, comprising, a medial depressed portion, an outwardly extending peripheral beaded rim, said rim being continuous throughout its area and extending a sufficient distance to securely hold said cover in place, and an inwardly extending bead formed on the lower edge of said rim and disposed in close proximity to the body of said container immediately below the bead thereon, said inwardly extending bead



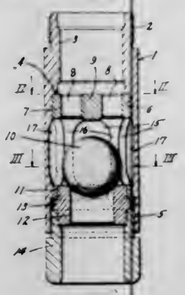
being provided substantially entirely within its confines with a plurality of cuts of small width, compared to their distance apart, which cuts are confined to the bead, to give resiliency to said inwardly extending bead whereby the latter engages the closure tightly but yieldingly about the bead on the container.

2,085,359
HELICOPTER
Brooks M. Hall, Davidson, Okla.
Application October 9, 1936, Serial No. 104,892
5 Claims. (Cl. 244—17)



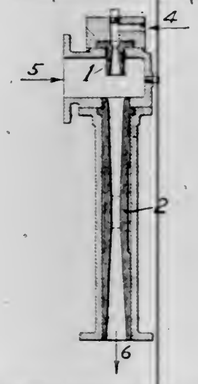
2. In an aircraft of the character described, a fuselage, a column rising vertically from the top of the fuselage and propeller assemblies mounted on the fuselage in vertically spaced relation and rotatable in reverse directions relative to one another, each of said propeller assemblies including a supporting frame disposed about the column and supported therefrom for tilting movement in either of two directions, an annular frame disposed about the first mentioned frame and supported therefrom for tilting movement in either of two directions and on pivots disposed at right angles to the pivots for the first mentioned supporting frame, a power ring surrounding the second mentioned supporting frame and supported therefrom for rotative movement relative to the second mentioned supporting frame, a second ring loosely disposed about the power ring and provided at diametrically opposite sides thereof with radially extending bearings, propeller blades having their shafts journaled in said bearings, and interengaging means on the blade shafts and on the power ring for changing the pitch of the propeller blades and for transmitting movement of the power ring to the blades to cause said blades and power rings to rotate about the second mentioned supporting frame as a unit.

2,085,360
PUMP VALVE CONSTRUCTION
David M. Hammett, Tulsa, Okla., assignor to Axelson Manufacturing Company, Los Angeles, Calif., a corporation of California
Application July 9, 1935, Serial No. 30,485
4 Claims. (Cl. 251—121)



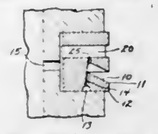
3. A valve assembly including in combination, a valve cage comprising a cylindrical member having a passage therethrough, a lower portion of which passage is cylindrical, an annular shoulder in said member at the upper end of said cylindrical portion of said passage, valve guiding means fitting tightly within said passage and seating against said shoulder, said guiding means comprising an annular portion at its lower end fitted tightly against and sealing with the wall of said passage to effect a fluid tight seal therewith, a valve seat fitted freely within said passage below said guiding means and seating against said annular portion of said guiding means, a bushing threaded into the lower end of said member and seating against said valve seat for pressing said valve seat against said guiding means and effecting a fluid tight seal therebetween, and a valve movable vertically within said guiding means to and from said valve seat.

2,085,361
STEAM JET EXHAUSTER
Ralph E. Hellmer, Philadelphia, Pa., assignor to Schutte & Koerting Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 5, 1935, Serial No. 43,740
1 Claim. (Cl. 230—95)



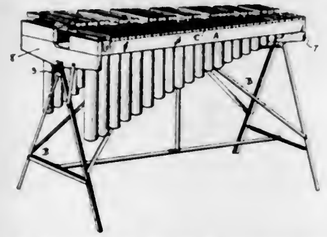
A stem jet exhauster having a nozzle and diffuser of carbon which adapts the exhauster to use with acid corrosive vapors in association with wet steam and at high temperature, such as 250° Fahrenheit or more.

2,085,362
PISTON RING
Louis W. Herbst, Cleveland, Ohio
Application September 12, 1934, Serial No. 743,740
5 Claims. (Cl. 309—45)



1. A piston ring having two reservoirs therein in different transverse planes, one extending upwardly and inwardly from the outer surface thereof, the ring having an annular groove in the bottom thereof, and having passageways extending between the lower reservoir and the groove, the upper reservoir comprising a plurality of passages which extend through the ring from the inner to the outer surfaces thereof, the ring having passageways which provide communication between the lower reservoir and the upper reservoir.

2,085,363
PERCUSSION MUSICAL INSTRUMENT
Charles Hultsch, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application September 6, 1934, Serial No. 742,894
6 Claims. (Cl. 84—403)

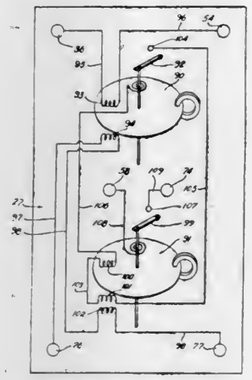


1. In a percussion musical instrument of the xylophone type, the combination of a plurality of dual tone bar units arranged in sequence and constituting one or more octaves, the two bars of each dual tone bar unit being adapted to be simultaneously struck by a single mallet, one of the bars of each dual tone bar unit being pitched one octave below the other bar thereof, and resonators mounted below said sequence of tone bar units, one of the resonators associated with each unit being larger than the other and being arranged below both bars of the unit and the smaller one being located below the higher-pitched bar of the unit.

2,085,364
PROTECTIVE SYSTEM FOR ELECTRICAL DISTRIBUTING SYSTEMS
Lloyd F. Hunt, Glendale, Calif.
Application January 21, 1935, Serial No. 2,732
5 Claims. (Cl. 175—294)

1. Protective equipment for a three phase radial feeder system having a plurality of radial lines including: a single ground-responsive transformer connecting the system with ground and having one point of its primary grounded, and a protective unit for each of said radial lines comprising, a current transformer energized by the line, a circuit breaker controlling the line, the circuit breaker embodying a trip coil, a source of electrical energy and a ground

directional relay, said directional relay comprising a rotor, a winding inductively related thereto and connected to receive current from the said current transformers, a second rotor, two windings connected in series with one another and with the secondary of the said ground transformer, one of said two last-named windings being inductively related wtih the first rotor and the other with the second rotor, a third set of two coils connected in series with one another and inductively related with the second rotor, a movable contact carried by the first rotor, and a stationary contact cooperating therewith, con-



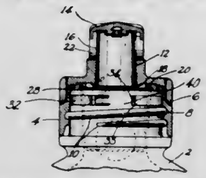
ductors connecting the free terminals of said two coils to said two contacts whereby the first rotor controls the resulting circuit, one coil of the third set being inductively related to one of the windings which cooperates with the second rotor, a movable contact carried by the second rotor and a stationary contact cooperating therewith, said last-named pair of contacts being interposed in series with the trip winding and the source of energy, to control said circuit breaker, in response to energy from the current transformer and current flow resulting from a ground on said line.

2,085,365
CONTAINER FOR MARBLES
Clinton F. Israel, Clarksburg, W. Va., assignor to Master Marble Company, Clarksburg, W. Va., a corporation of West Virginia
Application August 3, 1935, Serial No. 34,487
1 Claim. (Cl. 229—53)



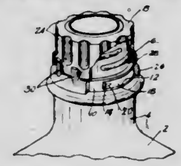
In combination, a relatively rigid paper back and a net front of sufficiently large mesh for display covering the paper back, three margins of said front and back being stitched together, a part of the back extending above the unstitched top of the front and adapted to be folded thereover to seal the container so formed, the stitching of the margins holding the net front close to the paper back whereby articles placed in the container will be held in a layer or layers over the back for display purposes.

2,085,366
NONREFILLABLE BOTTLE
Eugene Jacob, Trenton, N. J.
Application November 28, 1934, Serial No. 755,133
10 Claims. (Cl. 215—7)



1. A bottle or other container having a threaded neck formed with a recess extending more than half-way around the neck with a substantially straight abutment at one end of the recess and an inclined surface at the opposite end thereof, in combination with a spring member located in said recess and a closure for the neck of the bottle extending downwardly about said recess close to the neck of the bottle in position to engage said spring member and cause the same to move therewith up the inclined end of said recess into frictional locking position when said closure is rotated to remove the same and a cooperating thread formed on said closure for engaging that on the neck of said bottle.

2,085,367
CONTAINER AND CLOSURE THEREFOR
Eugene Jacob, Trenton, N. J.
Application April 6, 1935, Serial No. 15,046
5 Claims. (Cl. 215—7)



1. The combination comprising a container having a circular neck threaded externally and formed with a circumferential recess below the thread, a locking member carried by the container normally located in said recess and slidable circumferentially of the container to an expanded position in which a portion thereof extends out of said recess, and a closure threaded internally engaging the thread on the neck of the container and formed with a skirt extending below said thread and about the locking member in said recess and closely adjacent said circular neck, said locking member and skirt having cooperating elements serving to move the locking member with the closure to said expanded position in which the locking member is wedged between said closure and a circular portion of the container to break said skirt outwardly upon rotation of the closure to remove the same.

2,085,368
SURGICAL APPLIANCE
Charles Marvin Kendall, Sweetsers, Ind.
Application September 27, 1935, Serial No. 42,508
Renewed March 19, 1937
1 Claim. (Cl. 128—341)

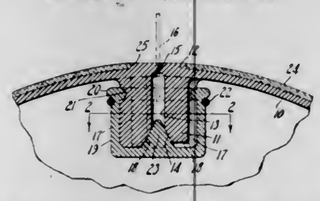
An appliance of the character described comprising a split band of ductile, non-corrosive material having rolled end edges, said band in cross-section being convexo-concave in shape, and the ends of the band formed by the split

being arranged for substantial overlapping relation, said band adapted to be contracted and inserted within the prepuce for expanding the



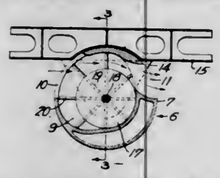
fore-opening thereof to enable the loose skin to be peeled back over the corona glandis of the male organ.

2,085,369
VALVE
Karl B. Kilborn, Akron, Ohio, assignor to Seiberling Latex Products Company, Akron, Ohio, a corporation of Ohio
Application September 13, 1934, Serial No. 743,811
6 Claims. (Cl. 273—65)



1. A valve structure for inflatable articles comprising a member secured to the inflatable article and extending inwardly thereof, said member having a central bore providing a valve seat at its inner end, a groove communicating with said bore and the interior of said inflatable article, and an opening communicating with said bore and the atmosphere through which a fluid medium may flow in inflating and deflating the inflatable article, and a cup-shaped member detachably secured to said member and having a portion yieldably engageable with said valve seat for controlling the flow of medium through said bore and groove.

2,085,370
PROPELLER FOR VESSELS
Jesse A. Kirkpatrick, Berkeley, Calif.
Application November 25, 1935, Serial No. 51,373
3 Claims. (Cl. 115—16)



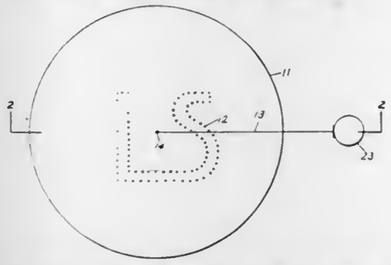
1. In a vessel, a pair of spaced arms extending from a submerged portion of the hull thereof, said arms having vertically alined journals thereon, a casing having a hollow chamber therein supported in said journals for rotary movement about an axis normal to the surface of the water, said chamber being provided with an inlet port and a discharge port, a rotor rotatably mounted in said chamber, a plurality of vanes slidably mounted in said rotor and extending diametrically therethrough with the ends of said vanes in contact with the wall of said chamber, means connected with said rotor within one of said arms for rotating said rotor within said chamber to move said vanes past said inlet aperture to draw water through said aperture, force said water through said chamber, and discharge said water through said discharge port away from said vessel to drive the latter through the water, and means connected with said casing within said other arm for rotating said casing to direct the water issuing from said discharge port in a selected direction radially from said axis.

2,085,371
ROLLER PAINTER
Alva L. Kitselman, II, Palo Alto, Calif.
Application May 5, 1936, Serial No. 78,064
11 Claims. (Cl. 91—49)



1. A device of the character described comprising a roller having peripheral openings, means for supplying a liquid surface coating composition to the interior of said roller, a valve device within said roller having portions movable across said openings, said roller being provided with a slot, an operating handle projecting through said slot and connected to said valve device, and an absorbent applicator covering said openings.

2,085,372
COMBINED CAKE BASE AND SLICER
Ernest A. Lenk, Philadelphia, Pa., assignor of one-half to George H. Morningstar, Philadelphia, Pa.
Application August 1, 1936, Serial No. 93,839
3 Claims. (Cl. 146—129)



1. A cake mounting comprising a base, a fine flexible wire fixed by its one end to a clip, said clip fixed to the center of said base and on the bottom thereof, said wire extending through a hole in the center of said base and being free, except for the end secured to said clip, said wire being of such length as to extend beyond the outer edge of said base.

2,085,373
WAX COATED PAPER
Clarence M. Loane, Whiting, and Bernard H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application February 7, 1936, Serial No. 62,808
7 Claims. (Cl. 91—68)

1. The improvement in wax coated papers comprising a sheet of paper impregnated with paraffin wax containing a relatively small proportion of a condensation product of chlorinated paraffin and an aromatic hydrocarbon.

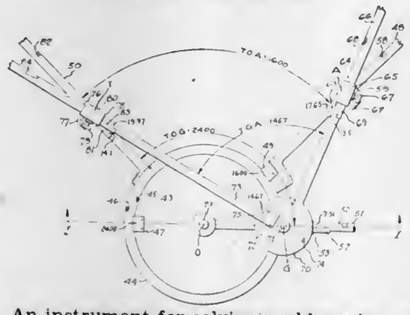
2,085,374
ARCH SUPPORT FOR SHOES
James E. Ludlam, Belleville, N. J.
Application November 14, 1934, Serial No. 753,045
16 Claims. (Cl. 36—71)



1. An arch support for shoes comprising a rigid metallic stamping having a metatarsal supporting portion and a calcaneus supporting portion integrally connected by a span member, independent spring supports for the inner and outer longitudinal arches carried by said metatarsal and calcaneus supporting portions, and means whereby said spring supports are independently yieldable.

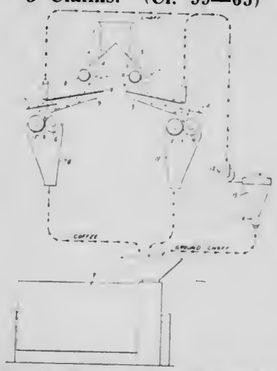
14. A balanced shoe in which the axis of support normal to the calcaneus supporting portion of the shoe is substantially vertical and in which the internal transverse arch portion of the shoe is substantially elevated, including an arch support having a spring member disposed to move in alignment with the inner longitudinal arch and a separate spring member disposed to move in alignment with the outer longitudinal arch, said first mentioned spring member being bowed in the direction of the foot a greater distance than is said second mentioned spring member, and means whereby said spring members are independently yieldable in operation under pressures applied over the entire lengths thereof.

2,085,375
INSTRUMENT FOR SOLVING TRIANGLES
Ellis C. Lyons and Raymond G. McMahon, Portland, Oreg.
Application November 13, 1934, Serial No. 752,808
5 Claims. (Cl. 33—98)



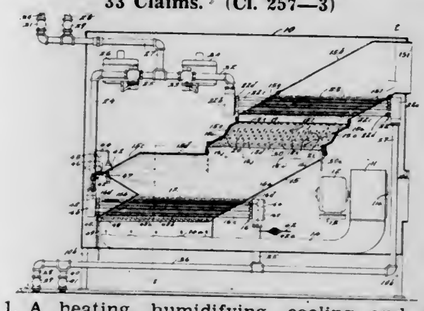
1. An instrument for solving problems in artillery fire control comprising adjustable members for simulating two triangles having a common base, one vertex at an end of said base having a pivot joint, the remaining vertexes having slidable pivot joints and means for setting and reading the angles of said triangles and for setting and reading the lengths of the sides thereof.

2,085,376
ART OF MANUFACTURING COFFEE
Leland S. Maede, Brooklyn, N. Y.
Application August 28, 1933, Serial No. 687,078
3 Claims. (Cl. 99—65)



1. A method of manufacturing coffee characterized by enhanced flavor extracting properties, which comprises cracking the roasted coffee, separating the fines from the coarser coffee and chaff, separating the chaff from the coarser coffee in the substantial absence of fines, grinding the fines and coarser coffee in the substantial absence of chaff, separately grinding the chaff, and finally mixing the ground coffee and separately ground chaff together to form a finished coffee.

2,085,377
HUMIDIFIER AND DEHUMIDIFIER WITH AUXILIARY UNIT
Gottlieb R. Magney, Minneapolis, Minn.
Application January 23, 1931, Serial No. 510,708
Renewed November 18, 1933
33 Claims. (Cl. 257—3)

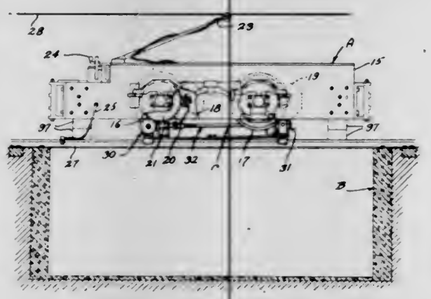


1. A heating, humidifying, cooling and dehumidifying device having in combination, a casing, a series of members in said casing having spaced surfaces adapted to receive and shed liquid, means for delivering a fine spray of liquid into said casing over said members, means adapted to receive a heating or cooling medium for heating or cooling said members, said casing being adapted for the passage of air therethrough, over said surfaces and through said spray, a second series of members in said casing

having spaced surfaces of non-absorbent material over which said air passes after it has passed over said first mentioned surfaces and through said spray, and means for heating or cooling said last mentioned members for drying or cooling said air.

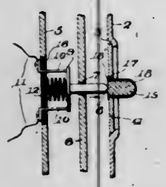
18. An apparatus for heating and humidifying a room having in combination, a heat exchange element, means for supplying a heating or cooling medium, a control device, means for supplying a liquid for humidification, a humidostat in said room, a thermostat subject to the temperature in said room for operating said control device, said control device constituting a master or limit switch permitting operation of said last mentioned means by said humidostat.

2,085,378
MACHINE FOR GRINDING LOCOMOTIVE WHEELS
Verner L. Martin, Mount Hope, W. Va.
Application April 8, 1936, Serial No. 73,335
7 Claims. (Cl. 51—179)



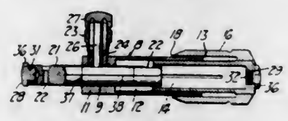
1. In a wheel grinder for locomotives provided with a plurality of drive wheels, a source of power, and means for transmitting said power to the drive wheels including a drive gear; a power take-off gear adapted to mesh with the drive gear, an adjustably mounted grinder wheel adapted for movement into and out of contact with one of the drive wheels, and a universally and telescopically adjustable connection between the power take-off gear and the grinder wheel whereby the grinder wheel may be actuated in its various adjusted positions by the power of the locomotive.

2,085,379
FIRE ALARM APPARATUS
Clarence L. Metzgar, Media, Pa.
Application August 8, 1935, Serial No. 35,308
7 Claims. (Cl. 200—142)



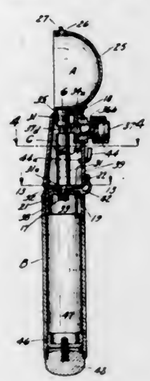
1. In a device of the class described, a spring-pressed switch member, a fragile disc adapted to be shattered to permit movement of said member and provided with an aperture, and a capsule positioned in said aperture and normally containing fusible material against which said member is normally pressed, and adapted upon softening to permit movement of said member independently of said disc.

2,085,380
MICROMETER
Ernest Muller, Oakland, Calif.
Application June 29, 1935, Serial No. 29,010
5 Claims. (Cl. 33—164)



1. A measuring device comprising, a body, a member extendible therefrom, a contractible tubular extension on said body, means movable in said extension, and means engageable with said extension for positioning said first means against said member for setting same and arranged to contract said extension about said first means.

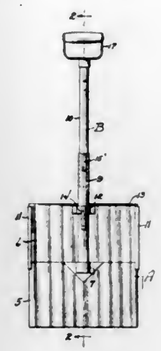
2,085,381
DISHER
Louis Myers, Galesburg, Ill., assignor to Myers Manufacturing Company, Galesburg, Ill., a corporation of Illinois
Application June 27, 1936, Serial No. 87,721
4 Claims. (Cl. 107—48)



1. A disher of the type described, comprising a bowl, releasing means therein, a tubular handle, bridging means connecting the bowl to the handle, closure means for keeping liquid from entering the handle, said closure means having a separate socket fitting tightly therein, actuating means for the releasing means, a part of the actuating means being mounted and rotatable in said socket, and a lever for operating the actuating means.

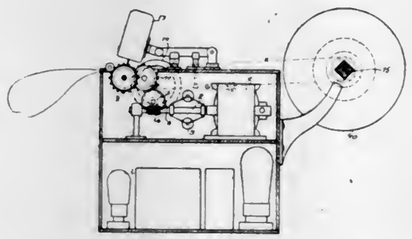
2,085,382
SNOW SHOVEL
Walter Nebor, Shamokin, Pa.
Application July 22, 1936, Serial No. 91,948
3 Claims. (Cl. 294—54)

1. A shovel of the character described comprising a blade having slidably interfitted sheet-like sections, a ferrule on one of the sections of the blade, an extensible and contractible handle



detachably fitting the ferrule, and a collar on the other section and slidably fitting the handle.

2,085,383
SOUND RECORDING AND REPRODUCING MACHINE
Leopold Neumann, Vienna, Austria, assignor to Diktiermaschinen - Patentverwertungs - Gesellschaft m. b. H., Vienna, Austria, a company of Austria
Application February 23, 1933, Serial No. 658,226
In Austria February 29, 1932
1 Claim. (Cl. 274—43)



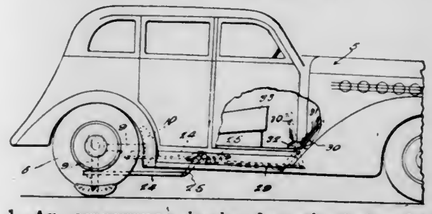
A sound record carrier for dictation machines with mechanical sound recording and reproduction consisting entirely of an unhardened gelatin band with a thickness less than 0.2 mm. and having at least one groove formed therein by the dictation machine, the band being capable of reproduction in the dictation machine in the unhardened state.

2,085,384
CUSHION SHEET
William G. D. Orr, Chicago, Ill., assignor to A. B. Dick Company, Chicago, Ill., a corporation of Illinois
Application September 1, 1936, Serial No. 98,866
2 Claims. (Cl. 41—3.5)

2. An open, porous and resilient cushion sheet for use in a stencil-sheet assembly, comprising open, porous and resilient paper, and colored material removably adhering to the fibres of the paper and insufficient in quantity to substantially alter the normal open, porous and resilient character of the paper.



2,085,385
EMERGENCY WHEEL BRAKE
Biagio Perillo, Jeannette, Pa., assignor of twenty per cent to Joseph Perillo, twenty per cent to Mike Ezzi, and twenty per cent to Louis Vella, Jeannette, Pa.
Application September 18, 1935, Serial No. 41,164
Renewed March 26, 1937
3 Claims. (Cl. 188—4)

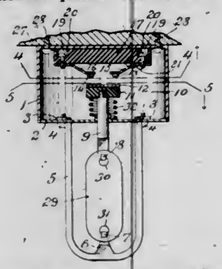


1. An emergency brake for wheeled vehicles comprising a ground engaging brake unit, means for swinging the unit to ground engaging position, roller bearings on the unit for supporting a vehicle wheel, and endless webs trained over certain groups of the said roller bearings.

2,085,386
THERMOCIRCUIT CONTROLLER
William J. Phillips, North Kansas City, and Raleigh Scovel, Kansas City, Mo.
Application January 13, 1936, Serial No. 58,904
1 Claim. (Cl. 200—142)

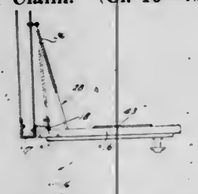
In a thermo circuit controller, a closed housing comprising an inverted cup shaped member, a bottom member normally closing the lower open end of said cup shaped member and provided with a perforation, and means releasably fastening together said two members, whereby said bottom member may be removed for access to the interior of said cup shaped member, an arm attached to said bottom member and extending downwardly therefrom and provided with a hook alined with said perforation, a rod extending through and reciprocative in said perforation and having at its lower end a hook, a plate of fusible material engaging said rod and said arm and having two holes through which said hooks respectively extend, insulation fastened to the inner side of the top of said housing, an insulation block on the upper end of said rod in said

housing, a contact carried on the top of said block, a coil spring encircling said rod and bearing at its ends respectively against the said bottom member and said block, for forcing said rod upwardly, when said fusible plate fuses, and two contacts



fastened to the first named insulation and normally separated from each other and the first named contact but engaging the latter when said plate fuses and said spring forces said rod upwardly.

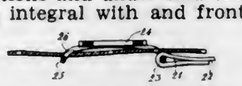
2,085,387
DOOR FOR RANGES
Harry S. Pletcher and Leonard A. Nelson, Joliet, Ill., assignors to The Moore Corporation, Joliet, Ill., a corporation of Illinois
Application August 30, 1934, Serial No. 742,103
1 Claim. (Cl. 16—72)



In a door structure for an enclosure having a door pivotally supported on an axis, a stop on the enclosure limiting the opening movement of the door to substantially 90° from its closed position, means on the inner side of said door pivotally connected therewith eccentric to the pivotal axis thereof for normally holding the door in closed position and for yieldingly holding it in such fully open position when once moved to said position, said means consisting of a rod pivotally supported within the door at a fixed point exteriorly of a vertical plane parallel to the sides of the door and containing the pivotal axis thereof, and a spring fixedly connected at one end with the rod and fixedly connected at the other end with the enclosure, whereby the connecting line between the points of attachment of the rod to the door and of the spring to the enclosure is located between the pivotal axis of the door and the stop for the door after the door has once been moved through an angle of substantially 90°.

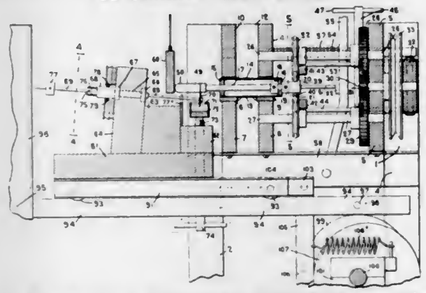
2,085,388
BUCKLE
Vincent A. R. Primavera and Saverio A. Spaziante, Brooklyn, N. Y.
Application April 7, 1936, Serial No. 73,058
3 Claims. (Cl. 24—174)

1. In a device of the class described, a buckle comprising a frame having two substantially coplanar end portions, a cross member intermediate said portions frontwardly spaced therefrom to allow for the thickness of a belt inserted over said end portions and under said cross member, and a prong integral with and frontwardly ex-



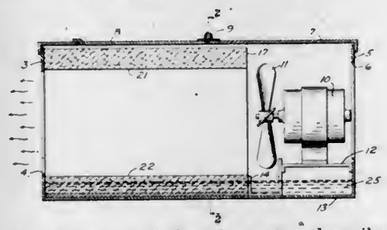
tending from one of said end portions, said prong being outwardly inclined with respect to said buckle.

2,085,389
MACHINE FOR DECORATING ARTICLES
Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application November 16, 1934, Serial No. 753,360
31 Claims. (Cl. 91—12)



7. A machine of the class described comprising a loading station and a painting station, a horizontal series of parallel painting spindles at said painting station each having a thin metallic painting disk, means for simultaneously rotating said painting spindles, a horizontally movable carrier having a series of article-supporting spindles movable in a path in parallelism with and in proximity to said painting disks, and operable to carry the article-supporting spindles from the loading station to and from the painting station and to present said articles simultaneously to the respective painting disks, and means for rotating said article-supporting spindles at said painting station.

2,085,390
AIR COOLER AND HUMIDIFIER
James G. Quinlivan, Dickinson, N. Dak.
Application November 4, 1936, Serial No. 109,178
4 Claims. (Cl. 261—104)



1. In a device of the character described the combination of a container provided with an air intake at one end and an air discharge at the opposite end thereof; means for creating a stream of air through the container; and a plurality of moisture containing units disposed in the air stream, said units being in contacting relation with each other at their top and bottom portions, each unit provided with a vertically walled recess in a side facing an adjacent unit, each recess coextensive with the unit in a direction from the air intake to the air discharge to form an unobstructed passage for the air stream.

2,085,391
LYOPHILIC BIOLOGICALLY ACTIVE SUBSTANCES AND PROCESS OF PRODUCING THE SAME
John Reichel, Philadelphia, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application January 31, 1934, Serial No. 709,190
4 Claims. (Cl. 167—78)

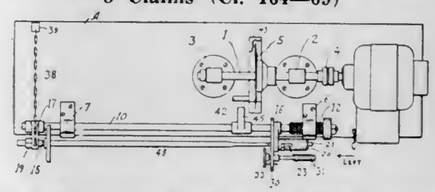
1. The improvement in the production of lyophilic, biologically-active substances from liquid biologically-active substances to obtain in a given container more of such substance than could be formed by initial, complete and direct lyophilization of the original liquid material therein, which comprises initially dehydrating the original liquid material while it is in a solid frozen state by the application of a high vacuum and without melting or softening thereof, then forming from the product of said initial dehydration a concentrated, liquid product containing substantially less water than the original material from which it was formed, and subsequently dehydrating at least a part of said concentrated product in a container insufficient in size to permit the initial dehydration of an equivalent amount of original liquid material necessary to produce the amount of concentrated material in said container, by removing water while it is in a solid frozen state by the application of a high vacuum and without melting or softening thereof until said product is in a lyophilic solid state.

2,085,392
CONTAINER WITH LYOPHILIC BIOLOGICALLY ACTIVE SUBSTANCES, ETC.
John Reichel, Philadelphia, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
Application December 19, 1934, Serial No. 758,319
3 Claims. (Cl. 215—47)



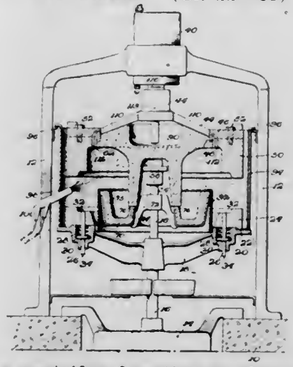
1. A container for lyophilic biologically active substances in the form of a glass bottle or vessel having an opening, a rubber stopper in said opening, a fixed glass tube extending through a passage in said stopper, said tube being open at the end extending into said bottle or vessel and sealed at the end protruding from said bottle or vessel, said stopper having a passage extending from the bottom thereof to a place near the top, and a depression in the top of the stopper opposite said passage, with a layer of rubber therebetween, which layer of rubber provides an easily perforable portion of said stopper, said container being evacuated and containing biologically active substances.

2,085,393
TRIMMING MACHINE
George Rosenberger, Muncie, Ind.
Application April 23, 1936, Serial No. 75,907
8 Claims (Cl. 164—69)



8. An apparatus of the kind described, comprising a rotative circular knife, mountings therefor, a carriage structure related to and having opposed aligned bearings with their axes parallel with the axis of the knife, and the said carriage being adapted to be moved toward and from said knife, a mandrel having its ends so adapted to said bearings that it may be manually disposed in and removed from its engagement with said bearings, the said mandrel being of reduced diameter at the portion thereof which is coincident with the plane of the knife, and there being an abutment on that portion of the mandrel which is remote from the said reduced portion, and a holder member adjacent to the bearing that is adjacent to the knife whereby to engage the end of the wall paper roll at a point spaced from the plane of the cutting edge of the knife.

2,085,394
CENTRIFUGAL CASTING
William D. Sargent, Newark, N. J., assignor to Durafer Incorporated, Newark, N. J., a corporation of Delaware
Application September 9, 1933, Serial No. 688,831
11 Claims. (Cl. 22—65)



5. In a centrifugal casting machine a two-part annular mold, means for rotating and supporting one of the parts upon a vertical axis, and an annular pouring trough within said mold independently supported and spaced therefrom and adapted for rotation with a part of the rotatable mold.

2,085,395
CUP DISPENSER
Harry Sebell, Boston, Mass., assignor to Boston Envelope Company, Dedham, Mass., a corporation of Massachusetts
Application March 16, 1935, Serial No. 11,450
3 Claims. (Cl. 312—55)

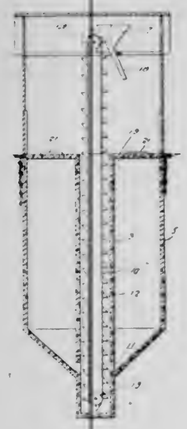
1. A cup dispenser comprising a container for holding a stack of cups, said container having an

opening in its bottom and a discharge slit between its bottom and its front wall, a slide beneath the bottom, means supporting the slide for forward and backward reciprocating movement, a cup ejector pivoted intermediate of its ends to the slide and having at its front end a cup-engaging portion for engaging the lowermost cup of said stack through said opening thereby to eject the cup through said discharge slit, means for moving the slide backwardly and for-



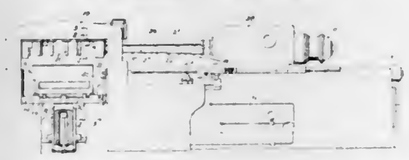
wardly, a switch cam supported in depending relation from the bottom and adapted to cooperate with the rear end of the cup ejector to hold the cup-engaging portion thereof raised through said opening when the slide is moved forwardly, and to hold said cup-engaging portion in a lowered position when the slide is moved rearwardly and spring means supported by said slide for raising the rear end of the cup ejector when it reaches the forward end of the stroke thereby to shift the cup-engaging portion to lowered position.

2,085,396
UNDERGROUND GRAIN STORAGE ELEVATOR
August Smolczyk, Ogallala, Nebr.
Application September 25, 1936, Serial No. 102,590
1 Claim. (Cl. 214—17)



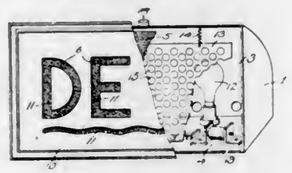
A grain elevator comprising a bin set in the ground with its top at ground level, a shed mounted upon the top of the bin and having a doorway therein through which vehicles can pass and onto the top of the bin, a vertically movable conveyor having its lower end mounted in the lower portion of the bin and its upper discharge end mounted in the top portion of the shed, and a spout mounted in the top portion of the shed for receiving material from the discharge end of the conveyor and directing the same laterally of the conveyor.

2,085,397
MACHINE TOOL
John M. Strachan, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application December 1, 1933, Serial No. 700,500
Renewed December 12, 1936
24 Claims. (Cl. 77—3)



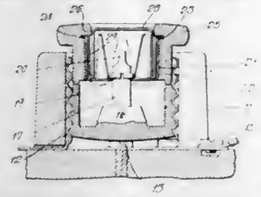
1. A machine tool for machining the cam shaft bearing recesses in an engine block in which said recesses are disposed in the vertical plane of a ledge on the internal wall of the block, said machine tool having, in combination, a table having an upper surface along which a block may be slid horizontally in inverted position, a gauging stop disposed in the path of said block when slid onto said table, a support above said table having downwardly extending projections spaced according to the axial spacing of said recesses and alined with the crank case opening in said block when the latter is disposed against said stop, each of said projections having a laterally extending lower end portion adapted to project around said ledge when the projection is disposed adjacent one inner side wall of said block and said end portions each having a tool bearing hole offset horizontally from said recesses when said block is initially positioned against said stop, power actuated means for effecting relative vertical movement between said table and said support whereby to cause said projections to enter said opening, power actuated means operated automatically in timed relation to said vertical movement after said end portions have been brought opposite said ledges to shift said block horizontally a distance sufficient to aline said recesses and said tool bearing holes vertically, and means to release said stop and permit shifting of said block by said last mentioned means.

2,085,398
ILLUMINATED SIGN
Thomas Taaffe and Parley Moffett, Los Angeles, Calif.; said Moffett assignor to said Taaffe
Application May 20, 1935, Serial No. 22,370
15 Claims. (Cl. 40—133)



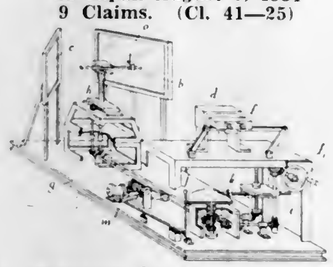
10. In an illuminated sign, in combination with a housing, a source of light within said housing, and a translucent sign-plate forming a wall of said housing, of a perforated shield suspended between said plate and said light-source, electromagnetic means to maintain said shield in motion, and means to make said motion irregular.

2,085,399
DUMMY PLUG OR SEAL FOR FUSE SOCKETS
Frederick B. Thomson, Teaneck, N. J., assignor to Metropolitan Device Corporation, Brooklyn, N. Y., a corporation of New York
Application February 25, 1933, Serial No. 658,652
13 Claims. (Cl. 173—356)



8. A circuit isolating plug comprising an inner externally screw-threaded insulating section and an outer insulating section that is free from screw-threads, means rotatably connecting said two sections in axial alignment, said inner section having a polygonal section-rotating stem which said outer section overlies and said outer section having a passage leading from said end face to said stem into which passage a suitable tool can be inserted to engage said stem and rotate said inner section.

2,085,400
METHOD AND APPARATUS FOR REPRODUCING SCULPTURED OBJECTS
Takashi Tomozawa, Yotsuya-ku, Tokyo, Japan, assignor to Nippon Kogaku Kogyo Kabushiki Kaisha, Tokyo, Japan, a corporation of Japan
Application June 13, 1935, Serial No. 26,391
In Japan August 7, 1934
9 Claims. (Cl. 41—25)

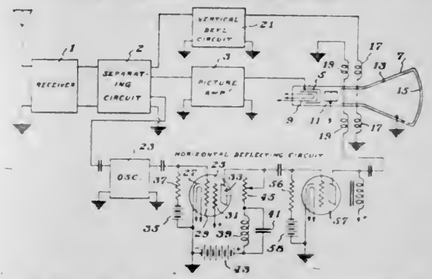


9. In apparatus for plastically reproducing solid objects, an object station, an arm adapted to be positioned transverse to the vertical axis of said station, an indicator point carried by one end of said arm, means to rotate the arm about said axis and to move it vertically along the axis, manually operable means to move said arm radially of said axis, a revoluble clay supporting table, gearing connecting the table with the means rotating said arm, a sculpturing tool extending above said table and mounted to move vertically and radially with respect to said table, gearing connecting the means for moving said arm vertically with the tool and moving the latter vertically in unison with the arm, other gearing connecting the tool with said manually operable means and moving the tool radially in unison with the radial movement of the pointer, a motor drive for the means to rotate the arm and move it vertically, said motor drive including reversing gearing controlling the vertical direction of movement of the arm, and clutch means controlling said reversing gearing to cause vertical movement of the arm selectively up and down; in combination with photo-stereoscopic means producing an apparently solid virtual image of the object to be reproduced and a similar image of the indicator point with the images in cooperative relation whereby movement of the arm produces a corresponding movement of the image of the point.

2,085,401
VULCANIZING ACCELERATOR AND METHOD
Douglas Frank Twiss, Wylde Green, Sutton Coldfield, and Frederick Arthur Jones, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
No Drawing. Application March 31, 1931, Serial No. 526,766. In Great Britain April 23, 1930
10 Claims. (Cl. 18—53)

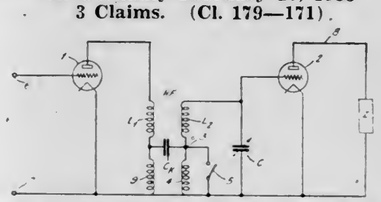
2. A method of vulcanizing rubber which comprises heating a rubber with sulphur and carbethoxybenzthiazylsulphide.

2,085,402
METHOD OF AND APPARATUS FOR PRODUCING ELECTRICAL WAVES
Arthur W. Vance, Philadelphia, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 18, 1934, Serial No. 744,533
12 Claims. (Cl. 250—36)



1. A deflecting circuit for a cathode-ray tube comprising an inductance coil having sufficient capacity in parallel therewith to form a circuit resonant at a certain frequency, and means for impressing voltage impulses upon said circuit which occur at a frequency substantially greater than said certain frequency whereby the reactance of said circuit is capacitive, and a utilization circuit connected across said coil.

2,085,403
MULTIRANGE RADIO RECEIVER
Carel Jan van Loon and Herre Rinia, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware
Application April 19, 1934, Serial No. 721,367
In Germany February 17, 1933
3 Claims. (Cl. 179—171)



1. In an amplifier for a wide range of radio frequencies, the combination of a transformer secondary winding, a variable condenser connected across the ends of said winding, a tap inter-

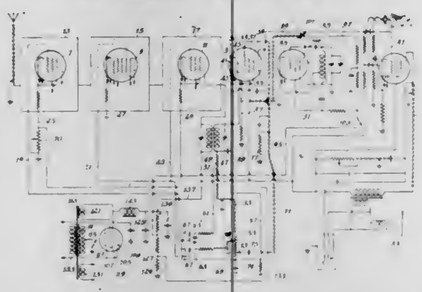
mediate the ends of said secondary winding, a switching device connected between said tap and one end of said secondary winding, a primary winding arranged adjacent said secondary winding, a condenser having one side connected to an intermediate point of said primary winding and its other side to the tap on said secondary winding and means for impressing a wide range of radio frequency currents on said primary winding.

2,085,404
VARIABLE RESISTANCE
Johannes Bernardus Lambertus Vollenbroek, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application November 26, 1934, Serial No. 754,693
In Germany January 3, 1934
4 Claims. (Cl. 201—56)



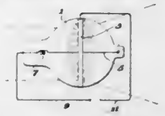
1. A variable resistance device comprising a fixed resistance wire, a movable member contacting with said resistance wire, means movable with said movable contacting member and spaced from said resistance wire, and a resilient material carried by said spaced movable means and in engagement with the resistance wire on both sides of said movable member for cleaning said wire in the path of travel of said movable contacting member in either direction.

2,085,405
DETECTOR-OSCILLATOR COUPLING SYSTEM
Robert R. Welsh, Haddonfield, N. J., and John D. Reid, Ardmore, Pa., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 30, 1934, Serial No. 755,374
8 Claims. (Cl. 250—20)



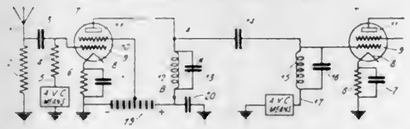
1. The combination with an electric discharge amplifier device having a cathode and two diode anodes, providing a double diode rectifier with said cathode, of means for applying signal modulated electrical oscillations to be rectified between one of said anodes and the cathode, means for applying unmodulated electrical oscillations at a differing frequency between the other of said anodes and the cathode, biasing means connected with said last named anode for preventing rectification in connection with the cathode of said additional oscillations thereby, and an output circuit for said device.

2,085,406
ELECTRICAL DEVICE
Vladimir K. Zworykin, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1933, Serial No. 687,575
16 Claims. (Cl. 250—11)



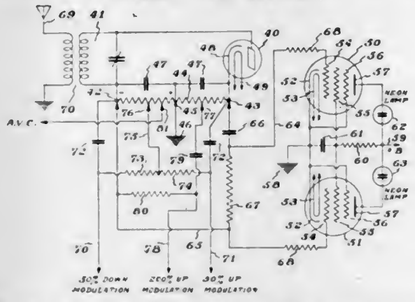
1. A device for refracting ultra high radio frequency energy, said device comprising means for producing a region of free electric charges, means for distributing said charges in said region, and means for transmitting said energy through said region, whereby said energy is differentially impeded.

2,085,407
AMPLIFYING DEVICE
William Stoddard Barden, Grasmere, Staten Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1934, Serial No. 759,856
6 Claims. (Cl. 179—171)



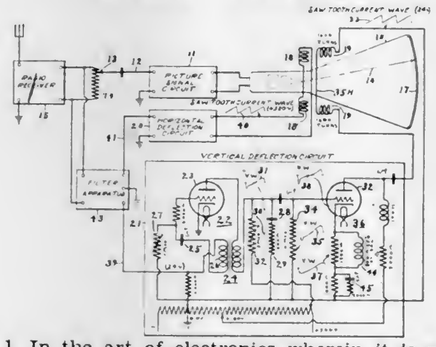
1. In combination, a resonant circuit comprising a coil and condenser connected in parallel and tunable through a desired range of signal frequencies, means for impressing signal voltages on the terminals of said circuit and a voltage divider arrangement connected effectively across the terminals of said coil and comprising the series connection of a condenser and a parallel resonant circuit having a resonant frequency substantially the same as the lowest frequency of the range to be amplified.

2,085,408
DIODE RECTIFIER CIRCUIT
Loy E. Barton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1935, Serial No. 4,243
1 Claim. (Cl. 250—27)



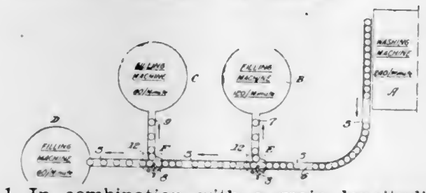
In a radio receiving system, the combination with a single diode rectifier, of a balanced output amplifier comprising a pair of electric discharge amplifier devices having a balanced output circuit, and means providing a balanced input circuit therefor in connection with said rectifier, said last named means including an output resistor in circuit with the rectifier and having connection therewith whereby the terminal ends thereof receive rectified signal voltages which are substantially 180° out of phase with each other, a mid-tap connection for said resistor, connections between said amplifier devices and said resistor on opposite sides of said mid-tap, and means in said connections for supplying a biasing potential to said amplifier devices from one side of said mid-tap.

2,085,409
TELEVISION SYSTEM
Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1932, Serial No. 614,117
Renewed October 22, 1936
19 Claims. (Cl. 250—36)



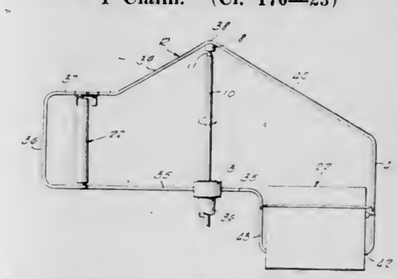
1. In the art of electronics wherein it is required that a substantially saw-tooth current wave pass at a given frequency through an inductive circuit comprising the load on an electron tube, the method of operation which comprises developing across the input circuit of said tube a voltage wave of a given shape and at said frequency, utilizing a feed-back action from a circuit of said tube to reshape the voltage wave, the reshaped wave being such that it is effective to cause a substantially saw-tooth wave to pass through the inductive circuit, and utilizing the reshaped voltage wave to cause the saw-tooth current wave to pass through the inductive circuit at said frequency.

2,085,410
CONTAINER CONVEYER AND DISTRIBUTOR
Christian N. Bergmann, Pittsburgh, Pa., assignor of two-sixths to Charles M. Clarke, Sewickley, Pa.
Application April 8, 1936, Serial No. 73,275
17 Claims. (Cl. 198—81)



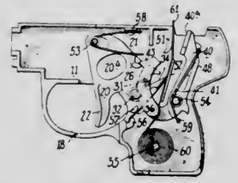
1. In combination with a main longitudinal conveyer trackway having means for progressing a continuous series of upright cylindrical units, a laterally disposed conveyer trackway leading away therefrom having a receiving opening for reception of units therefrom, a freely rotatable transfer switching device positioned at the junction of said trackways opposite said receiving opening having a plurality of equally spaced radiating arms and intervening concaved arm faces, each of said faces successively confronting approaching units and each of said arms successively extending rotatably across the longitudinal conveyer path for pocket engagement of its concaved face by an oncoming unit and for lateral thrusting by the terminal on an adjacent arm of the next following unit towards the receiving opening of the laterally disposed conveyer trackway.

2,085,411
ROTOR
Warren Biehn, Philadelphia, Pa.
Application September 11, 1936, Serial No. 100,236
1 Claim. (Cl. 170—23)



A rotor of the character described comprising a shaft, a rotor frame carried by the shaft, said rotor frame being formed with a pair of bearing surfaces on one side, a blade carried by said rotor frame and disposed between said bearing surfaces, said blade being disposed in a substantial parallel relationship with respect to the shaft, a second set of bearing surfaces on the frame on the opposite side of said shaft, a second blade carried by said frame and disposed between said second mentioned set of bearing surfaces and being disposed with its axis normal to the said shaft, and stop elements for limiting oscillating movement of each of said blades.

2,085,412
REPEATING TOY PISTOL
Willard R. Bixler, Kenton, Ohio
Application February 19, 1934, Serial No. 711,828
3 Claims. (Cl. 42—57)



1. An improved toy pistol comprising a two-part casing and having a trigger and a firing piece, including a hammer and a cap-strip advancing member mounted on the trigger, a cap-strip plate mounted on the casing, the said cap-strip advancing member being adapted to cooperate with the cap-strip plate to advance a cap-strip into firing position, the trigger piece being of generally triangular configuration and pivoted at one of the apexes, the lower apex portion serving as a finger section, the said trigger piece

including a socket on the bottom edge for receiving and moving the cap-strip-advancing member, and including on the third side and above the said socket member, a pivot member; a hammer member of generally U shape having a forward upper dog for engaging the trigger member and being disposed over and around the cap-strip plate, the hammer being pivoted at the bottom of its rear leg and the two legs of the hammer or firing piece being bridged to form a groove to permit the cap-strip to be fed therethrough.

2,085,413

CARBON COATED CONTAINER FOR ELECTROLYTIC CONDENSERS

Sidney Bloomenthal, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 27, 1933, Serial No. 673,162

10 Claims. (Cl. 175—315)



9. A cathode for an electrolytic condenser constituted by a container having a smooth adherent film of non-metallic conductive material on the interior surface thereof, said material comprising substantially pure graphite and polymerized resin.

2,085,414

COMMODITY PACKAGE

John J. Cavanagh, Farmingdale, N. Y.

Application December 18, 1934, Serial No. 758,022

3 Claims. (Cl. 46—11)



1. A package for juvenile commodities, comprising a box-like body having opposite walls formed with aligned openings therein and a spheroidal commodity within the body having a variegated surface with portions thereof projecting partially through the aligned openings and retained in juxtaposition thereto by the edges of the openings, whereby the portions projecting through one of the openings may be utilized to turn the commodity with reference to the openings, for exposing to view various portions of the surface thereof.

2,085,415

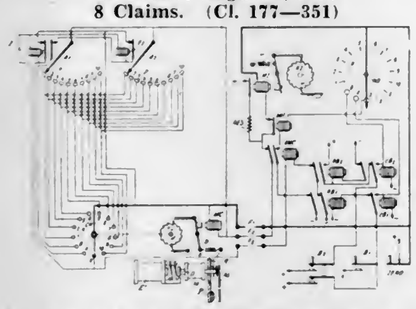
TELEMETRIC REPEATING INDICATOR

Louis Lucien Eugéne Chauveau, Paris, France, assignor to Compagnie Generale de Telegraphie sans Fil, a corporation of France

Application July 26, 1933, Serial No. 682,207

In France August 1, 1932

8 Claims. (Cl. 177—351)



1. In an apparatus for the transmission of indications to a distance, the combination composed of one part comprising at least one pointer measuring instrument whose reading is thereby transmitted to a remote control, an electro-magnet associated with said pointer and a finder device having an electro-magnet operable through a cycle of a predetermined number of contact steps, and of another part arranged at the point of observation and comprising an indicator for the reading of the instrument and operable through a cycle of a number of steps greater than that of the finder, three electrically conductive connections operatively connecting the two parts, contact means operable to establish by these connections an electrical circuit connecting said indicator and said finder to produce a discontinuous movement simultaneously step by step of the said indicator and finder under the action of electrical impulses transmitted to the electromagnet located at the point of observation, a series of electrical contacts arranged in a plane parallel to that swept by the pointer of the measuring apparatus, contact means operable to move the pointer perpendicularly to its plane to make electrical contact with that one of the series of contacts aligned with the pointer, ratchet means operable to control this movement including an electric circuit passing through two of the said conductive connections and a relay arranged at the point of observation and contact means operable to cause the indicator to reproduce the position of the pointer of the instrument resting against the contact by means of a circuit passing through the said pointer, the said contact, two of the said electrical conductive connections and the indicating device.

2,085,416

HIGH STRENGTH BRASS

Michael George Corson, New York, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc., a corporation of New York

No Drawing. Application October 6, 1936

Serial No. 104,233

6 Claims. (Cl. 75—155)

6. A copper base alloy which has a tensile strength above 100,000 pounds per square inch, an elongation under tension of at least 5%, and a composition within the limits: 10% to 20% zinc, 5% to 9% aluminum, 4.5% to 13% manganese, and the remainder substantially all copper, the copper amounting to at least 63% of the brass.

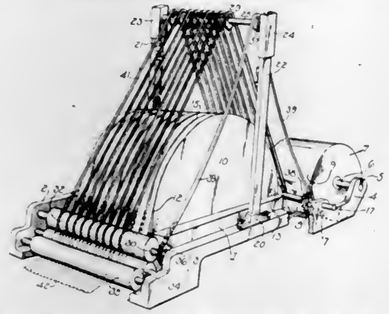
2,085,417

APPARATUS FOR CORRUGATING PAPER

Joseph D. Cramer, Goshen, Ind., assignor to The Chase Bag Company, New York, N. Y., a corporation of Delaware

Application August 24, 1935, Serial No. 37,736

8 Claims. (Cl. 154—30)



1. A creping machine, comprising a base plate having thereon a series of plates pivoted at the rear end and laterally adjustable at their front end and each plate having a groove in its upper face and traveling chains adapted to travel in said grooves to form pleats in the paper passing over said bed plates.

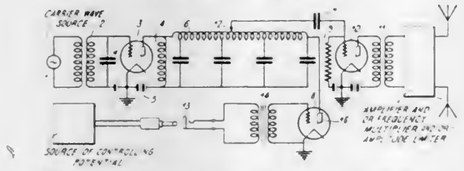
2,085,418

VARIABLE TERMINAL IMPEDANCE SIGNALING SYSTEM

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 27, 1933, Serial No. 704,121

28 Claims. (Cl. 179—171)



2. The method of signaling by varying the combined characteristic of reflected and incident waves along a line the terminal of which is shunted by the impedance of a thermionic tube and to which line the incident waves have been applied which includes the step of varying the impedance of said tube at signal frequency.

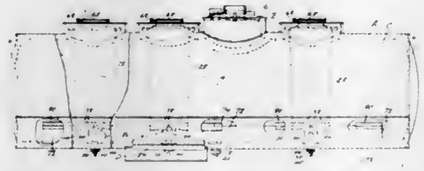
2,085,419

RAILWAY TANK CAR

Isaiah C. Davis, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application January 11, 1934, Serial No. 706,192

15 Claims. (Cl. 62—15)



1. In a railway car tank for liquid lading, a body, and means for maintaining the lading at a low temperature comprising refrigerant-holding containers within the body and suspended vertically from the upper portion thereof, and positioning elements in the bottom portion of the tank with which said containers are engaged.

2,085,420

METHOD OF MAKING OR REPAIRING ROADS

William P. Day, Cleveland Heights, Ohio, assignor to The International Vibration Company, Cleveland, Ohio, a corporation of Ohio

Application October 29, 1935, Serial No. 47,297

4 Claims. (Cl. 94—23)



1. The method of forming a roadbed which consists in spreading a layer of large particles of road-forming material, then spreading a layer of smaller particles of road-forming material, then applying rapid and violent vibrations to the road to cause the smaller particles to settle and to permeate the larger particles and to partially fill the voids therein, then spreading a layer of grout over the surface of the road so formed, and then again applying rapid and violent vibrations to the road to cause the grout to settle and to permeate the mass and to form a bond between the small and large particles.

2,085,421

TREATING AND STABILIZING WHEAT GERM

Peter John Donk and Alexander Ross Macdonald, Toronto, Ontario, Canada, assignors to Cerobrex Limited, Toronto, Ontario, Canada

No Drawing. Application October 9, 1934, Serial No. 747,578. In Canada November 13, 1933

15 Claims. (Cl. 99—83)

5. The process of treating wheat germ so as to produce a stabilized product for use in the manufacture of bakery products, free from rancidity and of good keeping quality, which comprises mixing sodium chloride with the fresh wheat germ, fine grinding the mixture to about the consistency of flour, adding thereto and thoroughly mixing therewith an inert non-fatty substance to act as a filler, and drying the resultant product.

2,085,422

METHOD OF DISTILLING OILS

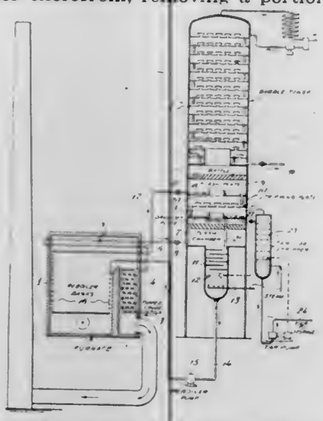
Fred L. Fast, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application December 4, 1935, Serial No. 52,755

4 Claims. (Cl. 196—73)

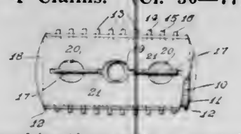
1. The method of distilling an oil susceptible to decomposition effects above a certain temperature to obtain therefrom a full yield of uncracked distillate products which comprises the following steps: heating the oil in a confined stream to a temperature near, but substantially below its cracking temperature level, passing it to a vaporizing step and separating vapors from liquid oil, mixing the liquid oil with a hydrocarbon heat carrier which is at a higher temperature still below the cracking temperature level of constituents of the first oil, contacting the mixture with steam to cause vaporization of a further portion of the liquid oil, heating the mixture in a second confined heating stream to a temperature close to the cracking temperature level of constituents of the first oil, passing the heated mixture to a vaporizing step to separate vapors and leave a residuum, contacting the residuum with vapors and steam from the first va-

porization to effect removal of a final portion of vapor therefrom, removing a portion of resi-



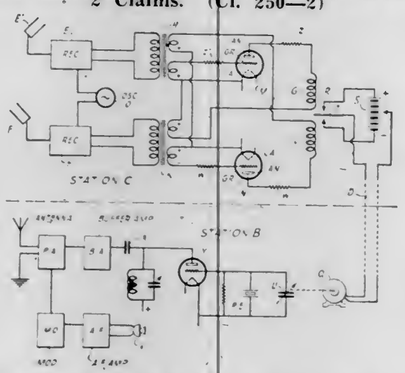
due from the system, and mixing the remainder with liquid oil from the first vaporization as a heat carrier therefor.

2,085,423
SAFETY RAZOR
Manuel Glazier, New Rochelle, N. Y.
Application April 1, 1936, Serial No. 72,021
4 Claims. (Cl. 30—77)



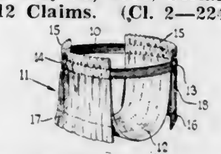
1. The combination with a straight-edge razor blade, of a toothed guard having relatively short end portions, the corner portions of which are gradually reduced so that the end-teeth are slimmer and shorter than the teeth between the end-teeth, and wherein the teeth at the centre are at uniform length and the teeth between the centre-teeth and the end-teeth gradually diminish in length towards the end-teeth.

2,085,424
SYNCHRONIZATION SYSTEM
De Witt Rugg Goddard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 12, 1936, Serial No. 63,473
2 Claims. (Cl. 250—2)



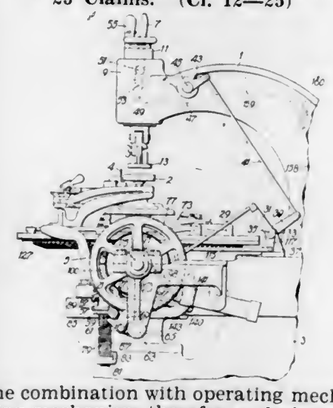
1. The method of synchronization which consists in producing two radio waves whose frequencies are to be synchronized, radiating said waves, separately receiving each of said radiated waves, and separately beating said received waves with a third wave to obtain resultant beat notes of audible frequencies, and controlling the frequency of one of the waves to be synchronized in accordance with the difference between said audible frequencies.

2,085,425
SUN SUIT
Mary Nash Goodwin, Williamsburg, Va.
Application July 15, 1936, Serial No. 90,627
12 Claims. (Cl. 2—224)



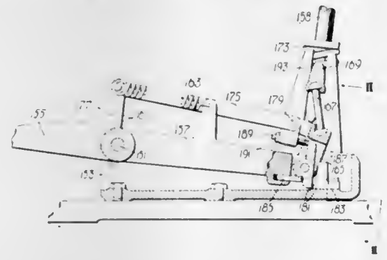
1. A sun and bathing suit especially for children comprising means forming a waist encircling band, an elongated fabric strip connected to opposed portions of the band-means and of a size to extend between the legs and cover the crotch and the front and back of the wearer below the waist while exposing his sides, said strip being of sufficient width in front to cover most of the stomach below the waist and of sufficient width in the back to cover substantially all of the buttocks of the wearer whereby gathering of the strip between the buttocks is avoided, skirt members permanently connected to said strip depending from the said portions of the band a sufficient distance to overlie the front and back parts of the strip when the suit is being worn, said means forming a waist encircling band being adapted to hold the suit on the wearer, said suit being producible from a single strip of fabric without forming a seam.

2,085,426
ROUNDING MACHINE
Joseph Gouldbourn and Harold Ernest Elliott, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 20, 1935, Serial No. 22,302
In Great Britain July 13, 1934
23 Claims. (Cl. 12—25)



1. The combination with operating mechanism, of driving mechanism therefor, a device movable to govern the connection of the driving mechanism to the operating mechanism, two controlling members both of which must be actuated by an operator to cause the connecting action of the device, and means whereby the controlling effect of one of the members may be maintained during a portion only of an operating cycle if said member is released by the operator.

2,085,427
TREADLE MECHANISM
Harold Ernest Elliott, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application May 20, 1935, Serial No. 22,302. Divided and this application December 6, 1935, Serial No. 53,250. In Great Britain July 13, 1934
6 Claims. (Cl. 74—518)



1. The combination with a work-clamping member to be actuated, of actuating connections therefor including a toggle which is normally broken, a treadle, connections between the treadle and toggle to move said toggle bodily and thereby produce contact of the member with the work, and other connections between the treadle and toggle to straighten said toggle to apply clamping pressure to the work.

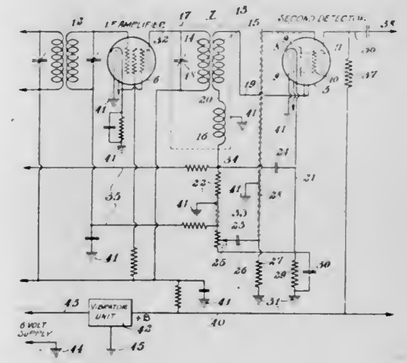
2,085,428
METHOD OF MAINTAINING OR INVIGORATING CULTURES OF BUTYL MICRO-ORGANISMS
Charles T. Hanson, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., New York, N. Y., a corporation of West Virginia
No Drawing. Application February 25, 1935, Serial No. 8,220
6 Claims. (Cl. 195—78)

1. A method for increasing the fermentative vigor of weakened cultures of butyl organisms, which comprises placing an inoculum of a culture of the organism on unsterilized soil, and after a period of the order of a month making a reisolation of the organism from the inoculated soil.

2,085,429
PREPARATION OF PHENOL
Ernst Herdieckerhoff, Opladen, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 13, 1936, Serial No. 95,848. In Germany August 15, 1935
4 Claims. (Cl. 260—154)

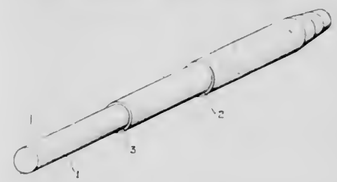
1. The process which comprises causing calcium hydroxide to react in an aqueous medium upon chlorobenzene at a temperature above about 300° C., the calcium hydroxide being employed in an amount of less than one mol. per mol. of chlorobenzene.

2,085,430
RADIO RECEIVER
Poul F. G. Holst, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1934, Serial No. 722,835
8 Claims. (Cl. 250—20)



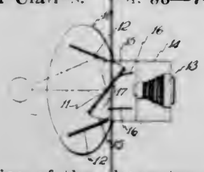
7. In a radio receiver, means operative to create audio frequency disturbances therein, the combination with a diode detector device, of an input coupling transformer therefor, comprising an untuned secondary winding connected with the diode anode, a tertiary winding associated with said first winding in series therewith, and connected in opposite phase relation thereto, and means for supplying signals to said secondary winding substantially to the exclusion of the tertiary winding.

2,085,431
COATED WELDING ELECTRODE
Robert S. Johnston, Yardley, Pa., assignor to John A. Roebling's Sons Company, Trenton, N. J., a corporation of New Jersey
Application May 5, 1934, Serial No. 724,192
3 Claims. (Cl. 91—68)



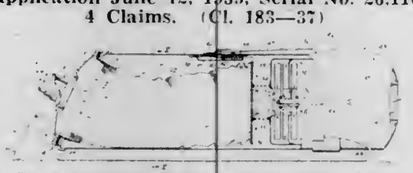
1. The process of producing a welding rod with a coating of weld-regulating composition of uniform dielectric strength at every cross-section of the coating, which consists in dipping a cylindrical rod of the desired welding metal into a fluid mixture of coating composition while maintaining its axis vertical, slowly withdrawing said rod while maintaining its axis vertical, repeating the dipping and withdrawing steps until the rod has a coating whose thickness at every point is greater than that of the required final coating, drying the coated rod until said coating has solidified, and then grinding away the exterior material of the coating while allowing the coated rod to rotate about an axis parallel to the longitudinal axis of the rod, until the thickness of the coating remaining on the rod is that which is required and is uniform at all points.

2,085,432
PHOTOGRAPHIC APPARATUS
Otho V. Kean, Bronxville, N. Y., assignor to Frederic P. Warfield, New York, N. Y.
Application June 11, 1934, Serial No. 729,991
11 Claims. (Cl. 88—74)



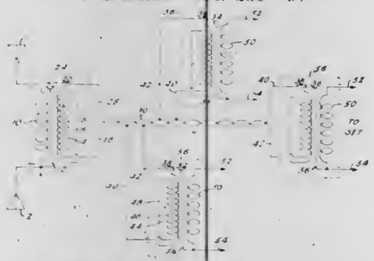
1. In a device of the character described, the combination comprising an article of furniture having a semi-transparent mirror in a predetermined position, said article being of a type which normally has an opaque mirror in said position, and photographic means behind and adapted for photographing through said mirror, the said semi-transparent mirror being sufficiently opaque to conceal the photographic means from a subject being photographed, while being sufficiently transparent to enable the photographic means to photograph the subject through the said semi-transparent mirror.

2,085,433
VACUUM CLEANER
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application June 12, 1935, Serial No. 26,110
4 Claims. (Cl. 183—37)



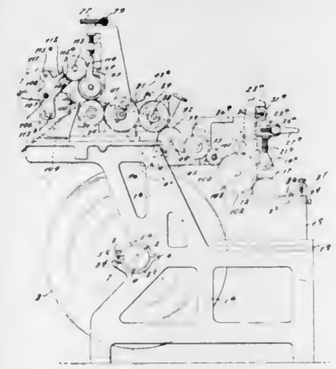
3. In a vacuum cleaner of the class having a casing forming a dust bag space and provided with means for producing flow of air therethrough, the combination with said casing of an elongated dust bag having an open mouth at one end and being closed at all other places, said bag tapering from both ends towards an intermediate point.

2,085,434
ANTENNA SYSTEM
Homer J. Loftis, Ironton, and Maurice F. McCarthy, Dayton, Ohio, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 15, 1932, Serial No. 617,292
5 Claims. (Cl. 250—9)



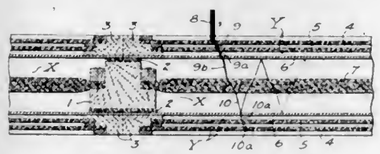
5. In a radio frequency transmission system, the combination of a source of modulated signal energy, a long radio frequency transmission line having a characteristic impedance, a coupling device for connecting said energy source to said transmission line, a plurality of similar coupling devices spaced apart along said transmission line and each having two windings and means connecting a plurality of said windings to said transmission line, the total impedance of said plurality of connected windings being substantially equal to the characteristic impedance of said line.

2,085,435
MANUFACTURE OF PRINTED AND DIE CUT ARTICLES
Oscar Frederic Lohmann, Tenafly, N. J.
Application December 4, 1933, Serial No. 700,826
5 Claims. (Cl. 101—153)



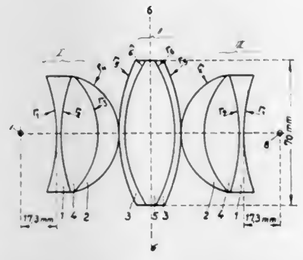
1. In a printing machine, the combination comprising intaglio printing means for printing a succession of raised designs upon a continuously moving web, cutting means having the configuration of the printed design spaced from said printing means for cutting the printed portions from the web, and coordinating means for synchronizing the action of the printing and cutting means.

2,085,436
SOUNDPROOF PARTITION
Herman W. Maurer, Cleveland Heights, Ohio
Application October 6, 1933, Serial No. 692,454
9 Claims. (Cl. 20—4)



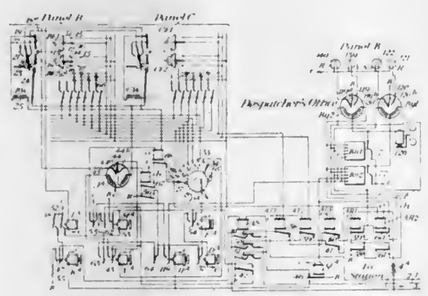
7. A wall comprising a pair of opposed side members having an air space therebetween, each side member having a panel at its inner side provided with a polished surface facing the corresponding panel of the other side member, and at least one sound absorbing panel of loosely compressed material disposed in spaced relation therewith, whereby sound waves penetrating one side member may be partially absorbed by said absorbing panel and whereby the unabsorbed waves may be transmitted through said inner panel to said air space and reflected between the polished surfaces of said inner panels.

2,085,437
OPTICAL LENS SYSTEM
Fritz Michelssen, Berlin-Steglitz, Germany, assignor to Neufeldt & Kuhnke Gesellschaft mit beschränkter Haftung, Kiel, Germany, a corporation of Germany
Application April 8, 1936, Serial No. 73,246
In Germany December 24, 1934
13 Claims. (Cl. 88—57)



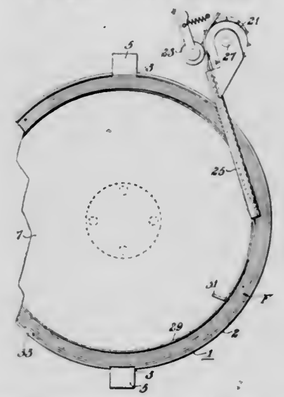
1. An optical lens system corrected for spherical and chromatic aberration for a range of wave lengths from 0.6μ to 2.6μ, and consisting of at least one front lens unit composed of at least one bi-convex halide crystal lens element of suitable curvature peripherally protected against the outside atmosphere and confined air-tight in axial direction between two outer silicious glass lens elements of dispersive power when combined and of a curvature to permit a ratio of aperture to focal length of at least 1:2, at least one of said silicious lens elements having a surface complementary to and in contact with said halide lens element.

2,085,438
REMOTE CONTROLLING APPARATUS
Alfred B. Miller, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 9, 1929, Serial No. 398,343
Renewed November 2, 1935
55 Claims. (Cl. 246—3)



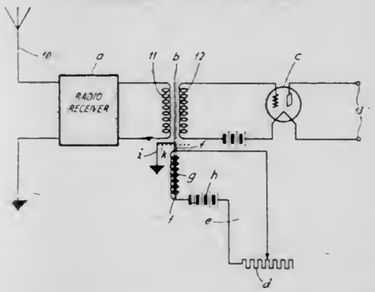
1. A centralized traffic controlling system for railroads comprising a control office and a station located at spaced points, line wires extending between said two points and affording a plurality of channels of communication between such points, means at each point for creating a series of distinctive code elements by modifying the electrical conditions of said channels individually or in combination, and means at each point selectively responsive to a series of such code elements originating at the other point.

2,085,439
FILM HANDLING APPARATUS
William J. Morlock, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1935, Serial No. 4,216
7 Claims. (Cl. 88—18.7)



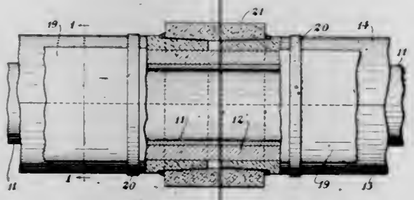
1. In film handling apparatus, the combination of a rotatable container, an abutment on the inner periphery thereof, a pivoted film guide angularly associated with said container and normally positioned to direct the forward end of a film passed therethrough toward said abutment, said guide being formed to flex the film transversely whereby to stiffen it longitudinally in said guide, means for feeding said stiffened film through said guide whereby the forward end thereof will engage said abutment and cause said container to rotate, and a substantially circular spring secured to said guide for insuring engagement of the forward edge of the film with said abutment, the ends of said spring overlapping each other.

2,085,440
VOLUME CONTROL DEVICE
Wilhelm Moser and Hans Dausel, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 16, 1935, Serial No. 45,204
In Germany October 30, 1934
2 Claims. (Cl. 178—44)



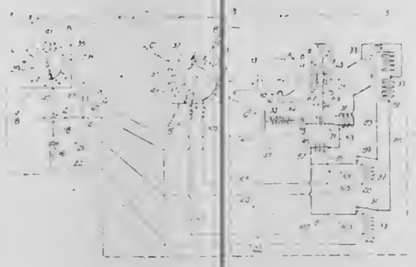
1. In a volume control device, the combination of a transformer having a core of magnetic material and primary and secondary windings, a third winding inductively coupled to said core, means for passing a steady direct current through said third winding and an electrostatic shield positioned between said transformer windings and said third winding.

2,085,441
PROTECTED CONDUIT
William H. G. Murray and George H. Miner, Syracuse, N. Y., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application November 11, 1936, Serial No. 110,201
7 Claims. (Cl. 138—64)



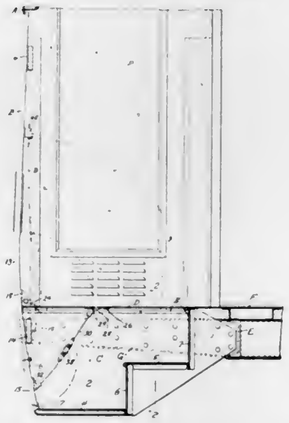
1. A conduit comprising a generally horizontally extending elongated member to be protected, a covering disposed thereabout and having in transverse cross section a practically circular exterior surface, and a protecting assembly including semitubes arranged in pairs, enclosing the said covering, and forming longitudinal joints between their edges, at the sides of the said covering, and a waterproof flashing element extending through each of the said joints, extending thereabove inside one of the semitubes, and extending therebelow outside the other of the semitubes.

2,085,442
REMOTE CONTROL
Arthur B. Newell, Kirkwood, Mo.
Application February 7, 1935, Serial No. 5,365
14 Claims. (Cl. 172—239)



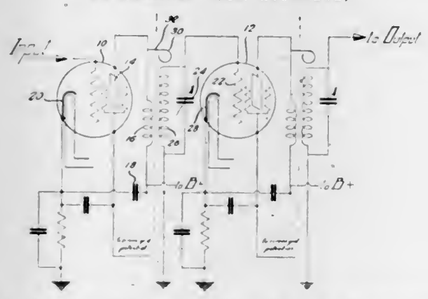
8. In remote control apparatus, a controlled element, a source of energy and a circuit energized thereby, an operating mechanism for moving the controlled element, means for effecting the energization of the operating mechanism comprising a plurality of switches in said circuit, a plurality of contacts in each switch, an electric circuit between switches, means in one switch whereby said circuit may be predeterminately closed to energize the operating mechanism, and means in the other switch associated with the operating mechanism whereby after a predetermined period of operation, said circuit is again opened, a positive brake for the controlled element operable only at predetermined positions of said controlled element, and a friction brake for decelerating the controlled element in conjunction with the operation of the positive brake, said positive and friction brakes being responsive to open when said operating mechanism is actuated.

2,085,443
CAR SIDE DOOR AND TRAP DOOR
Daniel R. Nichols and Herbert A. Stevens, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 17, 1936, Serial No. 59,512
10 Claims. (Cl. 105—450)



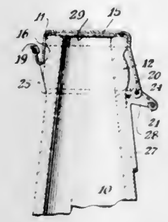
1. A side door assembly for railway car passageways having a step well and steps therein in the path of the door and comprising, a main door hinged to the car structure adjacent the passageway wall, an auxiliary door hinged to the lower part of the main door, a trap door covering said step well, and means connecting said trap door and auxiliary door for movement in unison, said trap door and auxiliary door being capable of upward swinging movement to a position permitting swinging of the side door assembly.

2,085,444
RADIO APPARATUS
Laurence M. Perkins, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 3, 1931, Serial No. 527,473
12 Claims. (Cl. 179—171)



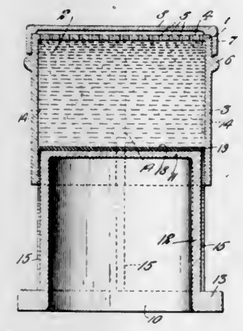
5. An amplifying system including a thermionic tube having cathode, grid and plate elements, a grid circuit joining the grid and cathode of the tube, a coil in the grid circuit, and a conducting member spaced from, but closely adjacent to, convolutions of the coil, said member being connected to a point the potential of which varies during the operation of the system, the capacity between the member and coil providing a low coupling impedance at radio frequencies.

2,085,445
CONTAINER CLOSURE
Per A. Peterson, New York, N. Y.
Application December 17, 1935, Serial No. 54,799
5 Claims. (Cl. 215—72)



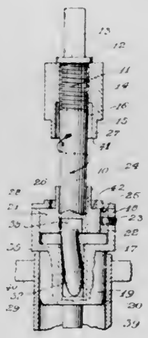
1. A bottle cap comprising in combination, a ring tight fitting the neck of a bottle, said ring having spaced parallel extensions terminating in opposed outstanding pintles all parts being in the same plane, a raised integral loop on said ring opposite said extensions, a cap including a circular disc provided with a cushioning pad, an extending arm on said cap bent and shaped to produce a detent engageable with said loop, an oppositely extending arm member on said plate bifurcated at its extremity to produce spaced coils engaging said pintles and an intermediate member coiled at its end, and a lever formed of a single wire to present two flat loops relatively long and short, said loops being disposed at an angle of less than ninety degrees, the short loop engaging the coil of said intermediate member and the long loop normally extending downwardly alongside the bottle neck for manual operation.

2,085,446
DISPENSING CONTAINER FOR POWDERS, PASTES, CREAMS, AND THE LIKE
Louis Philippe, New York, N. Y.
Application March 19, 1936, Serial No. 69,634
2 Claims. (Cl. 221—78)



1. A dispensing container of the class described comprising a rigid side wall and a perforated top, said container having a member slidable axially thereof for causing the contents of the container to be extruded through the top perforations, said side wall and said slidable member having a cooperating axial flange of substantial extent provided with a groove to guide the member as it slides axially within the container, and a pliable disc on said member to provide a seal with said wall for preventing the material from passing between said member and said wall.

2,085,447
EXPANDER
George Plaine, Barberton, Ohio
Application December 5, 1935, Serial No. 52,998
13 Claims. (Cl. 153—82)

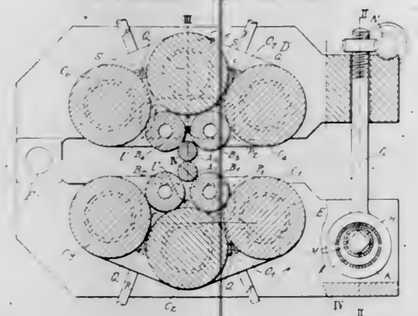


1. In a tube expander, including a mandrel and expander rolls cooperating therewith, means provided with said expander for changing, during operating, the angular position of said rolls in respect to said mandrel.

2,085,448
WIRELESS RECEIVING SET
Théophile Elphège Ponsot, Roger Bataille, and Georges Kirsch, Suresnes, France
Application August 23, 1934, Serial No. 741,070
In France June 13, 1934
1 Claim. (Cl. 250—20)

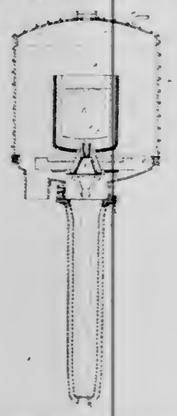
In a wireless receiving set, a B battery, a circuit connecting both poles of the B battery, means interposed in this circuit, allowing the operation of the low frequency stages to start only when the energy received exceeds a certain value, comprising: a resistance in series in the circuit, the internal resistance of a tube adapted to function under wireless impulses of not less than mean frequency in series in the circuit,—in parallel with the internal resistance: a neon tube, a battery connected, by its negative pole, to the grid of a low frequency tube and capable, by its action alone, of putting this grid outside the normal working conditions, a resistance interposed between the neon tube and this battery, annulling, upon lighting of the tube, the influence of the said battery,—another battery connected in opposition to the preceding one for the normal polarization, upon lighting of the neon tube, of the said low frequency grid, a device between these two batteries, allowing the current to pass only in the direction from the usual polarization battery towards the other battery,—a detecting anode being reserved for regulating the high frequency stages with the exclusion of the regulation of the automatically started circuit.

2,085,449
MULTIHIGH ROLLING MILL
Wilhelm Rohn, Hanau-on-the-Main, Germany
Application August 7, 1935, Serial No. 35,093
In Germany August 23, 1934
4 Claims. (Cl. 80—38)



1. A multi-high rolling mill comprising two pairs of frame members, a number of hollow rolls, hollow plates placed between the inner side faces of the frame members and both end faces of the rolls, there being ports in the said plates connecting the hollow spaces in the plates with the hollow spaces in the rolls and with the spaces bordered by the cylindric surfaces of adjacent rolls, and means for circulating oil from the hollow spaces in the plates at one side of the rolls to the hollow spaces in the plates at the other side

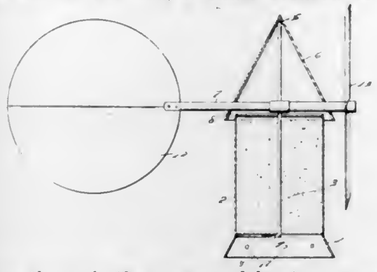
2,085,450
APPARATUS FOR PRODUCING METALLIC INGOTS
Wilhelm Rohn, Hanau-on-the-Main, Germany
Application March 13, 1935, Serial No. 10,895
In Germany April 23, 1934
2 Claims. (Cl. 22—57)



1. In a coreless electric induction furnace for casting metallic ingots provided with a tap-hole and a metallic plug closing the tap-hole, a coil surrounding the tap-hole and the said plug and adapted to be supplied with an alternating current to melt down the said plug at a predetermined time just before casting the metal.

2,085,451
WIND ACTUATED ADVERTISING DEVICE
Henry Ruck, Philadelphia, Pa.
Application April 21, 1937, Serial No. 138,153
3 Claims. (Cl. 40—39)

1. In a device of the character described, comprising a body portion in the form of a can having a filling to increase its weight, a rod passing through and secured to the can, a cone pivotally supported on the rod, a shaft secured to and

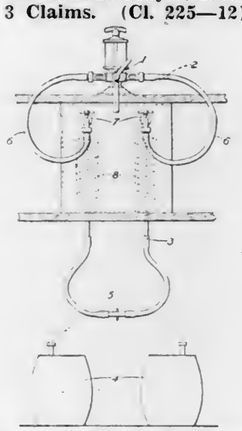


passing through the cone and having means to receive the rod, a vane on the shaft, and a wind wheel mounted to revolve on the shaft.

2,085,452
HIGH MOLECULAR WEIGHT SULPHUR COMPOUNDS
Paul L. Salzberg, Carrcroft, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 31, 1934, Serial No. 742,283
7 Claims. (Cl. 260—151)

1. Process for the preparation of esters of hydrogen sulphide, which comprises heating a compound of the formula: R—Y wherein R is a straight chain saturated aliphatic radical of 10 to 15 carbon atoms, and Y is the radical of an oxygen free inorganic acid with a sulphide salt of the formula: MSX wherein M is an atom of an alkali metal and X is a member of the group consisting of the alkali metals and hydrogen.

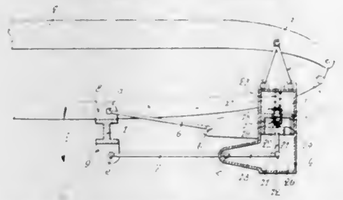
2,085,453
CLEANING DEVICE FOR HOSE, PIPES, AND THE LIKE
Eugene Schaer, Fort Frances, Ontario, Canada
Application June 29, 1935, Serial No. 29,059
In Canada May 9, 1935
3 Claims. (Cl. 225—12)



2. A cleaning device for hose, pipes and the like comprising, in combination with a hose or pipe circuit to be cleaned, valve means interposed therein including a valve housing having ports communicating with said circuit, a liquid inlet, a waste outlet and a valve member adapted to place said liquid inlet and said waste outlet in

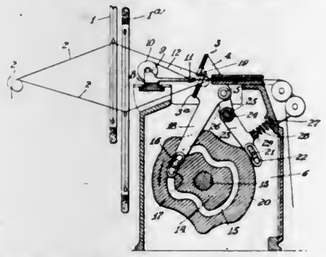
direct communication with each of said ports, and means for admitting a sterilizing solution to said liquid inlet comprising a mixing chamber mounted upon said housing, a liquid distributing nozzle in the bottom of said chamber, a channel in said housing connecting said nozzle with a source of water under pressure and a tube extending centrally through said mixing chamber, said tube having communication with said liquid inlet at its lower end and having a plurality of apertures at its upper end for the admission thereto of sterilizing solution from said mixing chamber.

2,085,454
AXLE TORQUE PREVENTING DEVICE
Jean Mercier, Neuilly sur Seine, France
Original application June 22, 1933, Serial No. 677,071. Divided and this application December 26, 1934, Serial No. 759,203. In France July 5, 1932
6 Claims. (Cl. 267—67)



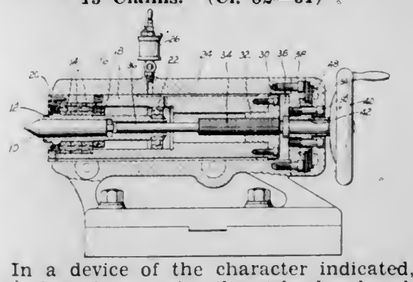
1. A device comprising in combination, a first member of the non-suspended part of a motor vehicle adapted to be twisted or rotated by a torsion couple, a second member pivoted to the suspended part of said vehicle, and two links of unequal lengths pivoted at one end to said first member at two points which are spaced apart and are situated substantially in a plane parallel to the plane of the couple to be resisted, and at their other ends to said second member.

2,085,455
LOOM
Hermann Sigel, Arbon, Switzerland, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland, a corporation of Switzerland
Application March 18, 1936, Serial No. 69,442
In Germany March 23, 1935
2 Claims. (Cl. 139—191)



1. In a loom, the combination of a divided reed, the two parts of which are opposed to each other and are offset to permit the placing of the weft thread between them, a reed carrier mounted to swing on a horizontal axis and on which both parts of the reed are mounted for constant engagement with the warp threads of both sides of the shed, a movable support for the axis of the carrier, an actuating arm in fixed relation with the carrier, an actuating arm in operative relation with the support, and a cam member having two separate cam surfaces, the actuating arm of the carrier being in operative engagement with one of the cam surfaces of the cam member and the actuating arm of the support being in operative engagement with the other cam surface of the cam member.

2,085,456
MOUNTING FOR LATHE CENTERS AND THE LIKE
Attilio R. Spicacci, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 3, 1936, Serial No. 66,872
13 Claims. (Cl. 82—31)



1. In a device of the character indicated, a shaft adapted to receive thrust load, a housing, a member anchored to the housing and having abutments, a sleeve on the shaft and shiftable endwise therewith, the sleeve having abutments facing the housing abutments, independent spring washers interposed between the sleeve abutments and the other abutments and being mounted in parallel and out of contact with one another to divide the thrust load; substantially as described.

2,085,457
PACKING RING JOINT SEALING SHOE WITH RING EXPANDER
Louis M. Westerhouse, Birmingham, Ala.
Application June 24, 1935, Serial No. 28,041
5 Claims. (Cl. 309—47)

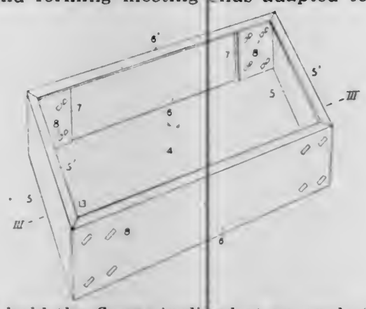


1. The combination of a jointed packing ring with overlapping ends at the joint and a one piece construction joint sealing shoe and ring expander forming an inner unit thereof, said inner unit when removed therefrom and free having a larger and uniform radius, but when applied therein having a corresponding radius, providing means to expand the packing ring and to keep the joint sealing shoe portion in close contact with its bearing under the packing ring joint, said joint sealing shoe portion having a width equal to the packing ring and a bearing of the same radius as the packing ring joint portion and of sufficient length to obstruct leakage through the packing ring joint, said expanding portions extending from the ends of the joint sealing shoe portion around within the packing ring.

2,085,458
BOX
Clarence H. Walker, San Mateo, Calif.
Application November 19, 1934, Serial No. 753,711
2 Claims. (Cl. 229—43)

1. A box having a cover, the walls of said box being internally scored adjacent the upper edges

and adapted to form an encircling inclined flange, the flange being cut away at the corners of the box and forming meeting ends adapted to nor-



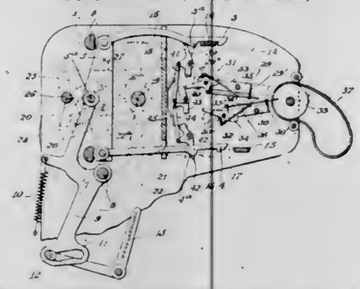
mally hold the flange inclined at an angle to the under plane of said cover and forming a continuous line contact therewith.

2,085,459

PATTERN MECHANISM FOR LOOMS AND THE LIKE

Georg Wiget, Arbon, Switzerland, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland, a corporation of Switzerland

Application July 21, 1936, Serial No. 91,646
In Germany August 3, 1935
14 Claims. (Cl. 139—331)



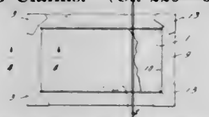
1. In a pattern mechanism for looms and the like having a pattern card, the combination of a carrier mounted to move in a right line toward and from the pattern card, means to reciprocate the carrier, a wippen or selector pivoted on the carrier, a needle pivotally connected to the wippen or selector and movable in a right line therewith to cooperate with the pattern card, a lever arranged for contact with the wippen, a guide for the needle, a part to be operated, and an operative connection from the lever to the part to be operated.

2,085,460

TRAY FOR JEWELRY AND THE LIKE

Frank S. Williams, Providence, R. I., assignor to The Mason Box Company, Attleboro Falls, Mass., a corporation of Massachusetts

Application February 20, 1936, Serial No. 64,833
13 Claims. (Cl. 229—34)



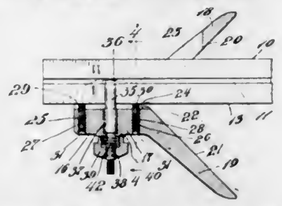
1. A tray comprising a cardboard backing having integral extensions folded upwardly to form outer sides and thence folded downwardly to form inner walls, side pieces of sheet material on said sides with flanges behind said backing and notches at the ends of the flanges, and corner members overlapping the adjacent ends of said pieces with tabs extending through said notches under said flanges, the side pieces having openings near their ends and said members having tongues extending through said openings.

2,085,461

COMBINATION RULE AND SLIDABLE HEAD

John S. Chafee, Providence, R. I., assignor to Brown & Sharpe Manufacturing Company, a corporation of Rhode Island

Application June 11, 1935, Serial No. 25,996
12 Claims. (Cl. 33—95)



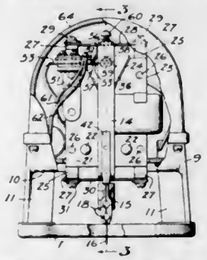
1. In combination, a rule, a head having a slot therein for slidably receiving the rule, and means in said slot for bearing against an edge of the rule at a plurality of spaced portions therealong and movably mounted with reference to the head for movement against said edge portion of the rule for laterally and also angularly adjusting the position of the head with relation to the rule.

2,085,462

SCROLLWORK CUTTER

Benton N. Ewing, Fayetteville, N. C., assignor to Martin Brothers Electric Company, Cleveland, Ohio, a corporation of Ohio

Application June 13, 1934, Serial No. 730,458
8 Claims. (Cl. 30—273)



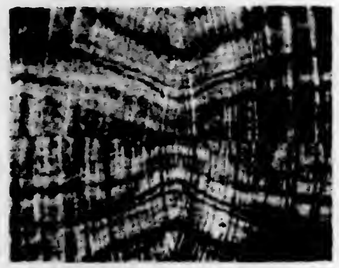
5. A machine of the character described comprising a supporting frame adapted to slide on material being cut, a pair of leaf springs, each of said springs having its ends secured to the frame at spaced points, a member supported and guided by said springs, said member being attached to the springs at points spaced from the points of attachment of the springs to the frame whereby said springs may flex to permit said member to have reciprocating movements with respect to the frame, a cutter carried by said member and extending vertically through said frame, and means on the frame for intermittently actuating said cutter carrying member out of the position in which it is normally held by said springs, said actuating means coacting with the springs to reciprocate said cutter carrying member to cause said cutter to reciprocate vertically through said frame.

2,085,463

CELLULOSIC PRODUCT

Russell Fortune, Indianapolis, Ind.

Application February 2, 1935, Serial No. 4,720
9 Claims. (Cl. 20—89)



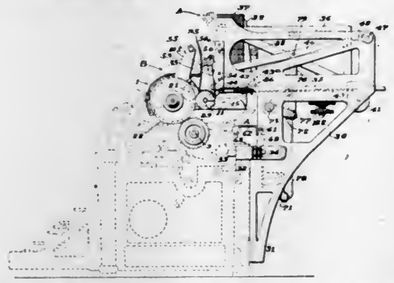
9. A flat lustrous veneer facing produced from commercial veneer, retaining and exhibiting undisturbed fibre orientation and inherent pattern and having a fibre structure in which the natural pigmentation is replaced by artificial coloration throughout.

2,085,464

FEED MECHANISM FOR TYPEWRITERS

Thomas French, Rumford, Maine

Application March 21, 1935, Serial No. 12,172
16 Claims. (Cl. 197—130)



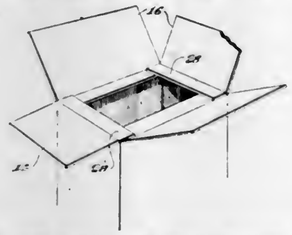
7. In a feed attachment for typewriters, a magazine for material to be printed, reciprocating fingers normally adapted to feed said material from said magazine and selective means operative to prevent said fingers from feeding material in reciprocation thereof.

2,085,465

CARTON

Oscar H. Hultin, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application March 14, 1934, Serial No. 715,502
10 Claims. (Cl. 229—14)



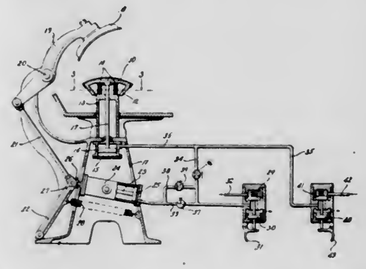
1. As a new article of manufacture, a carton provided with a body portion having top flaps for closing the top of the body portion, and supporting members forming a part of said body portion and folded to form a marginal supporting member within and adjacent to said top flaps to thereby form a support for the top flaps when the latter are folded down to close the top of the carton.

2,085,466

PRESSING MACHINE AND CONTROL

George W. Johnson, Cincinnati, and Angus F. Hanney, Norwood, Ohio, assignors to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio

Application November 26, 1934, Serial No. 754,698
14 Claims. (Cl. 38—25)



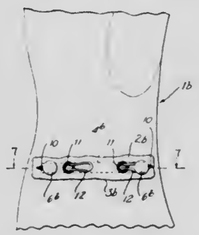
1. In a pressing machine, a pair of cooperating relatively movable pressing members, power storage means adapted when released to urge one of said members toward the other member, means for energizing and holding energized said power storage means, means for relatively moving said members into juxtaposition, means for coincidently causing actuation of the two last-named means, and means for thereafter releasing said power storage means to place said members under final pressure.

2,085,467

GLOVE

Sarah Lipton, New York, N. Y.

Application July 7, 1936, Serial No. 89,299
11 Claims. (Cl. 2—162)



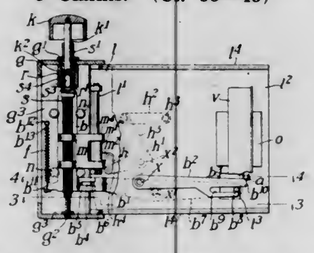
1. In a garment, the combination with the garment material, of an elastic band extending girthwise at one side of the garment to produce a gathering of the material, buttonholes set girthwise in the garment body member at a distance apart greater than the length of the unextended elastic buttoning members carried by the elastic band at opposite ends thereof for detachably connecting the elastic band in place, and button locking members carried by one of the elements for interlocking with the buttoning members after the buttoning members have been buttoned in place.

2,085,468

OBJECTIVE-SHUTTER DISTANCE-ADJUSTING AND RELEASING APPARATUS ON PHOTOGRAPHIC CAMERAS

August Nagel, Stuttgart, Germany, assignor to The Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 5, 1937, Serial No. 119,135
In Germany December 27, 1935
6 Claims. (Cl. 95—45)



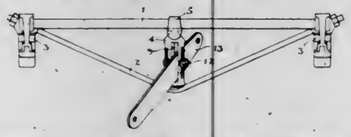
1. In a photographic camera, the combination with a camera housing including a camera body and a movable carriage, an objective movably mounted upon said carriage, and a shutter also mounted upon said carriage and including a shutter operating arm, of a focusing means between said objective and said camera body and for imparting a focusing movement to said objective, an actuating means between said shutter operating arm and said camera body and for operating said arm, and an operating member mounted on said camera body for two types of movement and operatively but independently connected to said focusing means and to said actuating means whereby one type of movement of said operating member operates only the focusing means while the other type of movement of said operating member operates only the actuating means.

2,085,469

BEAM STRUT AND BRAKE LEVER SUPPORT

Earle W. G. Paterson, Lindsay, Ontario, Canada, assignor of one-half to Robert W. Davis and one-half to George W. Cable, Toronto, Ontario, Canada

Application March 15, 1935, Serial No. 11,197
1 Claim. (Cl. 188—232)



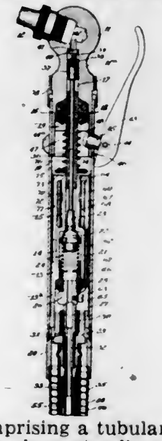
The combination with a brake beam and brace rod therefor and a brake lever and pivot pin to be variably supported therebetween, of a one-piece strut comprising a single casting formed with a solid longitudinal central core of increasing cross sectional area toward each end said strut having a rectangular box-shaped portion at one end to receive the brake beam and the other end of the strut being formed with a transverse groove to receive the brace rod, bars spaced from said central core and rigidly connecting the end portions of the strut and presenting with said central core right-angularly intersecting brake lever slots, and pivot pin openings extending through said bars and central core with their axes right-angularly intersecting centrally of the said central core, said central core presenting outer faces which are concaved longitudinally whereby to provide for the said cross-sectional increase toward each end and to accommodate the head or nut end of the pivot pin.

2,085,470

DENTAL SYRINGE

Alphonse F. Pieper, Brighton, N. Y.

Application May 8, 1936, Serial No. 78,603
27 Claims. (Cl. 219—39)



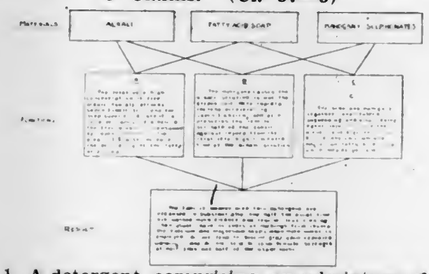
1. A syringe comprising a tubular body, a fluid holding tubular member extending longitudinally within the body, outlet means for the fluid within said member movable longitudinally on the tubular body, a valve within the body for controlling the fluid actuated by said outlet means when moving it in one direction on the tubular body, and heating means within the body surrounding a portion of the tubular member therein.

2,085,471

DETERGENT COMPOSITIONS

Warren T. Reddish, Cincinnati, Ohio, assignor to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio

Application September 21, 1933, Serial No. 690,390
9 Claims. (Cl. 87—5)



1. A detergent, comprising, an admixture of 10 to 60% mahogany sulphonates, 90 to 40% fatty acid soap, both of which are adapted to substantially dissolve in water, and a water soluble alkali one-third to thirty times greater in quantity than the quantity of alkali necessary to neutralize the mahogany sulphonic and fatty acid content of the mixture.

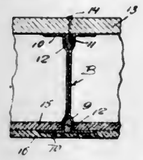
9. The process of washing fabrics, which comprises, agitating the fabrics in an aqueous solution of mahogany sulphonates, fatty acid soap, and a quantity of water soluble material, such as caustic soda, adapted to provide a reaction in said solution which is highly alkaline, said quantity being two to five times the combined weight of the soap and sulphonates content of said solution.

2,085,472

METALLIC FRAME CONSTRUCTION

Samuel E. Roush, Midland, Mich.

Application June 19, 1935, Serial No. 27,449
5 Claims. (Cl. 72—115)



1. In a building construction, a stud unit of general I-beam formation and comprising two parts of similar form, each part consisting of a strip of metal laterally offset and then bent into right angular formation along both longitudinal edges, the intermediate portions of said parts being flat and secured together to provide the web of said stud unit, said laterally offset portions of the stud parts providing resilient connections between the intermediate and right angular portions thereof for yieldingly retaining a nail receiving insert forced into the space between the inner flanges of the adjacent right angular portions of said parts.

2,085,473

FLEXIBLE IMPERVIOUS AND WEATHER-PROOF MATERIAL

William Wallace Rowe, Cincinnati, Ohio, assignor to The Paper Service Company, Lockland, Ohio, a corporation of Ohio

Application January 30, 1931, Serial No. 512,311
16 Claims. (Cl. 154—50)



2. A composite material comprising a body substance cemented by means of a bituminous adhesive between layers of creped paper, one of said layers being treated with a sizing substance whereby it is impervious to bitumen.

2,085,474

MONOHALOGENATED UNSATURATED KETONES CONTAINING A STEROL NUCLEUS

Leopold Ruzicka, Zurich, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application September 8, 1936, Serial No. 99,859. In Switzerland October 24, 1935
4 Claims. (Cl. 260—131)

1. The 3-keto-6-halogeno-$\Delta^{4,5}$ unsaturated compounds containing the sterol nucleus.

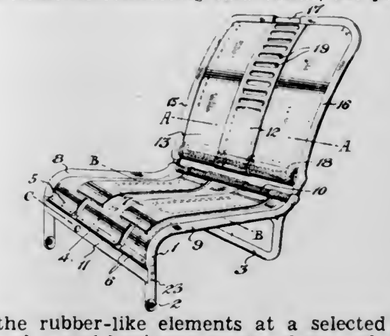
2,085,475

SEAT FOR AUTOMOBILES

Léon Saives, Billancourt, France, assignor to Louis Renault, Billancourt, France

Application May 7, 1936, Serial No. 78,472
In France March 27, 1936
5 Claims. (Cl. 155—187)

1. A seat adapted for use in motor vehicles, comprising a frame having side members, flexible seat and back panels attached to said side members, each of said panels consisting of a plurality of spaced canvas bands and rubber-like elements connecting said bands, the portion



of the rubber-like elements at a selected part of each panel having a greater degree of yieldable elasticity than at the other parts thereof.

2,085,476

PROCESS OF SYNTHETICALLY PREPARING β(10)-HYDROXYCAMPHOR

Yoshikazu Sahashi, Meguro-ku, Kunijiro Takeuchi, Setagaya-ku, Tsuruzo Shimamoto, Yodobashi-ku, and Tsuneyasu Iki, Omori-ku, Tokyo, Japan, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan

No Drawing. Application April 30, 1935, Serial No. 19,116. In Japan May 17, 1934
1 Claim. (Cl. 260—133)

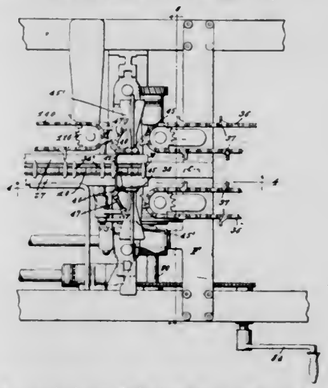
A process of synthetically preparing β(10)-hydroxycamphor, consisting in heating β(10)-halogen-camphor with an alkali metal salt of an organic acid selected from the group of acetic, propionic and benzoic acids to form the corresponding ester and saponifying the ester by treating with an alkali.

2,085,477

CONTAINER FABRICATING MACHINE

Henry T. Scott, Toledo, Ohio, assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio

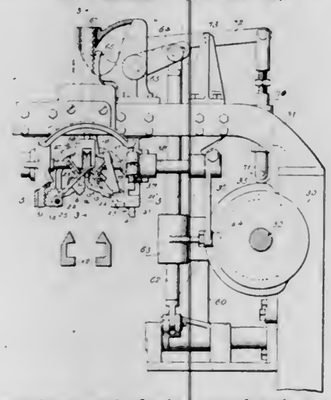
Application October 16, 1934, Serial No. 748,565
13 Claims. (Cl. 93—7)



1. In a container fabricating machine, in combination, a plurality of fixed, horizontally spaced devices for successively acting upon a container to close and seal the same, a horizontally disposed conveyor positioned below said devices and vertically adjustable relatively thereto, and fixed

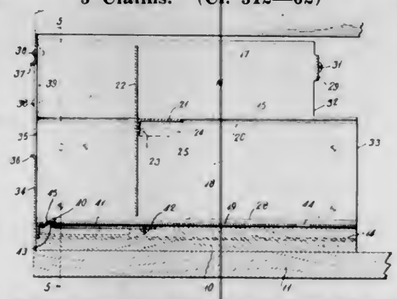
means for placing containers upon said conveyor, at one end thereof, for all adjustments of the conveyor.

2,085,478
FOLDING MECHANISM
Henry T. Scott, Toledo, Ohio, assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Application October 16, 1934, Serial No. 748,566
17 Claims. (Cl. 93—6)



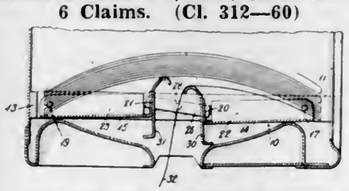
1. Container end closing mechanism comprising opposed movably mounted container panel engaging and folding members, a container end flap engaging and deflecting member, and means for actuating said members in timed relationship whereby the end flap deflecting member is actuated prior to the panel folding members.

2,085,479
DISPENSER CABINET
Glenn A. Shaffer and Franklin H. Wirtz, Green Bay, Wis., assignors to Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application April 6, 1933, Serial No. 664,812
5 Claims. (Cl. 312—62)



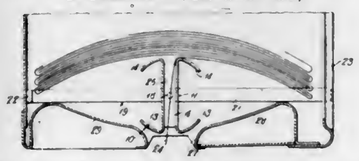
5. A dispenser for folded paper napkins, comprising a container of rectangular cross-section having its side walls provided with longitudinally extending narrow slots and having an apertured front end, a follower plate within said container, a carrier for said follower plate comprising a member having a part secured to said follower plate and having flat end portions projecting outwardly through the slots in said side walls, said carrier supporting said follower plate for movement in said container, said flat end portions being in sliding engagement with said slotted side walls and having extended bearing in said slots to prevent tilting of said plate about a horizontal axis, means secured to said carrier and adapted to have extended bearing engagement with the surfaces of said side walls to prevent tilting movement of said follower plate about a vertical axis, and springs secured to said flat end portions outwardly of said side walls for constantly urging said follower plate toward said apertured front wall.

2,085,480
SHEET DISPENSER
Glenn A. Shaffer, Green Bay, Wis., assignor to Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application December 8, 1934, Serial No. 756,684
6 Claims. (Cl. 312—60)



1. A dispenser for interfolded sheets comprising, in combination: a casing structure; sheet supporting bottom members terminating at opposed edges spaced apart midway of the bottom of the casing to provide an elongated delivery opening; said members hingedly connected to the structure at their portions opposite said spaced apart edges whereby said edges are vertically movable; and supporting means for said edges pivoted to the structure midway of said opening; said means causing lifting of either of said edges when the other thereof is depressed.

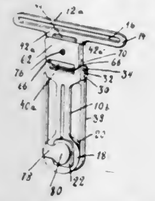
2,085,481
INTERFOLDED SHEET DISPENSER
Glenn A. Shaffer, Green Bay, Wis., assignor to Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application December 8, 1934, Serial No. 756,685
4 Claims. (Cl. 312—60)



3. An interfolded-sheet dispenser comprising, in combination: a casing having a delivery opening; an element pivotally mounted in said casing on a horizontal axis to oscillate above said opening; said element comprising rigidly connected spaced members providing a sheet delivery passage therebetween; the upper margins of said members formed in arcs of a circle struck from said axis to extend in opposite directions from the opening of said passage, to provide sheet-supporting surfaces; pull upon an interfolded sheet during its withdrawal causing oscillation of said element to sweep said surfaces into and out of sheet supporting position in alternation.

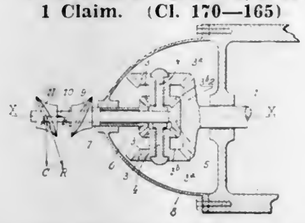
2,085,482
SUPPORTING CLASP FOR PERSONAL WEAR
Alberto Signorini, Buenos Aires, Argentina
Application July 2, 1936, Serial No. 88,653
7 Claims. (Cl. 24—245)

1. A supporting clasp for articles of personal wear comprising a rigid base, an attachment element secured to said base, a hollow hook-button on the end of the base remote from said attachment element, a cushion of resilient material within said hook-button, an enlarged portion at the end of said base remote from said hook-button, a pair of parallel arms extending from the transverse free edge of said enlarged portion and defining between them a substantially rectangular recess, a wall extending along each of the lateral edges of said enlarged portion and along the outer edges of said arms, said



walls projecting at right angles to said base on the same side thereof as said hook-button, a curved cam slot in each wall, a rigid clamping member having an end adapted to engage said hook-button and provided at its opposite end with a reduced neck portion of width such as to allow said neck portion to move freely into and out of the space between said walls, said neck portion having on each lateral edge thereof an outwardly directed pin extending freely into the corresponding cam slot.

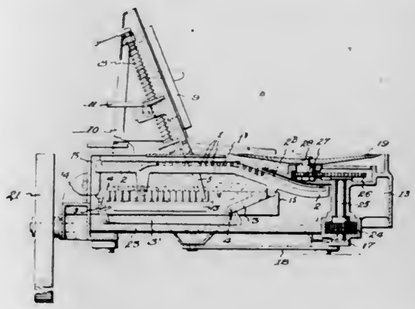
2,085,483
AIRCRAFT PROPELLING DEVICE
Jean Jacques Trébucien, Paris, France
Application November 12, 1935, Serial No. 49,395
In France December 4, 1934
1 Claim. (Cl. 170—165)



An aircraft propelling device comprising in combination a driving shaft, a driving pinion rigidly connected with said driving shaft, a pair of propellers of reverse pitches, a driven shaft in line with said driving shaft and rigidly connected with one propeller, a tubular shaft surrounding said driven shaft and rigidly connected with the other propeller, two sun gears respectively secured to said driven and said tubular shafts, a freely rotatable spider coaxial with said shafts, and loose planetary pinions rotatably supported by said spider and having two toothings one of which is in mesh with both sun gears and the other in mesh with said driving pinion.

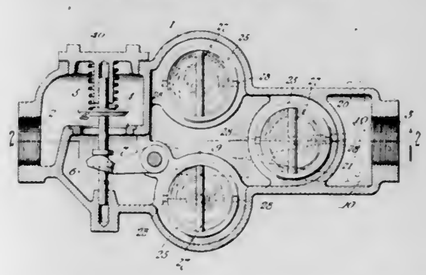
2,085,484
MEAT CUTTING MACHINE
Willem P. van Lammeren, Voorschoten, Netherlands
Application August 15, 1932, Serial No. 628,909
In the Netherlands August 15, 1931
3 Claims. (Cl. 146—105)

1. A slicing machine for meat or other material, comprising a frame, a substantially horizontally disposed and rotatable disc-knife thereon, a work holder movable in a substantially horizontal plane toward and away from the knife, a flexible platform arranged under the knife and the work holder for receiving and stacking the formed slices, curved and grooved guides mounted for vertical and rocking movement in the frame for movably supporting the platform close under the



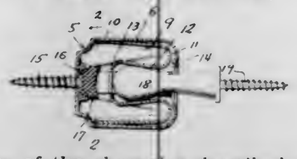
edge of the knife so as to support the slices immediately from the moment of starting the cutting of each slice and allowing descending of the platform with the work as the slicing proceeds, and coupling means between a part of the platform and the work holder for giving the platform a to-and-fro movement in the guides when the machine is operated.

2,085,485
AUTOMATIC FIRE CHECK
William H. Van Horn, Baltimore, Md., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md., a corporation of Maryland
Application June 2, 1933, Serial No. 674,082
In Great Britain June 8, 1932
8 Claims. (Cl. 48—192)



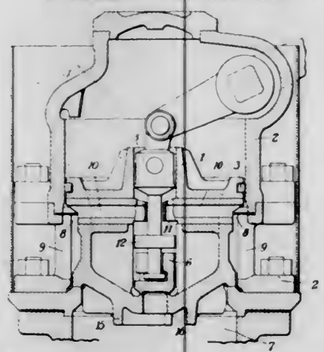
5. In a fire check for combustible fuel pipe lines, the combination of a casing having inlet and outlet passages therein, a partition wall adapted to separate the passages, the partition wall including a portion extending longitudinally of the casing, flame interrupting means removably mounted in the longitudinally extending portion of the partition wall, the casing outer wall being provided with a normally closed aperture to permit the flame interrupting means to be bodily removed therethrough, the partition wall having a valve port therein, a self-closing valve to control the port, a heat responsive device in the outlet passage of the casing, means within the casing and controlled by the heat responsive device for normally holding the valve in open position, and a normally closed aperture in the wall of the casing opposite the valve to permit the valve to be bodily removed therethrough.

2,085,486
HOLDER
Lazzaro V. Villani, Milford, Mass.
Application January 14, 1936, Serial No. 59,151
1 Claim. (Cl. 292—76)



A keeper of the character described comprising a shell open at one end, a fastener projecting from the opposite end of the shell, inwardly disposed and longitudinally extending depression in the shell defining troughs between the same, elongated strip spring members snugly disposed in the troughs and having their ends adjacent the opening bent backwardly, the free ends of the backwardly bent forces being disposed in converging relation.

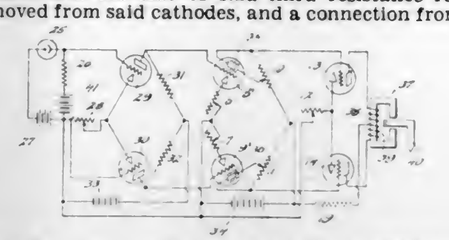
2,085,487
BALANCED STEAM INLET VALVE
Fritz Wagner, Berlin-Lichterfelde, Germany
Application December 18, 1934, Serial No. 758,120
In Germany January 27, 1934
5 Claims. (Cl. 277—36)



1. A balanced steam inlet valve, comprising a principal valve, an auxiliary valve, an equalizing chamber arranged adjacent the principal valve, a throttling disc arranged in the principal valve and adjacent the auxiliary valve, and a pipe in the principal valve having a downwardly-extending opening adapted to be closed by the disc and a hole in addition to the opening, said pipe communicating with the live steam space in front of the principal valve and the equalizing chamber.

2,085,488
ELECTRICAL SYSTEM
Benjamin W. Woodward and John R. Hancock, Brooklyn, N. Y., assignors to Walter C. Howey, New York, N. Y.
Application April 18, 1935, Serial No. 17,141
2 Claims. (Cl. 179—171)

1. In an electrical system, a pair of like thermionic tubes, each having a cathode, anode and control electrode, resistance means connected between the anodes of said tubes, a source of potential positively connected to an approximate mid value point in said resistance means and negatively connected to said cathodes, a third resistance connected between said point and said cathodes, a source of input potential connected between a control electrode of only one of said tubes and the side of said third resistance removed from said cathodes, and a connection from



said last mentioned side of said third resistance to the control electrode of the other one of said tubes substantially impedance free.

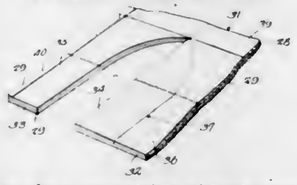
2,085,489
PROCESS FOR PREPARING TEA FREE FROM THEINE
Karl-Heinz Baruth, Berlin-Charlottenburg, Germany
No Drawing. Application October 16, 1935, Serial No. 45,349. In Germany June 9, 1934
In Germany June 9, 1934
6 Claims. (Cl. 99—69)

1. A process for preparing tea free from theine without employment of steam and heat, consisting in applying solvents which are low-boiling for withdrawing the aroma substances from the tea, thereupon applying basic compounds dissolved in alcohol for splitting up the theine salts, applying a volatile solvent for removing the theine, thereupon adding the solution of aroma substances and finally vaporizing the solvent, said low-boiling solvents being selected from a group consisting of acetylene dichloride, methyl chloride and ethylchloride.

2,085,490
CHEWING GUM COMPOSITION
Kenneth G. Blaikie, Shawinigan Falls, Quebec, Canada, assignors to Shawinigan Chemicals Limited, Montreal, Canada, a corporation of Canada
No Drawing. Application August 14, 1933, Serial No. 685,075
10 Claims. (Cl. 99—135)

1. A chewing gum composition comprising as the essential ingredient polyvinyl ester having an average viscosity between 1.5 and 6 centipoises, characterized by absence of bitterness and prepared from vinyl ester containing not more than substantially .05% of aldehyde.

2,085,491
PAPER BOX
Clarence Lloyd Claff, Randolph, Mass.
Application June 13, 1935, Serial No. 26,478
4 Claims. (Cl. 229—34)



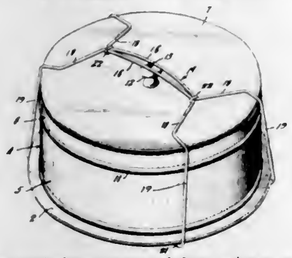
1. A paper box comprising a blank made up of affixed thicknesses of box board material, said blank having one surface coated with finishing paper, the said thicknesses cooperating to provide a

blank having side portions, side wings, and foldable end flaps, there being recesses in one thickness of each end flap at the side thereof and correspondingly shaped ears at the sides of the other thickness of each end flap, said ears being folded onto the outer thickness of the end flaps and seated in the recesses provided by the inner thicknesses of the end flaps, the side wings of the blank being extended toward each other and the end flaps with the folded side ears being astride and affixed to the side wings.

2,085,492
PROCESS OF MAKING UREA RESIN PRODUCTS
Carleton Ellis, Montclair, N. J., assignor, by mesne assignments, to Plaskon Company, Incorporated, a corporation of Delaware
No Drawing. Application January 13, 1934, Serial No. 706,559
3 Claims. (Cl. 260—3)

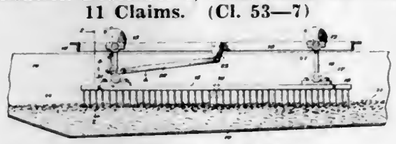
1. The process of making condensation products initially soluble in water which comprises reacting urea and aqueous commercial formaldehyde of normal acid reaction in the molar proportions of 1:1.5 of urea to formaldehyde at temperatures below 35° C. in the presence of added methanol in an amount equal to from 25% to 100% of the aqueous commercial formaldehyde.

2,085,493
CAKE CONTAINER
Harry G. Evitt, Baltimore, Md., assignor to The Parker Metal Decorating Company, Inc., Baltimore, Md., a corporation of Maryland
Application January 9, 1936, Serial No. 58,373
4 Claims. (Cl. 220—1)



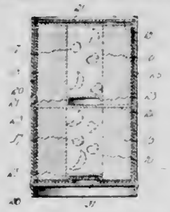
1. In a container comprising a tray and a cover therefor, a handle to secure the cover to the tray comprising two independent yoke members extending across the top of the cover and having ends engaging the under side of the tray at opposite sides thereof, and pivotal means joining the two members and permitting limited oscillation of said members with respect to each other.

2,085,494
IMPELLER MECHANISM FOR COOKING APPARATUS
Joseph D. Ferry, Harrisburg, Pa.
Application December 4, 1936, Serial No. 114,244
11 Claims. (Cl. 53—7)



1. In an apparatus of the character described, a container for the reception of a cooking liquid, an impeller in said container above the level of the liquid therein, means to move said impeller in an elliptical path to cause said impeller to dip into the cooking liquid, the major axis of the elliptical path of the impeller being substantially vertically arranged, and means to vary the minor axis of the elliptical path of the impeller.

2,085,495
CONFECTION
George Glen Fulkerson, also known as George Welden Fulkerson, Huntington Park, Calif.
Application February 28, 1935, Serial No. 8,748
1 Claim. (Cl. 99—137)



As a new article of manufacture, a confection comprising blocks of ice cream, each block having an opening through the center of the same and an inverted cup-shaped candy closure at the lower end of the opening to form a cavity, ingredients such as fruit and fruit juices and syrups within the cavity, a wafer forming a cover for each block over the ice cream and cavity, a coating of chocolate around the ice cream blocks and wafers, and an outer coating of hard candy forming an edible covering for maintaining the stability of the confection and to retard the melting of the ice cream.

2,085,496
LABEL-HOLDER APPLICABLE TO DOCUMENTS
Raymond Arthur Eugène Guichard, Paris, France
Application February 19, 1936, Serial No. 64,753
In France March 1, 1935
2 Claims. (Cl. 40—16)



1. In combination with an article of stationery formed of paper, cardboard and the like, a label-holder comprising a strip of cardboard arranged flatwise on the article, securing means anchoring the central longitudinal portion of the strip to the article so that the longitudinal edges of said strip are free throughout their length, a sheath of transparent material for sliding engagement with the fixed cardboard strip in such manner as to leave a space between the sheath and the strip and freely open at both its ends, and a removable label in the form of a thin cardboard strip of suitable length insertable in the space between the strip and the transparent sheath, said label being covered and protected by said sheath.

2,085,497
STORAGE BATTERY TERMINAL CLAMP
Erdman Rudolph Hiebert, Toronto, Ontario, Canada, assignor to Mechanical Research Corporation Limited, Kitchener, Waterloo, Ontario, Canada, a corporation of Ontario, Canada
Application July 3, 1935, Serial No. 29,689
5 Claims. (Cl. 173—259)

1. A storage battery terminal clamp comprising a V-shaped resilient member having depending tongues formed on the legs in the vicinity of

their tips, a bifurcated encasement of ductile electrical conducting material for the resilient member and including depending tongues cov-



ering the tongues of the resilient member, and means for attaching a cable to the bifurcated encasement.

2,085,498

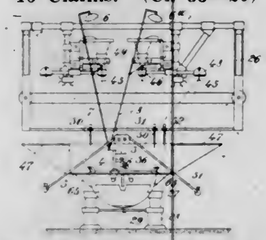
DEVICE AND METHOD FOR AERIAL SURVEY

Erich Hörner, Berlin, Germany

Application April 20, 1933, Serial No. 667,122

In Germany June 19, 1929

16 Claims. (Cl. 33—20)



1. Apparatus for surveying and physically reproducing objects of all kinds, particularly territorial surveying, with the aid of stereoscopic pictures and optical models, comprising at least two projectors adapted to hold the plates of the stereoscopic photographs in their natural positions in space, said projectors being arranged so that their projection rays in pairs are caused to intersect directly on the drawing or surveying table, whereby drawing, measuring out, and reproduction can be obtained in the direct ray path, a mark plate, a drawing device, and two projectors, the latter being connected with the drawing device by means of rods pivotable about the centers of the object lenses of the projections, whereby by shifting the drawing device both projectors are always adjusted on the point of the field to be illuminated.

2,085,499

TREATING LIQUID PARTIAL OXIDATION PRODUCTS

Joseph Hidy James, Pittsburgh, Pa., assignor to Clarence P. Byrnes, trustee, Sewickley, Pa.

No Drawing. Application May 31, 1921, Serial No. 473,798

18 Claims. (Cl. 196—142)

15. As a new composition of matter, a liquid fractionated portion of a mixture of aliphatic hydrocarbons of different molecular weights, a material percentage of which contains artificially-introduced chemically-combined oxygen to different degrees of oxidation in the range from alcohols to oxygenated organic acids.

2,085,500

TREATMENT OF OXYGEN DERIVATIVES OF HYDROCARBONS IN WHICH ALIPHATIC HYDROCARBONS PREDOMINATE

Joseph Hidy James, Pittsburgh, Pa., assignor to Clarence P. Byrnes, trustee, Sewickley, Pa.

No Drawing. Application March 26, 1924, Serial No. 702,136

16 Claims. (Cl. 260—99.12)

4. In the treatment of a liquid partial oxidation product in the range from alcohols to organic acids and containing hydrocarbon derivatives other than acids, the steps consisting of separating from the same a fraction by distillation containing a material percentage of aliphatic derivatives other than acids, then saponifying a portion of said fraction with lime, and separating the saponified from the unsaponified portion of said fraction.

2,085,501

MANUFACTURE OF ALKYL ACID SALTS

Joseph Hidy James, Pittsburgh, Pa., assignor to Clarence P. Byrnes, Pittsburgh, Pa., trustee

No Drawing. Application April 12, 1935, Serial No. 16,013

7 Claims. (Cl. 260—99.12)

1. In the manufacture of alkyl acid salts, the steps consisting of partially oxidizing liquid hydrocarbon, cracking the partially oxidized material, and then treating the same with a polybasic mineral acid to obtain alkyl acid salts.

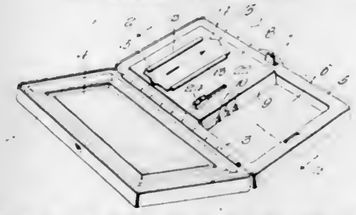
2,085,502

COMPACT

Walter Lampl, New York, N. Y.

Application July 1, 1936, Serial No. 88,465

14 Claims. (Cl. 132—83)



1. In a device of the character described, a body formed with a well, a container fitting snugly in said well and being of less length than the well to provide a pan between the container and one end of the well, a side wall of the container being formed with a discharge opening establishing communication between the container and the pan, a closure for the discharge opening mounted in the container for movement into and out of blocking relation to the opening, and means in the container for directing powder towards the discharge opening formed separate from the closure and moved towards the opening for discharging powder through the opening as the closure moves out of blocking relation to the opening.

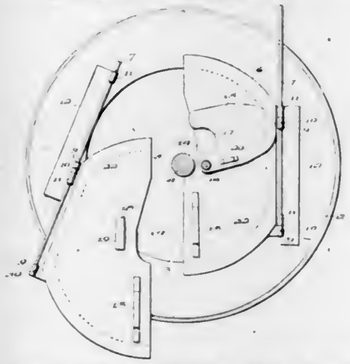
2,085,503

CLOSURE FOR CENTRIFUGAL MACHINES

James Lothian, Ewa, Territory of Hawaii

Application May 19, 1936, Serial No. 80,633

3 Claims. (Cl. 210—63)



1. A closure for an opening through which a shaft or spindle is adapted to extend, said closure

comprising two sections having edges adapted to meet on opposite sides of the shaft and also having cut away portions defining an elongated shaft receiving opening of greater area than the cross sectional area of the shaft, and means movably mounted on one of said sections for closing a portion of the opening unoccupied by the shaft.

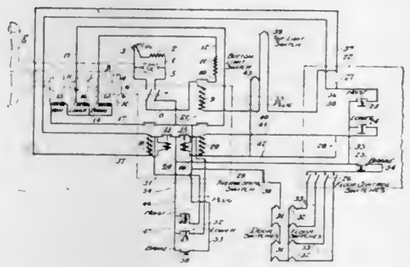
2,085,504

CONTROLLING APPARATUS

Rex D. McDill, East Cleveland, Ohio, assignor to Adjustable Scaffold & Form Company, Cleveland, Ohio, a corporation

Application October 6, 1932, Serial No. 636,511

12 Claims. (Cl. 187—29)



1. A control apparatus for object moving means including a source of power constantly operating in one direction, a power transmitting device, means for connecting said transmitting device to said source of power to operate it in either of two directions, and a brake, said control comprising electromagnetic means operatively associated with the connecting means for moving the object in one direction, electromagnetic means operatively associated with the connecting means for moving the object in the other direction, and electromagnetic means associated with said brake, a circuit including said first mentioned electromagnetic means, a circuit including said second mentioned electromagnetic means, said circuits having portions in common including said third mentioned electromagnetic means, a normally open switch in the separate portion of said first mentioned circuit, a switch in said portion of said circuits adapted to be opened by the object on reaching the predetermined position, a normally open switch in the separate portion of said second mentioned circuit, a switch in said portion of said circuit adapted to be opened by the object on reaching the predetermined position, a switch in the common portion of said circuits, and means normally maintaining the last mentioned switch closed.

2,085,505

ROTARY ENGINE

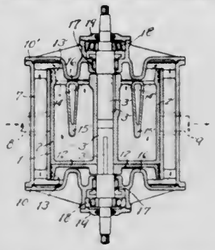
Masasuke Murakami, Tokyo, Japan

Application October 14, 1935, Serial No. 44,936

In Japan July 24, 1935

5 Claims. (Cl. 123—11)

1. An engine of the character described, comprising a stationary casing having a cylindrical bore, rotor members rotatably mounted in said bore, each of said members having an end plate at one end thereof, each rotor member also having a plurality of spaced hollow pistons projecting from said end plates into said cylindrical bore, the outer end of each piston being closed, said end plates having openings in alignment with the hollow pistons, a water jacket in the casing surrounding the cylindrical bore, means for feeding a cooling fluid to said water jacket, and means



placing said water jacket in communication with the openings in said end plates.

2,085,506

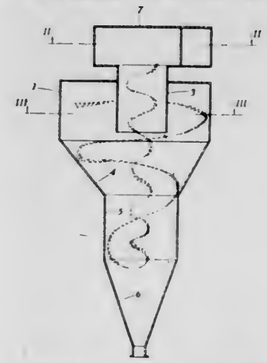
DUST COLLECTOR

Charles George McKeown, Belfast, Ireland, assignor to Bertram Norton, Claverley, Shropshire County, England

Application May 31, 1935, Serial No. 24,436

In Great Britain February 1, 1935

6 Claims. (Cl. 183—83)



1. In a centrifugal dust collector, means including a cylindrical part for causing the forward velocity of the air to increase during the first circuit of the air in the collector, and a truncated conical part arranged below the cylindrical part to receive the air after its first circuit in the collector, the conical part having its top edge coincident with the lower edge of the cylindrical part, and having its lower edge eccentrically disposed with relation to the lower edge of the cylindrical part, whereby to cause the air in moving downwardly through it to move in a path, the pitch of which increases continuously.

2,085,507

AUTOMATIC LOOM FOR THE MANUFACTURE OF KNOT STITCH CARPETS

Jules Monier, Paris, France, assignor to Societe Anonyme de Fabrication de Tapis a Points Noues Saftan, Paris, France

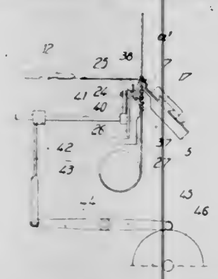
Application January 30, 1934, Serial No. 709,041

In France February 16, 1933

14 Claims. (Cl. 139—4)

1. In a loom for automatically weaving knot stitch carpets, warp selecting and weft beating means, movable carriages, a row of needles adapted to pass pile threads through the warp threads, said needles being adapted to be alternately exchanged from one carriage to the other during movement of the latter to wind

pile threads around the warp threads, means for actuating said carriages periodically, shuttle track forming members movable into position in the warp threads, a weft containing shuttle movable on said members, means for moving said members to operative position following the period of actuation of said carriages by said



actuating means for the transmission of a foundation weft by said shuttle, a needle changing device for removing said row of needles from one of said carriages and inserting a new row therein, and means for actuating said needle changing device during the formation of the foundation fabric.

2,085,508

METHOD AND APPARATUS FOR RECORDING THE TEMPERATURES OF HOT BODIES

Paul Neubert, Leverkusen-I. G.-Werk, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application April 22, 1935, Serial No. 17,739
In Germany April 26, 1934
3 Claims. (Cl. 88—14)

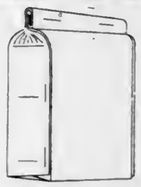
1. Method of measuring or indicating the temperature of spots on the surface of a hot object having a temperature below the limit of visibility which comprises exciting a luminescent surface to luminescence, optically projecting an image of the object upon one portion of excited luminescent surface for a predetermined length of time by means of the infra-red rays emitted by said object while excluding said radiation from a further portion of excited luminescent surface adjacent to said first portion, and measuring the difference in luminosity between the luminescent surface upon which the image has been projected and the luminescent surface from which the radiation has been excluded by extinguishing the difference in luminosity by means of a standardized gray wedge, whereby the position of the gray wedge is a measure of the difference in luminosity and therefore of the temperature of the corresponding spot on the object.

2,085,509

BAG

Adolf Rambold, Dresden-Laubegast, Germany

Application May 31, 1935, Serial No. 24,416
In Germany June 28, 1934
5 Claims. (Cl. 229—53)



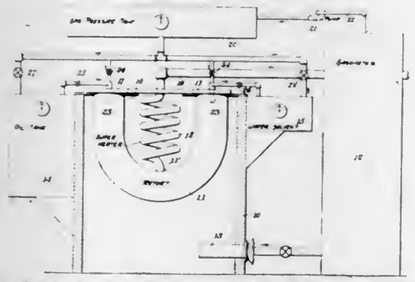
1. A glueless bag comprising a rectangular blank of sheet material folded U-fashion and with its two coincident edge portions at either side doubly folded upon themselves to form a tight side seam, and staples securing the folds in position.

2,085,510

APPARATUS FOR GENERATING FUEL GAS

Herbert E. Rider, New York, N. Y., assignor, by mesne assignments, to Henry L. Rosenfeld, Jr.

Application May 8, 1934, Serial No. 724,519
3 Claims. (Cl. 48—94)



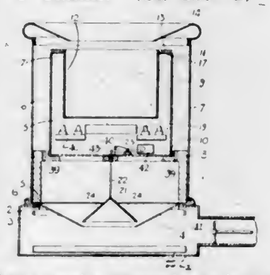
1. A gas generator comprising a heating chamber, a retort of U-shape suspended in said chamber from the cover thereof, an atomizer for liquid located at each upper end of said retort, and a super-heating unit having its lower end in communication with said retort near the middle thereof, and an outlet for gas at the other end of said unit.

2,085,511

COOKING DEVICE

Charles Edward Ross and Thomas Edgar Perks, London, England

Application August 26, 1935, Serial No. 37,982
In Great Britain September 4, 1934
8 Claims. (Cl. 126—1)



3. A cooking device comprising in combination a suction box, suction means connected to said box, an outer casing supported by its own weight upon the suction box, centering means for said outer casing associated with said box, a stand member supported by its own weight upon the suction box, centering means for said stand member, an inner casing spaced from said outer casing and supported by its own weight on said box, centering means for the inner casing associated with said stand member, a food container spaced from said inner casing and supported by its own weight on said inner casing, centering means for said food container associated with the inner casing, a peripheral flange member carried by and extending inwardly from the top edge of the outer casing somewhat over the top edge of the food container and supported by its own weight on the outer casing, centering means for said flange and heating means in the space between the food container and the inner casing, communication being provided between the suction box and the space between the inner and outer casings.

2,085,512

MANUFACTURE OF COLOR MASTER MATERIALS

George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 20, 1934. Serial No. 749,180
5 Claims. (Cl. 106—40)

1. Method of manufacturing color master materials containing an organic derivative of cellulose and a pigment, which comprises dissolving an oil, in an amount equal to from 1 to 10% of the organic derivative of cellulose present, in a medium which is a solvent for the organic derivative of cellulose, mixing the resulting solution with dry pigment, adding the organic derivative of cellulose to the mixture of pigment and solution of oil and mixing the same together, and then working the resultant plastic mass between rolls until substantially all of the solvent is removed and the particle size of the pigment is reduced.

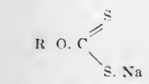
2,085,513

ARTIFICIAL THREADS AND PROCESS OF PREPARING THEM

Adolf Steindorff and Gerhard Balle, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application July 16, 1931, Serial No. 551,298. In Germany July 28, 1930
11 Claims. (Cl. 18—54)

1. A process of preparing artificial threads which comprises spinning into an acid precipitating bath a solution of cellulose xanthate containing a xanthate of the following general formula:



wherein R stands for an aliphatic radical with at least 6 carbon atoms.

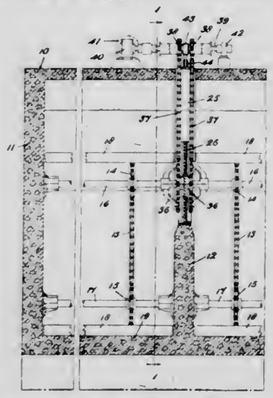
2,085,514

SEDIMENTATION APPARATUS

Robert T. Steindorf, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 19, 1935, Serial No. 36,929
9 Claims. (Cl. 210—55)

1. In sedimentation apparatus and the like, a tank having a wall provided with an aperture therethrough extending below the normal liquid level; a metallic plate structure of materially less thickness than said wall, secured in said aperture and constituting a support for certain of the bear-



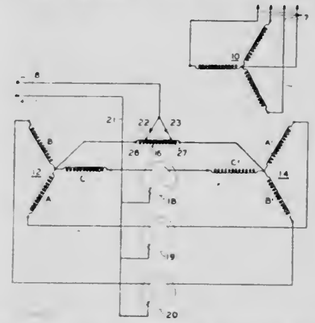
ings of sedimentation apparatus contained in said tank; and a wheel mounted adjacent said plate with its rim portion lying wholly within the recess constituted by the plate, the aperture walls, and face of the tank wall.

2,085,515

METHOD OF AND SYSTEM FOR RECTIFYING AND INCREASING THE FREQUENCY OF ALTERNATING CURRENTS

Alfred A. Steinmetz, Scarsdale, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application November 25, 1935, Serial No. 51,546
10 Claims. (Cl. 172—281)

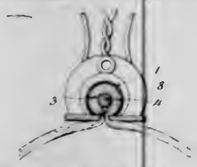


8. In a polyphase rectifying system, a plurality of groups of rectifying devices and a plurality of pairs of polyphase groups of transformer secondary windings; connections from one of said pairs of secondary groups to one of said groups of devices and a reactor interconnecting the neutral points thereof; connections from another of said pairs of secondary groups to another of said groups of devices and a reactor interconnecting the neutral points thereof; taps on said reactors and a pair of interconnected rectifying devices bridging the taps on each reactor; an additional reactor connected between said pairs of rectifying devices, an additional pair of interconnected rectifying devices bridging taps on said additional reactor, and a direct current output circuit connected to said groups of rectifying devices and to the point of interconnection of said interconnected additional rectifiers.

2,085,516
CELLULOSE HAIR PAD FOR PERMANENT WAVING

Edwin R. Thomson, New York, N. Y., assignor to Arlette, Inc., New York, N. Y., a corporation of Delaware

Application May 8, 1936, Serial No. 78,697
3 Claims. (Cl. 132—36.2)



1. A pad for permanent hair waving comprising a plurality of porous sheets of cellulose compressed at spaced points to a relatively thin depth without compressing the entire surface of the sheets to form an absorbent wadding adapted to hold a hair treating fluid, and a protective backing including a metal foil secured by a water resistant adhesive to the absorbent wadding and coextensive therewith.

2,085,517
PROCESS FOR THE PREPARATION OF MUDFLUSH

Pieter van Campen, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 25, 1934, Serial No. 708,247. In the Netherlands, January 26, 1933
7 Claims. (Cl. 255—1)

1. In the process of preparing an easy flowing mudflush from a clay normally producing an excessively viscous water suspension, the steps of reducing in said clay the content of the finest gel-forming colloidal particles to produce a clay consisting substantially of colloidal-size non-gelling particles and then using this clay to form the mudflush.

2,085,518
PROCESS FOR REFINING MINERAL OIL

Willem J. D. van Dijck, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 18, 1935, Serial No. 7,072. In the Netherlands March 19, 1934
8 Claims. (Cl. 196—13)

1. In an extraction process for separating liquid hydrocarbon mixtures into their component groups, the steps of extracting the mixture with furfural in the presence of an effective quantity of naphthalene to produce two liquid phases, and separating the said phases.

2,085,519
METHOD OF TREATING MINERAL OILS

Cedric Gerard Verver, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 30, 1935, Serial No. 33,870. In the Netherlands August 6, 1934
4 Claims. (Cl. 196—19)

4. The process of dewaxing hydrocarbon oils, comprising the steps of admixing to a wax-bearing oil a selective dewaxing diluent and a pour-point reducing substance obtainable by reacting at least one molecule of an aliphatic compound having at least one —OH group and at least one member of the group consisting of: secondary amino-cyclic compounds, poly-amino cyclic compounds, hydroxy cyclic compounds, and hydroxy-amino-cyclic compounds, subsequently chilling the mixture to solidify the wax, and separating the solidified wax therefrom.

2,085,520
PLOW BOTTOM AND RENEWABLE CUTTING EDGE THEREFOR

Zenas V. Weisel, Los Angeles, Calif., assignor to Universal Plow Edge Company, Ltd., Los Angeles, Calif., a corporation of California

Application September 4, 1936, Serial No. 99,429
16 Claims. (Cl. 97—125)

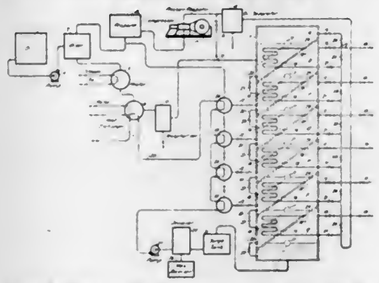


1. In combination, a plow bottom, and a renewable cutting edge therefor including portions frictionally engaging both faces of said plow bottom, one of said portions having an opening therein, said plow bottom having a projection extending into said opening in locking engagement with the adjacent portion of said renewable cutting edge.

2,085,521
CONTINUOUS DEWAXING PROCESS AND APPARATUS

Alvin Pierce Anderson, Wood River, Ill., and Chever M. Kellogg, University City, Mo., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application July 23, 1934, Serial No. 736,510
11 Claims. (Cl. 62—114)



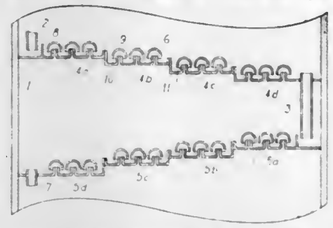
1. An apparatus for continuously dewaxing hydrocarbon oils dissolved in a volatile diluent, comprising a vertical column provided with a plurality of partitions, arranged within said column to provide a vertical series of chambers, a liquid flow conduit from each chamber to the next lower one, provided with flow control means for maintaining a pool of liquid in each chamber and a vapor space in each chamber above the pool of liquid, a vapor discharge line from each section, and pressure controlling means in said vapor discharge lines arranged to maintain progressively decreasing pressure from the uppermost section to the lowest section.

2,085,522
APPARATUS FOR FRACTIONAL DISTILLATION

Gerrit Baars, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application November 1, 1934, Serial No. 750,954
In the Netherlands November 4, 1933
2 Claims. (Cl. 261—114)

1. In a column for contacting a liquid with vapors, a perforated bubble plate comprising a series of horizontal progressively descending troughs separated from each other by vertical overflow weirs arranged to maintain pools of liquid of substantially the same depth in all troughs whereby introduction of liquid into the highest trough will cause a cascade-like liquid



flow through said series of troughs, hooded means for passing vapors through the plate, means for supplying the liquid to the highest trough of the plate and means for withdrawing the liquid contacted with the vapors from the plate.

2,085,523
SWEETENING PROCESS

Arnold Belchetz, Houston, Tex., and Bernard Richard Carney, Hartsdale, N. Y., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

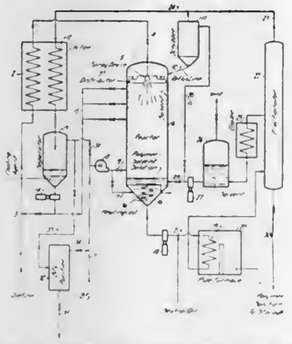
No Drawing. Application May 9, 1935, Serial No. 20,604
5 Claims. (Cl. 196—24)

1. In a sweetening process, the steps of dissolving ferrous sulfate in water, adding slaked lime with stirring, separating the solid mass and drying it to a free water content of at least 5%, but not more than 30%, and contacting the dried mass with a solution containing mercaptans in the presence of an amount of free sulfur sufficient for the complete sweetening of the solution.

2,085,524
POLYMERIZATION OF OLEFINES

Martin de Simó and Frederick B. Hilmer, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application July 12, 1935, Serial No. 31,075
5 Claims. (Cl. 260—2)

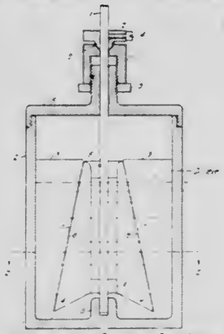


1. In the process of polymerizing tertiary base olefines of less than 9 carbon atoms by treating same with an active fluoride to produce rubber-like polymers, the improvement comprising forming a liquid solution of the olefines in an inert lower-boiling liquid hydrocarbon solvent for the olefines, the solvent having a boiling temperature at the operating pressure of the polymerization zone which substantially corresponds to the desired treating temperature and is below the boiling temperature of the olefines, injecting the solution in a state of fine division into the reaction zone containing a gaseous catalyst of the group consisting of boron fluoride and hydrogen fluoride, to effect polymerization of the olefines, whereby heat is liberated and the liquid solvent is vaporized, and maintaining an excess of the liquid solvent in the solution entering the polymerization zone over the quantity of the solvent which is evaporated due to the heat of reaction.

2,085,525
PROCESS FOR STABILIZING POLYMERS

Martin de Simó and Frederick B. Hilmer, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application November 8, 1935, Serial No. 48,858
5 Claims. (Cl. 196—78)



1. In the process of producing polymers of the type obtained by polymerizing unsaturated hydrocarbons capable of forming polymeric homologous series by means of a polymerization catalyst of the type of boron fluoride, which are substantially mechanically stable in solution of mineral lubricating oils under lubricating conditions, from polymers of the same type having molecular weights substantially in excess of 10,000 and which break down under lubricating conditions, the steps comprising subjecting the unstable polymers to a milling operation of the type performed in a colloid mill and of sufficient intensity to effect a mechanical break down of unstable polymers to products of lower molecular weights, and continuing this treatment for at least a time sufficient to render the product stable to the shear viscosity breaking test herein described.

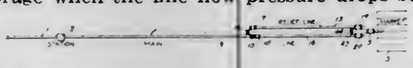
2,085,526
METHOD AND APPARATUS FOR ESTABLISHING AND CONTROLLING A RESERVE STORAGE IN GAS TRANSPORTATION SYSTEMS

Alfred J. Diescher, Winfield, Kans., assignor of one-half to M. L. R. Diescher, Winfield, Kans.

Application June 28, 1932, Serial No. 619,710
7 Claims. (Cl. 48—191)

5. The method of transporting gas through a pipe line including compressing and expanding the gas to effect flow of a predetermined volume of gas through the line to supply a market, diverting a part of the flow at a material distance from the market to effect a parallel flow, establishing a predetermined distribution pressure at the market, establishing a predetermined

line discharge pressure, regulating the parallel flow adjacent the market to entrap said parallel flow to provide a relief storage having a pressure substantially that of the flow volume at the point of divergence, releasing said relief storage when the line flow pressure drops below



said predetermined line discharge pressure to maintain the line flow pressure above said predetermined distribution pressure, and maintaining said parallel flows when the pressure of said relief storage drops below the pressure of the predetermined flow volume.

2,085,527

PROCESS FOR TREATING MINERAL OILS

Spafford Munroe Gregory, Long Beach, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 19, 1935, Serial No. 17,259

6 Claims. (Cl. 196—42)

3. In the process of treating a hydrocarbon liquid containing undesirable components convertible to less undesirable compounds by oxidation, the steps of refining said liquid with a quantity of a sludge-forming acid of the type of sulfuric acid, capable under the conditions of the subsequent treatment of liberating active oxygen from a metal oxide containing oxygen in excess of the amount which is equivalent to the normal valency of the metal in the presence of said acid, the acid being of the character and in quantity to effect a partial refining of the liquid and to produce acid sludge in excess of a critical amount necessary for the oxidation of said components, separating the excess sludge from the treated liquid and then bringing the liquid together with the residual sludge into contact with the metal oxide at least in the amount necessary to neutralize the acidity of the liquid.

2,085,528

PREPARATION OF COLORING COMPOSITIONS

Ernst Alexander Grenquist, Bloomfield, N. J., assignor to Celluloid Corporation, a corporation of New Jersey

No Drawing. Application November 9, 1934, Serial No. 752,258

3 Claims. (Cl. 106—37)

1. A method of manufacturing a color master material containing a pigment and a plasticized nitrocellulose, which comprises mixing a pigment and a high boiling solvent for nitrocellulose diluted with a thinner, adding to the mixture substantially one-half of the nitrocellulose to be employed, then adding a mixture of a plasticizer deficient in solvent power for the nitrocellulose and the other portion of the nitrocellulose, working the mixture on malaxating rolls, adding another portion of a high boiling solvent for nitrocellulose diluted with a thinner, ageing the mixture and again working the mixture on malaxating rolls.

2,085,529

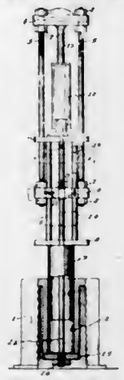
CYLINDER SLEEVE PRESS

Frank S. Heimbach and William Leischel, Chicago, Ill., assignors to Harold J. Ellsworth, Chicago, Ill.

Application November 4, 1935, Serial No. 48,108

6 Claims. (Cl. 29—88.2)

1. In cylinder sleeve presses, a movable frame, a stationary frame connected thereto, a pedestal receiving said stationary frame, a connection between said movable frame and the sleeve to be



extracted, and actuating means for said movable frame.

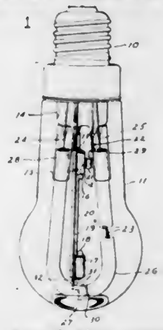
2,085,530

ELECTRIC ARC LAMP

George E. Inman, Cleveland Heights, and Eugene Lemmers, Cleveland, Ohio, assignors to General Electric Company, a corporation of New York

Application June 23, 1932, Serial No. 618,894

11 Claims. (Cl. 250—35)



1. An enclosed arc device comprising a bulb, refractory metal electrodes in said bulb, a coating of a thermionically active material on said electrodes, a quantity of vaporizable metal in said bulb, and a resistance in series with one of said electrodes having a covering of refractory insulating material extending through said vaporizable metal.

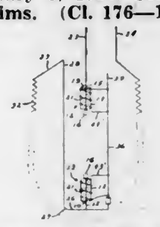
2,085,531

ELECTRIC ARC LAMP

George E. Inman, Cleveland Heights, and Eugene Lemmers, Cleveland, Ohio, assignors to General Electric Company, a corporation of New York

Application January 3, 1934, Serial No. 705,048

7 Claims. (Cl. 176—122)



1. An electric lamp of the high pressure concentrated arc type comprising a single glass bulb, a pair of electrodes in said bulb each comprising a metal portion having a coating of a thermionically active material thereon and defining a positive-column-path therebetween a separate concentrated refractory metal terminal body of substantial heat capacity mounted adjacent to, and projecting beyond and spaced from the end of, said coated metal portion, and a heating element adjacent at least one of said coated metal portions, said electrodes being so disposed that said terminal bodies are closer together than said coated metal portions, a quantity of vaporizable metal in said bulb, and a resistance element having a covering of refractory insulating material extending in heat conductive relation to said vaporizable metal.

2,085,532

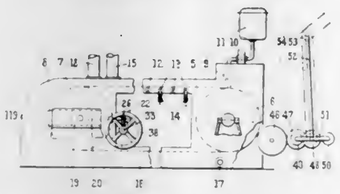
PRODUCTION OF ARTIFICIAL MATERIALS AND APPARATUS THEREFOR

Edward Kinsella, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

Application January 11, 1933, Serial No. 651,159

In Great Britain January 30, 1932

2 Claims. (Cl. 18—15)



1. Apparatus for the manufacture of films and foils, said apparatus comprising an endless flexible band of nickel, cold-worked after jointing so as to be substantially uniform over its whole length.

2,085,533

LUBRICATING GREASES

Edwin N. Klemgard, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 5, 1934, Serial No. 724,220

11 Claims. (Cl. 87—9)

1. In the process of manufacturing lubricating grease, the steps of mixing a hydrocarbon oil with a metallic soap of a fatty acid derived from vegetable oils or fats, heating the mixture with agitation to a temperature between 150° and 500° F. to form grease, cooling the grease to a temperature below about 200° F., and incorporating a small quantity of non-dehydrated rubber latex into the said cooled grease.

2,085,534

SOAP FOR MANUFACTURING LUBRICATING GREASES

Edwin N. Klemgard, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 20, 1935, Serial No. 7,379

4 Claims. (Cl. 87—9)

1. A rubberized soap of low moisture content consisting essentially of a predominant amount of soap and a small quantity of natural uncoagulated rubber from latex uniformly distributed therethrough.

2,085,535

PROCESS FOR THE POLYMERIZATION OF UNSATURATED HYDROCARBONS

Siegfried Leonard Langedijk and Adrianus Johannes van Peski, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 4, 1936, Serial No. 57,510. In Great Britain April 29, 1930

11 Claims. (Cl. 196—10)

1. A process for the polymerization of normally gaseous olefinic hydrocarbons which comprises subjecting said hydrocarbons to polymerization in the presence of a complex catalyst resulting from combining an active inorganic halide of the type of Friedel and Craft catalysts with a non-hydrocarbon polar organic compound which, under the conditions of the polymerization reaction, is incapable of reacting to any substantial extent with olefinic hydrocarbons according to the Friedel and Craft's reaction, said complex catalyst having a smaller polymerization action than the active halide itself.

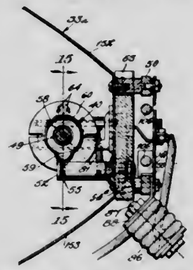
2,085,536

ARC LAMP

John G. H. Liebel and Edwin S. Flarsheim, Cincinnati, Ohio, assignors to The Liebel-Flarsheim Company, Cincinnati, Ohio, a corporation of Ohio

Application January 5, 1931, Serial No. 506,531

10 Claims. (Cl. 176—117)



10. In a therapeutic lamp, the combination comprising, arc electrodes, a housing surrounding said electrode ends so closely as to be raised to incandescence when an arc is established between the ends of the electrodes, said housing having an aperture substantially central of the ends of the electrodes therein, and a depending fin having slots therein, supports with which the slots of the fin are relatively loosely engageable to constitute a standard for said housing whereby the same is removable therefrom, refractory flanges transversely projecting from said housing thereof at the opposite ends, and a reflector disposed about said housing, said reflector sustaining said support with which said housing is removably associated, said housing prevented from tilting through engagement of the electrodes and the apertures in the end refractory flanges.

2,085,537

CONDITIONING OF FRESHLY QUARRIED CLAY

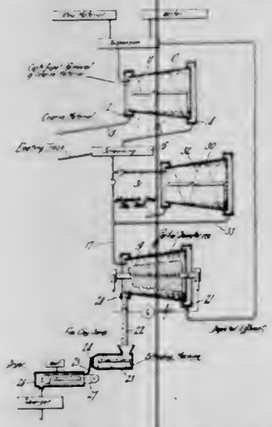
Sanford C. Lyons, Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass., a corporation of Massachusetts

Application January 18, 1935, Serial No. 2,369

13 Claims. (Cl. 233—18)

1. In the conditioning of freshly quarried clay to produce a purified and marketable product,

the practice which comprises suspending the clay in water to produce a readily flowable suspension, progressively streaming the suspension through a centrifuge to deposit progressively under centrifugal force on its wall oversized impurities, then progressively streaming the suspension through another centrifuge, whose wall is electrically charged to attract the fine solids content of said suspension, to deposit progressively on its wall under combined electrophoretic



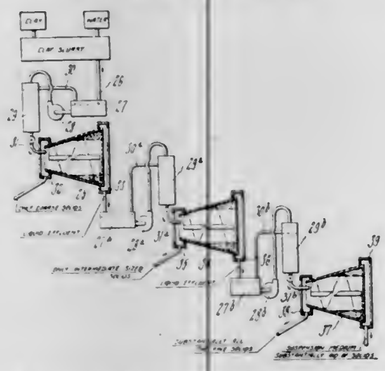
and centrifugal forces said fine solids content as a plastic mass while substantially constantly removing said plastic mass from said wall to maintain substantially constant the combined electrophoretic and centrifugal forces acting to deposit said fine solids and thereby substantially constantly to maintain of substantially uniform average particle size said fine solids being deposited and removed as a plastic mass, and drying such removed plastic mass.

2,085,538

RESOLUTION OF SUSPENSIONS OF FINELY DIVIDED SOLIDS INTO SUBSTANTIALLY UNIFORM SOLIDS FRACTIONS OF VARYING AVERAGE PARTICLE SIZE

Sanford C. Lyons, Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass., a corporation of Massachusetts

Application July 10, 1936, Serial No. 89,886
9 Claims. (Cl. 233—18)



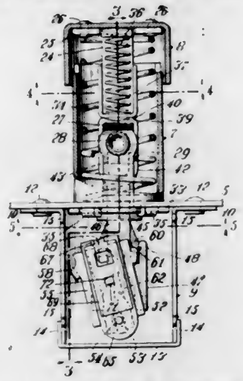
2. A method of resolving an aqueous clay suspension containing sand, mica, and other relatively coarse impurities into separate substantially uniform solids fractions of different particle size, which comprises subjecting such suspension to repeated centrifugation under progressively intensified solids-depositing conditions as suspension proceeds from one centrifugating stage to the next, maintaining the solids-depositing conditions, including the rate of flow of suspension, substantially constant in each stage, progressively removing during centrifugation each of the solids fractions and separately removing liquid effluent from the sphere of action of each of the centrifugating stages so as to maintain the effective centrifugating force in each stage substantially constant, subjecting liquid effluent from one centrifugating stage to the next, thereby effecting a removal from suspension of a substantially uniform solids fraction in each stage but of progressively increasing fineness as liquid effluent proceeds from one centrifugating stage to the next, and controlling the first centrifugation to remove from the suspension sand, mica, and other relatively coarse impurities.

2,085,539

SWITCH

Marion W. Morris, Logansport, Ind., assignor to R-B-M Manufacturing Company, Logansport, Ind., a corporation of Indiana

Application August 18, 1934, Serial No. 740,375
19 Claims. (Cl. 200—11)



1. In combination, a switch housing, a terminal plate secured thereto, contact terminals carried by said plate, a contact bridging member movable across said terminals, an actuating member carrying said bridging member, a reciprocatory plunger having an integral portion at one end thereof engaging said actuating member for normally holding the same in locked position, and camming means having lost motion connection with said plunger and including means for successively snapping said actuating member from one circuit closing position to another upon predetermined movement of said plunger sufficient to unlock said actuating member.

2,085,540

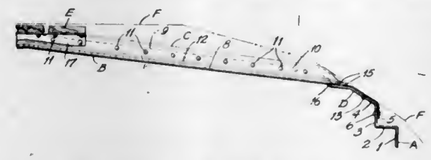
CAR ROOF

Walter P. Murphy, Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania

Application July 2, 1936, Serial No. 88,506
17 Claims. (Cl. 108—5.4)

3. A car roof construction comprising side plates having members extending inwardly along

their inner margins conformably to the slope of the roof, roof sheets extending from side plate to side plate and having upstanding side flanges opposite said members and terminating at a distance inwardly from the side plates to enable



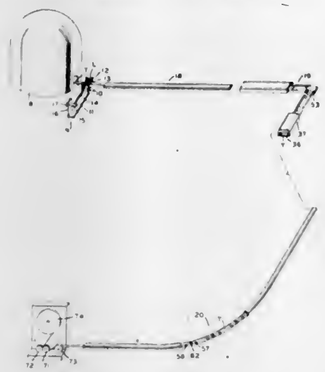
the body portions of the roof sheets to be placed closer to the tunnel clearance outline, seam caps rigidly securing said flanges together, and welds uniting the unflanged side portions of adjacent sheets to said members.

2,085,541

TICKER-TAPE DISPLAY APPARATUS

Percy L. Myer, Ozone Park, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application December 8, 1934, Serial No. 756,679
18 Claims. (Cl. 40—28)



1. In combination, a source of tape including means adapted to intermittently eject tape therefrom, a tape guide arranged to direct the tape along a non-linear path, means for bending the tape in the plane of its face, means for pulling the tape along said tape guide, and yieldable means, forming a loop in said tape, for decreasing the intermittent motion of said tape.

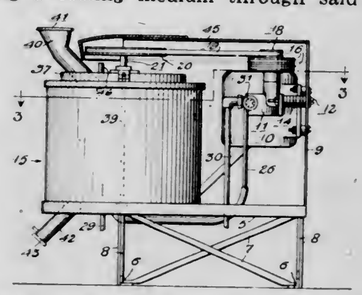
2,085,542

WHIPPING AND FREEZING MACHINE FOR FOOD PRODUCTS

Jesse W. Neitzel and Robert G. Lipscomb, Albert Lea, Minn., assignors to The Globe Machine & Manufacturing Company, Albert Lea, Minn., a corporation of Minnesota

Application November 23, 1935, Serial No. 51,286
2 Claims. (Cl. 62—114)

1. In a machine of the class described, a cylindrical ice cream freezer disposed with its axis in vertical position and having a liner and casing spaced apart to afford an annular space for a cooling medium, a pipe substantially encircling the bottom of said freezer within said space and having a multiplicity of discharge openings for distributing a cooling medium in said space, an outlet for cooling medium communicating with the upper portion of said space, means for circulating a cooling medium through said pipe,



space and outlet and means for agitating the product within said freezer.

2,085,543

PROCESS FOR COATING METALS

Floyd Francis Oplinger, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 21, 1935, Serial No. 22,651
13 Claims. (Cl. 204—17)

1. A process for coating a cold rolled steel surface, comprising electroplating said surface with a tin alloy consisting preponderantly of tin and containing at least one metal selected from the group consisting of copper, nickel, silver and cobalt and thereafter heating the electroplated surface under substantially non-oxidizing conditions to a temperature above the melting point of the electrodeposit and then cooling.

2,085,544

ACID RESISTANT COPPER ALLOYS

William B. Price, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

No Drawing. Application October 13, 1936, Serial No. 105,442
5 Claims. (Cl. 75—154)

1. An acid and oxidation resistant physically homogeneous and easily workable copper alloy consisting substantially of copper, nickel, aluminum and tin in the proportions of

	Per cent
Copper	94 to 91
Nickel	2 to 3
Aluminum	2 to 3
Tin	2 to 3

2,085,545

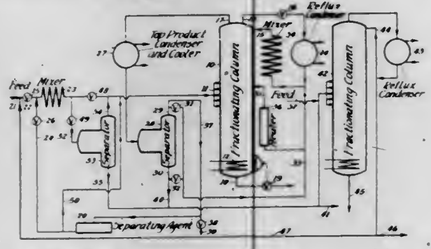
PROCESS FOR REFINING MINERAL OILS

Edmond R. P. E. Retailliau, Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 2, 1935, Serial No. 48,050
4 Claims. (Cl. 196—13)

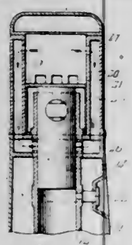
1. In the process of refining a highly paraffinic lubricating oil by treating same with sulfuric acid under conditions to form a pepper sludge which is incapable of settling, the step of extracting the oil containing pepper sludge with a substantially oil-insoluble solvent containing at least 60% of a water-soluble aliphatic oxy-hydrocarbon of not more than six carbon atoms under conditions to dissolve the pepper sludge substantially without dissolving the oil and to form two layers: a treated oil layer substantially free from sludge and solvent, and a substantially oil-free solvent layer containing the sludge, and separating the layers.

2,085,546
DISTILLATION PROCESS
Petrus Jurjen Roelfsema, Walnut Creek, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 20, 1935, Serial No. 12,007
7 Claims. (Cl. 202—42)



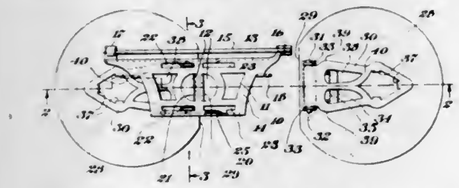
1. A process for fractionating a distillable mixture of a plurality of components having different distribution ratios between a selective solvent and the said mixture, said solvent being adapted to form two liquid phases when contacted with a component having a lower distribution ratio than another component, comprising introducing a feed mixture containing said liquid mixture and said solvent into a distilling apparatus, determining the ratio of the solvent and the component having the lowest distribution ratio obtaining in the feed mixture, fractionating said feed in said distilling apparatus to produce a bottom product and an overhead mixture, the ratio of the solvent to the component having the lowest distribution ratio in the overhead mixture being different from the corresponding ratio in the feed mixture, continuously withdrawing and cooling at least a portion of said overhead to cause it to separate into two phases of different compositions, withdrawing portions from each of the said phases in the proper proportion to produce a top product containing the solvent and the component having the lowest distribution ratio in substantially the said determined ratio, and continuously returning the residual portion of the said phases to the distillation apparatus.

2,085,547
SUPERCHARGER FOR INTERNAL COMBUSTION ENGINES
Oscar G. Schrom, Philadelphia, Pa.
Application April 30, 1935, Serial No. 19,004
7 Claims. (Cl. 123—71)



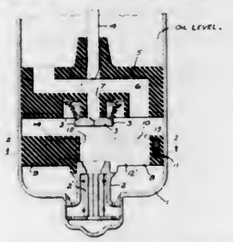
1. A supercharged internal combustion engine having upper and lower working pistons and cylinder, a scavenging piston and cylinder, said scavenging piston being connected with the upper working piston to move in unison therewith, inlet ports in the wall of said scavenging cylinder so located as to be uncovered by the scavenging piston when it is at the bottom of its stroke, outlet ports in the wall of the scavenging cylinder positioned to be closed by the scavenging piston prior to its reaching the upper limit of its stroke, a receiving chamber with which said outlet ports communicate, outlet ports from the receiving chamber to the working cylinder, means for admitting fuel to the working cylinder, and exhaust ports leading from the working cylinder, crank means for said cylinders, said crank means being so proportioned and said ports so relatively located that air under pressure is admitted to the working cylinder from the scavenging cylinder as a supercharge.

2,085,548
DRESS ORNAMENT
Harry Sheer, New York, N. Y.
Application March 2, 1937, Serial No. 128,566
6 Claims. (Cl. 63—1)



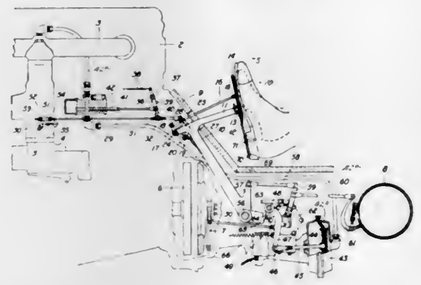
1. In a dress ornament of the character described, a clip usable independently and comprising a pivoted attachment jaw, and a connector adapted to be removably associated with the clip to transform the latter into a brooch element, said connector having a shallow U-shaped cross-section and said jaw being snugly movable endwise between the arms of the U, said connector having an abutment to limit the endwise movement of the jaw and having also longitudinal guide channels adjacent to said abutment for snugly accommodating and engaging the rear portion of the jaw when fully inserted.

2,085,549
ELECTRIC CONTROL DEVICE
Wilfred F. Skeats, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application October 17, 1935, Serial No. 45,417
8 Claims. (Cl. 200—150)



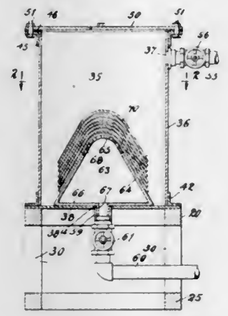
1. An electric control device comprising means forming a magnetic circuit having a saturable portion and a comparatively non-saturable portion located substantially opposite said saturable portion and an electric circuit, said circuits being linked so that within a predetermined range of current in said electric circuit there is relative bodily movement in the direction of one of said portions between the immediately linked portions of said circuits and beyond the aforesaid range of current said circuits tend to assume a relative position in the opposite direction.

2,085,550
SINGLE PEDAL CONTROL FOR MOTOR VEHICLES
Edwin G. Staude, Minneapolis, Minn.
Application December 16, 1932, Serial No. 647,573
11 Claims. (Cl. 192—.01)



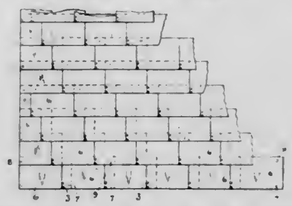
1. In combination with an automobile having a brake pedal and a clutch, means for controlling the clutch including a movable member, said movable member and a portion of the brake pedal being cooperable in a manner to yieldably resist depression of the pedal and to cause said member to move in clutch opening direction, said clutch control means including a valve and means by which the pedal controls the valve to obtain clutch opening action during pedal depression.

2,085,551
APPARATUS FOR DRYING HAT BODIES, BEAMS OF TEXTILES, AND OTHER ARTICLES
Ernest A. Stienen, New York, N. Y.
Application May 13, 1935, Serial No. 21,127
4 Claims. (Cl. 34—26)



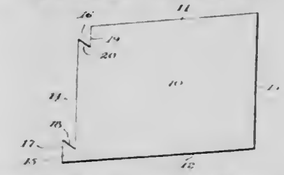
1. In a dryer the combination of an operating chamber having a bottom wall with an opening, outlet piping for the operating chamber, a vertical member for the outlet piping extending from the opening in said bottom wall, a hollow conical shaped supporting hood in said chamber, said hood having openings through its conical wall at the upper portion thereof, said supporting hood having a bottom wall, an outlet conduit extending from the bottom wall of the hood, said conduit extending into the vertical member of the outlet piping and piping for heated air leading to said operating chamber, said conical shaped supporting hood adapted to support objects to be dried in locked position and bearing against each other one over the other.

2,085,552
ROOFING AND SIDING CONSTRUCTION
Trygve Storm, Fort Wayne, Ind., assignor to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware
Application March 20, 1931, Serial No. 524,097
9 Claims. (Cl. 108—7)



4. A roof covering made up of a plurality of shingles of flexible felt impregnated with asphaltum; said shingles being arranged in courses; each shingle having edges extending along opposite edges of its course; each shingle having one edge overlying the edge of an adjacent shingle in the same course and an opposite edge underlying the edge of another adjacent shingle in the same course; means for interlocking the adjacent lower corners of each pair of adjacent shingles in the same course, with relative adjustment parallel to the course to vary the amount of overlap; said interlocking means engaging the underlying shingle at a point spaced from the corner; driven fastening means passing through the underlying shingle near its lower edge and between the interlock and the underlying corner; said courses being overlapped along adjacent edges to completely cover a continuous area; said fastening means at the overlying edge of one course passing through the underlying edge of the adjacent course.

2,085,553
SHINGLE
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware
Application September 29, 1931, Serial No. 565,882
19 Claims. (Cl. 108—7)

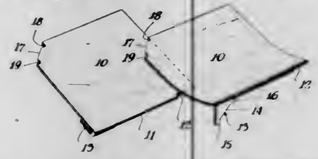


1. A shingle having side edges and end edges, said end edges extending in a line approximately normal to the ridge of a roof upon which said shingle is so laid, and said side edges extending at acute angles to said ridge, a tab on one of said edges and a portion of said tab extending under a side edge of an adjacent shingle when laid.

2,085,554
LOCKING SHINGLE
Harry Forbes, Richmond Hill, N. Y., assignor, by mesne assignments, to Bakelite Building Products Co., Inc., New York, N. Y., a corporation of Delaware
Application April 3, 1931, Serial No. 527,402
11 Claims. (Cl. 108—7)

1. A flexible shingle of composition roofing material comprising a substantially rectangular body

having a shallow notch in the lower weather edge adjacent an end edge to be covered, a small flap projecting from said lower weather edge adjacent the end weather edge, said flap being adapted to be folded underneath the body of the shingle, the corner diagonally opposite said notch having a bevelled edge, said bevelled edge being complementary to said flap, said bevelled edge having upper and lower recesses at its junction with the adjacent edges of the shingle, said upper recess aiding in spacing adjacent shingles in the same course, said lower recess assisting in spacing adjacent rows of shingles, the greater part of said lower weather edge running between said flap and said notch.



2,085,555

PLIABLE SHINGLE

Otto J. Kuhn, Syracuse, N. Y., assignor to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware

Application July 13, 1931, Serial No. 550,489
1 Claim. (Cl. 108—7)



A surface covering of flexible shingles, said shingles having a retroverted locking tab of greater length than depth extending from one end of their butt edge and having a notch of similar shape to the tab in the opposite edge, at the same end of the shingle, said shingles being laid in courses with the side edge of each shingle adjacent its retroverted tab laterally overlapping the opposite side edge of an adjacent shingle in the same course, there being a pair of spaced apart nails positioned longitudinally adjacent the leading edge of the tab and passing through the overlapped shingle portion, said nails being sufficiently close to the tab leading edge to assure retention of the overlapping shingle in place in assembly without the use of nails on the overlapping portion.

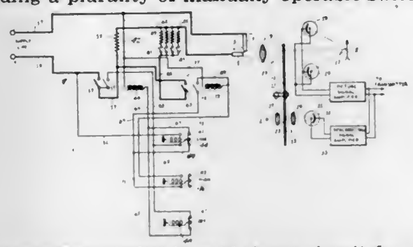
2,085,556

TELEVISION SYSTEM

Merrill A. Trainer, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 6, 1932, Serial No. 627,682
3 Claims. (Cl. 176—12)

2. A lighting system including a source of energy, an arc source of light, an electrical circuit connected with the source to ignite the arc when the arc is connected with the source, a plurality of resistance elements included in the supply circuit between the source and the arc, a plurality of relays also connected in the circuit between the source and the arc whereby during periods of operation of the arc said resistance elements are selectively included and excluded from the energy supply circuit to regulate the current strength causing the arc to glow, and a shunt circuit including a plurality of manually operable switches



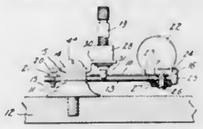
and means included in said shunt circuit for permanently maintaining each selected operation condition of current supply to said arc, and means also included in said electrical circuit for rendering the entire system inoperative at predetermined time intervals.

2,085,557

CONTROL DEVICE

Robert L. Uhl, Ontario, Calif., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York

Application December 2, 1933, Serial No. 700,685
9 Claims. (Cl. 200—139)



1. A temperature control device comprising a thermostat member movable in a predetermined plane responsively to temperature changes and having a bearing seat thereon, a flexible switch arm arranged in substantially parallel spaced relation with said thermostat member and movable in said plane of movement and having a bearing seat thereon, a common mounting for said thermostat member and switch arm, a member having an aperture therethrough riveting said thermostat member and said switch arm to said mounting an elastic member having portions pivotally resting in said bearing seats on said thermostat and on said switch arm arranged to move said switch arm quickly between controlling positions, an adjusting device supported on said mounting and secured thereto by said riveting member, said adjusting device having an adjustable member bearing on said thermostat member arranged by adjustment thereof to vary the position of said thermostat member relative to said switch arm so as to adjust the temperature setting of said control device, and said riveting member adapted to receive a securing member through its aperture whereby said mounting, said thermostat member, switch arm, elastic member and adjusting device can be secured as a unit to a device whose temperature is to be controlled.

2,085,558

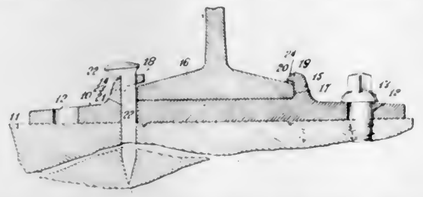
SUPPORTING AND RETAINING MEANS FOR RAILROAD RAILS

Harold G. Warr, Park Ridge, Ill., assignor, by mesne assignments, to Poor & Company, a corporation of Delaware

Application December 19, 1934, Serial No. 758,250
8 Claims. (Cl. 238—306)

1. Supporting and retaining means for a railroad rail comprising in combination a tie plate

formed with spaced upstanding ribs defining a seat for the base portion of a rail and formed at their upper ends with inward projections of different widths transversely of the rail, portions of which overlie the upper edges of the rail base in uniform spaced relation to the rail base at opposite sides thereof to provide abutments for



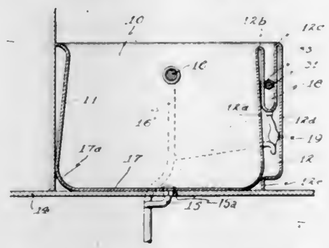
limiting, by direct engagement therewith, upward movement of the rail base relative to the plate, and a key member positioned between one vertical edge of the rail base and the adjacent upstanding rib of the plate to hold said edge of the rail base spaced from said rib and to hold the other edge of the rail base against the other of said upstanding ribs.

2,085,559

BATHTUB CONSTRUCTION

Carl Weber, Chicago, Ill.

Application September 18, 1936, Serial No. 101,366
13 Claims. (Cl. 4—149)



1. A bath tub having a relatively flat bottom and one relatively thick longitudinal vertically extending wall and a rounded upper periphery, said relatively thick wall having a longitudinal upwardly extending groove therein to provide for reception and retention of the lower end of a curtain or the like.

2,085,560

THREADER

Lilly May Widmark, Minneapolis, Minn.

Application December 23, 1935, Serial No. 55,797
1 Claim. (Cl. 223—103)



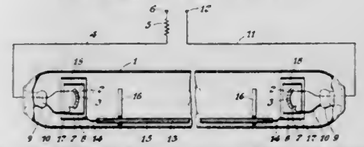
A threading and tube inverting device comprising a single piece of wire bent back upon itself at two abrupt end loops whereby two end bar portions will be parallel with and lie contiguously adjacent to an intermediate bar portion, said bar portions all being of substantially equal length, one of said end bar portions having a pointed hook at its free end extending beyond the loop connecting the other two bar portions but having its point directed toward but terminating short of such loop.

2,085,561

GASEOUS ELECTRIC DISCHARGE DEVICE

Kurt Wiegand, Berlin-neu-Tempelhof, Germany, assignor to General Electric Company, a corporation of New York

Application April 2, 1935, Serial No. 14,356
In Germany April 7, 1934
2 Claims. (Cl. 176—122)



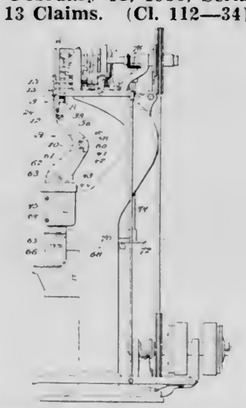
1. In combination a gaseous electric discharge device comprising a tubular container, main discharge supporting electrodes and auxiliary starting electrodes sealed therein at the ends thereof, a gaseous atmosphere therein, and an element of conducting material extending along the discharge path between said main discharge supporting electrodes, each of said main electrodes being electron emitting when heated and comprising a heater element exposed to the discharge and an electron emitting material associated with said heater element, said auxiliary electrodes being coaxial cylindrical members open in the direction of the main discharge path and being mounted in pairs at each end of the container and surrounding one of said main electrodes, a current source for said device, one end of said heater element being connected to said current source, the other end of said heater element being connected to the inner one of said auxiliary electrodes, the outer auxiliary electrode of each pair being connected to the element of conducting material extending along the discharge path in said container to facilitate the starting of the main discharge, the breakdown potential of the discharge between said auxiliary electrodes being less than the breakdown potential of discharge between said main electrode and the outer auxiliary electrode, said auxiliary electrodes reducing the heat losses from said main electrodes.

2,085,562

SHOE SEWING MACHINE

Erastus E. Winkley, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application February 18, 1936, Serial No. 64,495
13 Claims. (Cl. 112—34)



1. A shoe sewing machine of the McKay type having, in combination, stitch forming and work supporting devices including a straight hook

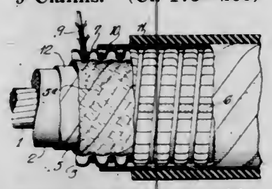
needle and a rotary work entering horn having a needle receiving opening at its tip, and a thread engaging member within the tip of the horn having a thread guiding portion about which a length of thread is wound in a curved path to provide a surplus between the work and the needle as the threaded hook of the needle is drawn through the work.

2,085,563

FLUID IMPREGNATED ELECTRIC CABLE

Frank L. Aime, New York, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Application May 5, 1934, Serial No. 724,000
9 Claims. (Cl. 173—266)



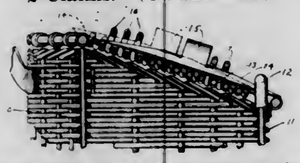
5. In a fluid impregnated cable, a core of wrapped insulating material surrounded by a metal shielding tape grounded at convenient intervals to the sheath and a series of comparatively loosely applied fibrous wrappings over the shielding tape and sheathed in a copper sheath corrugated helically and radially to render said sheath flexible and to provide means to expand and contract said sheath upon expansion and contraction materials contained within said sheath and a reinforcing element seated in the outer groove of the helical corrugation.

2,085,564

CREEL

Joseph F. Anderson, Rockford, Mich., assignor to Ed. Cumings, Inc., Flint, Mich., a corporation of Michigan

Application April 23, 1936, Serial No. 75,942
2 Claims. (Cl. 217—122)



1. In a fishing creel, a woven wicker basket having a bolt receiving aperture in its wall adjacent its peripheral edge formed by a woven wicker loop, a woven wicker cover for said basket provided with spaced woven wicker loops and hingedly secured thereto adjacent the peripheral edge of its wall opposite the wall thereof provided with the bolt receiving aperture, and a wedge shaped bolt limitedly slidably secured within the spaced woven wicker loops of the cover whose one end thereof is adapted to frictionally resiliently fit within the aperture in the sliding movement of the bolt in one of its slid directions.

2,085,565

METHOD OF REDUCTION OF SULPHUR

Charles W. Andrews, Chicago, Ill., assignor to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 15, 1936, Serial No. 115,952
5 Claims. (Cl. 75—55)

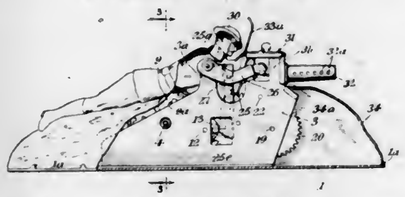
3. A method of purifying molten iron containing manganese of sulphur, and other inclusions, which comprises adding to the molten metal sodium and calcium containing slag forming compounds, the ratio of sodium compound to calcium compound being from one to two parts of sodium compound to three parts of calcium compound, utilizing the contained manganese to form manganese sulphide in the molten metal and releasing the manganese of the sulphide for further sulphur removal by interchange of the sulphur into sodium and calcium sulphides in the slag.

2,085,566

TOY MACHINE GUN

Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey

Application August 24, 1933, Serial No. 686,517
9 Claims. (Cl. 46—10)



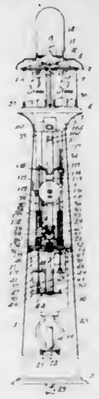
1. The combination with a figure representative of a human being, of a continuously rotating wheel having an abradant surface, a pyrophoric element intermittently movable into engagement with said wheel to produce successive showers of sparks, a structure simulating a gun barrel traversed by said sparks as they pass from said wheel, and means whereby a part of said figure is moved substantially in synchronism with the production of said showers of sparks.

2,085,567

LIQUID DISTRIBUTOR

Socrates Baiesi, Buenos Aires, Argentina

Application September 12, 1935, Serial No. 40,281
In Spain September 19, 1934
12 Claims. (Cl. 221—100)



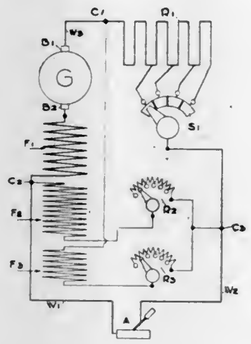
1. An apparatus for supplying liquids in predetermined quantities, such as a gasoline filling pump and the like, comprising two transparent containers for the liquid to be supplied, charge valves in said transparent containers, discharge valves in said transparent containers, a system adjacent said charge valves for alternatively supplying said liquid to either of said transparent containers, a balance mechanism, means operating said balance mechanism by the overflow of the excess liquid in said transparent containers for the alternative opening and closing of said discharge valves and for the simultaneous reversal of said system, means for the simultaneous reversal of the charge and discharge valves of each of said transparent containers, means for adjusting the operation of said balance mechanism in conformity with a predetermined volume of liquid to be delivered in each operation, means regulating the last-mentioned means in the course of the delivery of the liquid, means locking said system and the second-mentioned means in the course of the emptying of each of said transparent containers, means connected with said system for supplying said liquid thereto, the last-mentioned means comprising a general valve; means closing said general valve after a predetermined quantity of said liquid has been delivered, and means connected with said transparent containers for the expulsion of air therefrom while the transparent containers are being filled with said liquid.

2,085,568

ELECTRIC CIRCUIT

Ernest E. Beckman, Lind, Wash., assignor of one-half to Walter D. Krehbiel, Lind, Wash.

Application January 12, 1935, Serial No. 1,529
2 Claims. (Cl. 171—223)



1. An electric circuit including a generator having brushes and a load circuit therefor, a series field winding in the load circuit between one of the brushes and the load, a resistor in the load circuit between the opposite brush and the load, a control field winding in shunt with the load and connected at one end between the series field winding and the load and at the other end between the resistor and the load, and a field coil connected in parallel with the resistor.

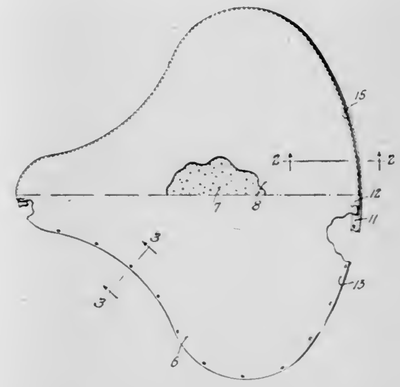
2,085,569

CUSHIONED SEAT

Joseph E. Bloomberg, Milwaukee, Wis., assignor to Milwaukee Saddlery Company, Milwaukee, Wis., a corporation of Wisconsin

Application May 1, 1933, Serial No. 668,734
4 Claims. (Cl. 208—15)

1. In a cushioned seat, the combination of a metal seat body having relatively sharp edges, a layer of cushioning material covering the top of said body, a top covering for said cushioning layer, an anchoring strip of flexible material secured to the underside of said seat body adjacent the edge of the latter, a wear strip of flexible material disposed adjacent the edge of the upperside of said seat body, and means securing said top covering to said strips.

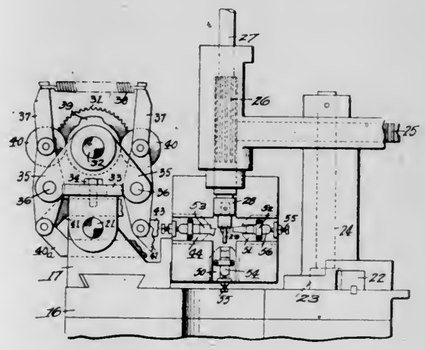


2,085,570

END FORMING DEVICE

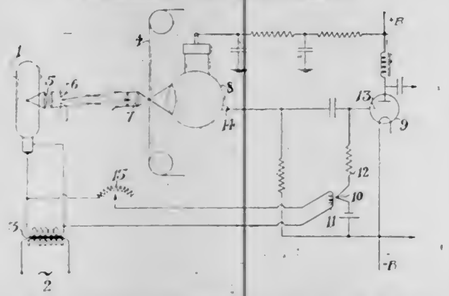
William H. Blount, West Brookfield, and Percival S. Thomas, Worcester, Mass., assignors to Sleeper & Hartley, Inc., Worcester, Mass., a corporation of Massachusetts

Application September 30, 1935, Serial No. 42,732
7 Claims. (Cl. 140—71)



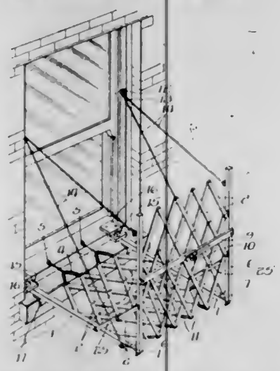
1. In an end forming device, the combination of a cam shaft, a series of cams carried thereby, a corresponding series of pivoted levers, each having a roll contacting and controlled by a single one of said cams, a link connected to the lever to be moved thereby, said links extending in the same general direction, two slides movable in the direction in which the links extend, two of said links being connected with the said slides for moving them back and forth in that direction, two slides reciprocable in a direction at an angle to the direction of the links, the other two of the links having pivotal connections with the last two named slides for operating them in the transverse direction, and tools on all of said slides for operating on the end of a wire to form it to the desired shape.

2,085,571
REPRODUCTION OF SOUND WITH THE AID OF LIGHT
Cecil Oswald Browne, London, England, assignor to The Gramophone Company Limited, Hayes, Middlesex, England, a company of Great Britain
Application August 15, 1931, Serial No. 557,285
In Great Britain August 18, 1930
7 Claims. (Cl. 179—100.3)



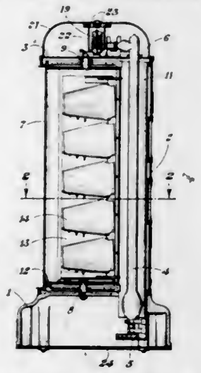
1. In a sound reproducing system, a photo-sensitive device, a thermionic amplifier tube having a control grid, a coupling network between the device and the tube, a light source for exciting said photo-sensitive device, a source of alternating potential for energizing said light source, a thermo-electric device and a resistor serially interposed in the input circuit of said amplifier tube and being conductively connected to the control-grid, and means for energizing said thermo-electric device in phase with the energization of said light source, whereby fluctuating potentials impressed upon said input circuit from said photo-sensitive device by reason of fluctuations in said light source resulting from energization thereof by said alternating potential source may be counteracted.

2,085,572
PORTABLE WINDOW PLATFORM
Charles J. Burda, Cicero, Ill.
Application June 8, 1936, Serial No. 84,025
14 Claims. (Cl. 304—26)



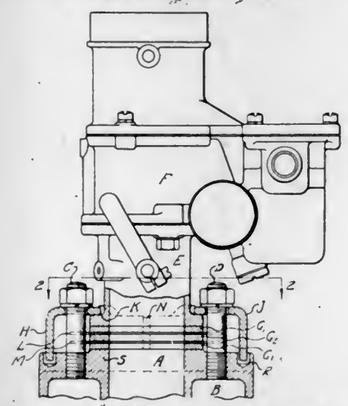
1. In a portable window platform, means extensible laterally to in effect provide a horizontal flat platform in accordance with the widths of different windows, and means forming in effect a laterally extensible flat outer wall, for the outer end of the platform, foldably connected at its lower end to the outer end of the platform, the structure thus provided being foldable together and contractible laterally, by folding the wall down flatwise upon the platform, when not in use, and being operative in a plurality of laterally adjusted widths thereof, for windows of different widths.

2,085,573
ULTRAVIOLET STERILIZING APPARATUS
Leroy J. Buttolph, Grantwood, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Application June 13, 1933, Serial No. 675,618
3 Claims. (Cl. 21—101)



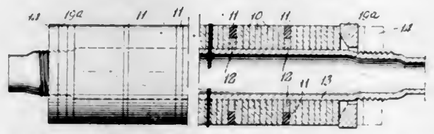
1. In combination, a housing, a source of ultraviolet radiations within said housing, an air inlet and an air outlet for said housing, said housing also having other orifices therein, means to heat the air passing through said outlet to a temperature sufficient to decompose any ozone therein, and means at said outlet to increase the draft.

2,085,574
JOINT FOR CARBURETORS
Milton E. Chandler, Detroit, Mich.
Application February 28, 1935, Serial No. 8,642
4 Claims. (Cl. 285—140)



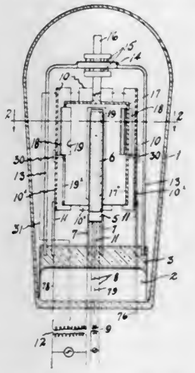
1. Means for clamping a carburetor to the exhaust heated inlet manifold of an internal combustion engine comprising a plurality of studs projecting from said manifold, a flange on the end of the carburetor, L shaped clamps engaging with the flange, with said manifold and with said studs, a plurality of heat insulating gaskets between said flange and said manifold, heat radiating means interposed between said gaskets for the purpose described.

2,085,575
TRANSPORTING AND GUIDING MEANS
Louis Desbordes, Machemont, and Pierre Bertrand, Paris, France, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
Application November 28, 1934, Serial No. 755,098
In France December 1, 1933
15 Claims. (Cl. 49—14)



1. A method for the manufacture of a roller constituted by a support and a plurality of discs made of a compressible heat-resisting material, carried by said support, which comprises placing the discs upon the support and then compressing the outer part of the discs more than their central part.

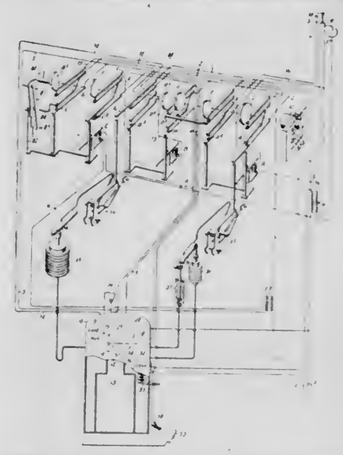
2,085,576
COMMUTATING DEVICE
Allen B. Du Mont, Upper Montclair, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Upper Montclair, N. J., a corporation of Delaware
Application March 25, 1935, Serial No. 12,853
1 Claim. (Cl. 250—27.5)



A combination comprising an evacuated vessel, a cathode adapted to emit electrons, anodes mounted around the cathode, an apertured member rotatably mounted between the cathode and anodes, whereby electrons in traveling from the cathode to the anodes through said apertures cause rotation of said member, a second set of anodes positioned to receive electrons from said cathode through apertures in said member.

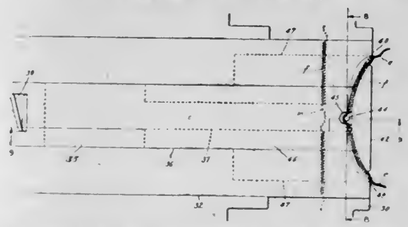
2,085,577
BURNER CONTROL
John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application July 14, 1934, Serial No. 735,103. Divided and this application March 14, 1935, Serial No. 11,100
29 Claims. (Cl. 158—28)

1. In combination with an oil burner having an electric oil and air supply motor and an electric igniter, of a normally closed electromagnetic oil valve for preventing combustion and having an energizing circuit for opening the valve and a holding circuit for maintaining the valve open, an electric motor driven timing switch mechanism for operating said motor and igniter for a predetermined period of time and for closing the said energizing circuit of said electromagnetic oil valve for a limited period of time intermediate the period of operation of said motor and igniter,



and combustion responsive switching means effective during absence of combustion to render said electric motor driven switch mechanism operative and effective upon establishment of combustion during said limited period of time for closing said holding circuit of the said electromagnetic oil valve and for maintaining said oil and air supply motor in operation independently of said timing switch mechanism.

2,085,578
FILAMENT MOUNTING AND MECHANISM THEREFOR
John Flaws, Jr., Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application February 18, 1936, Serial No. 64,493
11 Claims. (Cl. 176—4)



1. A method of completing and perfecting a filament mount comprising current leads with hooked ends projecting from and beyond its stem-press, an intermediate support for a filament between the leads, and anchor-wire supports for the leads between their hooked ends and the stem-press; which method comprises bringing a coiled filament into a bowed form, and holding it so with coiled end portions projecting, bringing said projecting ends to definite positions and so holding them, and seizing the filament ends adjacent the holding means and placing the coiled ends in the lead hooks; clamping said hooks tight on said filament ends and also pressing against the filament adjacent one

of the clamps to obviate distortion of the bowed form of the filament; curling and intermediate support-wire around the mid-portion of the filament, and also bending the support-wire into position approaching the axis of the mount; bringing the leads to definite positions approaching an axial plane of the mount, and bending the anchor wires into corresponding positions across the leads and curling their ends around the latter; and temporarily pressing the mid-portion of the filament out of contact with the intermediate support so as to allow equalization of tension in the filament at opposite sides of said intermediate support.

7. The combination of means for holding a coiled filament bowed, with an end projecting in front of said holding means; a centering gripper in front of said holding means for centering said projecting end horizontally and vertically, and for gripping and holding it when so centered; and a funnel-socket device movable toward said gripper to engage and center the filament end therein and push it back through said gripper, the outer portion of said socket device being telescopically mounted around the central portion and yieldingly held forward projecting in front of it, so as first to catch the filament end and direct it into the central portion, and then recede when it encounters the gripper device and allow the central portion to approach said device.

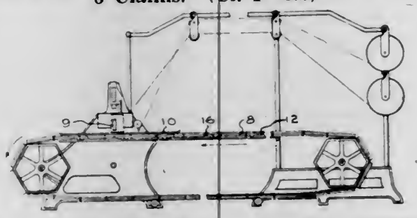
2,085,579

POSITIONING MEANS FOR BOX PARTS

Edward M. Florcyk, Rockaway, N. J., assignor to Stapling Machines Co., a corporation of Delaware

Application January 25, 1936, Serial No. 60,789

8 Claims. (Cl. 1—8.2)



1. In a machine of the character described, the combination of fastener setting mechanism and means to feed thereto sheets of side material in overlapping relationship including a vertically slidable positioning finger to engage the overlapped edge of the under sheet, said finger being longer than the thickness of the side sheet to extend above the true surface level of said sheet and contact the under side of the overlapping upper sheet, spring means normally holding the finger in raised position, and means acting through pressure on the upper sheet to lower the finger to the surface level of the under sheet when the upper sheet is being fastened to the under sheet.

2,085,580

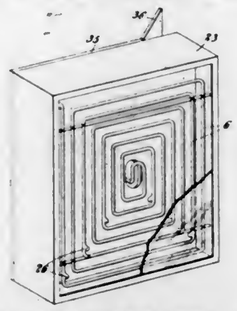
ILLUMINATING DEVICE

Meyer Gottlieb, Irvington, and Philip Gottlieb, Newark, N. J., assignors of one-third to Fred Alexander, Newark, N. J.

Application June 4, 1935, Serial No. 24,808

1 Claim. (Cl. 176—122)

An illuminating device comprising glass tubing bent to form a grid and provided with electrodes, said tubing containing mercury or a like liquid characterized by the fact that it changes to a luminous vapor when an electrical potential is impressed across said electrodes, said tubing being formed to provide pockets intermediate and independent of said electrodes and distributed



over the grid, said pockets being connected to said tubing through substantially unrestricted openings and each pocket being disposed to hold some of said mercury.

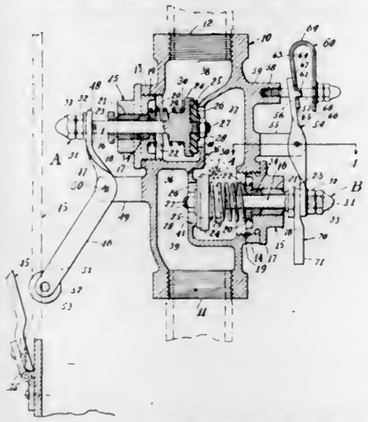
2,085,581

AUTOMATIC SAFETY GAS VALVE

Edward E. Green, Pittsburgh, Pa.

Application November 15, 1935, Serial No. 49,914

2 Claims. (Cl. 277—70)



1. A valve comprising a casing having open ends adapted for connection with pipe sections, a partition in said casing extending longitudinally therein and provided with a lateral extension intermediate its length, said partition and its extension dividing the casing into end chambers constituting inlet and outlet chambers and an intermediate chamber at one side of the end chambers in overlapping relation thereto, said intermediate chamber having its end portions in communication with the end chambers through ports formed in the partition, valves for closing the ports mounted in the outlet chamber and the intermediate chamber and having stems extending laterally of the casing and slidably engaged through walls thereof at opposite sides of the casing for outward movement to unseat the valves, springs yieldably holding the valves closed, fulcrums carried by the casing externally thereof, levers pivoted to said fulcrums and extending longitudinally of the casing, one lever having one end engaging the stem of the valve in the outlet chamber and its other end free, the other lever having one end engaging the stem of the valve in the intermediate chamber and its other end bifurcated, a stud projecting from said casing through the bifurcated end of the second lever, and a thermostat carried by said stud and engaging the bifurcated end of the second lever for moving the second lever in a direction to open the valve in the intermediate chamber.

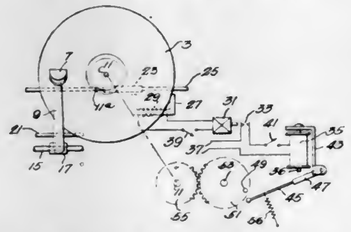
2,085,582

PHONOGRAPH

Emile C. Guedon, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 31, 1936, Serial No. 98,751

7 Claims. (Cl. 192—118)



1. In a phonograph, the combination of a scanning member movable over a record, means for automatically controlling the operating condition of the phonograph, means including a source of flux for rendering said first named means operative to alter the operating condition of the phonograph, and means movable with said scanning member and operable to affect the flux upon a change in the rate of movement of said scanning member over the record whereby to render said first named means operative.

2,085,583

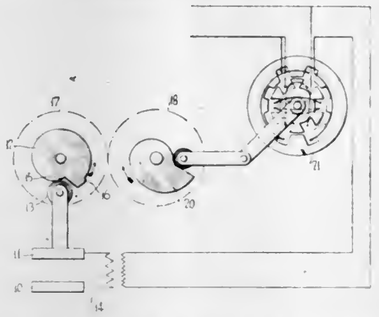
WELDING METHOD

Arthur F. Hanson, Philadelphia, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 13, 1932, Serial No. 611,003

Renewed November 23, 1934

4 Claims. (Cl. 219—10)



1. The method of flash welding stainless steel which comprises initiating the flash by relatively high voltage, using a slow approach of the edges to be welded, progressively reducing the voltage synchronously with and in proportion to said approach, suddenly cutting off the voltage and flashing and as suddenly moving the edges together under high pressure to effect the weld.

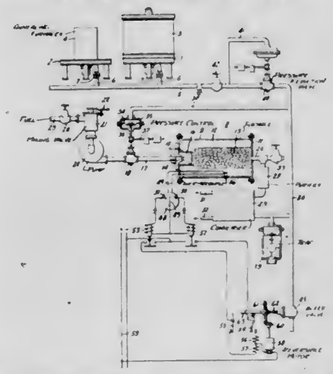
2,085,584

APPARATUS FOR PRODUCING A GAS ATMOSPHERE

Orin S. Haskell, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application April 11, 1934, Serial No. 720,149

10 Claims. (Cl. 23—281)



1. In combination, a combustion chamber, means responsive to the pressure therein for supplying fuel thereto, means by which the gas produced in the chamber may be withdrawn therefrom as needed and means for preserving a temperature in said chamber above a predetermined minimum comprising gas releasing means arranged to release gas from said chamber when the demand for gas is so small that the resulting heat of combustion in the chamber is insufficient to maintain the chamber at said temperature.

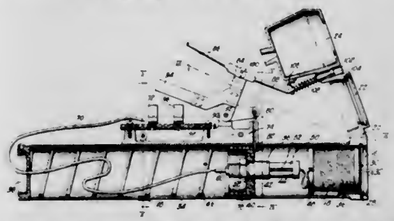
2,085,585

EMERGENCY ANTENNA

Walter A. Hamilton, Kansas City, Mo., assignor to Transcontinental & Western Air, Inc., Kansas City, Mo., a corporation

Application January 30, 1937, Serial No. 123,220

9 Claims. (Cl. 250—33)



1. In an airplane having a body provided with an opening, the combination of a coiled antenna cable within the housing adjacent to the opening; and manually releasable mechanism for forcibly projecting the said coiled cable through said opening.

2,085,586

APPARATUS FOR PRODUCING A GAS ATMOSPHERE

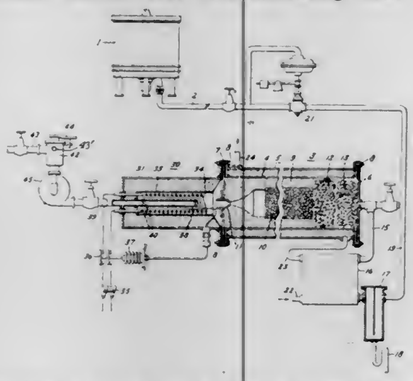
Allen G. Hotchkiss, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 30, 1935, Serial No. 33,917

2 Claims. (Cl. 23—281)

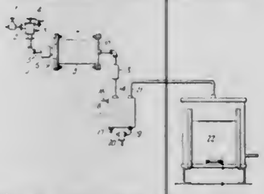
2. Apparatus for producing a gas whose composition is relatively high in non-oxidizing ele-

ments and low in oxidizing elements by the burning of a mixture of a hydrocarbon gaseous fuel with a deficiency of air comprising a metal casing having a refractory lining forming a combustion chamber, a removable end head at one end of said casing, means secured thereto for withdrawing the burned mixture from the casing, a second end head at the opposite end of the casing, a nozzle secured thereto and communicating with the



chamber, a second metal casing secured to said second end head and having a heat insulating lining forming a preheating chamber, a resistance heater in said preheating chamber, means therein for causing the mixture to pass over said heater, and means for purifying the burned mixture before it leaves said first casing comprising a mass of cast iron particles followed by a mass of copper particles arranged within said first casing and retained by said removable end head.

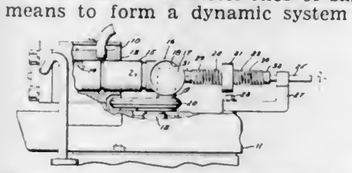
2,085,587
METHOD OF BRAZING
Allen G. Hotchkiss, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 29, 1935, Serial No. 24,007
3 Claims. (Cl. 113—112)



1. A method comprising the step of brazing metal parts in an enveloping gaseous atmosphere containing water vapor, hydrogen, carbon dioxide and carbon monoxide so proportioned that said gaseous atmosphere is reducing at brazing temperature.

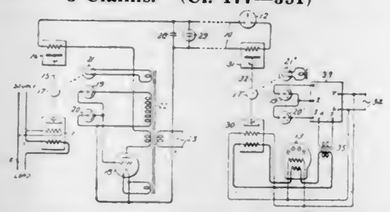
2,085,588
BALANCING DEVICE
Wilfrid E. Johnson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 24, 1935, Serial No. 46,568
6 Claims. (Cl. 74—604)

1. In combination, a compressor or the like including a reciprocatable member exerting a vibratory force thereon of substantially constant frequency when said compressor is operating at its normal running speed, a balancing device therefor comprising a reciprocatable balance weight, means for resiliently connecting said balance weight and said reciprocatable member and for mounting said balance weight on said reciprocatable member and movably with respect thereto, the inertias of said reciprocatable member and said balance weight being proportioned with respect to the elastic characteristics of said resilient means to form a dynamic system com-



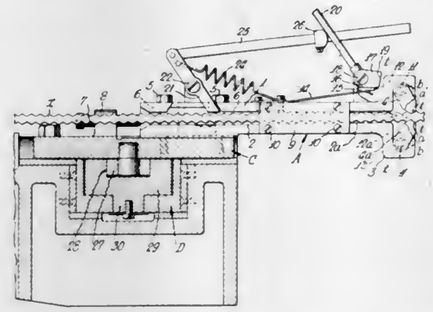
posed of said reciprocatable member and said balance weight and resilient means having a combined natural frequency of reciprocatory oscillation substantially equal to said constant frequency of said vibratory force, and means for reducing the force applied to said balance weight by said resilient connection when the amplitude of reciprocation of said balance weight reaches a predetermined maximum.

2,085,589
TELEMETERING APPARATUS
Arthur J. Johnston, Aldan, Pa., assignor to General Electric Company, a corporation of New York
Application February 18, 1936, Serial No. 64,477
5 Claims. (Cl. 177—351)



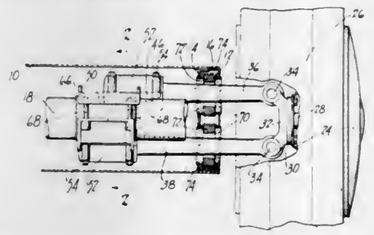
1. A telemetering system comprising electrically-interconnected transmitting and receiving apparatus, the transmitting apparatus comprising a meter for producing a torque proportional to a quantity measured thereby, a direct-current electrical instrument mechanically connected to the first meter for restraining its torque, a direct-current source of supply for said instrument, electrical apparatus responsive to any difference in the torques of said meter and instrument for controlling the current supplied to said instrument so as to maintain said torques balanced and transmitting a direct current to the receiving apparatus proportional to the quantity measured by said meter, the receiving apparatus comprising an electrical measuring instrument connected to respond to the transmitted direct current and to produce a torque proportional thereto, a wattmeter mechanically connected to said receiving instrument to oppose its torque, a source of supply for said wattmeter, electrical apparatus responsive to any difference in the torques of said receiving instrument and wattmeter for controlling the energy supplied to said wattmeter so as to maintain its torque equal to that of the receiving instrument, and a watt-hour meter electrically connected to integrate the energy supplied to said wattmeter and calibrated to produce an integration measurement of the quantity measured by the meter at the transmitting station.

2,085,590
STOCK FEEDING MECHANISM
Harry B. Jones, Tonawanda, N. Y., assignor to Buffalo Bolt Company, North Tonawanda, N. Y., a corporation of New York
Application November 27, 1935, Serial No. 51,806
41 Claims. (Cl. 10—162)



5. Mechanism for feeding bar stock having edges notched to form connected nut blanks, including a device to receive a piece of stock, said device having a pair of oppositely swinging fingers pivoted thereon and having their free ends presented in toggle relation to each other and to the notches in forward feeding movement of said device.

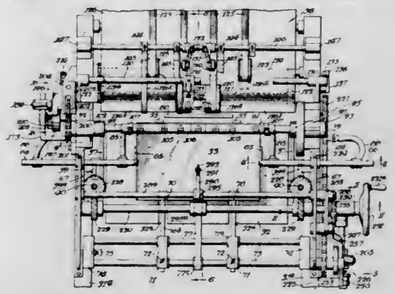
2,085,591
MOTOR VEHICLE
Victor W. Kliesrath, South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill., a corporation of New York
Application July 8, 1933, Serial No. 679,473
19 Claims. (Cl. 280—124)



2. A vehicle having a pair of generally parallel strengthening and stiffening members, brackets mounted on and bridging between said members and formed with sockets, axle sections having their ends in said sockets, wheels rotatably mounted at the outer ends of said sections, and resilient material in said sockets engaging said sections and in effect forming springs for said wheels.

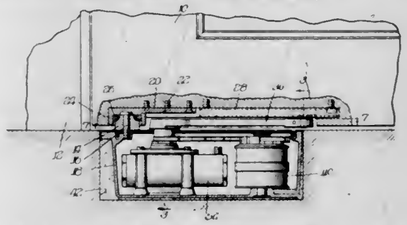
2,085,592
FEEDING MECHANISM FOR PRINTING PRESSES
Alexander T. Koppe, New York, N. Y., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Application January 11, 1934, Serial No. 706,188
39 Claims. (Cl. 271—28)

1. The combination in feeding mechanism for printing presses, of means for supporting a paper sheet, and a series of suction cups having a continuous path of travel and spaced apart along said path to engage said sheet at one point along said path to move it from said supporting means,



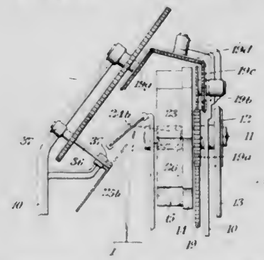
said cups being movable transversely to said path independently of each other.

2,085,593
DOOR CLOSING AND CHECKING DEVICE
David R. Lasier, Chicago, Ill., assignor to Norton-Lasier Company, Chicago, Ill., a corporation of Illinois
Application February 19, 1934, Serial No. 711,910
11 Claims. (Cl. 16—51)



1. A door checking device adapted to be concealed in the floor beneath the door including a casing designed for substantially permanent installation in the floor, a fluid checking unit including a cylinder and an actuating shaft removably installed in said casing and a rotatable locking plate adapted to cooperatively engage said cylinder and said casing to hold said cylinder against separation from said casing.

2,085,594
OPTICAL APPARATUS
Jacob F. Leventhal, New York, N. Y., assignor to Leventhal Patents, Inc., New York, N. Y., a corporation of Delaware
Application August 11, 1931, Serial No. 556,358
4 Claims. (Cl. 88—16.8)



1. In a device of the character described, means for feeding motion picture film at uniform linear speed, rotatable plane-parallel refracting means arranged and adapted upon rotation in timed relation with the movement of

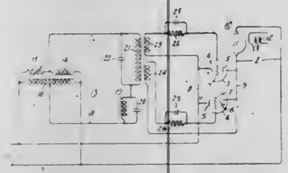
the film to produce two successively stationary spaced virtual images of a luminous point on the moving film, means to rotate said refracting means in timed relation with the movement of said film, a lens for producing real images of said spaced virtual images, a reflector individual to each real image and cooperating with said lens to effect registration in a common image plane of said real images, a rotatable apertured drum surrounding said reflectors, and means to rotate said drum in synchronism with said refracting means for alternately masking and unmasking said reflectors.

2,085,595

ELECTRIC VALVE TRANSLATING SYSTEM

Orrin W. Livingston, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 22, 1936, Serial No. 81,285
10 Claims. (Cl. 250—27)



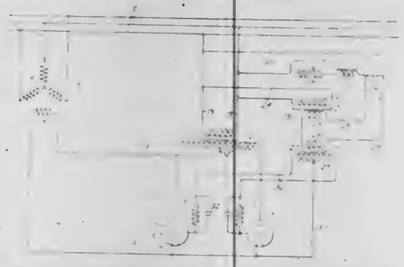
1. In combination, an alternating current circuit, an electric valve means associated with said alternating current circuit and having a control member, and an excitation circuit including means energized from said alternating current circuit in accordance with an electrical condition of said alternating current circuit for providing an alternating voltage having a predetermined phase displacement relative to the voltage of said alternating current circuit and a non-linear resonant circuit energized in accordance with the voltage of said second mentioned means for impressing on said control member a periodic potential having a predetermined phase position relative to the voltage of said alternating current circuit for values of said electrical condition below a predetermined value and for shifting the phase of said periodic potential for values of said electrical condition of said alternating current circuit above said predetermined value.

2,085,596

ELECTRIC CONTROL SYSTEM

Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 2, 1936, Serial No. 57,190
8 Claims. (Cl. 172—238)



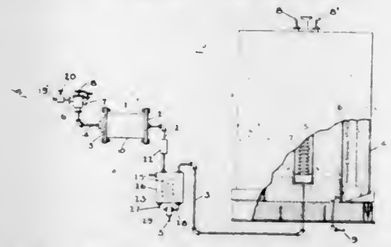
1. In combination, an alternating current circuit, a non-linear resonant circuit being connected to said alternating current circuit, means for deriving a component of voltage from said alternating current circuit, and means responsive to a resultant of an electrical quantity of said non-linear circuit and said component of voltage for producing a voltage having a predetermined phase relation with the voltage of said alternating current circuit over a predetermined range of voltages applied to said non-linear circuit and a different predetermined phase relation over a different range of voltages applied to said non-linear circuit.

2,085,597

METALLURGICAL FURNACE ATMOSPHERE

Abraham L. Marshall, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 28, 1935, Serial No. 8,639
8 Claims. (Cl. 148—16)



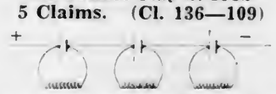
1. An enveloping gas for protecting during heat treatment metal articles having a shiny surface, said gas containing substantial quantities of carbon monoxide, carbon dioxide, hydrogen and water vapor, and the relative proportions of said carbon monoxide, carbon dioxide, hydrogen and water vapor being such that the product of partial pressures in atmospheres of carbon monoxide and water vapor divided by the product of partial pressures in atmospheres of carbon dioxide and hydrogen is within a range of 0.06 to 1 and the ratio of the square of partial pressure in atmospheres of carbon monoxide divided by the partial pressure in atmospheres of carbon dioxide is less than five-tenths.

2,085,598

ELECTRIC CELLS CONNECTED IN A BATTERY

René Oppenheim, Gennevilliers, France, assignor to Societe Anonyme Le Carbone, Gennevilliers, France

Application June 14, 1933, Serial No. 675,677
In France July 2, 1932
5 Claims. (Cl. 136—109)



1. In a group of primary cells connected in series and, individually having pairs of primary elements, there being continuously conductive electrolyte means within each primary cell directly interconnecting the pair of elements within the same and chemically interacting with at least one of said elements to produce a primary electric current, independently of any exterior current supply, and said group of primary cells being connected into a battery forming an original source of current, means for equalizing the voltage of the various elements of said primary cells, comprising a conductive electric resistance of predetermined ohmic value connected to the terminals of the pair of elements of each primary cell exteriorly and independently of the electrolyte means thereof and both closing the circuit of each cell and causing the same to supply a very weak continuous current independently of the main current of the battery.

2,085,599

RAILWAY TRACK GAUGING TOOL

Joseph Paluch, Chicopee, Mass.

Application August 9, 1935, Serial No. 35,423
2 Claims. (Cl. 33—144)



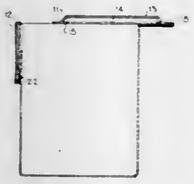
1. A device of the character described comprising a body member provided with rail engaging means at one end, a fulcrum member at its opposite end having a fulcrum bearing portion and an outwardly extended rail head bearing face at its underside, a movable jaw member pivotally supported in the fulcrum bearing portion, a lever extension on the movable jaw and a gauge bar member slidably secured at the side of the body member to be adjustable longitudinally thereof in a plane parallel thereto.

2,085,600

CIGARETTE CASE

Louis A. Petersen, Jackson Heights, Long Island, N. Y.

Application January 22, 1935, Serial No. 2,879
3 Claims. (Cl. 206—41)



1. In a device of the class described, a cigarette case open at its top and having the upper part of one edge portion cut away to facilitate an easy removal of cigarettes from the case, two co-operating lids, one of said lids being mounted upon the top of the case; flanges constituting tracks formed upon the side of the cut away edge portion, and coiled springs disposed at each side of said tracks and inside of these, the second lid having flanges adapted to engage said tracks and being actuated by the springs in closing said second lid upon the cut away edge portion.

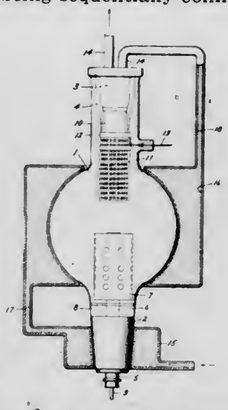
2,085,601

ELECTRON DISCHARGE DEVICE AND COOLING ACCESSORIES THEREFOR

Otis W. Pike, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 1, 1933, Serial No. 700,483
17 Claims. (Cl. 250—27.5)

1. In combination, an electron discharge device comprising an envelope containing cooperating electrodes including a solid thermionic cathode, and a condensible ionizable medium, a compartment surrounding the envelope in the region of the electrodes, and a compartment surrounding the envelope in the region of the said material when in a condensed state, said compartments each having an inlet and an outlet conduit and being sequentially connected to permit circulation of a temperature controlling fluid therethrough.

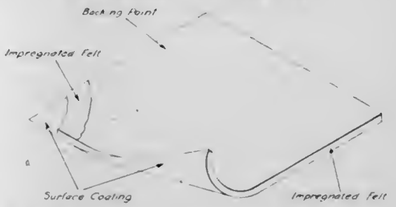


2,085,602

COATING FOR FLOOR COVERING MATERIAL

Robert Holmes Pohl, Upper Darby, Pa., assignor to Sloane-Blabon Corporation, Philadelphia, Pa., a corporation of Delaware

Application February 18, 1933, Serial No. 657,350
6 Claims. (Cl. 134—54)



1. A backing paint comprising approximately 150 parts of pigment and approximately 75 parts of rubber latex distributed in a mixture of approximately 11 parts of casein, 1 part of borax and 0.3 part of ammonia in 50 parts of water.

6. A backing paint for floor covering and like materials which comprises pigment suspended in sufficient aqueous vehicle to form a fluid paint, said vehicle comprising an alkali silicate, a stable organic colloid and a small amount of a substance chosen from the group consisting of rosin oil and rubber latex dispersed therein in sufficient quantity to make the paint substantially permanently flexible upon drying of the paint and suppresses the tendency of the paint to excessive shrinkage upon drying.

2,085,603

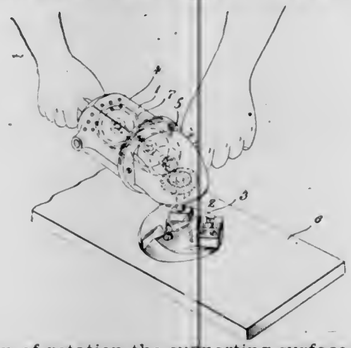
MANUALLY PORTABLE POWER-DRIVEN ROTARY PLANER

Henry C. Preston and Alonzo G. Decker, Towson, Md., assignors to The Black & Decker Manufacturing Company, Towson, Md., a corporation of Maryland

Application October 26, 1934, Serial No. 750,073
5 Claims. (Cl. 144—119)

1. The combination with a manually portable power operated driving unit having an elongated substantially continuous rotor housing and a rotor in the rotor housing adjacent one end thereof, a tool shaft driven by the rotor and disposed at right angles to the rotor axis and projecting a substantial distance from the housing adjacent

the other end thereof, a planer head mounted on the tool shaft, the same consisting of a body having a downwardly disposed peripherally located surface with substantially radial slots extending therethrough, blades shaped as to their edges in correspondence with said surface located in said slots, means for clamping the blades, and adjusting means for each blade consisting of a screw having a head with an overhang of excess area, the planer head having blade supporting surfaces inclined upwardly and backwardly as to the direction of rotation the supporting surface having a groove therein disposed in the direction of incline and of a cross section to receive the screw head, which is located therein, means for pressing the blade against said surface to apply friction thereto to hold the blade in position, the screw being seated in the planer head parallel to said blade supporting surface with a portion of the screw head extending outwardly from the groove over the edge of the blade to apply adjusting pressure by means of the screw to the blade forcing it downwardly to adjusted position.

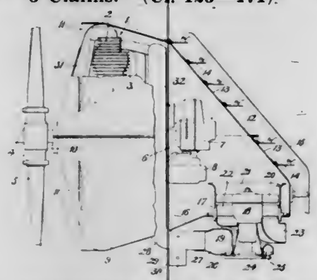


2,085,604

COOLING MEANS FOR AIRCRAFT ENGINES

Samuel R. Puffer, Saugus, Mass., assignor to General Electric Company, a corporation of New York

Application July 28, 1934, Serial No. 737,411
3 Claims. (Cl. 123—171)



1. The combination with a radial type aeroplane engine and a propeller at the front of the engine, of a casing enclosing the engine and defining a chamber in front of the engine and a chamber at the rear of the engine communicating with the front chamber, the casing being provided at its front peripheral portion with passage means for conveying air from the propeller into the front chamber, means providing passages for flow of air from the rear chamber to the atmosphere, adjustable means for completely closing and opening said passages, a blower for exhausting air from said casing, and a speed adjustable gas turbine for operating the blower.

2,085,605

THERMIONIC CATHODE FOR ELECTRIC DISCHARGE DEVICES

Henry Thomas Ramsay and Harold Percy Rooksby, Middlesex, England, assignors to General Electric Company, a corporation of New York

No Drawing. Application April 30, 1935, Serial No. 19,104. In Great Britain May 11, 1934
8 Claims. (Cl. 250—27.5)

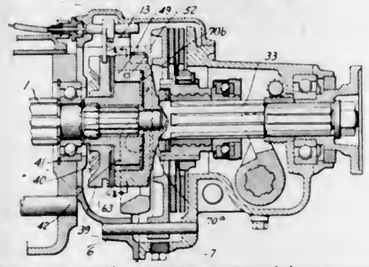
1. A thermionic cathode containing an aluminate of a highly electron emissive alkaline earth metal, said alkaline earth metal being present in quantities in excess of the quantity thereof present in the composition $XO.Al_2O_3$, where X is the alkaline earth metal.

2,085,606

FREEWHEELING KICK-OUT UPON REVERSE DRIVE

Edward A. Rockwell and Edwin R. Evans, Chicago, Ill.; said Rockwell assignor, by mesne assignments, to General Auto Parts Corporation, a corporation of Delaware

Application April 12, 1933, Serial No. 665,648
22 Claims. (Cl. 192—48)



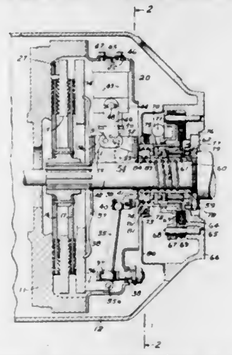
1. An automotive device comprising means for driving the same forwardly or rearwardly including driving and driven members, a free wheeling apparatus containing a roller and pocket therefor adapted to grip on the forward drive thereof and means for throwing the free wheeling apparatus out of operation by the rearward driving thereof, adapted to drive rearwardly by frictional engagement between the driving and driven members, comprising a roller restraining element.

2,085,607

POWER CLUTCH

Edward A. Rockwell, Chicago, Ill., assignor, by mesne assignments, to General Auto Parts Corporation, a corporation of Delaware

Application March 10, 1934, Serial No. 714,954
12 Claims. (Cl. 192—35)



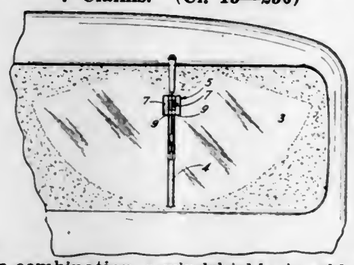
9. In a clutch, in combination, a driven shaft, a worm on said shaft, a worm sleeve on said worm, a brake disk on said worm sleeve free during clutch engagement, means to retard said disk relative to said shaft, and means mounted on the driven shaft adapted to apply a force tangentially to accelerate said disk relative to said shaft.

2,085,608

WINDSHIELD ICE REMOVER

Raymond A. Rodrick, Akron, Ohio, assignor to The Sleetex Company, Inc., New York, N. Y.

Application December 24, 1936, Serial No. 117,428
7 Claims. (Cl. 15—250)



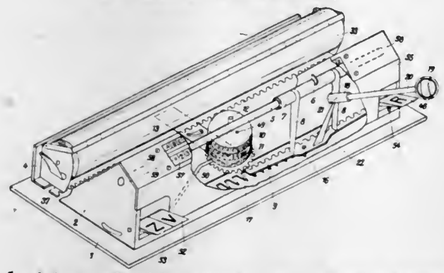
1. In combination, a windshield wiper blade secured to a wiper arm and adapted to be swept across a windshield glass, means engaging said wiper blade and extending laterally therefrom, said means comprising a piece of rubber proportioned to frictionally embrace said wiper blade, a longitudinal groove formed in the laterally extending portion of said means and a salt block frictionally held in said groove and arranged to bear directly against ice formed on said windshield.

2,085,609

TYPE WHEEL TYPEWRITER

Herbert Schönfelder, Leipzig, Germany, assignor to Edgar Hoffmann, Leipzig, Germany

Application July 17, 1934, Serial No. 735,693
In Germany July 18, 1933
6 Claims (Cl. 197—47)



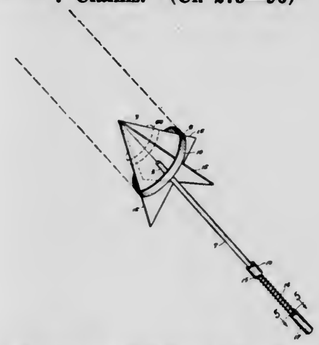
1. A type wheel typewriter, comprising, in combination, a base plate, upright side walls on said plate for forming the machine frame, a carriage and platen, a guide for said carriage on said base plate, a guide rod mounted in said side walls, a sleeve longitudinally displaceably and rotatably guided on said rod, an adjusting mark on said sleeve, two downwardly directed arms on said sleeve, a rack secured to the free ends of said arms, a guide in said base plate, a slide plate disposed in said guide and transversely movable relative to said platen and guide rod, a vertical shaft secured with its lower end in said guide plate, a type wheel, a gear on the lower end of said type wheel and rotatably disposed therewith on said vertical shaft, said gear being in mesh with said rack, means for raising and lowering the type wheel, means for holding said slide plate with said gear and type wheel in front end position and returning it thereto, a lever movable parallel to the platen for turning and displacing said type wheel to adjust and print a type, said lever being carried by one of said arms, a downwardly extending locking pin on the underside of said rack, and a toothed plate firmly arranged in said base plate, said locking pin engaging said toothed plate during the printing motion to secure said type wheel in adjusted position.

2,085,610

PROJECTILE TOY

Otto Schrickel, Mirror Pools, Mount Healthy, Ohio

Application February 4, 1935, Serial No. 4,840
7 Claims. (Cl. 273—96)



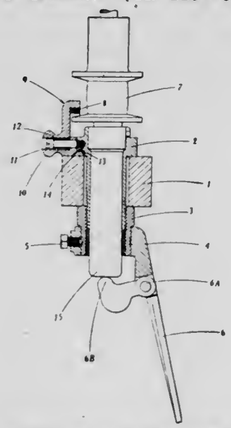
1. A returning-projectile toy comprising the combination of a thin-walled light-weight tube of a height greatly exceeding the thickness of its wall, and means including a shaft with a tube support fixed thereto, for imparting to the tube a projecting force and a rotational movement of sufficient velocity to cause the tube to generate a cylinder of rotation on ascending to a maximum elevation, and to return substantially to its starting point along substantially the same path of movement.

2,085,611

SPINDLE FOR RING SPINNING AND LIKE MACHINES

William Prince-Smith, Keighley, England

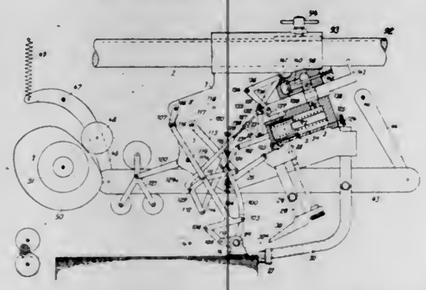
Application October 29, 1936, Serial No. 108,290
In Great Britain April 17, 1936
3 Claims. (Cl. 118—6)



1. In ring spinning and like machines includ-

ing an apertured spindle rail and an apertured ring rail, a spindle, a flanged driving whorl on said spindle, a bolster wherein said spindle rotates, a bush secured in an aperture in said spindle, said bush being adjustable centrically with respect to the corresponding aperture in said ring rail, and said bolster being slidable axially within said bush, means hinged below said spindle rail to raise said bolster axially within said bush, and a spindle-braking device including a stationary abutment member having a resilient brake pad located in the path of axial movement of said flanged driving whorl and serving to arrest rotation of said spindle when said bolster is raised.

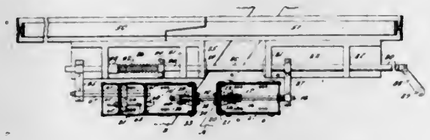
2,085,612
SHEET SEPARATING DEVICE
Georg Spiess, Leipzig, Germany
Application February 8, 1936, Serial No. 63,027
In Germany October 22, 1935
10 Claims. (Cl. 271—27)



1. Sheet separating device for sheet feeding machines, comprising separating means engaging the rear of the pile of sheets including a nozzled separating suction member, a suction conduit for said member, an air pump connection with said member, the part of the sheet sucked up by said separating member being automatically lifted by the suction force arising in said conduit and a cylinder upon closure of the suction opening by the sheet and the vacuum produced in said conduit during the sucking up of the sheet effecting the tipping of said suction member, a separating blower and pile feeler, a lifting bar extending in the direction of feed and operating linkages connecting said suction member and said separating blower and pile feeler with said lifting bar for raising the suction member together with the sucked-up part of the sheet, swinging the separating blower and pile feeler into operative position, moving the suction member to deliver the sheet and returning the blower and the suction member.

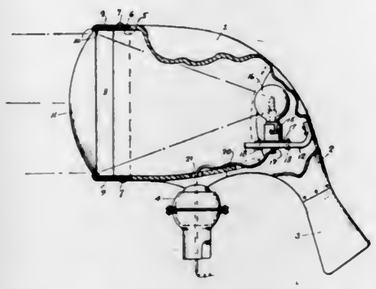
2,085,613
DRAWBRIDGE CIRCUIT CONTROLLER AND OPERATING MEANS THEREFOR
Thomas George Stiles, Arlington, N. J.
Application November 9, 1934, Serial No. 752,262
10 Claims. (Cl. 14—35)

5. The combination of a draw-bridge and draw-bridge abutment with a traction track circuit controller, an indicator and indicator circuit controller serving to indicate the functioning of said track circuit controller each of said controllers comprising cooperating contact members, one of said contact members of each controller being slidably mounted for movement to and from engagement with the other to make and break their respective circuits, one contact member of said circuit controller being mounted on said draw-bridge and one being mounted on said abutment; a draw-bridge locking device comprising interlocking members mounted on said draw-bridge and draw-bridge abutment, respectively, and one being slidably mounted for movement to and from locking engagement with the other, and connecting means between said slid-



able interlocking member and said slidable contact members, whereby, upon movement of the slidable locking member to and from its operative position of locking engagement with its cooperative locking member, the slidable contact members of said controllers will thereby be operated to engage and disengage with their cooperating contact members.

2,085,614
SPOTLIGHT
Stanley Stowick, Chicago, Ill.
Application August 6, 1936, Serial No. 94,652
1 Claim. (Cl. 240—44.2)

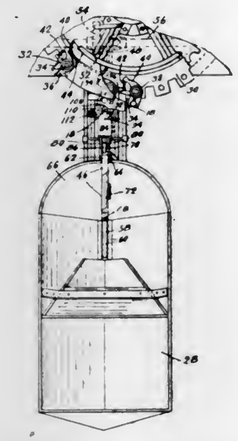


A spot light comprising a casing, a lens mounted on said casing, a bracket mounted horizontally in the casing, said bracket having spaced, parallel, longitudinal slots therein and including a pair of outer slots and an intermediate slot, a socket adjustably mounted on the bracket and including a base, an electric lamp in said socket, securing elements for the socket engaged in said base and adjustable in said outer slots and a contact for the lamp depending from the socket and adjustable in the intermediate slot.

2,085,615
CASING FEEDING MECHANISM
Elmer H. Taylor, Newburyport, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts
Application February 14, 1936, Serial No. 63,904
29 Claims. (Cl. 29—60)

1. Feeding mechanism for electric fuse casings comprising an intermittently advanceable carrier having a plurality of spaced casing retaining devices, a casing holding hopper, a chute conducting casings from said hopper into position for engagement with said retaining devices, a fixed abutment disposed in front of said chute in position to

determine the location of a casing in a retaining device, and a yieldable pusher for delivering in-



dividual casings into said devices and against said abutment.

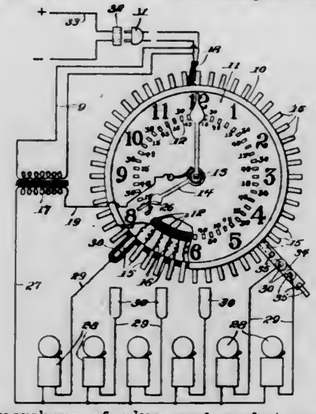
2,085,616
HINGE
Richard G. Voge, Annapolis, Md.
Application April 1, 1935, Serial No. 14,145
10 Claims. (Cl. 16—164)



1. Means for hinging a closure to swing about an exterior axis comprising two intermediate members, two end members, two pintles perpendicular to the axis each pivoting an intermediate member to a different end member, a pintle at an angle to the axis pivoting together the opposite ends of the intermediate members side by side the pintles being so positioned that their axes produced all meet in a point and all being in the same plane when the closure is closed.

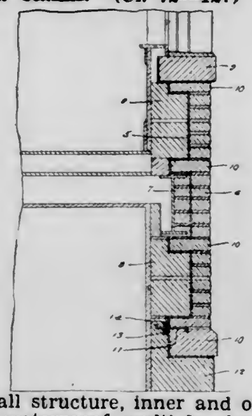
2,085,617
HOTEL ALARM SIGNAL
George C. Wagner, Baltimore, Md.
Application August 24, 1936, Serial No. 97,695
1 Claim. (Cl. 161—4)

The combination with a plurality of electric signal devices, of a time controlled switch means including a plurality of switch contact prongs disposed radially about a common center, multiple connectors for simultaneously connecting a group of the alarm devices with a predetermined prong including a rod adapted to engage the selected prong, and a plurality of contact prongs extending radially and longitudinally respectively from the rod and adapted to receive



socket members of plug and socket connectors associated with said group of signal devices.

2,085,618
WATERPROOF WALL
Edward J. Walsh, Peekskill, N. Y.
Application July 29, 1935, Serial No. 33,797
2 Claims. (Cl. 72—127)

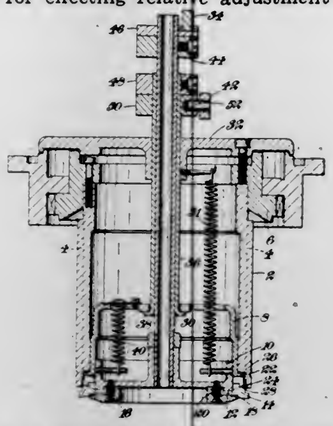


2. In a wall structure, inner and outer layers of brick, a waterproof multiple sheet member interposed between said inner and outer layers of brick, anchoring elements extending through apertures in said sheet material and respectively having their respective opposite ends anchored within said inner and outer layers of brick, and means imbedded within the inner layer of brick adjacent the anchor-punctured area of said sheet material for sealing the punctured area of said sheet material.

2,085,619
CIRCULAR KNITTING MACHINE
Carlyle Herbert Wainwright and George Alfred Buswell, Leicester, England, assignors to The Bentley Engineering Company, Limited, Leicester, England, a British Company
Application February 2, 1937, Serial No. 123,692
In Great Britain February 8, 1936
6 Claims. (Cl. 66—14)

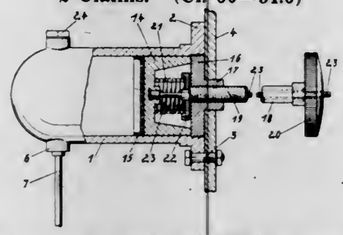
1. In a circular knitting machine, a rib needle cylinder, a verge located at an end of said cylinder, said verge comprising two separate parts,

bits carried by one of said parts, and automatic means for effecting relative adjustment of said



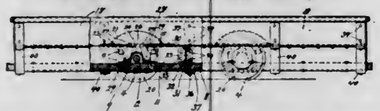
parts in a direction axially of the rib needle cylinder.

2,085,620
HYDRAULIC PRESSURE DEVICE
Hermann Kurt Weihe, Berlin, Germany
Application June 12, 1935, Serial No. 26,267
In Germany June 12, 1934
2 Claims. (Cl. 60—54.6)



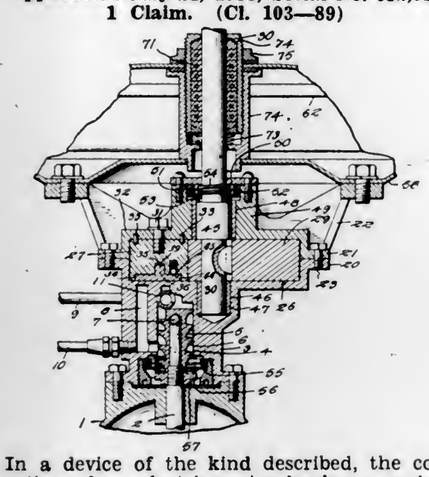
1. A hydraulic hand brake for automobiles or the like, comprising a fluid cylinder, a piston in said cylinder movable therein for actuating the brake, a spindle for driving said piston, spring means interposed between the piston and said spindle and acting on said piston for automatically regulating the pressure in said cylinder, and a rod secured at one end to said piston and extending axially through the spindle for indicating the position of the piston in said cylinder.

2,085,621
MINE CAR
Victor Willoughby, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 8, 1925, Serial No. 35,738
20 Claims. (Cl. 105—364)



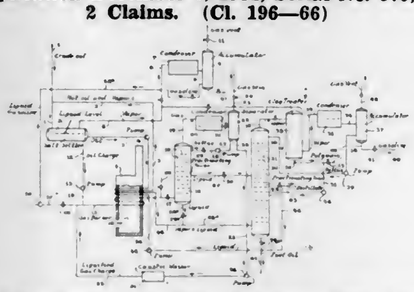
1. In a mine car, sills having vertical webs and oppositely disposed top and bottom flanges, side floor portions secured to said top flanges, tie plates connecting said bottom flanges, a center floor portion carried by said tie plates, means connecting said sill webs and secured to said center floor portion and tie plates and journal boxes secured to said sill webs and supporting said top flanges and side floor portions.

2,085,622
SCREW PUMP
Rudolph Witt, Northfield, Ohio
Application July 24, 1933, Serial No. 682,013
1 Claim. (Cl. 103—89)



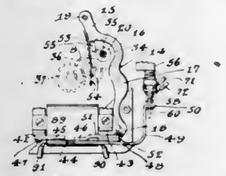
In a device of the kind described, the combination of an electric motor having a projecting armature shaft, a casting bolted to the motor casing and having a chamber receiving the shaft therein, a sleeve fixed to the shaft and having a helical peripheral rib, an anti-friction bearing between one end of the sleeve and the shaft end, an annular rib on the sleeve, a bellows sealed at one end to the outer end of the chamber, a spring sealing the other end of the bellows to the annular rib, said casting having a fluid way at one side of the chamber, a division wall between the fluid way and the chamber and having a port establishing communication therebetween, and a valve for controlling the outlet of fluid from the chamber.

2,085,623
PROCESS FOR MANUFACTURING MOTOR FUELS
Malcolm P. Youker, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application December 7, 1931, Serial No. 579,538
2 Claims. (Cl. 196—66)



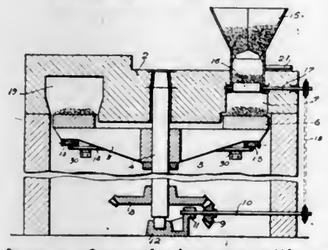
1. A process for manufacturing from crude oil, motor fuel having a high anti-knock rating, which comprises preheating said crude oil below cracking temperatures and removing gasoline vapors from the same, condensing gasoline vapors and thereby obtaining a gasoline condensate, heating the remainder of said preheated oil to a cracking temperature under high superatmospheric pressure, separating the hydrocarbon material which results from said heating into a lighter than gasoline fraction, a gasoline fraction, and a heavier than gasoline fraction, liquefying said lighter than gasoline fraction, and adding some of the gasoline condensate and some of said lighter than gasoline fraction in liquid phase to said remainder of the preheated oil before heating the latter to a cracking temperature.

2,085,624
REMOTE CONTROL APPARATUS
James Metthew Allen, Washington, D. C.
Application August 27, 1936, Serial No. 98,237
3 Claims. (Cl. 200—38)



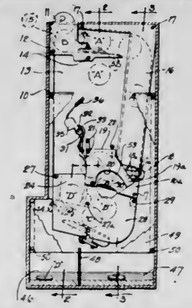
1. A time controlled circuit closer for radio receiving apparatus and the like and including a knife switch, spring actuated switch operating means including a bar having a bevelled end, a pivoted depressor member having its free end bevelled and coacting with the first mentioned bevelled end in one position to depress the switch operating means and open the switch, a spring engaging the depressor and urging it out of switch opening position, and a clockwork driven rotary cam engaging said depressor member and having a high portion moving the depressor member to switch opening position upon engagement of said high portion with the depressor member.

2,085,625
FURNACE FOR ORE REDUCTION
Gustav Andersen, Copenhagen, Denmark
Application December 22, 1933, Serial No. 703,640
In Norway December 29, 1932
2 Claims. (Cl. 263—28)



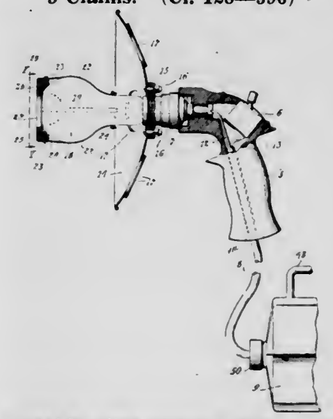
1. A furnace for reducing ore with non-liquid reducing means, comprising a closed annular chamber divided into zones, a conveyor rotatable within said chamber, feeding means for charging a layer of ore mixed with solid reducing means on to said conveyor, means for supplying and leading hot gases and reducing gases through the first zone of the said annular chamber, means for cooling another zone of the said chamber and discharging means, the means for charging being in known manner driven automatically in synchronism with the speed of the conveyor, the means for supplying and leading gases through the chamber leading the gases countercurrently to the direction of rotation of the conveyor, and the layer being discharged with such means that the reduced layer is not exposed to fresh or cooling air, the conveyor being constructed as an annular plate, the means for feeding, for heating and for cooling being placed relatively to each other to compel the ore on the rotatable plate to first traverse in the hot gases countercurrent thereto, then the zone of the chamber in which the hot gas is introduced into the chamber, and finally to traverse the cooled zone of the chamber, said cooled zone being bounded by a wall formed as a scraper for the reduced ore, said wall serving to deflect the flow of hot gases upward through the feeding means, and to prevent the hot gases from passing into the cooled zone of the furnace chamber.

2,085,626
COIN TESTING DEVICE
Theodore Bibicos, Cleveland, Ohio
Application March 12, 1936, Serial No. 68,472
2 Claims. (Cl. 194—103)



1. In a coin testing device, the combination with a vertical chute, of a spring gate normally projecting under the lower end of said chute at one edge thereof, and adapted to open under the weight of and pass a proper coin but to deflect a light slug, and a rocking beam pivoted below the lower end of said chute at the opposite edge thereof, and adapted to tilt to eject such deflected slug outwardly from the line of the chute.

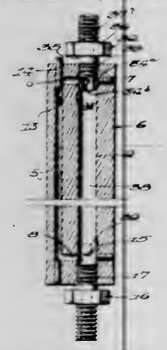
2,085,627
ULTRAVIOLET APPARATUS
Joseph A. Bodnar, Jackson Heights, N. Y., assignor to Westinghouse X-Ray Company, Inc., a corporation of Delaware
Application August 14, 1935, Serial No. 36,051
5 Claims. (Cl. 128—396)



1. A portable ultra-violet radiation unit comprising a handle having a configuration readily adapting the same to hand gripping by a user, a socket carried by said handle, an ultra-violet

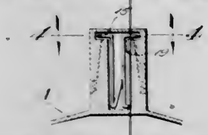
lamp adapted to be energized and to generate ultra-violet radiations within a preselected region of the spectrum disposed in said socket, a reflecting shield supported by said handle for directing the radiations emanating from said lamp in a desired direction and for preventing radiations from falling upon the hand of a user when holding said unit, and at least one window in said reflecting shield pervious to visible radiations but impervious to ultra-violet radiations to enable one to observe the positioning of said lamps without being subject to radiations from the latter.

2,085,628
COMPENSATING VOLUME CONTROL SAFETY DEVICE
Eldred B. Brannan, Ogden, Utah, assignor of twenty-five per cent to David H. Dunham and twenty-five per cent to George L. Niles, both of Alcova, Wyo.
Application October 19, 1936, Serial No. 106,460
6 Claims. (Cl. 303—84)



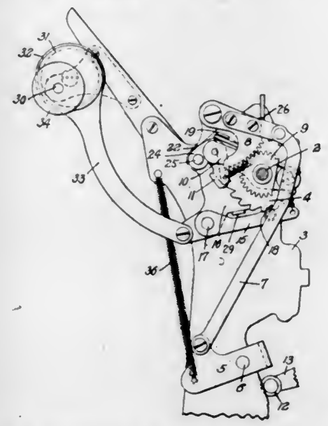
1. In a compensating volume control safety device for the purpose set forth, a structure formed with a bore constituting a valve chamber, a valve controlled tubular pressure outlet means extending into one end of said bore, a valve operating in said chamber, and a tubular pressure intake member extending into the other end of said chamber and having its inner end notched, the inner end of said member constituting a valve seat for said valve.

2,085,629
COLLAPSIBLE TUBE CAP
Tulio A. Brige, Caracas, Venezuela
Application July 17, 1936, Serial No. 91,200
1 Claim. (Cl. 221—60)



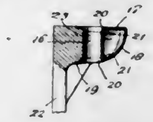
In a container, a mouth piece thereon and having a discharge laterally thereof, a screw closure cap separable engaged with said mouth piece and having a circular recess interiorly thereof, said mouth piece having a longitudinal guide way therein, a double prong link having a springy head frictionally engaged in the cylindrical recess in the cap for rotation of the latter upon said head, the double prongs of the link being slidably fitted in the guide way, and a lateral extension on one of the prongs and active on the other prong for the slidable latching of the link in said guide way.

2,085,630
CALCULATING MACHINE
Edwin F. Britten, Jr., Short Hills, N. J., assignor to Gardner Company, Orange, N. J., a corporation of Delaware
Application April 14, 1936, Serial No. 74,379
8 Claims. (Cl. 197—114)



1. In a machine of the character described, having a rotatable platen, a line space wheel carried thereby, a head mounted for rotation on the platen shaft, a detent pivoted to said head and engaging said line space wheel, a line space pawl rotatable with said head and normally clear of said wheel, means including a finger wheel for rotating said head together with said detent and said pawl for fractional adjustment of the platen, and means for reciprocating said pawl for line space movement of the platen in any fractional adjustment position thereof; said line space wheel being a spur wheel, and said pawl being reciprocable in the plane of said line space wheel.

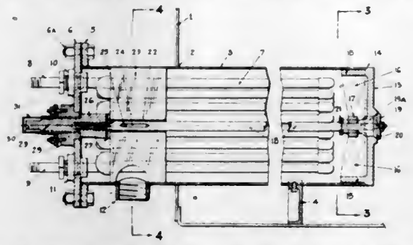
2,085,631
HINGE ASSEMBLY FOR CAST METAL MEMBERS
Ralph V. Burdick, Albany, N. Y.
Application March 13, 1936, Serial No. 68,763
2 Claims. (Cl. 16—128)



2. As a new article of manufacture, a bushing and carrier therefor as a unitary structure, said carrier including a substantially flat wall, a transversely and longitudinally arched end wall extended to provide a substantially flat portion disposed in spaced confronting relation to said flat wall and connected with the latter by said bushing.

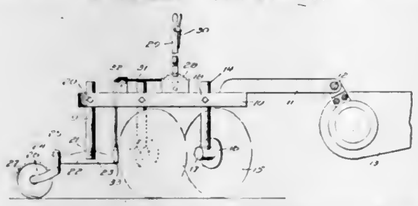
2,085,632
TANK HEATER
Louis H. Burkhart, Jr., Union City, Pa.
Application January 16, 1936, Serial No. 59,440
9 Claims. (Cl. 257—255)

1. In a tank heater the combination of a shell adapted to be introduced into a tank with an end exposed, said shell having an inner opening for communicating with the tank; a valve controlling the opening; heating means in the shell; and



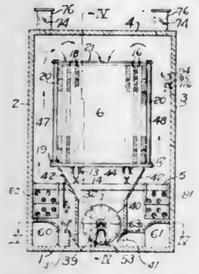
mechanism operative through the shell from the exposed end for actuating the valve.

2,085,633
PLOW
John E. Cary and Valerie Cary, Opelousas, La.
Application January 19, 1937, Serial No. 121,338
3 Claims. (Cl. 97—53)



1. A plow of the kind described comprising a main beam, longitudinally spaced vertically arranged stems adjustably fitting said beam, dished reversely disposed disks horizontally journaled on said stems and arranged at opposite angles to each other, a standard fitting the rear end of said beam, a rocking member pivoted in the lower end of said standard, a caster wheel swiveled at the rearmost end of said member, and means supported by the beam and connected with the forward end of the member for rocking the same.

2,085,634
DRY KILN
James Forrest Cobb, Portland, Oreg., assignor to Moore Dry Kiln Company of Oregon, a corporation
Application April 15, 1932, Serial No. 605,403
13 Claims. (Cl. 34—46)



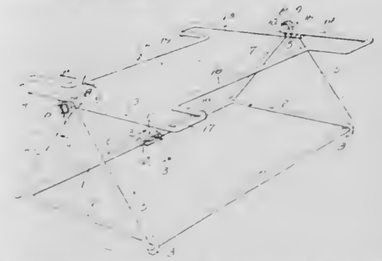
1. In a dry kiln, the combination of an air circulating system comprising spaced compartment air circulating units, each closed on a plurality of sides and open on one of its sides, paired substantially equal capacity fans, one right hand and one left hand, operatively mounted in the two ends respectively of each of said units, a fresh air supply duct to the suction side of each pair of fans in either direction of rotation of said fans, one duct extending through one of the closed sides of said unit, whereby the fans may discharge conditioned atmosphere in opposing currents substantially transversely through the said open side in one direction of their rotation, and discharge conditioned air out the ends respectively in the opposite direction of their rotation, a current from one compartment unit being opposed by a current from an adjacent compartment unit.

2,085,635
PLASTER BASE OR INSULATING MATERIAL
Edwin D. Coddington, Douglaston, N. Y., assignor to Reynolds Corporation, New York, N. Y., a corporation of Delaware
Application July 2, 1936, Serial No. 88,662
1 Claim. (Cl. 72—116)



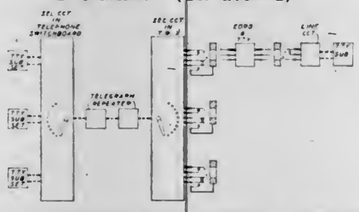
A reinforced plaster-supporting fabric comprising a sheet of flexible fibrous material bent back and forth to provide a series of regularly-spaced undulations, a plurality of reinforcing wires passing transversely through the undulations, said wires terminating even with one of the edges of the sheet and being extended beyond the opposite edge of the sheet and the ends of said wires being bent toward the surface of the sheet, and a plurality of sheet metal stays of trough-shaped cross-section seated within the bottom of certain of the undulations and having their side walls rigidly affixed to the reinforcing wires, said stays terminating even with one edge of the sheet and projecting beyond the opposite edge of the sheet.

2,085,636
YARN HOLDER
Harry J. Collins, Milwaukee, Wis.
Application July 22, 1936, Serial No. 92,003
6 Claims. (Cl. 242—115)



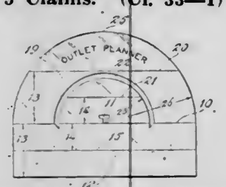
1. A holder comprising a foldable body frame including a base part and side parts, said side parts including arms at the ends thereof, means connecting the arms in cooperating pairs and providing bearings, means for holding the parts in set up position with the arms at an upright inclination, and reel means mounted for rotation in the bearings for disposal between the arms.

2,085,637
TELETYPEWRITER EXCHANGE SYSTEM
Clarence V. Collins, St. Louis, Mo., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 14, 1936, Serial No. 110,922
4 Claims. (Cl. 179—4)



1. In a communication system, a plurality of subscriber's stations, a telephone switchboard, a telegraph switchboard, line circuits respectively connecting said subscribers' stations to said telephone switchboard, one or more channels interconnecting said telephone and said telegraph switchboard, means at each of said subscribers' stations for originating a call, a signal located at said telephone switchboard and responsive to the operation of said means, an impulse device located at said telephone switchboard for transmitting over said channel to said telegraph switchboard groups of impulses corresponding to the number of the subscriber's station originating a call, a signal at said telegraph switchboard responsive to one of said groups of impulses, a message transmitting and receiving device at said telegraph switchboard, and manually operated means for connecting said transmitting and receiving device to an associated channel when said signal at said telegraph switchboard is operated.

2,085,638
ELECTRICAL OUTLET PLANNER
James Walter Collins, Oak Park, Ill., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application October 10, 1935, Serial No. 44,446
5 Claims. (Cl. 33—1)



1. An instrument to select positions for electrical outlet wiring devices on building plans, comprising a transparent sheet having an opening therein representing a wiring device location to be placed at a wall in a room on the building plans, and an edge on said sheet circumscribing, on the scale of the building plans, the area which can be reached from the wiring device by a given length of cord attached thereto, in combination with indicia on said instrument indicating the area occupied by furniture in the cord area.

2,085,639
TRANSMISSION REGULATION SYSTEM
Frank A. Cowan, East Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 2, 1931, Serial No. 572,698
9 Claims. (Cl. 178—44)

4. A signal transmission line, a network included therein composed of a plurality of individual rectifier units, means for transmitting direct current from the input to the output of each

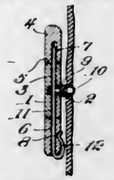


of said units and means for varying the amount of direct current thus transmitted through said units.

2,085,640
METHOD OF MAKING AN ASBESTOS-CEMENT AGGLOMERATE
Louis Czajko, Antwerp, Belgium
No Drawing. Application June 2, 1936, Serial No. 83,169. In Germany June 19, 1935
5 Claims. (Cl. 18—48.8)

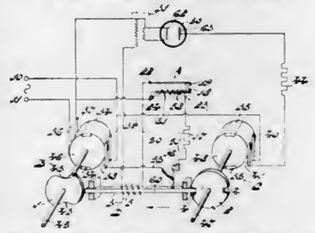
1. The method of making a homogeneous molded article of fine texture, comprising intimately mixing opened asbestos and cement, slowly adding water during further mixing to form pellets, ceasing the addition of water after the mix is free of powdered material and before the pellets become pasty and then pressing the pellets into intimate contact with each other in a mold to form a dense article.

2,085,641
DETACHABLE BUTTON
Joseph S. Davis, New Iberia, La.
Application July 28, 1936, Serial No. 93,073
7 Claims. (Cl. 24—111)



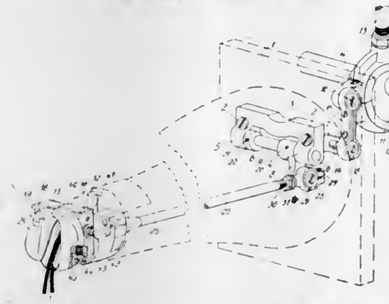
1. In a detachable button, anchoring means to be permanently fixed to a garment or the like, bored button means, a pin to extend into the bored button means and through the anchoring means for detachably securing the former to the latter, a head on the pin, to be clamped against the button means to provide clamping means for the pin to prevent casual removal thereof.

2,085,642
SWITCHING DEVICE
Frans Hendrik de Jong, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application June 15, 1936, Serial No. 85,372
In Germany July 5, 1935
7 Claims. (Cl. 175—363)



6. A switching device for closing the anode circuit of an incandescible cathode rectifier at a predetermined interval after closure of the cathode heating circuit comprising a manually-operated rotary switch for controlling the anode circuit, a second manually-operated rotary switch for controlling the cathode heating circuit, and means to make said first switch operative after a predetermined time interval after closure of said second switch and to prevent opening of said second switch while said first switch is closed, said means comprising operating members rotatable with said switches and provided with locking indentations, a movable interlocking member cooperating with said indentations to mechanically lock said switch, electromagnetic means for moving said interlocking member to unlock said first switch, and means including a thermal time-delay relay to energize said electromagnetic means at a predetermined time after closure of said second switch.

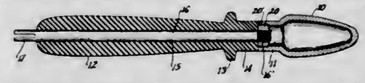
2,085,643
TRIMMING MECHANISM FOR SEWING MACHINES
Fritz Ebert, Oberndorf-on-the-Neckar, Germany, assignor to Mauser-Werke A. G., Oberndorf-on-the-Neckar, Germany, a joint stock company of Germany
Application December 17, 1935, Serial No. 54,929
In Germany December 17, 1934
4 Claims. (Cl. 112—122)



1. In a trimming mechanism for sewing machines having a supporting arm, a fixed upper knife-blade, a horizontally movable lower knife-blade, an intermediate shaft connected to the supporting arm, a double-armed lever fixed upon said intermediate shaft, an arm provided at the strap of the eccentric on the main shaft actuating the needle bar of the machine, a link pivoted to said arm on the eccentric strap and having a slot and bolt connected to one arm of said double-armed lever, a screw fixed to the other arm of said double-armed lever, a ball-shaped member forming part of said screw, a connecting rod having one of its ends pivoted to said ball-shaped member, a vertical shaft mounted in the supporting arm near the free end thereof, a bell-crank lever, carrying said lower knife-blade, fixed to said vertical shaft and connected with one of its arms to the free end of said connecting bar.

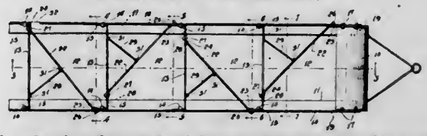
2,085,644
RECTAL ELECTRODE
Bert J. Ferciot, East Canton, Ohio
Application April 29, 1935, Serial No. 18,795
4 Claims. (Cl. 128—407)

1. A rectal electrode including a bulbous metal head generally tapered toward its free end, which is rounded, and insertable through the rectum and into the rectal portion of the colon, an insulation handle upon which said head is mounted, a conductor rod located through said handle and connected to said head, means for connecting said conductor in an electric circuit, and a projection upon said handle at a point so spaced from said head that said projection will engage the external sphincter of the rectum at the same time that the larger portion of the bulbous head engages the internal sphincter so as to hold the electrode



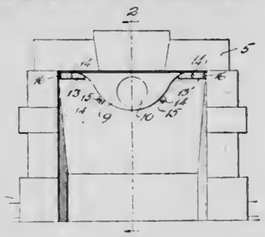
in position to carry the current to the nerves of the rectal portion of the colon and the internal sphincter while the external sphincter is protected from the current the electrode having a straight, central, longitudinal axis passing through the insulation projection and handle and through the rounded free end of the head.

2,085,645
FARM FLOAT
Mortimer Samuel Fish, Stuttgart, Ark.
Application January 5, 1937, Serial No. 119,145
5 Claims. (Cl. 55—22)



1. An implement of the class described having side beams, partitions between the side beams, deflectors in an alternate path connected to the side beams and the partitions, said partitions having openings therethrough for passage of soil from one deflector to another, and the final compartment having an escape opening through one of the side beams.

2,085,646
ATTACHMENT FOR FIREPLACES
William H. Frankland, Tampa, Fla.
Application September 2, 1936, Serial No. 99,127
3 Claims. (Cl. 126—314)

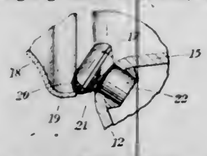


1. In an attachment for fireplaces, a horizontally disposed front plate having end flanges adapted for attachment to the masonry of a fireplace, a breast plate depending from the horizontal plate at the rear thereof and a bottom plate at the lower edge of the breast plate extending rearwardly to the rear wall of the fireplace, said breast plate having a stove pipe hole, and means for securing the bottom plate to the masonry of the fireplace.

2,085,647
VEHICLE WHEEL
Percy John Freeman, Darlaston, England, assignor to Rubery, Owen & Company, Limited, South Staffordshire, England
Application February 11, 1936, Serial No. 63,431
In Great Britain June 26, 1935
3 Claims. (Cl. 301—108)

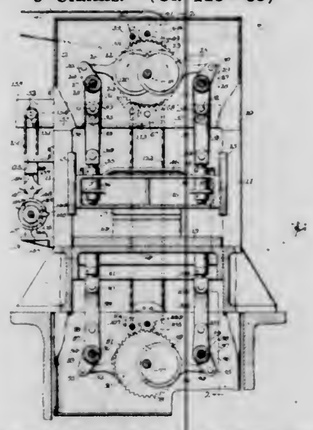
1. In combination, a wheel for a motor-vehicle, said wheel having on its axially-outer face

at least two spaced projections which are independent studs welded to the wheel, said projections having a rounded guiding surface and having overhanging lateral faces, and a detach-



able cap having a radially-inturned flange, said flange being of a size to be readily sprung over said projections and firmly retained thereby adjacent the outer face of the wheel.

2,085,648
PRESS
Rudolph W. Glasner, Chicago, Ill., assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application June 10, 1935, Serial No. 25,783
5 Claims. (Cl. 113—38)



1. In a press, a plurality of slides on one side of the bed, an eccentric supporting shaft, a plurality of sets of eccentrics rotatable about said shaft, a pair of shafts parallel to and on opposite sides of the first said shaft, a plurality of sets of rocking members mounted to move upon the said pair of shafts, link connections between one of said slides and one of said sets of rocking members, link connections between the other of said slides and the other of said sets of rocking members, eccentric strap connections between one set of said eccentrics and one set of said rocking members, eccentric strap connections between the other set of eccentrics and the other set of said rocking members, and means for rotating said eccentrics about the eccentric supporting shaft.

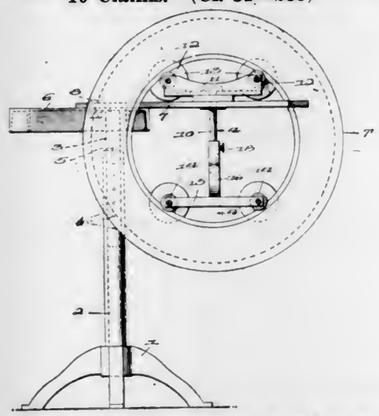
2,085,649
DISPENSING PACKAGE
Fred C. Gluck, Minerva, Ohio, assignor to Minerva Wax Paper Company, Minerva, Ohio, a corporation of Ohio
Application October 3, 1935, Serial No. 43,397
6 Claims. (Cl. 206—57)

1. In a dispensing package for flat sheet material having four side walls and opposed end walls, three adjoining side walls provided with spaced perforations defining a tear strip arranged centrally of said package whereby removal of said tear strip leaves a single side wall connecting portion joining the end sections of said package, one of said end walls provided with an integral flap having an intermediate portion disposed opposite said side wall connecting portion and secured to



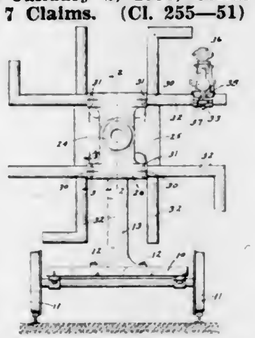
said package adjacent the opposite end wall to hold said end sections substantially parallel to each other and expose the intermediate portion of the sheet contents through the aperture provided by said tear flap.

2,085,650
TIRE BUFFING STAND
Elmore M. Godfrey, Jr., Knoxville, Tenn.
Application May 27, 1935, Serial No. 23,769
10 Claims. (Cl. 51—236)



8. A tire support comprising a rod adapted to extend diametrically across the tire, a roller carried by one end portion of the rod and arranged to bridge the beads of the tire, and a roller carried by the opposite end portion of the rod diametrically opposite the first-mentioned roller and arranged to bridge the beads of the tire.

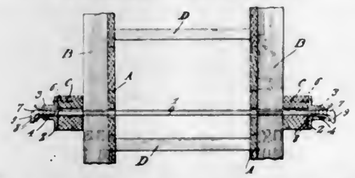
2,085,651
SUPPORTING FRAME FOR ROCK DRILLS
Louis W. Greve, Cleveland, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application January 2, 1936, Serial No. 57,151
7 Claims. (Cl. 255—51)



1. In a portable drilling apparatus, the combination of a carrying frame, wheels supporting said frame, a plurality of tool supporting

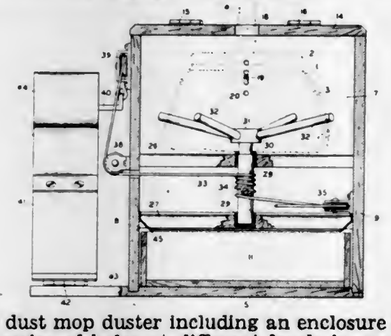
bars transversally of said frame and carried thereby for independent rotation around a common longitudinal axis, and means for simultaneously establishing a rigid connection between each of said bars and frame.

2,085,652
CONCRETE FORM TIE
Albert D. Guidi, Great Barrington, Mass.
Application August 6, 1935, Serial No. 34,954
3 Claims. (Cl. 25—131)



1. In a tie for concrete forms, a tie wire, and clamping means for one end thereof comprising a collar member having a conical bore through which the tie wire extends, and a wedging key having an engaging end of the general conical shape conforming to the conical bore of the collar and with circumferential interruptions providing gripping teeth for engaging the tie wire at any angle at which the key may be inserted in the bore of the collar or position the tie wire may engage the bore of the collar.

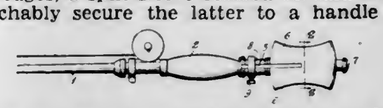
2,085,653
DUST MOP DUSTER
Thomas Gutterson, San Francisco, Calif.
Application August 27, 1934, Serial No. 741,573
1 Claim. (Cl. 15—89)



A dust mop duster including an enclosure having series of holes at different levels in opposite sides thereof and a vertical saw kerf coincident with one of said series of holes; a vertical spindle rotatably mounted within said enclosure; a beater fixed on said spindle; means for rotating said spindle and beater; a mop stop consisting of a cross bar traversing said enclosure above said beater and having its ends engaged in said holes; said cross bar having a portion adjacent one of its ends bent so as to be slidable in said saw kerf; and a loop in juxtaposition to said end and adapted to be manually pulled to release said end from the one of said holes in which it is engaged, said enclosure being so constructed and arranged that a dust mop may be introduced therein and rest on said stop in cooperative relation to said beater.

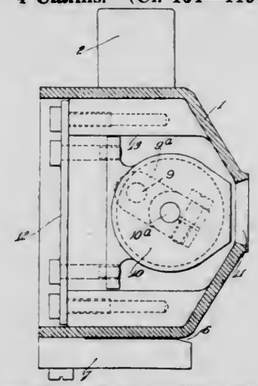
2,085,654
ARMPIT REST FISHING ROD HANDLE
Lewis G. Harris, Baltimore, Md.
Application November 27, 1935, Serial No. 51,937
1 Claim. (Cl. 43—25)

An attachment for fishing poles comprising an elongated body having concaved oposite faces and side edges, a split sleeve formed on said body to detachably secure the latter to a handle of a



fishing pole and located at one end of the body, and a projection formed on the other end of the body.

2,085,655
TICKET ISSUING MACHINE
William Percy Harris, Romford, England
Application February 11, 1936, Serial No. 63,444
In Great Britain February 14, 1935
4 Claims. (Cl. 164—119)

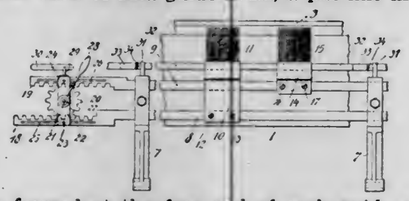


1. In a machine for punching tickets, a hollow casing providing a guideway, a plunger mounted for reciprocation in said guideway, said plunger having a plurality of sockets therein, said casing having a plurality of passages registering with said sockets, a plurality of punching elements secured within said sockets and mounted for guided sliding movement in said passages in response to reciprocation of said plunger, said casing having a ticket slot disposed transversely to said guideway and communicating with said passages, the wall of said ticket slot opposite said passages defining a plurality of openings into which said punching elements may project when said plunger is reciprocated into operative position, and resilient means for restoring said plunger and punching elements to normal position after a ticket has been punched, said plunger being provided with a reduced diameter portion and said resilient means comprising a compression spring disposed in said guideway and encircling said portion of said plunger.

2,085,656
AUXILIARY PRESSER FOR FLAT KNITTING MACHINES
Woldemar Heinitz, Chemnitz, Germany, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany
Application July 24, 1936, Serial No. 92,446
In Germany November 5, 1935
1 Claim. (Cl. 66—98)

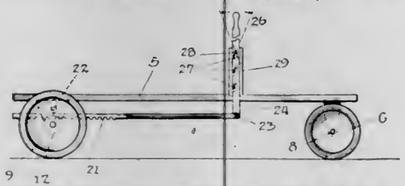
An auxiliary presser for flat knitting machines, comprising in combination a jack sinker bearing, a cam shaft arranged below said bearing, a circular disc and a cam fixed on said cam shaft, a shaft also arranged below said bearing and extending in parallel to said cam shaft, a spring actuated lever fixed on said shaft, a roller adjustably carried by

said spring actuated lever, a slidably arranged fork engaging said roller and adapted to bring said roller in the path of said circular disc and said cam respectively, a plurality of levers also fixed on said shaft, guide arms pivoted to the free ends of said levers, tension springs urging said guide arms towards said shaft, a projection having an inclined surface at each of said guide arms, counter-projections having an inclined surface provided at said jack sinker bearing, one opposite each of said projections on said guide arms, an auxiliary bar shiftably arranged in front of said jack sinker bearing, a projection having an inclined surface provided at said auxiliary bar opposite each of said guide arms, a pin-like mem-



ber formed at the free end of each guide arm, said pin-like members bearing against said auxiliary bar and adapted to be shifted by the inclined surfaces of said projections on said auxiliary bar, two bars shiftably mounted in said guide arms, a rack formed at one end of each of said bars, a toothed wheel engaging both racks at said bars, a frame carrying said toothed wheel, pins fixed to said frame and extending through elongated slots in said racks, a hand lever fixed to the hub of said toothed wheel, a pointer fixed to one of said racks and cooperating with a scale to indicate the position of said bars, supports fixed to said bars, one on each bar in each division, and auxiliary press instruments carried by said supports.

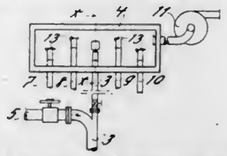
2,085,657
DRIVING MECHANISM
Nicholas Heisdorf, San Francisco, Calif.
Application April 23, 1934, Serial No. 722,028
2 Claims. (Cl. 208—37)



1. In combination with a vehicle of the class described, of a vehicle body having fixed uprights mounted on opposite sides thereof, and provided with pivoted actuating levers, a rear axle having pinions mounted thereon, rack bars connected to said levers and adapted to engage said pinions, means for adjusting the throw of said levers and said rack bars, comprising angularly disposed slots formed in said levers and clutch means arranged on said rear axle whereby the manual operation of said actuating levers is effective in one direction only.

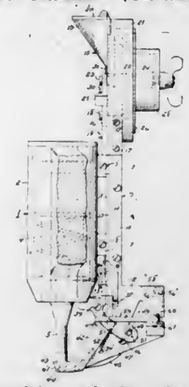
2,085,658
APPARATUS FOR ALARMING THE OUTBREAK OF FIRE
Carl Hoffbauer, Hamburg, Germany
Application November 21, 1934, Serial No. 754,186
In Germany August 24, 1933
5 Claims. (Cl. 169—16)

1. Apparatus for giving warning of the outbreak of a fire consisting of a plurality of indicating pipes extending into rooms to be protected characterized by the fact that each of said pipes is provided at the end extending into said rooms with a closure arranged to be rendered ineffective when subject to fire temperatures, the opposite end of each of said pipes extending into an enclosure, and each last named end being provided with a device for indicating the outbreak of fire, means communicating with said enclosure



for maintaining in said pipes and enclosure a fluid at a pressure different from that prevailing in the rooms to be protected, said indicating device being rendered operative by a flow of said fluid occasioned by said closure being rendered ineffective and a valve controlled means communicating with each of said indicating pipes adapted to supply fire extinguishing medium thereto.

2,085,659
RIVETING MACHINE
Fred A. Howard, Kenmore, N. Y.
Application April 18, 1936, Serial No. 75,161
10 Claims. (Cl. 218—2)

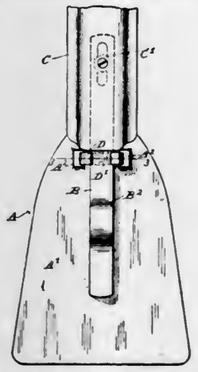


1. In a machine of the class described, the combination with a driving punch, of means for feeding rivets to a position in axial alignment with said punch and holding said rivets in such position, and including a pair of cooperating rivet holding jaws relatively separable laterally under the action of said punch and releasable holding means engaging between said jaws.

2,085,660
SPLASH GUARD
Walter C. Jackson, Rahway, N. J., assignor to Tingley-Reliance Rubber Corporation, a corporation of New Jersey
Application October 8, 1935, Serial No. 44,005
19 Claims. (Cl. 208—141)

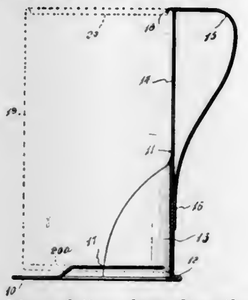
17. A fender splash guard adapted to be secured to a stand holding clip depending from the fender, including, in combination, a flexible vulcanized rubber apron and means for securing the apron to the clip, said means including a pair of spaced rubber lugs presenting opposed parallel faces vulcanized into the apron, a vulcanized rubber member bridging the space between the

lugs and formed with a base portion entering between the lugs and ears projecting from the base portion, the outer ends of said member adjacent the lugs being provided with surfaces flaring outwardly beyond the inner faces of the lugs, said ears in their inner portions being formed with opposed recesses immediately above the base por-



tion to receive the clip, and a bolt passing through the base of said member and through the apron, whereby as the bolt nut is screwed up, the bridge member will be drawn toward the apron, the lugs acting on the flaring portions of the ears to effect a movement of the latter toward each other more tightly to grip the clip.

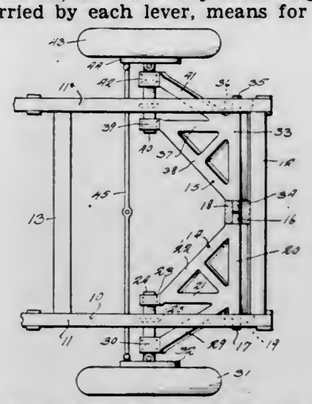
2,085,661
CAN HOLDER AND SERVER
Marion William Janowski, Bakersfield, Calif.
Application January 30, 1936, Serial No. 61,585
4 Claims. (Cl. 65—61)



1. A can holder of the class described, having a base, a relatively narrow wall rising from one side of the base, a hook on said wall for retaining engagement by a can or the like, and an upstruck resilient tongue on said base to engage a can or the like and urge the same toward and maintain it in engagement with said hook.

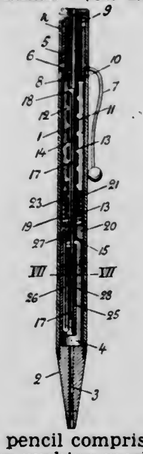
2,085,662
VEHICLE SUSPENSION DEVICE
Valter A. Johnson, Wagoner, Okla.
Application October 8, 1935, Serial No. 44,115
2 Claims. (Cl. 267—19)

1. A suspension means for a vehicle frame comprising a pair of triangularly shaped levers disposed with one side thereof substantially parallel to a side of the frame and another side thereof parallel to an end of the frame, a pair of alined trunnions integral with each lever, one trunnion of one lever being in confronting position to a trunnion of the other lever, a central bearing for each of said confronting trunnions, outer bearings for the other trunnions of said levers carried by the frame, an outwardly extending bracing arm carried by each lever, means for pivotally



securing an axle to a lever and an arm, and a spring secured to each axle between said arm and the lever and to the vehicle frame.

2,085,663
SCREW PENCIL
Karl Valdemar Jørgensen, Hellerup, Denmark
Application February 4, 1935, Serial No. 4,853
In Denmark February 16, 1934
7 Claims. (Cl. 120—18)

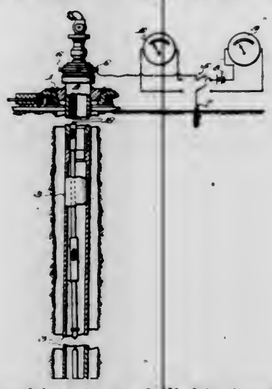


1. In a screw pencil comprising a tubular casing with a rotary pushing mechanism in the rear portion thereof and the forward portion thereof forming a magazine for spare leads, two cooperating parts to guide the leads comprising a member having a spiral guide face leading from the wall of said magazine to the axis of the pencil, a slide adapted to move relatively along said guide face, a friction connection coupling for attaching one of said two co-operating parts to the rotary part of said pushing mechanism.

2,085,664
METHOD AND APPARATUS FOR DETERMINING POROSITY OF ROCK FORMATIONS
John C. Karcher, Dallas, Tex., assignor to Geophysical Service, Inc., Dallas, Tex., a corporation of New Jersey
Application August 9, 1935, Serial No. 35,431
5 Claims. (Cl. 175—182)

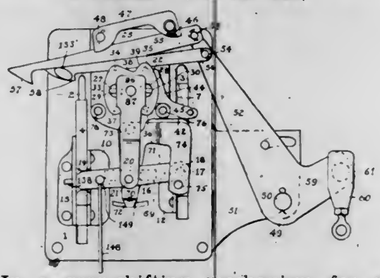
1. A method for determining the porosity of sub-surface rock formations which consists in

causing a current to flow through an insulated conductor within the drill stem of a rotary



drilling machine to a drill bit insulated from said drill stem, and in measuring the amount of electrical polarization resulting therefrom.

2,085,665
GEAR SHIFTING MECHANISM
Frank P. Lackinger, McKees Rocks, Pa.
Application June 1, 1932, Serial No. 614,665
9 Claims. (Cl. 74—334)

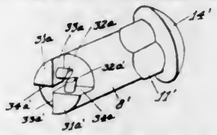


1. In a gear-shifting mechanism for automobiles, a pair of longitudinally movable bars each carrying a gear-shifting fork, means for releasably locking one or the other of the two bars in its intermediate position, an operating lever having its ends respectively pivotally connected to the bars for moving the bars longitudinally, a pitman having one end pivoted to the lever intermediate of its ends, a rotary turret having diametrically-opposite crank-pins, means carried by the remaining end of the pitman for connection to one or the other of the crank-pins to give reciprocatory movement to the pitman, the operating lever and the unlocked bar, and means for rotating the turret to effect such reciprocatory movements said means operating upon each actuation thereof to rotate the turret through two successive steps.

2,085,666
MANUFACTURE OF SOLVENTS BY FERMENTATION
James F. Loughlin, Milwaukee, Wis.
No Drawing. Application February 25, 1935, Serial No. 8,107
8 Claims. (Cl. 195—13)

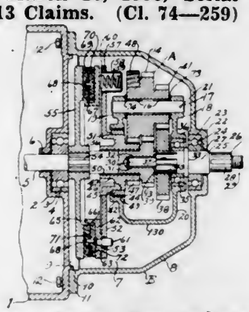
1. The method of manufacturing solvents by the fermentation of a carbohydrate mash which comprises successively fermenting the mash by the action of bacteria capable of producing solvents including butyl alcohol, and yeast and subjecting the beer produced by the bacterial fermentation to distillation to remove the solvents produced thereby before any of said fermentable carbohydrate is allowed to be acted upon by said yeast.

2,085,667
HACKSAW CONSTRUCTION
Harry P. Macomber, Worcester, Mass., assignor to Parker Wire Goods Company, Worcester, Mass., a corporation of Massachusetts
Application September 20, 1935, Serial No. 41,445
2 Claims. (Cl. 145—34)



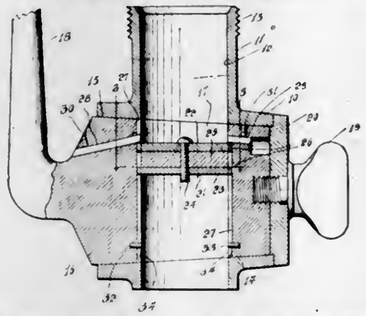
1. In a hack saw or the like, a member providing a blade-supporting terminal portion of substantially round stock section, the latter being cut away to provide opposite connecting recesses of substantially quadrant form, there being a saw blade-holding pin projecting from each radial face limiting one of said recesses, and each radial face limiting the other recess being offset slightly from the corresponding parallel face of the first-named recess to provide a retaining abutment operative against the outside surface of the saw blade, when the latter is engaged with a pin of the first-named recess.

2,085,668
TRANSMISSION
Theodore M. Mueller, Pontiac, Mich.
Application March 16, 1936, Serial No. 69,002
13 Claims. (Cl. 74—259)



1. In a transmission, the combination of a drive shaft rotatably mounted, a driven shaft rotatably mounted, a gear fixedly mounted on said drive shaft and adapted to rotate therewith, a second gear fixedly mounted on said driven shaft and adapted to rotate therewith, a clutch gear rotatably mounted on said drive shaft and provided with a flange, a clutch member slidably supported by said flange of said clutch gear, said clutch member being provided with a friction contact surface, a disc slidably and rotatably supported on said clutch member and provided with oppositely disposed friction facings, one of said friction facings being adapted to engage said friction contact surface of said clutch member, a second clutch member fixedly supported on said drive shaft and adapted to rotate therewith, said second clutch member being provided with a friction contact surface adapted to engage one of said friction facings of said disc, resilient members supported by said flange of said first mentioned clutch member and adapted to cause increased pressure between said facings of said disc and said friction contact surfaces of said first mentioned and said second clutch member, a carrier member rotatably supported on said drive and said driven shafts, said carrier member being adapted to rotate about the axes of said drive and said driven shafts, a plurality of countershafts fixedly supported by said carrier member and adapted to rotate therewith, and countershaft gears rotatably mounted on each of said countershafts and adapted to rotate with said carrier member about the axes of said drive and said driven shafts, each of said countershaft gears being provided with a gear meshing with said gear fixedly mounted on said drive shaft, each of said countershaft gears being provided with a gear meshing with said second gear fixedly mounted on said driven shaft, each of said countershaft gears being further provided with a gear meshing with said clutch gear rotatably mounted on said drive shaft.

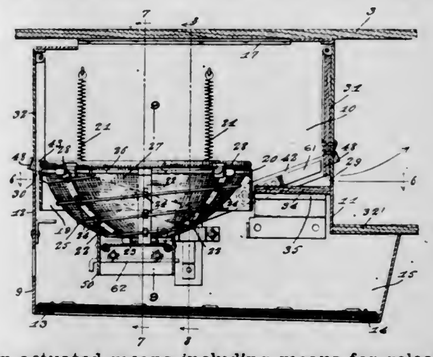
2,085,669
DISPENSING DEVICE
Richard Noyes, Portland, Maine
Application April 20, 1936, Serial No. 75,489
2 Claims. (Cl. 221—106)



1. A dispensing and measuring valve comprising a housing having a passage therethrough, a valve member intersecting said passage and having an opening therethrough adapted to register with said passage when the valve member is in open position, said valve member having a pair of diametrically opposed keyways in the opening thereof, a plunger slidable in said valve member opening, keys carried by the plunger engaging in said keyways, stop members carried by the valve member adjacent one end of the opening, a pair of removable stop pins carried by the valve member adjacent the opposite end of the opening, and means for removably securing said stop pins in the valve member.

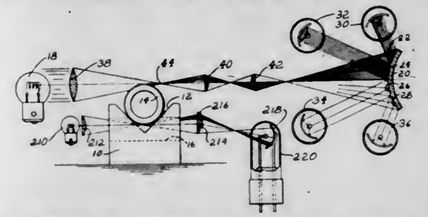
2,085,670
AUTOMATIC TRAP NEST
Henry O. Peters, Tacoma, Wash.
Application December 16, 1935, Serial No. 54,744
7 Claims. (Cl. 119—47)

1. An automatic trap nest comprising a casing having inlet and outlet openings, normally closed and hen opened swinging doors for the inlet and outlet openings and having ventilating means therefor, means for controlling the opening of the doors and including means movable into and out of the path thereof, nest means including a frame mounted for rocking movement in the casing, a lining for the nest means, releasable means of connection between the frame and the controlling means for moving the latter when pressure is applied or removed by the hen with respect to the nest means, and



egg actuated means including means for releasing the means of connection to allow movement of the controlling means independent of the frame.

2,085,671
MEASURING AND SORTING APPARATUS
Ralph A. Powers, Grosse Pointe, Mich., assignor to Electronic Control Corporation, Detroit, Mich., a corporation of Michigan
Application September 3, 1935, Serial No. 38,914
16 Claims. (Cl. 209—82)

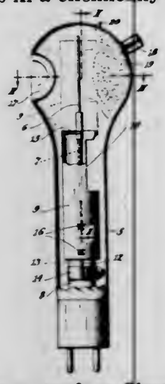


1. Measuring apparatus including a source of light, a plurality of light sensitive units spaced therefrom, means for normally dividing a beam of light from said source into predetermined beam sections and directing said beam sections in angular relationship with respect to each other, one upon each of said light sensitive units respectively, a support so constructed and arranged as to position each of a plurality of articles of different sizes in correspondingly different light obstructing relation with respect to said beam respectively, and means for interpreting the light obstructing properties of said articles in terms of their dimensions.

2,085,672
PHOTOELECTRIC TUBE
Harvey Clayton Rentschler, East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 1, 1935, Serial No. 8,815
2 Claims. (Cl. 250—27.5)

1. The method of constructing a photo-electric tube provided with an electrode having a photo-sensitive threshold not greater than 2000 Angstrom units, which consists in sputtering a layer of platinum upon the interior wall of the envelope of the tube by the passage of an electrical discharge between the electrodes of the tube in the presence of a gaseous medium at a

substantial pressure having no affinity for the sputtered platinum in order that the deposited layer thereof is in a chemically pure state free of



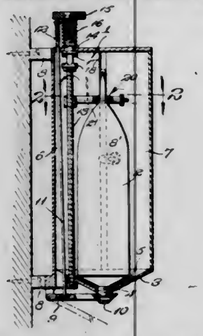
occluded gases or surface films having a photosensitive threshold not greater than 2000 Angstrom units.

2,085,673

SHAVING CREAM AND TOOTHPASTE DISPENSER

Paul F. Roache, Saratoga Springs, N. Y.

Application October 22, 1936, Serial No. 107,095
2 Claims. (Cl. 221—60)



1. A dispenser comprising a casing, including a hinged section to permit a collapsible container to be arranged in the casing in an inverted position with the discharge neck thereof extending outwardly of the casing, a closure for said container and pivoted to the casing, squeezing means adaptable to the container, a rod pivoted to said closure and extending through said casing, a feed shaft journaled in said casing and extending exteriorly thereof, a sleeve slidably and rotatably mounted on said feed shaft, a finger piece secured to said sleeve and engaged by said rod, spring means acting on said sleeve, spring means acting on said rod, means connecting the squeezing means to the feed shaft, and a clutch between the feed shaft and said sleeve and engaged by endwise movement of the sleeve on the feed shaft.

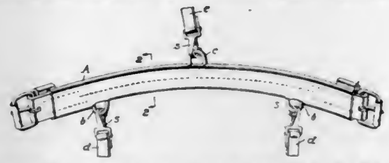
2,085,674

HARNESS BELLYBAND

Philip S. Sidell, Holmesville, Ohio

Application September 4, 1936, Serial No. 99,375
1 Claim. (Cl. 54—23)

In a harness, a belly-band therefor comprising an outer band, a metal strip of sufficient strength and weight to sustain the outer band in position and support the harness connected therewith embedded therein, a pair of loops spaced apart adapted to engage breech-straps of the harness and hold them apart rigidly, and



a central loop adapted to engage the choke-strap detachably to the belly-band, said loops united integrally with the metal strip and protruding therefrom thru the outer band in said spaced relation, substantially as set forth.

2,085,675

SAFETY PAPER AND METHOD OF MAKING SAME

Francis L. Simons, Needham, Mass., assignor to George La Monte & Son, Nutley, N. J., a corporation of New Jersey

No Drawing. Application February 4, 1935
Serial No. 4,872
8 Claims. (Cl. 91—67.95)

1. A safety paper having incorporated therein a mono-nitrogen substituted naphthylamine.

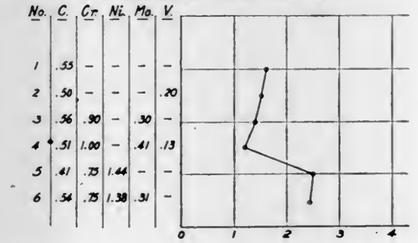
2,085,676

HOT WORK DIE BLOCK

John A. Succop, Pittsburgh, Pa., assignor to Heppenstall Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 26, 1936, Serial No. 97,926
4 Claims. (Cl. 78—60)

No.	C.	Cr	Ni.	Mo.	V.
1	.55	–	–	–	–
2	.50	–	–	–	.20
3	.56	.90	–	.30	–
4	.51	1.00	–	.41	.13
5	.41	.73	1.44	–	–
6	.54	.75	1.38	.31	–



Recalescence Volume Changes in Mills per inch.

1. A hot work die block formed of steel comprising 0.4 to 0.7 per cent of carbon, 0.6 to 1.25 per cent of chromium, 0.6 to 1.0 per cent of manganese, 0.3 to 0.8 per cent of molybdenum, 0.08 to 0.2 per cent of vanadium, and the balance substantially iron.

2,085,677

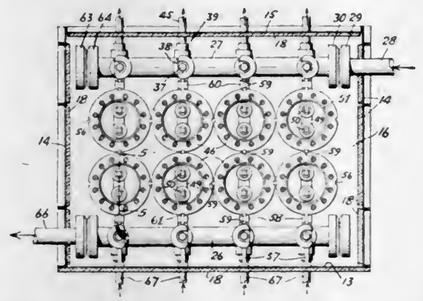
HIGH PRESSURE HEAT EXCHANGER

Clarence H. Thayer, Wallingford, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application August 15, 1935, Serial No. 36,333
4 Claims. (Cl. 257—247)

1. A heat exchanger comprising a multiplicity of series of tubes of relatively large diameter, a multiplicity of series of tubes of relatively small diameter, return headers joining adjacent pairs of said tubes of relatively large diameter, return connections arranged within said return headers and joining adjacent pairs of said tubes of relatively small diameter, an integral manifold

at each end of said multiplicity of series of tubes for introducing fluid into one of said series of tubes and withdrawing fluid from the other of said series of tubes, each of said manifolds comprising a longitudinal chamber with which said tubes of relatively small diameter communicate,



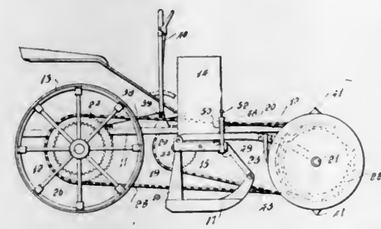
and chambers surrounding the ends of said tubes of relatively small diameter and with which said tubes of relatively large diameter communicate, means for interlocking adjacent return headers, and means for interlocking said manifolds and the return headers adjoining the same.

2,085,678

ROTARY CHECKING ATTACHMENT FOR PLANTERS

William L. Ginn, Muncie, Ind.

Application June 3, 1936, Serial No. 83,391
3 Claims. (Cl. 111—23)



1. In combination with a planter, brackets thereon, a shaft controlling the discharge of seed from the planter journalled in said brackets, arms pivoted to the brackets, marker means engageable with the ground rotatably carried by said arms, means to drive the marker means from the planter, and means driven from the marker means to actuate said shaft.

2,085,679

METHOD OF PRODUCING AMINO-NITRILES

Wilhelm Gluud, Walter Klempt, and Fritz Brodkorb, Dortmund-Eving, Germany, assignors to Gesellschaft für Kohlentechnik m. b. H., Dortmund-Eving, Germany

No Drawing. Application September 17, 1934, Serial No. 744,464. In Germany September 21, 1933
6 Claims. (Cl. 260—99.30)

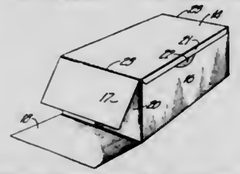
1. A method of producing amino-nitriles which consists in treating the nitriles of α-hydroxy-aliphatic carboxylic acids with an excess of liquefied ammonia in a closed vessel and then removing the excess of ammonia by running the liquid while heating in a thin film over large surfaces.

2,085,680

CARTON AND BLANK FOR FORMING SAME

Charles J. Grace, Jr., Albany, N. Y., assignor, by mesne assignments, to Utility Packages, Inc., a corporation of New York

Application January 20, 1932, Serial No. 587,664
2 Claims. (Cl. 229—51)



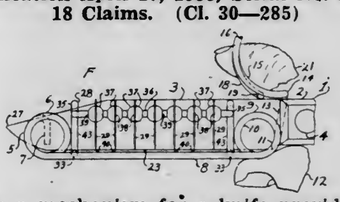
1. A carton comprising a cover provided with a flap portion overlying, at least in part, a proximate wall portion of said carton, at least one of said portions having adhesive thereon in registry with the other of said portions, said adhesive extending substantially the full length of said portions, and at least one of said portions having associated, with a part of its surface intermediate the ends of said adhesive, a material which is repellent to said adhesive, said part extending to the edge of said flap portion, whereby an unattached area between said flap portion and said wall portion is provided, extending from the edge of said flap portion whereby there is available a place where an opening element may be inserted between the wall portion and the flap portion which adheres thereto so that a purchase may be obtained to move the flap portion.

2,085,681

KNIFE GUARD MECHANISM

Warren C. Lichty, Detroit, Mich.

Application April 17, 1935, Serial No. 16,744
18 Claims. (Cl. 30—285)



1. In a mechanism for a knife provided with a blade and a handle for slicing a potato or similar object, the combination of a guard mechanism provided with convoluted portions at each of its ends, each of said convoluted portions comprising a plurality of coils together with a spacer portion connecting said convoluted portion and extending substantially parallel with and in spaced relationship to said blade, said spacer portion being located in a plane extending substantially at right angles to the broad surface of the blade and below its cutting edge, said spacer portion being adapted to be held in engagement with the potato or similar object during the slicing operation, the blade of the knife being adapted to be entered and frictionally held between a pair of coils of each of the convoluted portions of said guard mechanism, one of the convoluted portions of said guard mechanism being located adjacent the junction point of the blade and the handle of the knife, said last mentioned convoluted portion extending beyond the heel of the blade of the knife to protect the thumb of the operator when the knife is held in the hand of the operator for paring or slicing the potato or similar object, the other of said convoluted portions being located rearwardly from the point of the blade of the knife to leave said point free

for digging eyes, specks, etc., from the potato or similar object, and a slicer mechanism provided with loop portions at each of its ends for resiliently engaging the sides of the blade of the knife to secure the slicer mechanism on the blade of the knife, said loop portions being located in engagement with the inner surfaces of said convoluted portions of said guard mechanism to further retain said guard mechanism on the blade of the knife, said slicer mechanism being further provided with a third portion extending in a spaced relationship with and substantially parallel with the broad surface of the blade of the knife, said slicer mechanism being further provided with a plurality of cutters mounted in spaced relationship on said third portion of said slicer mechanism and each having surfaces abutting the broad surface of the blade of the knife, said cutters each having cutting edges extending adjacent the cutting edge of the blade of the knife and adapted to slice into strips the slice of the potato or similar object which is being sliced therefrom by the cutting edge of the blade of the knife.

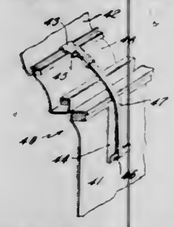
2,085,682

CASKET

Murray J. MacDonald, Long Island City, N. Y., assignor to The National Casket Company, Inc., Boston, Mass., a corporation of New York

Application February 1, 1936, Serial No. 61,949

1 Claim. (Cl. 27—19)



In a lined casket having a hinged top, a device for supporting the top in open position and limiting the opening movement thereof, said device being concealed by the lining and comprising a strap and plates secured to the inner wall of the top and to the inner wall of the casket proper for attaching the upper end of the strap to the top and the lower end of the strap to the casket proper, the lower end of the strap being bent back upon itself to form a loop, and the plate secured to the casket proper including a hoop which receives said loop, permitting travel of the lower end of the strap relative to the casket wall as the top is opened or closed and stopping such movement when the top is fully open, such travel taking place without disturbing the lining of the casket proper or encroaching upon the body compartment thereof.

2,085,683

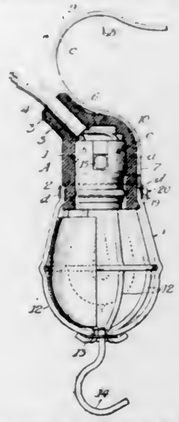
PORTABLE INCANDESCENT LAMP

Charles S. McGill, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana

Application August 11, 1934, Serial No. 739,377

6 Claims. (Cl. 240—54)

1. A portable incandescent electric lamp, comprising a lamp socket having electrical contacts and means for making electrical connections thereto, a holder made of resilient insulating material provided with a recess arranged and proportioned to receive the lamp socket and with an exterior annular groove, a split collar arranged to interlock with said groove, means for securing said split collar to said holder in engagement with said annular groove, a combined suspension hook and handle rigidly secured to said split ring or collar, said recessed holder being provided with a hole in its closed end which communicates with the recess therein through which as assembled for use, the electrical conductors connected to the lamp socket extend, the relation being such that



the shank portion of the suspension hook and handle adjacent its point of attachment to the ring or collar secured to the holder conforms substantially to the contour of said holder and is bent around the closed end thereof and then reversely to form an open-sided hook proportioned and arranged to be conveniently grasped and firmly held.

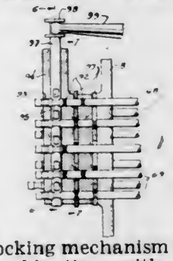
2,085,684

MACHINE TOOL HEADSTOCK

Frank H. Mussler, Stratford, Conn., assignor to The Bullard Company, a corporation of Connecticut

Application February 8, 1933, Serial No. 655,735

11 Claims. (Cl. 74—483)



1. In an interlocking mechanism for gear shifting rods, the combination, with a plurality of groups of rods, each group including two or more rods of interlocking means for the rods of each group comprising apertured plates through which the rods extend and which are movable by certain of the rods to preclude movement of certain other rods, said means including one plate for groups of only two rods and two such plates for groups of three or more rods.

2,085,685

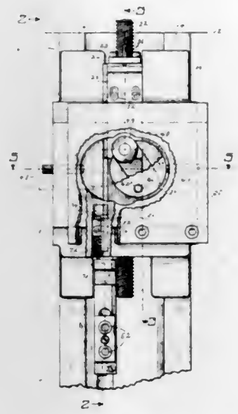
CROSS-FEEDING TOOL SLIDE

Frank H. Mussler, Stratford, Conn., assignor to The Bullard Company, a corporation of Connecticut

Application November 27, 1935, Serial No. 51,726

11 Claims. (Cl. 82—21)

1. In combination with a machine tool having a base, a saddle mounted for movement on said base, a tool slide mounted for movement on said saddle, a rotatable feed screw, means movable by said feed screw for imparting movement to said saddle, a releasable connection be-



tween said means and saddle and cooperating cam elements on said means and tool slide for moving said tool slide with reference to said saddle.

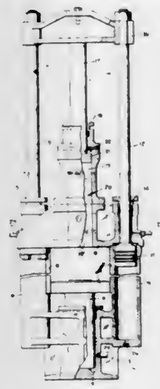
2,085,686

HYDRAULIC PRESS

Alois K. Nowak, Evanston, Ill., assignor to Baldwin-Southwark Corporation, a corporation of Delaware

Application December 29, 1933, Serial No. 704,468

3 Claims. (Cl. 100—71)



3. A hydraulic press comprising, in combination, a base having a plurality of cylinders supported thereby and projecting upwardly therefrom, a stationary platen supported primarily by said cylinders in spaced relation to said base, a movable crosshead located outwardly beyond said cylinders and platen, a press element secured to said movable crosshead and extending downwardly below said stationary platen, reciprocating pistons disposed in said cylinders and having piston rods projecting through the upper ends of said cylinders for connection to said movable crosshead, means associated with the upper ends of said cylinder for guiding said piston rods during reciprocation thereof, and means for supplying operating fluid to the upper ends of said cylinders to move the pistons therein downwardly.

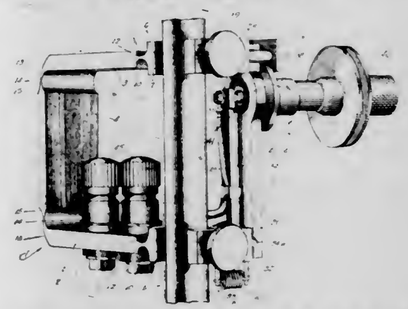
2,085,687

EXTENSOMETER

Orville S. Peters, Chevy Chase, Md., assignor to Baldwin-Southwark Corporation, Philadelphia, Pa.

Application January 11, 1933, Serial No. 651,205

9 Claims. (Cl. 33—147)



1. An extensometer comprising a substantially U-shaped frame, one end of said frame having opposed gauge points for attaching the frame to a specimen, means for operatively connecting the other end of the frame to the specimen, and means for indicating elongations of the specimen including a member pivotally engageable with said frame to transmit therefrom elongations of the specimen, said pivot having its axis substantially midway between said opposed points and extending radially of the axis of the specimen.

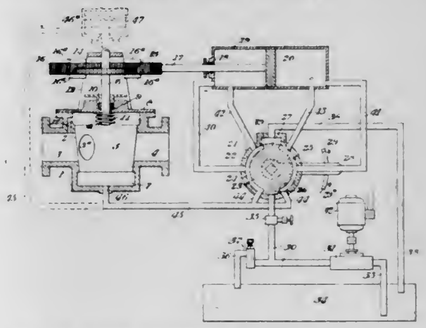
2,085,688

VALVE

Walter R. Schuchman, Ben Avon, and Frank W. Ofeldt, McKeesport, Pa., assignors to Homestead Valve Manufacturing Company, Coraopolis, Pa., a corporation of Pennsylvania

Application November 30, 1935, Serial No. 52,364

5 Claims. (Cl. 137—139)



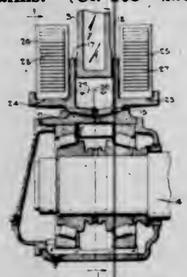
1. In a valve structure the combination of a valve member constantly maintained in pressure contact with its seat, fluid pressure means for partially reducing the contact pressure between the valve member and its seat, to permit the movement of the valve member, fluid pressure means for moving the member, unitary control means for both of said above mentioned means, and means for urging the member into initial contact pressure with its seat when said control means is inoperative.

2,085,689

DRIVING BOX SADDLE AND SPRING ARRANGEMENT FOR LOCOMOTIVES

Allen Wallace, Moorestown, N. J., and Jesse F. Holloway, Aldan, Pa.

Application August 25, 1934, Serial No. 741,358
8 Claims. (Cl. 105—223)



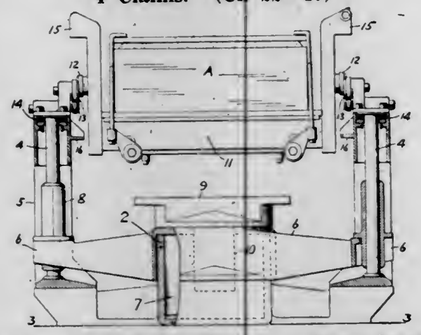
1. A railway vehicle comprising, in combination, a frame having a pedestal opening, a journal box disposed therein and having a top portion provided with a curved surface for a seat, a saddle having a mating curved surface supported on said seat, and twin springs supported on said saddle along each side of said frame, whereby tilting of the journal box is prevented from being transmitted to said springs, said saddle having an oil well from which said curved surfaces are lubricated.

2,085,690

MOLDING MACHINE

Frank R. Wallace, Philadelphia, Pa., assignor to Tabor Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 19, 1934, Serial No. 753,655
Renewed February 23, 1937
4 Claims. (Cl. 22—47)



4. In a molding machine, a pattern drawing table, a frame provided with a comparatively short cylinder and with columns, posts held at their top and bottom ends by the frame and columns, and an interconnected short drawing piston and cross-head having sleeves slidable on the intermediate portions of the posts, said piston and sleeves providing a comparatively long guiding surface for the table.

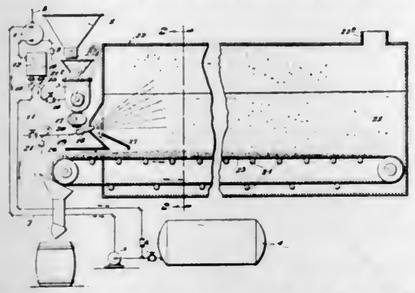
2,085,691

PROCESS OF MAKING A DETERGENT

Alexander C. Brown, Mount Healthy, Ohio, assignor to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio

Application February 11, 1935, Serial No. 6,006
7 Claims. (Cl. 87—16)

1. The method of making an alkali soap, said method comprising admixing sodium carbonate and liquefied fatty acids in the absence of any substantial quantity of moisture, then atomizing said admixture by means of steam, the quantity of steam utilized being related to the quantity of sodium carbonate and fatty acids in admixture so



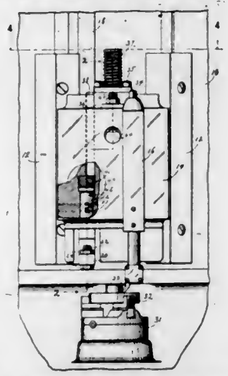
that the fatty acids are saponified by the sodium carbonate while in the atomized condition and the particles so formed are hard and not tacky, the quantity of steam being lesser in amount than the amount required to dissolve the sodium carbonate.

2,085,692

TOOL SLIDE AND DWELL MECHANISM

Edward P. Bullard, III, Fairfield, Conn., assignor to The Bullard Company, a corporation of Connecticut.

Application January 18, 1936, Serial No. 59,731
17 Claims. (Cl. 82—21)



1. In a tool mechanism for machine tools, a saddle, an operating element therefor, cooperating cam surfaces on said element and said saddle, means for retaining said surfaces against camming action to latch the saddle and element for movement together and means for releasing said surfaces for camming action to permit the element to move with respect to the saddle.

2,085,693

PREPARATION OF MINERAL WHITE OILS AND PRODUCTS PREPARED THEREFROM

Philip J. Byrne, Jr., Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 20, 1933,
Serial No. 667,055
3 Claims. (Cl. 167—91)

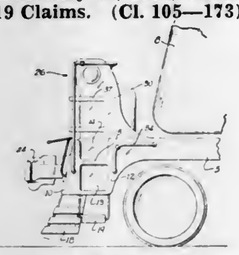
3. Medicinal preparation comprising a stable high viscosity mineral white oil comprising a low viscosity medicinal mineral white oil and a viscosity increasing amount of a stable isobutylene polymer, said polymer having a molecular weight of at least 2,000.

2,085,694

ELECTRIC LOCOMOTIVE

George Cordingley, Lansdowne, Pa.

Application February 24, 1934, Serial No. 712,690
19 Claims. (Cl. 105—173)



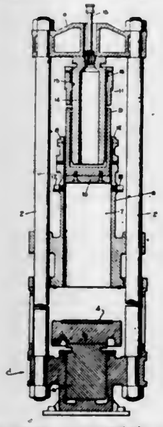
1. An electric locomotive comprising, in combination, a cab, a main frame for supporting said cab and projecting beyond the front end thereof, a pilot knee carried by the forward end of said frame and projecting downwardly therefrom, and an overhead bumper also carried by the forward end of said frame and having end walls extending inwardly from the front end of the bumper structure for transmitting forces therefrom directly to the main frame, said bumper projecting upwardly in front of said cab and in substantially vertical alignment with said pilot knee whereby compensating bumper action is obtainable above and below the horizontal plane of the main frame.

2,085,695

HYDRAULIC PRESS

Richard W. Dinzl, Narberth, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware

Application December 23, 1933, Serial No. 703,863
2 Claims. (Cl. 62—121)



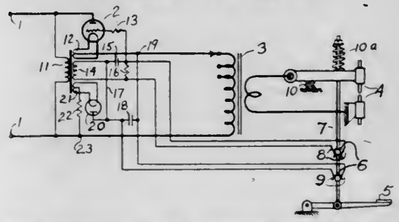
2. A dry ice press comprising, in combination, a cylindrical material chamber having one end open, a ram actuated platen adapted to close and seal said open end, a hollow ram reciprocable in said material cylinder through the other end thereof, one end of said hollow ram being closed to provide a material engaging surface, a piston disposed within said hollow ram, said ram and material cylinder having clearance to permit flow of liquid or gas therebetween, and means providing an inlet to said material cylinder at a point where said hollow ram will overrun the inlet port, whereby liquid or gas pressure admitted into said inlet will flow through said clearance to said chamber and move said ram to a reloading position.

2,085,696

ELECTRIC WELD TIMER AND METHOD

Donald V. Edwards, Montclair, N. J., assignor to Electrons, Inc. of Delaware, a corporation of Delaware

Application November 22, 1933, Serial No. 699,118
13 Claims. (Cl. 250—27)



1. An electric timer comprising a grid controlled rectifier having an anode, a cathode and a starting control grid, said rectifier being adapted to be energized from an alternating current source and to deliver current impulses to a load, means for applying a voltage to said grid normally preventing starting of the rectifier, means for applying another voltage to said grid to make it positive only in the early part of the positive half-cycles of anode potential, and means for storing a part of the energy passed by said rectifier and thereby maintaining the grid negative on succeeding cycles.

2,085,697

METHOD FOR TREATING ALUMINUM AND ALUMINUM ALLOYS

John G. G. Frost and Walter Bonsack, Cleveland, Ohio, assignors to The National Smelting Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application August 5, 1933, Serial No. 683,900. Renewed June 9, 1936
6 Claims. (Cl. 75—68)

1. The method of improving the characteristics of aluminum or aluminum alloys which comprises maintaining the aluminum or aluminum alloy in a pasty state and treating the metal with a normally liquid or solid boron compound containing boron and fluorine, which has a melting point below the melting point of aluminum or the aluminum alloy being treated, and permitting the gas which is formed to pass slowly through the soft or pasty metal into intimate contact with the aluminum or aluminum alloy being treated.

2,085,698

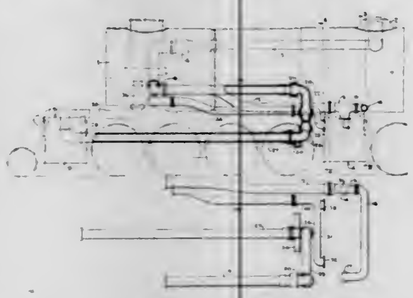
STEAM EXHAUST PIPE ARRANGEMENT FOR ARTICULATED LOCOMOTIVES

Lawrence W. Hance, Philadelphia, Pa.

Application September 11, 1935, Serial No. 40,129
5 Claims. (Cl. 105—47)

2. The combination, in a simple "Mallet" articulated type locomotive having forward and rear pairs of cylinders and a boiler, comprising a pipe connected to one side of said boiler at the forward end thereof and extending longitudinally to the rear along the side of said boiler,

a substantially centrally located pipe extending rearwardly from the forward pair of cylinders, means for supporting the forward portion of said central pipe in fixed relation to said forward



pair of cylinders, and flexibly jointed pipes extending transversely in front of said rear cylinders and directly connected to the rear ends of said central pipe and said longitudinal pipe.

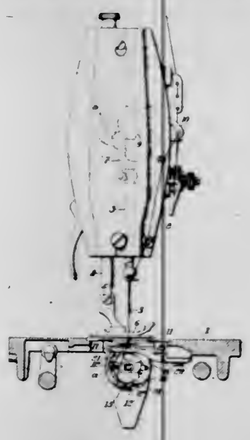
2,085,699

LOOP-TAKER AND BOBBIN-CASE DEVICE FOR SEWING MACHINES

Charles A. Kessler, Plainfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application October 19, 1935, Serial No. 45,717

10 Claims. (Cl. 112—181)



1. The combination with a reciprocatory needle, of a rotary hook having a loop-seizing beak, a loop-controlling tail and a circular raceway, a bobbin-case having a peripheral bearing-rib journaled in said raceway and a rotation-restraining shoulder, a rotation-restraining element engaged by said shoulder, and means to remove all slack from and exert a strain on the cast-needle loop on said tail prior to escape of said loop from interlocking relation with said rotary hook and bobbin-case to cause said loop to exert a tangential pull on the bobbin-case in a direction contrary to the direction of rotation of said hook and open a needle-loop escape-gap between the rotation-restraining shoulder and the rotation-restraining element without subjecting the thread to a pinching action therebetween.

2,085,700

SUCTION CLEANER

William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application September 25, 1933, Serial No. 690,801

16 Claims. (Cl. 15—13)



1. In a rotary agitator for a suction cleaner, a rotatable body, a beater element pivotally mounted within said body about an axis located forward of itself in the direction of rotation, said element being extended through said body to a point radially therebeyond, resilient means urging said element radially outward, said element being adapted to move inwardly under a force exerted by a surface covering undergoing cleaning.

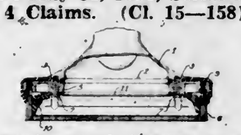
2,085,701

SUCTION CLEANER

William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application May 31, 1934, Serial No. 728,230

4 Claims. (Cl. 15—158)



4. In a dusting tool nozzle, a nozzle proper having a mouth and a downwardly extending internally threaded lug, a bristle-carrying back having an opening conforming to the shape of said mouth and an open-bottomed seat to receive said lug, brush bristles in said back enclosing said mouth, a resilient guard overlying said back extending between said back and said nozzle proper and downwardly along the outside of said bristles, and a bristle support of resilient material contacting the innerside of said bristles and including a metallic attachment plate lying along the underside of said back, and a headed screw extending thru said attachment plate and into said threaded lug to clamp said parts together.

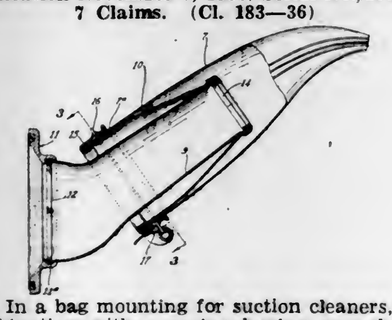
2,085,702

SUCTION CLEANER

William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application November 7, 1936, Serial No. 109,694

7 Claims. (Cl. 183—36)



1. In a bag mounting for suction cleaners, the combination with a casing having an exhaust outlet and a dirt bag adapted to be attached at said outlet, of an intermediate connector comprising a flexible sleeve connected at one end with said outlet and forming an extension thereof, and another sleeve of relatively stiff material fixed to the outer end of said flexible sleeve and embracing a portion thereof in telescopic relation, the free end of said last mentioned sleeve being of increased diameter and adapted to have detachable connection with the mouth portion of said bag.

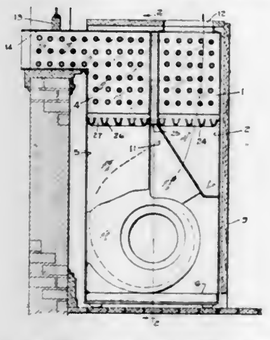
2,085,703

AIR CONDITIONING APPARATUS

Arthur S. Locke, Philadelphia, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware

Application December 29, 1933, Serial No. 704,422

18 Claims. (Cl. 62—129)



1. An air conditioning unit comprising, in combination, an evaporator, means for circulating room air thereover, an atmospheric duct projecting rearwardly from said unit and adapted to communicate with the outside through a window or other suitable wall opening, a condenser disposed directly within said duct and forming a self-contained part of said unit, and means for circulating outside air inwardly of said duct and over the condenser therein.

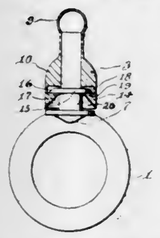
2,085,704

COMBINATION TEETHING RING AND PACIFIER

Harry M. Sacks, Philadelphia, Pa.

Application November 18, 1935, Serial No. 50,431

4 Claims. (Cl. 128—360)



1. In a device of the class described, a ring-like member, a cylindrical knob at the top of said member, a flange at the top of said knob, the periphery of said flange being tapered, a pacifier having an enlarged interior portion and a deepened recess portion, the wall of said enlarged interior portion being tapered, said flange fitting in said deepened recess portion.

2,085,705

ABRASIVE WHEEL AND METHOD OF MANUFACTURE

Baalis Sanford and Duane E. Webster, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

No Drawing. Application November 5, 1935, Serial No. 48,445

5 Claims. (Cl. 51—278)

1. Method of making rubber bonded abrasive bodies which comprises forming rubber into a sheet, dieing out the sheet into desired shapes, introducing the shapes into a mold with a vulcanizing agent, after the rubber is in sheet form spreading abrasive grain thereon, the abrasive grain being distributed throughout the mold and in contact with each shape, pressing and vulcanizing.

2,085,706

DERIVATIVES OF CARBOXYLIC ACID AMIDES

Conrad Schoeller and Max Wittwer, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany

No Drawing. Application August 18, 1934, Serial No. 740,534. In Germany November 29, 1930

7 Claims. (Cl. 260—124)

1. The process of producing assistants for the textile and related industries which comprises condensing an organic carboxylic acid amide containing at least 6 carbon atoms and at least 1 hydrogen atom attached to an amido nitrogen atom with a polyglycol compound containing from 6 to 50 ethenoxy groups.

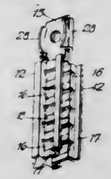
2,085,707

SWITCH CONTACT

William J. Shore, New York, N. Y.

Application March 28, 1935, Serial No. 13,421

7 Claims. (Cl. 173—332)



6. A contact having a space into which a contact blade may be inserted, a pair of spaced plates stamped from a single sheet bent to space said plates on opposite sides of said blade receiving space, said plates having contact wings sprung from the opposed surfaces to a position to contact with said inserted blade, said wings being integral with said plates at one of the edges of the respective wings and being convex to the inserted blade and spaced at successive intervals along the direction of inertion of said blade.

2,085,708

ALTERNATING CURRENT SHUNT MOTOR

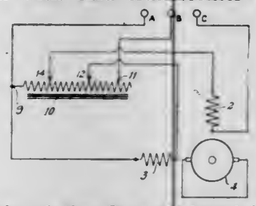
Millard Cole Spencer, East Orange, N. J., assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J., a corporation of New Jersey

Application May 23, 1936, Serial No. 81,381

3 Claims. (Cl. 172—277)

3. An alternating current shunt motor comprising, a stator, a rotor, a field winding and a winding for producing a transformer flux, both of said windings being carried by said stator and positioned 90 electrical degrees from each other,

a commutator associated with said rotor winding, brushes associated with said commutator, means for short-circuiting said brushes whereby said rotor winding is short-circuited through said commutator and brushes, a source of three phase current for energizing said windings, a transformer connected across one of the phases of said source, said field winding being connected to another phase of said source through an adjustable connection with said transformer whereby the



phase angle of the flux produced by said field winding may be brought into exact time phase with the working current produced in said rotor winding by said transformer flux producing means to produce maximum torque efficiency for said motor, and said transformer flux producing winding being likewise adjustably connected to said transformer whereby the electromotive force applied to said rotor winding may be varied to vary the speed of said motor.

2,085,709
COMPOSITION FOR COMBATING FOAM

Werner Steibelt, deceased, late of Ludwigshafen-on-the-Rhine, Germany, by Elisabetha Steibelt, administratrix, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany, a corporation of Germany

No Drawing. Application July 5, 1932, Serial No. 620,973. In Germany July 25, 1931

6 Claims. (Cl. 252—1)

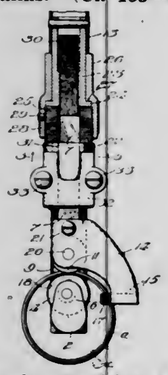
1. A composition for reducing or preventing foam comprising a liquid mixture of a solid aliphatic alcohol containing more than 12 carbon atoms per molecule and a liquid aliphatic alcohol containing at least 8 carbon atoms per molecule.

2,085,710
PIPE BEADING TOOL

Nils A. Tornblom and Eric Bylund, Chicago, Ill., assignors to Appleton Electric Company, a corporation of Illinois

Application August 26, 1935, Serial No. 37,883

11 Claims. (Cl. 153—9)



9. A beading tool comprising a head having thereon cooperating bead-forming rollers adapted to grip the wall of a tube inserted between them with its axis extending in the general direction of the axes of rotation of the rollers, the parts being arranged to grip the tube as aforesaid at a point that lies on a straight line radial of the tube and intersecting the axes of the rollers, a handle on the head by which the tool may be bodily swung around while the latter is held stationary, means to prevent rocking of the tool relative to the tube when the tool is swung about the tube in one direction and means to force said rollers together to deform the said wall.

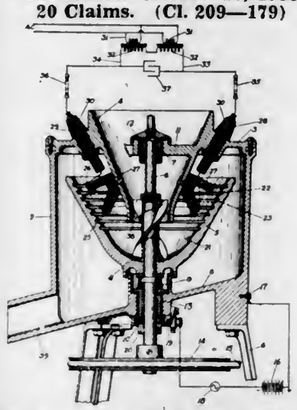
2,085,711
PROCESS OF AND APPARATUS FOR THE RECOVERY OF NOBLE METALS FROM ORE PULP

William Alfred Biesmann, Chicago, Ill., assignor, by mesne assignments, to Carl W. Johnson

Application January 20, 1934, Serial No. 707,523

In Canada October 25, 1933

20 Claims. (Cl. 209—179)



20. The herein described steps in a process for the recovery of gold and other metals in dispersed phase in a fluid ore pulp which consists, in causing the dispersed metal to move toward a mercury cathode by the action of a uniform unidirectional electrical field, and in simultaneously applying electrical forces produced by an alternating electrical field along the surface of the mercury to facilitate amalgamation of the noble metal therewith.

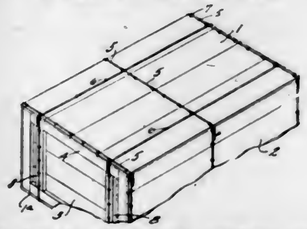
2,085,712
WIREBOUND BOX WITH END CLEATS

Gus L. Colbie, Brooklyn, N. Y., assignor to F. MacGovern Corporation, New York, N. Y., a corporation of New York

Application December 22, 1932, Serial No. 648,333

Renewed October 12, 1936

5 Claims. (Cl. 217—12)



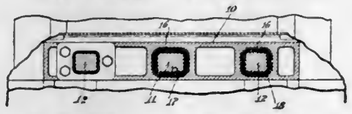
1. The herein described method of making wirebound boxes which comprises the following steps: forming a box blank by stapling a series of top, bottom and side panels to binding wires extending on one set of panel faces transversely along the ends thereof, the staples also entering a plurality of cleats of uniform width extending along said panel ends on the other faces thereof; then forming a second blank by stapling pairs of cleats having a thickness substantially equal to the width of the first mentioned ones to other wires and to spaced-apart end panels so that each cleat will lie between a wire and panel; next wrapping the first blank about the panel of the second blank while the latter are held in positions adapted to form the ends of the completed box and to lie inside of and against the cleats on the first blank, and finally twisting together the adjacent, oppositely extending ends of each wire.

2,085,713
RAILWAY CAR CONSTRUCTION

Thomas F. Dwyer, Jr., Cambridge, Mass., and John Carl Hassett, West Haven, Conn., assignors to Fabreeka Products Company, Inc., Boston, Mass., a corporation of Massachusetts

Application February 17, 1936, Serial No. 64,310

10 Claims. (Cl. 213—222)



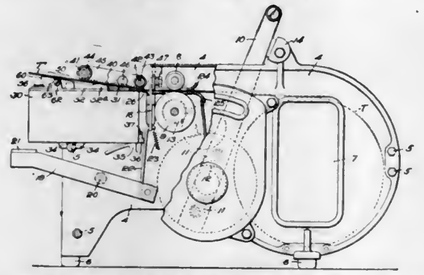
10. In a railway car, a buffer stem guide unit comprising an outer metal member, an inner metal member, said inner and outer metal members being spaced apart throughout their entire extent, non-metallic shock absorbing material between said inner and outer metal members, and metallic means engaging an end portion of said outer metal member and spaced from contact with said inner metal member for holding said unit in place against longitudinal movement whereby any metal to metal contact between said outer metal member and the inner metal member is avoided.

2,085,714
STRIP SERVING APPARATUS

Trevor R. Gautier, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts

Application January 20, 1936, Serial No. 59,861

6 Claims. (Cl. 91—38)



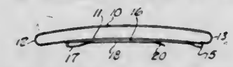
1. In a gummed tape serving machine, in combination, a frame, a support thereon for a tape supply, feeding means to advance the tape from the supply, a tank for liquid, a tape-moistening element projecting from a rear portion of the tank and receiving moisture therefrom for wetting the gummed face of the advancing tape, a second moistening element forwardly of said tape moistening element and likewise receiving moisture from said tank, and a movable member adapted at times to shield said second element from the advancing tape and then aiding to guide the latter to the delivery point, said member being readily movable so as at other times to permit and assist the operator to pass portions of the tape or a separate label or the like across said second element in moistening relation to it.

2,085,715
NECKTIE HOLDER

Stephen F. Kayn, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware

Application July 1, 1935, Serial No. 29,250

2 Claims. (Cl. 24—49)



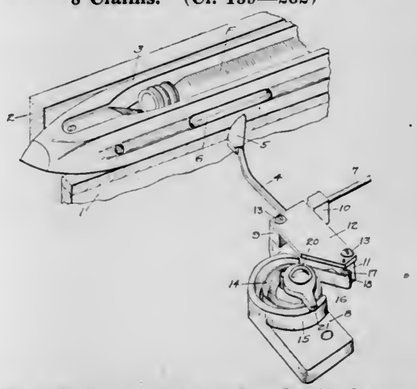
1. A necktie holder comprising a single strip of spring metal bent to form a front arm for holding the ends of a necktie, an intermediate arm extending parallel thereto, a second intermediate arm of shorter length than the first mentioned intermediate arm and lying against the latter, and a rear arm for engaging the edge of a garment, said rear arm being shorter than the front arm and being substantially centrally located in respect thereto.

2,085,716
FILLING FEELER MECHANISM

John Killars, Jr., Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application November 23, 1936, Serial No. 112,227

8 Claims. (Cl. 139—282)



1. In a feeler mechanism for shuttle looms, a feeler stand, a rigid feeler blade mounted directly on said stand for sliding movements forwardly and rearwardly and for side slipping movement to indicate substantial exhaustion of the filling supply in the shuttle, said stand having stop means determining the normal erect position of said feeler blade, a spirally wound spring positioned at one side of said feeler blade entirely in the plane of movement of the latter, the outer end of said spring being fixed to said feeler blade, and means for fixing the inner end of said spring to said stand with the spring under lateral bending stress in a direction to yieldingly resist both said forward sliding movement and said side slipping movement of said feeler blade.

2,085,717
SHUTTLECOCK

Charles John William Lashley, Edward Emanuel Natali and William Arthur Woolf, London, England

Application July 15, 1935, Serial No. 31,512

In Great Britain July 25, 1934

1 Claim. (Cl. 273—106)

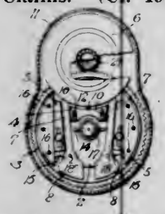
A miniature or short flight shuttlecock comprising a solid base of hardened plastic wood, a

perforated positioning disc embedded in and adhering to the upper part of said base, and



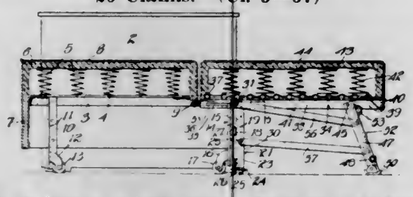
feathers having their stems passing through said disc and embedded in said solid hardened plastic wood.

2,085,718
STEERING WHEEL CONTROL FOR MOTOR VEHICLES
John Love, West Orange, N. J.
Application July 7, 1933, Serial No. 679,276
9 Claims. (Cl. 192—8)



1. In an apparatus of the class described, a hand steering wheel turnably mounted on a steering shaft, an adjustable driving anvil fastened to the underneath side of the said hand steering wheel, an assembly plate fastened concentrically to the said steering shaft, a fixed master gear with teeth on the outer rim thereof, said fixed master gear being rigidly fastened to a fixed steering column, said steering column forming a housing for the said steering shaft.

2,085,719
COUCH BED
Joseph Martin, Laurelton, N. Y., assignor to United States Cabinet Bed Co., Brooklyn, N. Y., a corporation of New York
Application December 14, 1936, Serial No. 115,721
26 Claims. (Cl. 5—37)



1. A frame, a bed section fixed to said frame, a second bed section, means slidably and movably connecting said second bed section to said frame, said means including a pin secured to said frame and spaced from said first bed section and a slot adjacent the end of said second bed section and links including a movable fulcrum operatively connecting said fixed bed section to said second bed section when actuated alternately to cause said second bed section to be slidably moved from couch back position into bed position and back again, both positions being adjacent to said first bed section.

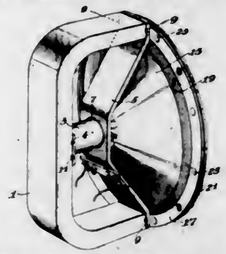
2. In an article of furniture, a seat unit having the length of an adult individual for enabling support in a reclining position of sleep, of a back unit coextensive with said seat unit for detachable association therewith to serve as a complement thereof in supporting the back of an individual seated on said seat unit, standards for elevating said seat and back units from the floor for an equal distance when both are used as beds, and inter-engaging means on adjacent standards of said seat and back units for detachably connecting said back and seat units for use as a sofa couch or as separable twin beds, said back unit being movably connected to its standards that are disposed adjacent said seat unit for angular displacement relative thereto to define a couch assembly therewith.

2,085,720
HYDRAULIC JACK
Leonard D. Nilson, Wayzata, Minn., assignor to Vulcan Manufacturing Co., Inc., St. Paul, Minn., a corporation of Minnesota
Application August 20, 1935, Serial No. 37,008
15 Claims. (Cl. 254—2)



1. In a hydraulic jack structure, a wheeled frame, a lifting arm pivoted thereto, a cylinder pivoted thereto, a lifting piston in said cylinder, a piston rod connected with said lifting piston and operatively associated with said lifting arm to raise the same when oil is pumped to said cylinder, a pump structure pivoted to and extending from said frame, a flexible hose connection between said pump structure and said cylinder, said pump structure including a piston rod movable toward and away from the pivotal connection of said pump to said frame and a link having one end connected with said piston rod and its other end pivoted to said frame at a point spaced from the pivotal connection of said pump structure thereto.

2,085,721
SOUND TRANSLATING DEVICE
Herbert R. Warnke, Camden, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 29, 1932, Serial No. 640,171
10 Claims. (Cl. 179—115.5)

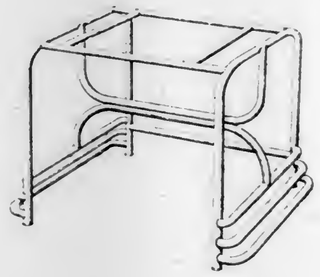


2. In a permanent magnet loud speaker of the electrodynamic type, the combination of a wide permanent magnet of rectangular cross section, a cylindrical pole piece secured to one side of and extending at a right angle to the intermediate portion of said magnet, and a flux plate disposed between said pole piece and the magnet, said flux plate extending at both sides of the pole piece to the edges of said magnet to provide a low reluctance magnetic flux path between the magnet and said pole piece.

DESIGNS

JUNE 29, 1937

105,080
DESIGN FOR A STAND FOR BUSINESS MACHINES
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application November 2, 1936, Serial No. 65,643
Term of patent 14 years



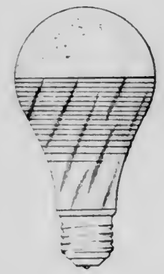
The ornamental design for a stand for business machines, as shown.

105,081
DESIGN FOR A LAMP BULB
Clarence Birdseye, Gloucester, Mass., assignor, by mesne assignments, to Birdseye Electric Corporation, Dover, Del., a corporation of Delaware
Application June 30, 1936, Serial No. 63,582
Term of patent 14 years



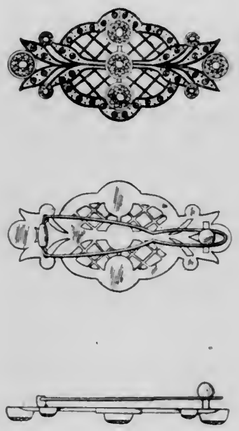
The ornamental design for a lamp bulb substantially as shown and described.

105,082
DESIGN FOR A LAMP BULB
Clarence Birdseye, Gloucester, Mass., assignor to Birdseye Electric Corporation, Dover, Del., a corporation of Delaware
Application February 12, 1937, Serial No. 67,625
Term of patent 14 years



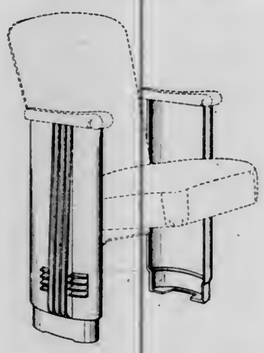
The ornamental design for a lamp bulb substantially as shown and described.

105,083
DESIGN FOR A HAIR BARRETTE OR SIMILAR ARTICLE
Alfred Bleich, New York, N. Y.
Application May 28, 1937, Serial No. 69,592
Term of patent 3½ years



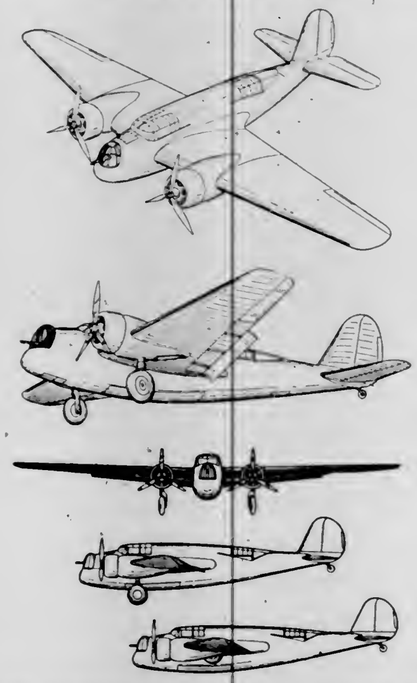
The ornamental design for a hair barrette or similar article, substantially as shown, and described.

105,084
DESIGN FOR A CHAIR
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application May 10, 1937, Serial No. 69,281
Term of patent 7 years



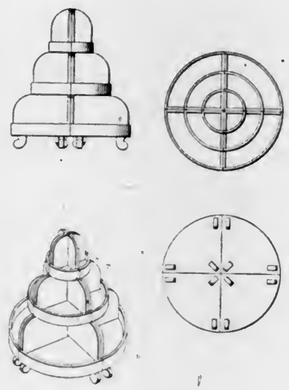
The ornamental design for a chair as shown and described.

105,085
DESIGN FOR AN AIRPLANE
Berthoud C. Boulton, Towson, and William W. Symington, Jr., Baltimore, Md., assignors to The Glenn L. Martin Company, Baltimore, Md.
Application October 9, 1935, Serial No. 58,919
Term of patent 14 years



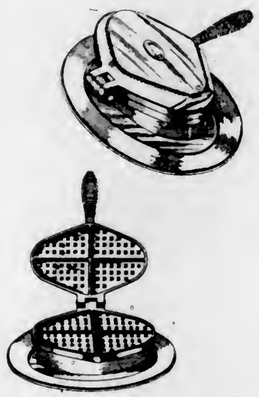
The ornamental design for an airplane substantially as shown and described.

105,086
DESIGN FOR A SECTIONAL DISPLAY STAND
Robert Bradshaw, Phoebus, Va.
Application April 21, 1937, Serial No. 68,917
Term of patent 7 years



The ornamental design for a sectional display stand as shown.

105,087
DESIGN FOR A WAFFLE IRON
Walter A. Briegel, Pittsburgh, Pa.
Application November 9, 1936, Serial No. 65,813
Term of patent 14 years



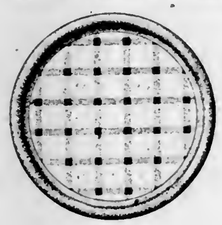
The ornamental design for a waffle iron, as shown.

105,088
DESIGN FOR AN ACCORDION
Emilio Catena, New York, N. Y.
Application May 8, 1937, Serial No. 69,231
Term of patent 7 years



The ornamental design for an accordion, substantially as shown.

105,089
DESIGN FOR A TRAY
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application November 16, 1936, Serial No. 65,930
Term of patent 7 years



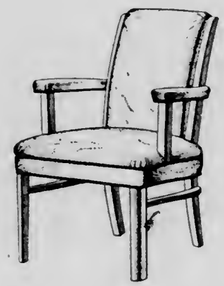
The ornamental design for a tray substantially as shown.

105,090
DESIGN FOR A COOKY BOX
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application November 16, 1936, Serial No. 65,932
Term of patent 7 years



The ornamental design for a cooky box substantially as shown.

105,091
DESIGN FOR AN OFFICE CHAIR
Kenneth F. Davis and John J. Josephs, Buffalo, N. Y.
Application April 16, 1937, Serial No. 68,820
Term of patent 3½ years



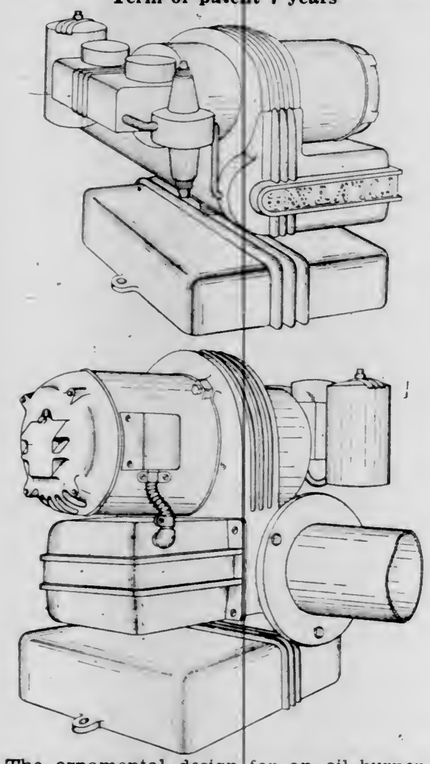
The ornamental design for an office chair, as shown.

105,092
DESIGN FOR A RAG DOLL
Eleanor M. Dillon, Naugatuck, Conn.
Application March 31, 1937, Serial No. 68,498
Term of patent 3½ years



The ornamental design for a rag doll as shown.

105,093
DESIGN FOR AN OIL BURNER
Christopher L. Fontana, Cedar Rapids, Iowa, and Arthur C. Haggstrom, Rockford, Ill., assignors to Antocrat Oil Burner Corporation, Cedar Rapids, Iowa, a corporation of Iowa
Application April 26, 1937, Serial No. 68,987
Term of patent 7 years



The ornamental design for an oil burner as shown, and described.

105,094
DESIGN FOR TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application September 21, 1935, Serial No. 58,658
Term of patent 14 years



The ornamental design for textile fabric as shown and described.

105,095
DESIGN FOR A TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application October 14, 1935, Serial No. 58,980
Term of patent 14 years



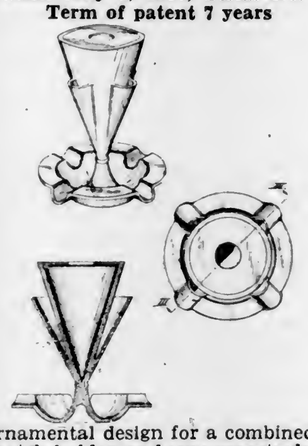
The ornamental design for a textile fabric as shown and described.

105,096
DESIGN FOR A COMB OR THE LIKE
Albert Girouard, Leominster, Mass., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts
Application May 18, 1937, Serial No. 69,404
Term of patent 3½ years



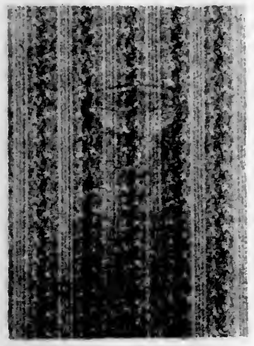
The ornamental design for a comb or the like, substantially as shown and described.

105,097
DESIGN FOR A COMBINED ASH RECEIVER, MATCH HOLDER, AND GUM RECEPTACLE OR SIMILAR ARTICLE
John H. Gray, Coshocton, Ohio
Application May 1, 1937, Serial No. 69,117
Term of patent 7 years



The ornamental design for a combined ash receiver, match holder, and gum receptacle or similar article, as shown.

105,098
DESIGN FOR KNITTED FABRIC
Alexander Grodnick, Weehawken, N. J.
Application April 14, 1937, Serial No. 68,762
Term of patent 3½ years



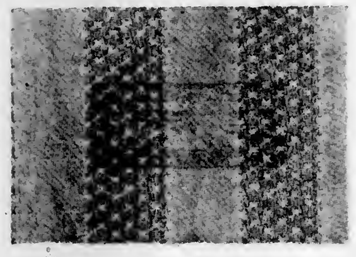
The ornamental design for knitted fabric substantially as shown.

105,099
DESIGN FOR KNITTED FABRIC
Alexander Grodnick, Weehawken, N. J.
Application April 14, 1937, Serial No. 68,763
Term of patent 3½ years



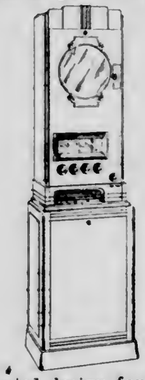
The ornamental design for knitted fabric substantially as shown.

105,100
DESIGN FOR KNITTED FABRIC
Alexander Grodnick, Weehawken, N. J.
Application April 14, 1937, Serial No. 68,764
Term of patent 3½ years



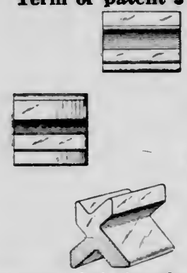
The ornamental design for knitted fabric substantially as shown.

105,101
DESIGN FOR A VENDING MACHINE CABINET
Arthur C. Haggstrom, Rockford, Ill., assignor, by mesne assignments, to A. B. T. Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application April 30, 1937, Serial No. 69,083
Term of patent 3½ years



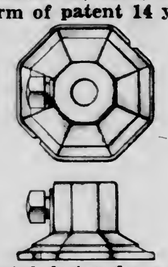
The ornamental design for a vending machine cabinet, as shown and described.

105,102
DESIGN FOR A DISPLAY STAND OR SIMILAR ARTICLE
Mabel Harper, Long Island City, N. Y.
Application March 26, 1937, Serial No. 68,409
Term of patent 3½ years



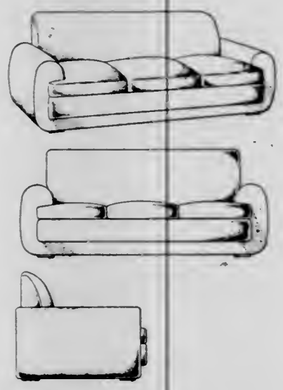
The ornamental design for a display stand or similar article as shown.

105,103
DESIGN FOR A FORM CLAMP
Bror Hillberg, Chicago, Ill., assignor to Universal Form Clamp Co., Chicago, Ill., a corporation of Illinois
Application October 19, 1936, Serial No. 65,357
Term of patent 14 years



The ornamental design for a form clamp substantially as shown.

105,104
DESIGN FOR A SOFA OR SIMILAR ARTICLE
Harold H. Hines and George McKeown, Chicago, Ill., assignors to Pullman Couch Company, Chicago, Ill., a corporation of Illinois
Application May 22, 1937, Serial No. 69,489
Term of patent 3½ years



The ornamental design for a sofa or similar article as shown.

105,105
DESIGN FOR A BOTTLE
Clayton J. Howel, Chicago, Ill.
Application April 19, 1937, Serial No. 68,863
Term of patent 14 years



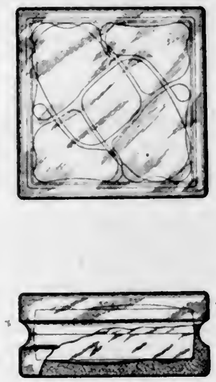
The ornamental design for a bottle, as shown.

105,106
DESIGN FOR A BOTTLE
Clayton J. Howel, Chicago, Ill.
Application April 19, 1937, Serial No. 68,864
Term of patent 14 years



The ornamental design for a bottle, as shown and described.

105,107
DESIGN FOR A GLASS BUILDING BLOCK
Harry S. Hower, Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application March 16, 1937, Serial No. 68,204
Term of patent 14 years



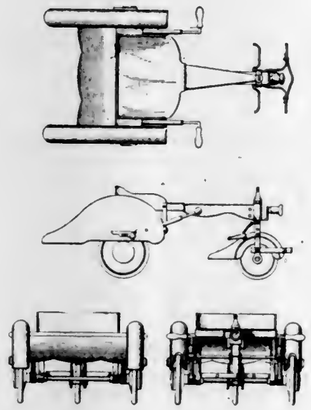
The ornamental design for a glass building block, substantially as shown and described.

105,108
DESIGN FOR LACE
Hage W. Hucknall, Elyria, Ohio, assignor to The American Lace Mfg. Co., Elyria, Ohio, a corporation of Ohio
Application April 28, 1937, Serial No. 69,003
Term of patent 3½ years



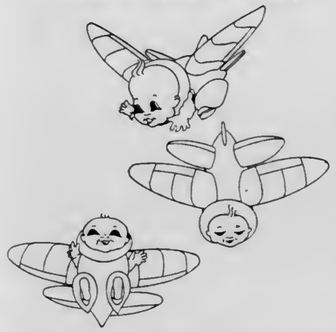
The ornamental design for lace, substantially as shown and described.

105,109
DESIGN FOR A CHILD'S VEHICLE
Samuel E. Judd, Independence, Mo.
Application April 19, 1937, Serial No. 68,867
Term of patent 14 years



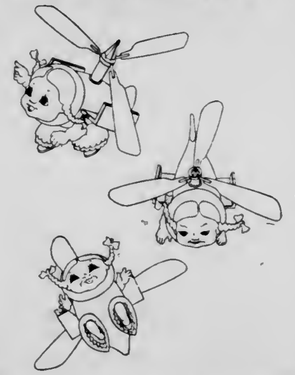
The ornamental design for a child's vehicle, as shown and described.

105,110
DESIGN FOR A TOY
Elvy Kalep, Los Angeles, Calif.
Application November 17, 1936, Serial No. 65,982
Term of patent 14 years



The ornamental design for a toy, as shown.

105,111
DESIGN FOR A TOY
Elvy Kalep, Los Angeles, Calif.
Application November 17, 1936, Serial No. 65,983
Term of patent 14 years



The ornamental design for a toy, as shown.

105,112
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application May 22, 1937, Serial No. 69,479
Term of patent 3½ years





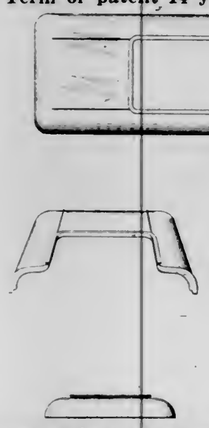
The ornamental design for a brooch pin or similar article, substantially as shown.

105,113
DESIGN FOR A FISH LURE
William G. Knapp, Evanston, Ill.
Application March 6, 1937, Serial No. 68,053
Term of patent 14 years



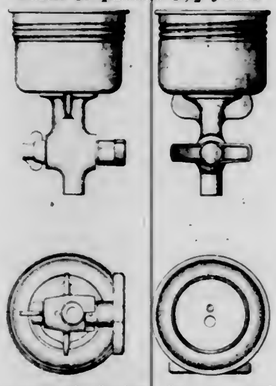
The ornamental design for a fish lure, as shown.

105,114
DESIGN FOR A VEHICLE BODY ROOF
Neil P. Larsen, Cleveland, Ohio, assignor to American Coach and Body Company, Cleveland, Ohio, a corporation of Ohio
Application November 6, 1936, Serial No. 65,745
Term of patent 14 years



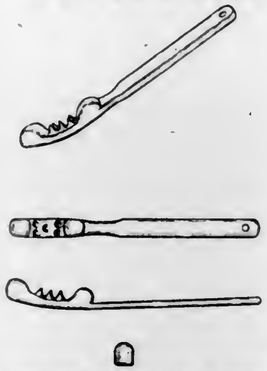
The ornamental design for a vehicle body roof, substantially as shown and described.

105,115
DESIGN FOR A COMBINED COCK AND COVER FOR A VACUUM BOTTLE
William Littlewood, Chicago, Ill., assignor to American Airlines, Inc., Chicago, Ill., a corporation of Delaware
Application May 8, 1937, Serial No. 69,229
Term of patent 3½ years



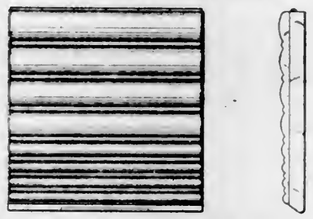
The ornamental design for a combined cock and cover for a vacuum bottle, substantially as shown.

105,116
DESIGN FOR A COMBINED TOOTH AND GUM MASSAGER OR LIKE ARTICLE
Edna Opal Love and Emmett J. Molitor, Portland, Oreg., assignors to Lomo Gum Massager Co., Portland, Oreg., a corporation of Oregon
Application May 20, 1936, Serial No. 62,746
Term of patent 14 years



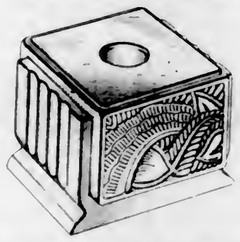
The ornamental design for a combined tooth and gum massager or like article, as shown.

105,117
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Eugene J. Lux, New York, N. Y., assignor to Harriet Hubbard Ayer, Inc., New York, N. Y., a corporation of New York
Application April 29, 1937, Serial No. 69,035
Term of patent 14 years



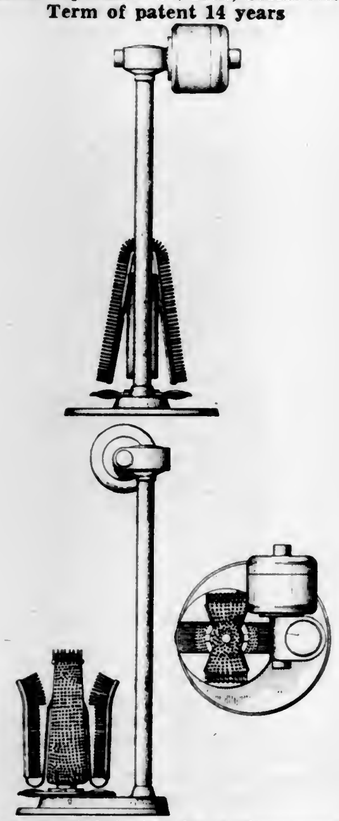
The ornamental design for a vanity case or similar article as shown.

105,118
DESIGN FOR A CANDLE HOLDER
William E. Mackelfresh, Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 1, 1937, Serial No. 69,105
Term of patent 14 years



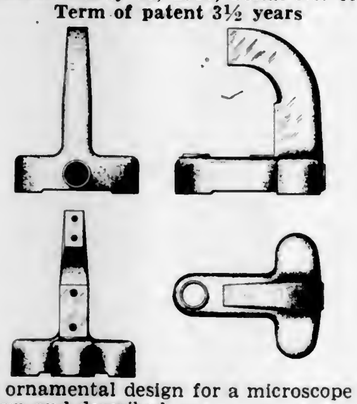
The ornamental design for a candle holder substantially as shown and described.

105,119
DESIGN FOR A GLASSWARE CLEANING APPARATUS
Vasilios S. Mackres, Brockton, Mass.
Application September 29, 1936, Serial No. 65,044
Term of patent 14 years



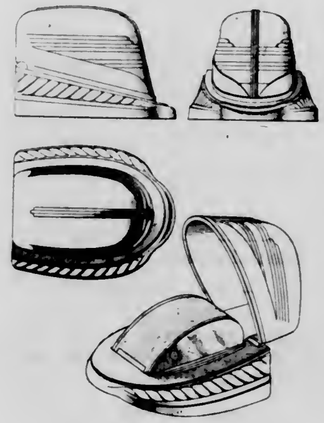
The ornamental design for a glassware cleaning apparatus, substantially as shown.

105,120
DESIGN FOR A MICROSCOPE STAND
Wilhelm Maisch, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application May 19, 1937, Serial No. 69,428
Term of patent 3½ years



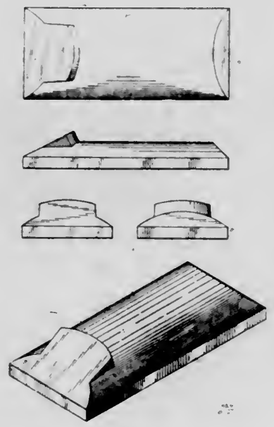
The ornamental design for a microscope stand as shown and described.

105,121
DESIGN FOR A JEWELRY DISPLAY CONTAINER OR SIMILAR ARTICLE
Samuel Mautner, New York, N. Y., assignor to Wolfsheim & Sachs, Inc., Buffalo, N. Y., a corporation of New York
Application May 7, 1937, Serial No. 69,222
Term of patent 7 years



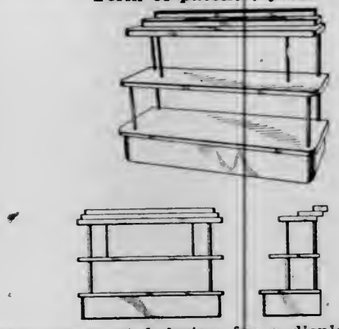
The ornamental design for a jewelry display container or similar article as shown and described.

105,122
DESIGN FOR A MEMORIAL PLATE
Earl J. Mickelsen, Fremont, Nebr., assignor to Rudolph H. Ray, Fremont, Nebr., doing business as Ray Individual Mausoleum Company
Application April 29, 1937, Serial No. 69,049
Term of patent 14 years



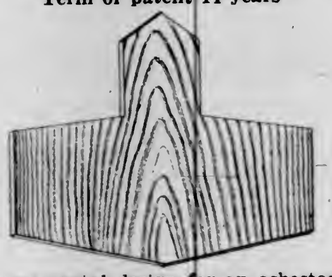
The ornamental design for a memorial plate, as shown.

105,123
DESIGN FOR A DISPLAY RACK
Kendall A. Mills, Saginaw, Mich., assignor to Rainbo Bread Company of Saginaw, Saginaw, Mich., a corporation of Michigan
Application April 3, 1937, Serial No. 68,548
Term of patent 7 years



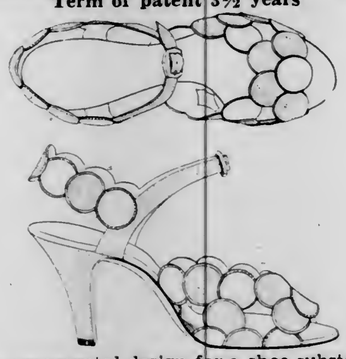
The ornamental design for a display rack, as shown.

105,124
DESIGN FOR ASBESTOS SIDING SHINGLE
William H. Molyneux, Chicago, Ill., assignor to Lehon Company, Chicago, Ill., a corporation of Illinois
Application November 30, 1936, Serial No. 66,205
Term of patent 14 years



The ornamental design for an asbestos siding shingle as shown and described.

105,125
DESIGN FOR A SHOE
Charles Morali, Forest Hills, N. Y., assignor to Delman, Inc., New York, N. Y.
Application May 8, 1937, Serial No. 69,228
Term of patent 3½ years



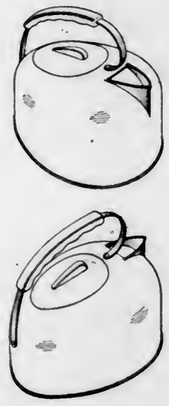
The ornamental design for a shoe substantially as shown.

105,126
DESIGN FOR A WEIGHING SCALE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 29, 1937, Serial No. 69,061
Term of patent 7 years



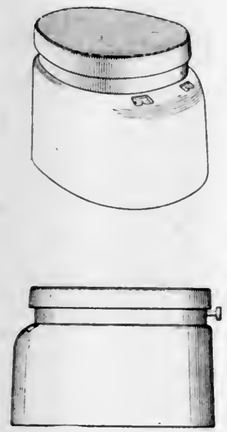
The ornamental design for a weighing scale, as shown.

105,127
DESIGN FOR A KETTLE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 29, 1937, Serial No. 69,062
Term of patent 7 years



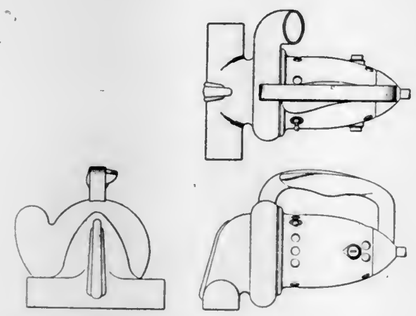
The ornamental design for a kettle, as shown.

105,128
DESIGN FOR A WEIGHING SCALE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 29, 1937, Serial No. 69,063
Term of patent 7 years



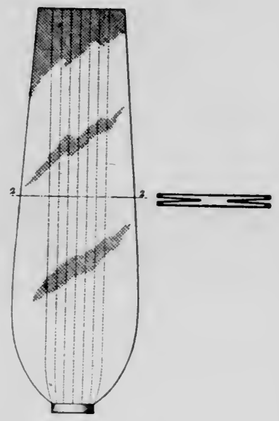
The ornamental design for a weighing scale, as shown.

105,129
DESIGN FOR A VACUUM CLEANER
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 29, 1937, Serial No. 69,065
Term of patent 7 years



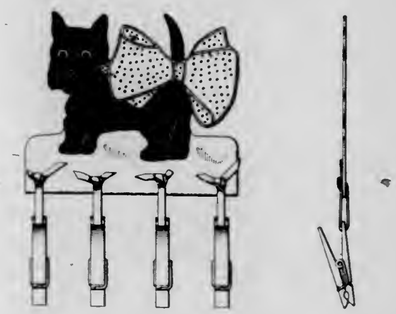
The ornamental design for a vacuum cleaner, as shown.

105,130
DESIGN FOR A DUST BAG FOR VACUUM CLEANERS
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 29, 1937, Serial No. 69,067
Term of patent 7 years



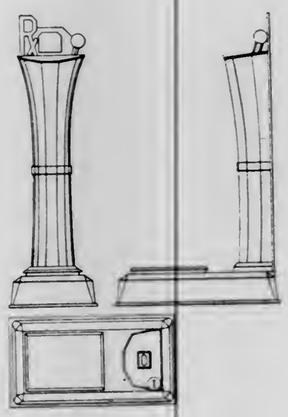
The ornamental design for a dust bag for vacuum cleaners, as shown.

105,131
DESIGN FOR A KITCHEN AND BATHROOM HANGER
George Clifford Neth, Dayton, Ohio
Application April 7, 1937, Serial No. 68,588
Term of patent 14 years



The ornamented design for a kitchen and bathroom hanger, as shown and described.

105,132
DESIGN FOR A CASING FOR A WEIGHING SCALE
Fred A. Nichols, Stratford, Conn.
Application May 5, 1937, Serial No. 69,186
Term of patent 14 years



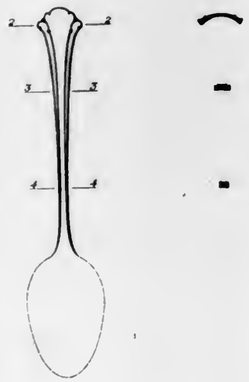
The ornamental design for a casing for a weighing scale, substantially as shown.

105,133
DESIGN FOR A SPOON OR ANALOGOUS ARTICLE
Harold E. Nock, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a corporation of Massachusetts
Application November 5, 1936, Serial No. 65,707
Term of patent 14 years



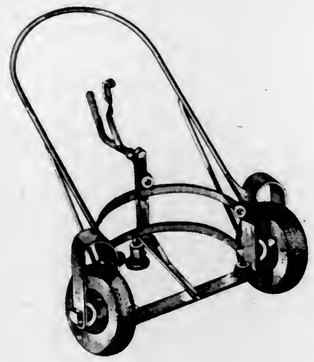
The ornamental design for a spoon or analogous article, substantially as shown and described.

105,134
DESIGN FOR A SPOON OR ANALOGOUS ARTICLE
Harold E. Nock, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a corporation of Massachusetts
Application December 23, 1936, Serial No. 66,708
Term of patent 14 years



The ornamental design for a spoon or analogous artitcle, substantially as shown and described.

105,135
DESIGN FOR A HAND TRUCK
Harry Palage, Woburn, Mass.
Application April 14, 1937, Serial No. 68,747
Term of patent 14 years



The ornamental design for a hand truck, as shown.

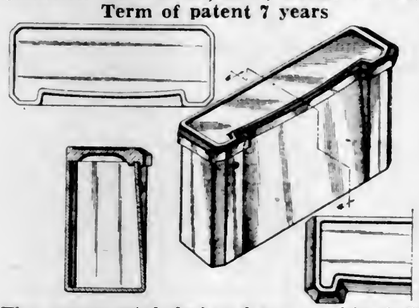
105,136
DESIGN FOR A BROOCH OR THE LIKE
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., a corporation of New York
Application January 2, 1937, Serial No. 66,839
Term of patent 3½ years

The ornamental design for a brooch or the like



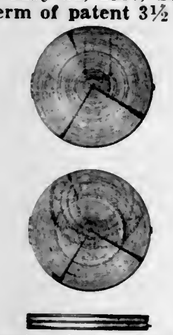
substantially as shown and described.

105,137
DESIGN FOR COMBINED FLUSH TANK FOR TOILETS AND COVER THEREFOR
Bernard B. Pieslak, Abingdon, Ill., assignor to Abingdon Sanitary Mfg. Co., Abingdon, Ill., a corporation of Illinois
Application October 19, 1936, Serial No. 65,362
Term of patent 7 years



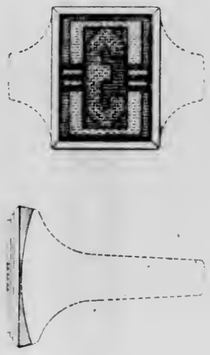
The ornamental design for a combined flush tank for toilets and cover therefor, as shown and described.

105,138
DESIGN FOR A VANITY CASE OR THE LIKE
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application May 21, 1937, Serial No. 69,474
Term of patent 3½ years



The ornamental design for a vanity case or the like as shown.

105,139
DESIGN FOR A FINGER RING OR SIMILAR ARTICLE
Meyer L. Robbins, New York, N. Y.
Application March 11, 1937, Serial No. 68,117
Term of patent 3½ years



The ornamental design for a finger ring or similar article as shown and described.

105,140
DESIGN FOR A FINGER RING
Theodore Roffwarg and Alfred Savastano, New York, N. Y.
Application May 15, 1937, Serial No. 69,369
Term of patent 14 years



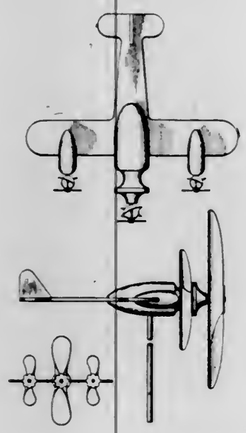
The ornamental design for a finger ring substantially as shown and described.

105,141
DESIGN FOR A BRAID FOR ARTICLES OF PERSONAL WEAR
Morris Sachs, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application December 23, 1936, Serial No. 66,713
Term of patent 7 years



The ornamental design for a braid for articles of personal wear as shown.

105,142
DESIGN FOR AN AIRPLANE WIND WHEEL TOY
Tegran M. Samour, Stoneham, Mass.
Application April 8, 1937, Serial No. 68,626
Term of patent 3½ years



The ornamental design for an airplane wind wheel toy, as shown.

105,143
DESIGN FOR A KNITTED CAP OR SIMILAR ARTICLE
Ike Schlesinger, East Orange, N. J.
Application April 18, 1936, Serial No. 62,198
Term of patent 14 years



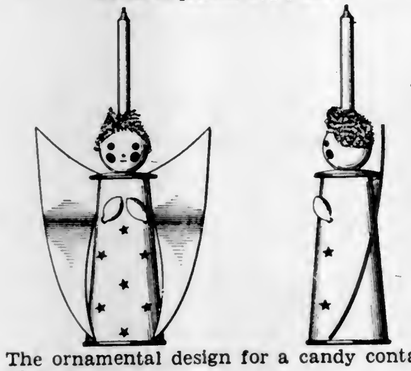
The ornamental design for a knitted cap or similar article substantially as shown.

105,144
DESIGN FOR A BIER PIN FOR HEARSES
Earl L. Schofield, Freeport, Ill., assignor to Henney Motor Company, Freeport, Ill., a corporation of Delaware
Application May 17, 1937, Serial No. 69,384
Term of patent 7 years



The ornamental design for a bier pin for hearses, substantially as shown.

105,145
DESIGN FOR A CANDY CONTAINER
Ellen Sheridan, Ventura, Calif.
Application April 20, 1937, Serial No. 68,894
Term of patent 3½ years



The ornamental design for a candy container as shown.

105,146
DESIGN FOR A KNOB FOR A GEAR SHIFT LEVER OR THE LIKE
John Sinko, Oak Park, Ill.
Application April 19, 1937, Serial No. 68,875
Term of patent 7 years



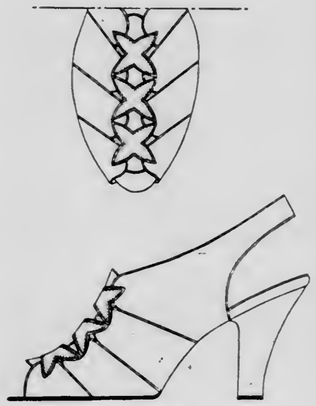
The ornamental design for a knob for a gear shift lever or the like, as shown and described.

105,147
DESIGN FOR A SHOE
Joseph Starr, New York, N. Y.
Application May 21, 1937, Serial No. 69,461
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

105,148
DESIGN FOR A SHOE
Joseph Starr, New York, N. Y.
Application May 21, 1937, Serial No. 69,462
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

105,149
DESIGN FOR A HAT DISPLAY RACK
Edwin M. Stroock, New Rochelle, N. Y.
Application April 15, 1937, Serial No. 68,798
Term of patent 3½ years



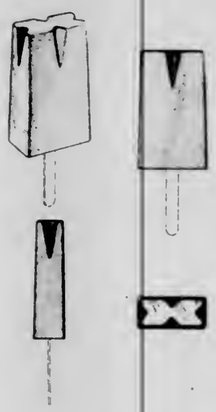
The ornamental design for a hat display rack substantally as shown and described.

105,150
DESIGN FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Milford Guy Sypher, Belleville, N. J., assignor to The Chilton Pen Company, Inc., Long Island City, N. Y., a corporation of New York
Application May 14, 1937, Serial No. 69,358
Term of patent 14 years



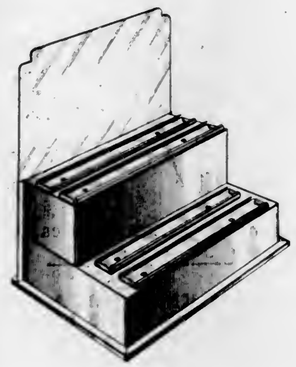
The ornamental design for a fountain pen or similar article substantially as shown and described.

105,151
DESIGN FOR A CONFECTIONERY PRODUCT
Norman M. Thomas, Brooklyn, N. Y., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application May 3, 1937, Serial No. 69,123
Term of patent 14 years



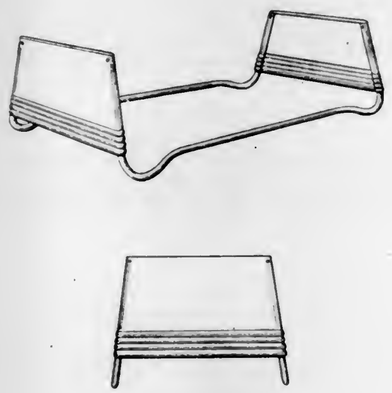
The ornamental design for a confectionery product substantially as shown.

105,152
DESIGN FOR A DISPLAY STAND
John G. Toomey, New York, N. Y., assignor to Park & Tilford, New York, N. Y., a corporation of New York
Application April 22, 1937, Serial No. 68,926
Term of patent 14 years



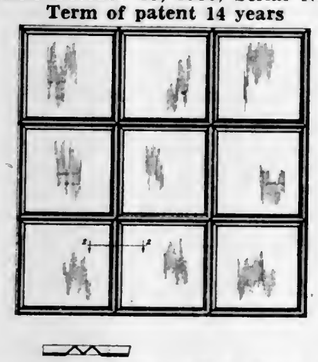
The ornamental design for a display stand as shown.

105,153
DESIGN FOR A GLIDER FRAME
Louis Vavrik, Rossford, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application May 10, 1937, Serial No. 69,254
Term of patent 7 years



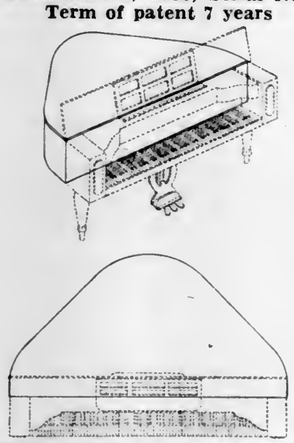
The ornamental design for a glider frame substantially as shown.

105,154
DESIGN FOR A CEILING PANEL
Frank M. Vogan, Canton, Ohio, assignor to The Reeves Manufacturing Company, Dover, Ohio, a corporation of Ohio
Application October 15, 1936, Serial No. 65,307
Term of patent 14 years



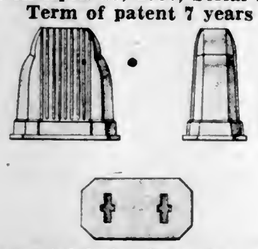
The ornamental design for a ceiling panel, as shown.

105,155
DESIGN FOR A GRAND PIANO
Paul von Rohl, St. Paul, Minn.
Application June 3, 1936, Serial No. 62,983
Term of patent 7 years



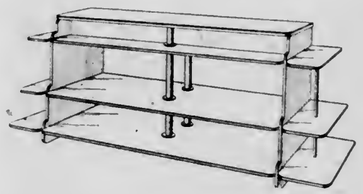
The ornamental design for a grand piano as shown and described.

105,156
DESIGN FOR A PLUG CAP
Maurice A. Wachstein, Jr., West Orange, N. J.
Application April 29, 1937, Serial No. 69,050
Term of patent 7 years



The ornamental design for a plug cap as shown.

105,157
DESIGN FOR A DISPLAY STAND
Norton G. Warren and Ralph Jensen, Des Moines, Iowa, assignors to Schulze Baking Company, Kansas City, Mo., a corporation of Illinois
Application March 3, 1937, Serial No. 67,965
Term of patent 7 years



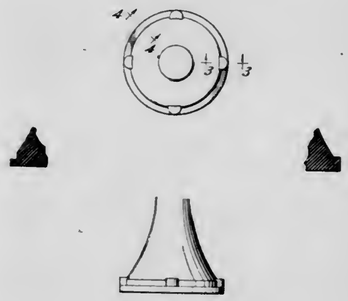
The ornamental design for a display stand substantially as shown.

105,158
DESIGN FOR A FISH LURE
Harry Richards Weaver, Wilkes-Barre, Pa.
Application May 4, 1937, Serial No. 69,147
Term of patent 7 years



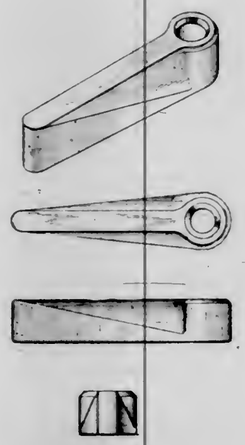
The ornamental design for a fish lure, as shown.

105,159
DESIGN FOR A SHOE CLEAT
Frank Wilcox, Los Angeles, Calif.
Application August 4, 1936, Serial No. 64,230
Term of patent 14 years



The ornamental design for shoe cleat as shown and described.

105,160
DESIGN FOR A LEVER HANDLE
Roy H. Zinkil, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application October 29, 1936, Serial No. 65,574
Term of patent 14 years



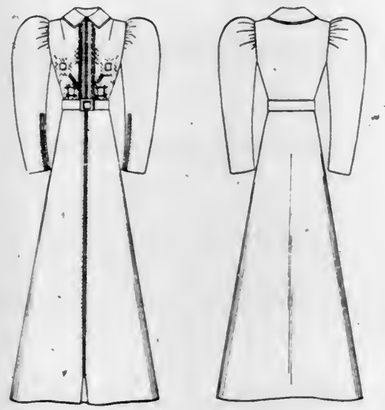
The ornamental design for a lever handle, substantially as shown.

105,161
DESIGN FOR A TOY
Rida Payne Brashear, Castleton-on-Hudson, N. Y.
Application April 24, 1937, Serial No. 68,961
Term of patent 3½ years



The ornamental design for a toy as shown.

105,162
DESIGN FOR A ROBE
Ralph D. Cooper, New York, N. Y.
Application May 7, 1937, Serial No. 69,210
Term of patent 3½ years



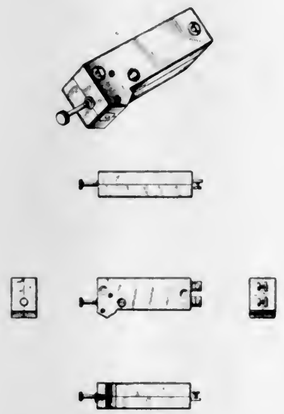
The ornamental design for a robe, substantially as shown, and described.

105,163
DESIGN FOR A ROBE
Ralph D. Cooper, New York, N. Y.
Application May 7, 1937, Serial No. 69,211
Term of patent 3½ years



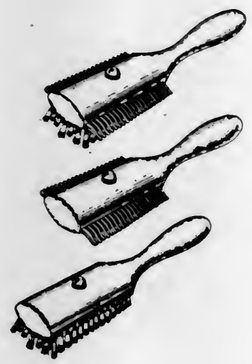
The ornamental design for a robe, substantially as shown, and described.

105,164
DESIGN FOR A CRYSTAL UNIT FOR A PHONOGRAPH PICK-UP
Roy Dally, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Wisconsin
Application April 1, 1937, Serial No. 68,507
Term of patent 14 years



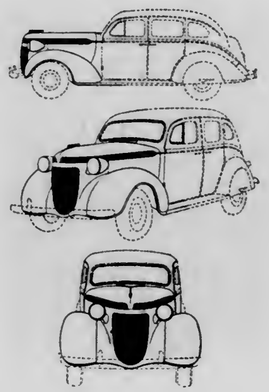
The ornamental design for a crystal unit for a phonograph pick-up, as shown.

105,165
DESIGN FOR A COMBINED COMB AND BRUSH
John Denman Dean, Tolworth, England
Application March 8, 1937, Serial No. 68,079
Term of patent 7 years



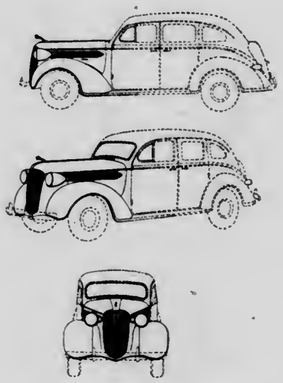
The ornamental design for a combined comb and brush as shown and described.

105,166
DESIGN FOR AN AUTOMOBILE
Raymond H. Dietrich, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 30, 1936, Serial No. 66,203
Term of patent 7 years



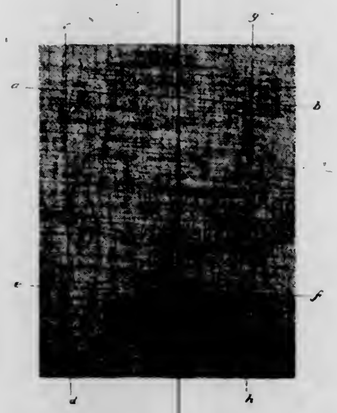
The ornamental design for an automobile, substantially as shown and described.

105,167
DESIGN FOR AN AUTOMOBILE
Raymond H. Dietrich, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 30, 1936, Serial No. 66,204
Term of patent 7 years



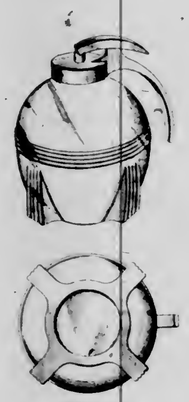
The ornamental design for an automobile, substantially as shown and described.

105,168
DESIGN FOR A TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application October 9, 1935, Serial No. 58,911
Term of patent 14 years



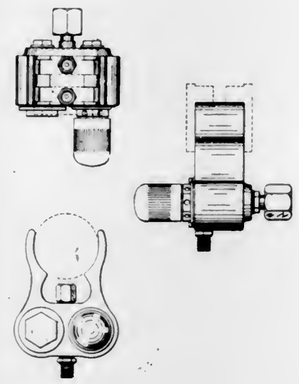
The ornamental design for a textile fabric, as shown and described.

105,169
DESIGN FOR A LIQUID DISPENSER
Brooks D. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 17, 1937, Serial No. 69,385
Term of patent 7 years



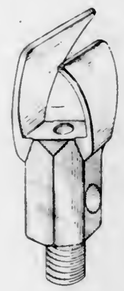
The ornamental design for a liquid dispenser, substantially as shown.

105,170
DESIGN FOR A COMBINED PRESSURE REGULATOR AND GAUGE HOLDER
Henry A. Hallum, Seattle, Wash.
Application October 30, 1936, Serial No. 65,608
Term of patent 14 years



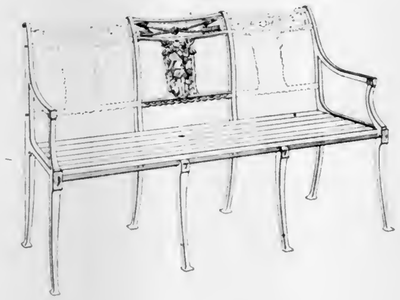
The ornamental design for a combined pressure regulator and gauge holder, substantially as shown and described.

105,171
DESIGN FOR A GAS BURNER
Nis M. Hansen, San Francisco, Calif.
Application October 12, 1936, Serial No. 65,271
Term of patent 14 years



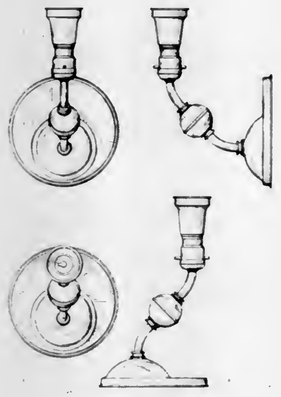
The ornamental design for a gas burner substantially as shown and described.

105,172
DESIGN FOR A SETTEE OR SIMILAR ARTICLE
Emil Hauser, New York, N. Y.
Application March 13, 1937, Serial No. 68,158
Term of patent 7 years



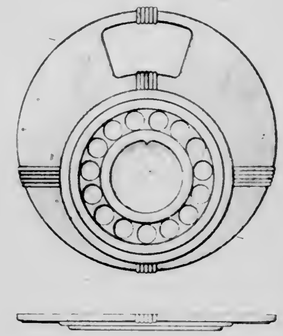
The ornamental design for a settee or similar article substantially as shown and described.

105,173
DESIGN FOR AN ADJUSTABLE LAMP
Otto G. Hildebrand, Cleveland, Ohio, assignor to Railley Corporation, a corporation of Ohio
Application September 22, 1936, Serial No. 64,961
Term of patent 7 years



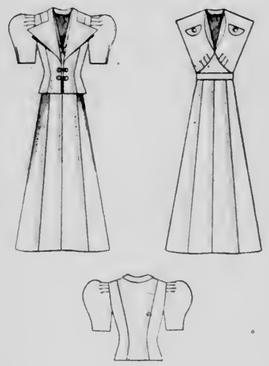
The ornamental design for an adjustable lamp, substantially as shown and described.

105,174
DESIGN FOR A RADIO DIAL ESCUTCHEON PLATE
Mahlon W. Kenney, River Forest, Ill., and George W. Walker, Pleasant Ridge, Mich., assignors to General Household Utilities Company, Chicago, Ill., a corporation of Delaware
Application November 11, 1936, Serial No. 65,854
Term of patent 7 years



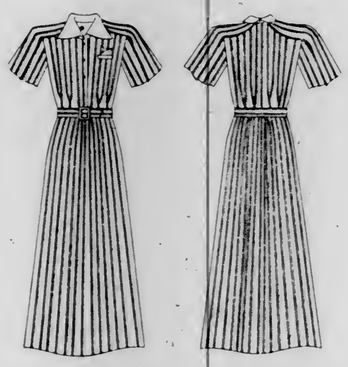
The ornamental design for a radio dial escutcheon plate as shown.

105,175
DESIGN FOR A DRESS ENSEMBLE
Jack Kirschner, New York, N. Y.
Application May 28, 1937, Serial No. 69,593
Term of patent 3½ years



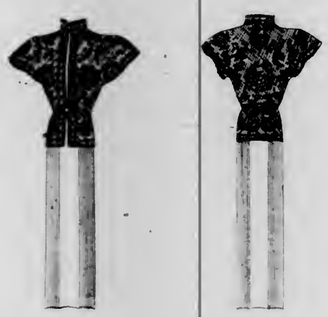
The ornamental design for a dress ensemble, substantially as shown and described.

105,176
DESIGN FOR A DRESS
Albert E. Levy, New York, N. Y.
Application June 5, 1937, Serial No. 69,683
Term of patent 3½ years



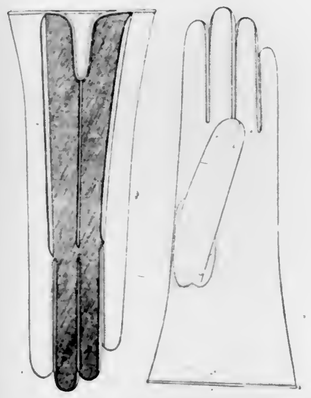
The ornamental design for a dress, substantially as shown and described.

105,177
DESIGN FOR A DRESS
Sally Moser, New York, N. Y.
Application April 19, 1937, Serial No. 68,858
Term of patent 3½ years



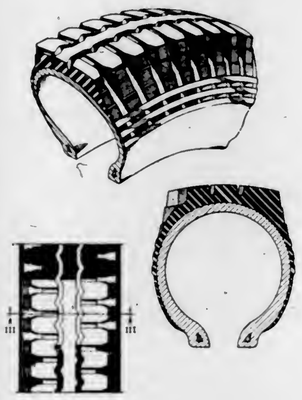
The ornamental design for a dress, substantially as shown and described.

105,178
DESIGN FOR A GLOVE
Jacob Neivert, New York, N. Y.
Application June 9, 1937, Serial No. 69,747
Term of patent 3½ years



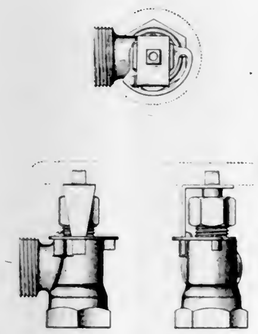
The ornamental design for a glove, substantially as shown, and described.

105,179
DESIGN FOR A TIRE
Henry G. Noss, Port Washington, N. Y., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application January 7, 1937, Serial No. 66,932
Term of patent 7 years



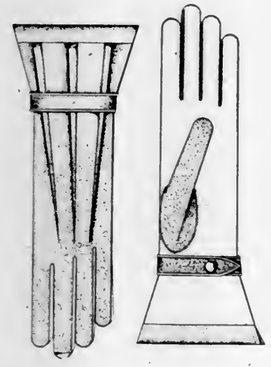
The ornamental design for a tire, as shown.

105,180
DESIGN FOR A RADIATOR VALVE
Charles A. Olson, Geneva, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 13, 1936, Serial No. 65,888
Term of patent 14 years



The ornamental design for a radiator valve substantially as shown and described.

105,181
DESIGN FOR A GLOVE
Louis Postman, New Rochelle, N. Y.
Application June 5, 1937, Serial No. 69,685
Term of patent 3½ years



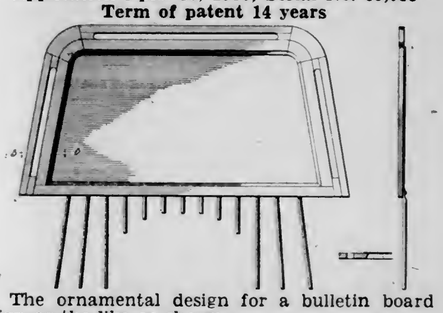
The ornamental design for a glove substantially as shown.

105,182
DESIGN FOR A MUDDLER
Oscar M. Price, Oakland, Calif.
Application April 21, 1937, Serial No. 68,914
Term of patent 7 years



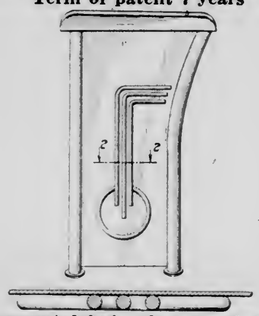
The ornamental design for a muddler, substantially as shown.

105,183
DESIGN FOR A BULLETIN BOARD SIGN OR THE LIKE
Joe B. Rives, Maramec, Okla.
Application April 30, 1937, Serial No. 69,085
Term of patent 14 years



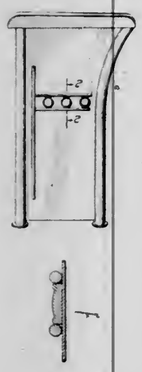
The ornamental design for a bulletin board sign or the like as shown.

105,184
DESIGN FOR AN END STANDARD FOR THEATER CHAIRS
Austin C. Sellers, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application May 24, 1937, Serial No. 69,513
Term of patent 7 years



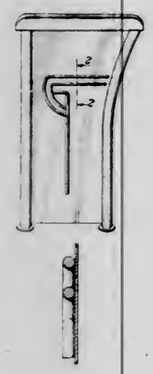
The ornamental design for an end standard for theater chairs substantially as shown.

105,185
DESIGN FOR AN END STANDARD FOR THEATER CHAIRS
Austin C. Sellers, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application May 24, 1937, Serial No. 69,514
Term of patent 7 years



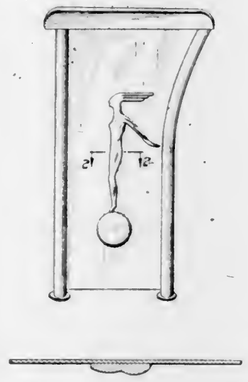
The ornamental design for an end standard for theater chairs substantially as shown.

105,186
DESIGN FOR AN END STANDARD FOR THEATER CHAIRS
Austin C. Sellers, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application May 24, 1937, Serial No. 69,515
Term of patent 7 years



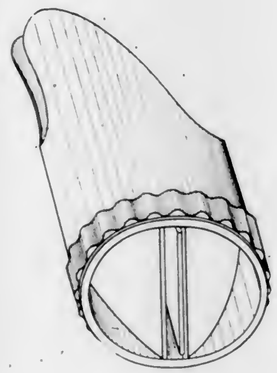
The ornamental design for an end standard for theater chairs substantially as shown.

105,187
DESIGN FOR AN END STANDARD FOR THEATER CHAIRS
Austin C. Sellers, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application May 24, 1937, Serial No. 69,516
Term of patent 7 years



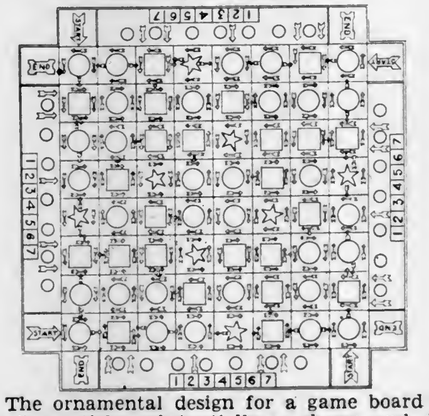
The ornamental design for an end standard for theater chairs substantially as shown.

105,188
DESIGN FOR A NOISE MAKER OR SIMILAR ARTICLE
Frederick R. Stewart, Atlanta, Ga.
Application November 12, 1936, Serial No. 65,863
Term of patent 3½ years



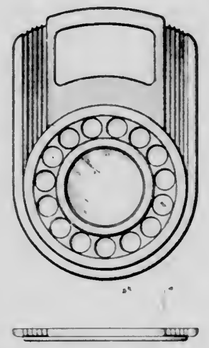
The ornamental design for a noise maker or similar article, as shown.

105,189
DESIGN FOR A GAME BOARD OR SIMILAR ARTICLE
Josephine Ungerland, Flushing, N. Y.
Application April 23, 1937, Serial No. 68,949
Term of patent 3½ years



The ornamental design for a game board or similar article, substantially as shown and described.

105,190
DESIGN FOR A RADIO DIAL ESCUTCHEON PLATE
George W. Walker, Pleasant Ridge, Mich., assignor to General Household Utilities Company, Chicago, Ill., a corporation of Delaware
Application November 11, 1936, Serial No. 65,853
Term of patent 7 years



The ornamental design for a radio dial escutcheon plate as shown.

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